

ISONIAZID AS AN ALDEHDYE SCAVENGER:
ANALYSIS OF ITS KINETICS, SELECTIVITY, AND PRACTICALITY IN PURIFYING
ORGANIC REACTIONS

by

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I dedicate this research to my parents. I couldn't have done it without you.

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ABSTRACT

Aurones are a member of the flavonoid family of natural products that have only been lightly investigated even though they possess interesting clinically relevant activity including anti-parasitic, anti-inflammatory, anti-fungal, anti-viral and anti-cancer. Preparation of aurones, most commonly through a Knoevenagel condensation between an aryl aldehyde and a benzofuranone, while a simple one-step synthesis rarely yields a product of sufficient purity for assaying and thus require time consuming purifications. To expedite the synthesis of aurones, a method of purification utilizing Isoniazid as an aldehyde scavenger has been developed that allows for the rapid preparation of new collections of compounds in a matter of days, rather than the weeks that were required using conventional purification. Additionally, it is anticipated that this same scavenging approach can be applied to many other reactions of the aldehyde functional group, enabling convenient and rapid access to arrays generated by these reactions as well.

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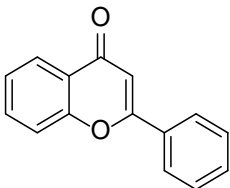
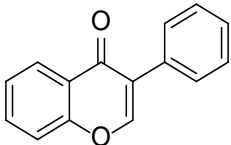
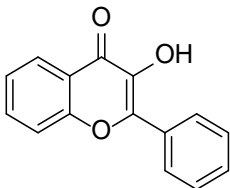
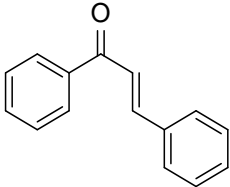
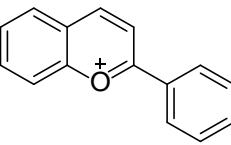
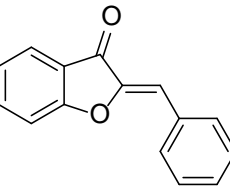
CHAPTER 1: INTRODUCTION

Aurones

First isolated from the petals of yellow flowering plants over 60 years ago, aurones are a member of the flavonoid family of natural products, and possess interesting biological activity, which could benefit from further study.¹⁻³ Structurally, flavonoids consist of a fifteen-carbon skeleton with a C6-C3-C6 pattern or a three-carbon bridge connecting two phenyl rings. For most flavonoids this three carbon bridge forms a third six membered ring system, however, aurones are structurally distinct from other members of the flavonoids family due to the three-carbon bridge forming a furanone with an arylidene moiety at the two position.⁴ The exocyclic alkene of aurones both natural and synthetic has been almost exclusively reported as being in the Z confirmation, although a mixture of E and Z isomers can be formed via photoisomerization (generally still favoring the thermodynamic Z isomer).^{2,5} Studies of natural and synthetic aurones have demonstrated this framework to possess a wide range of biological activity including anti-parasitic, anti-inflammatory^{6,7}, anti-fungal⁸, anti-viral and anti-cancer.^{2,3,9} Despite this interesting biological activity they remain a largely neglected member of the flavonoid family, as evidenced by Table 1. The limited and slow exploration of aurones is due to aurones being present in very small quantities in natural sources; fortunately a variety of synthetic methods have been developed for their preparation.^{2,3,10} Due to their biosynthesis, aurones isolated from plants are typically highly oxygenated, containing multiple hydroxy and methoxy substituents.^{2,10} Synthetic efforts have yielded a much more diverse set of aurones including examples containing halogen, amino, alkyl, and aryl substituents; additionally, modifications of the

core skeleton to include five membered ring systems and heteroatoms have been reported.^{8,9,11,12}

Table 1: A sampling of flavonoids and Scifinder Scholar search results¹³

<p>Flavone</p>  <p>Number of search results on Scifinder Scholar ~201,000</p>	<p>Isoflavonoid</p>  <p>Number of search results on Scifinder Scholar ~5,550</p>	<p>Flavonol</p>  <p>Number of search results on Scifinder Scholar ~22,000</p>
<p>Chalcone</p>  <p>Number of search results on Scifinder Scholar ~29,900</p>	<p>Anthocyanin</p>  <p>Number of search results on Scifinder Scholar ~39,600</p>	<p>Aurone</p>  <p>Number of search results on Scifinder Scholar ~1,150</p>

Aurone synthesis: oxidative cyclization of 2'-hydroxy chalcones

In terms of aurone synthesis, one of the most commonly reported methods of involves the oxidative cyclization of 2'-hydroxy chalcones. Initial interest in this method is likely because the biosynthesis of aurones follows a similar route catalyzed by one of several enzymes such as aureusidin synthase.² Multiple reagents for the oxidative cyclization have been reported including mercury (II) acetate, thallium (II) nitrate, tetrabutylammonium tribromide, and copper (II) bromide. The major flaw in this synthetic

strategy is the need for 2'-hydroxy chalcones as the starting material, few of which are commercially available. Those that are not commercially available must be synthesized via some method, the most straightforward of which is through a Claisen-Schmidt condensation between a 2'-hydroxy acetophenone and an aryl aldehyde.¹⁴ This essentially makes the preparation of an aurone derivative a two-step synthesis which, while not unreasonable, is more time consuming than other syntheses. In addition, the most commonly used reagents (mercuric acetate and thallium nitrate) are highly toxic.

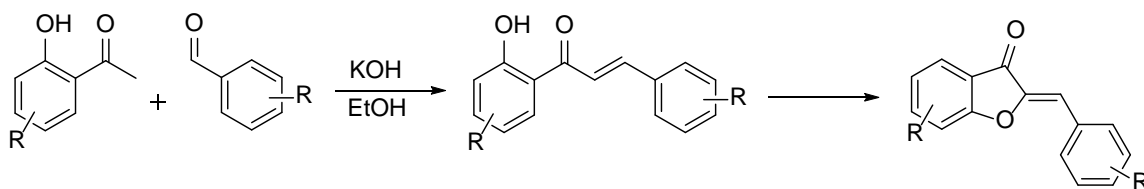


Figure 1: Synthesis of 2'-hydroxy chalcones via Claisen-Schmidt condensation followed by oxidative cyclization to yield aurone.¹⁴

Aurone synthesis: Suzuki-Miyaura coupling

A more recently reported method for the synthesis of aurones is a Suzuki-Miyaura coupling between a boronic acid and a 2-(bromomethylene)-benzofuran-3(2H)-one as reported by Kraus and Gupta.¹⁵ The major advantage of this method lies in the high efficiency of the coupling reaction and the numerous commercially available boronic acids. This reaction is sufficient for explorations into derivations of the arylidene portion; however, derivations of the benzofuroanone portion using this reaction is inefficient as the 2-(bromomethylene)-benzofuran-3(2H)-one is not commercially available and must be prepared in a three-step synthesis. Kraus and Gupta synthesized the 2-(bromomethylene)-

benzofuran-3(2H)-one reagent starting with a Steglich esterification between 3,4,5-trimethoxy phenol and 3,3-dibromoacrylic acid.¹⁵ This was followed by a Fries rearrangement which yielded the desired ortho substitution but would be problematic for any phenol which was not para substituted as the Fries rearrangement results in a mixture of ortho and para isomers. Finally the product was reached by cyclization using sodium hydroxide after which the product can be coupled to a boronic acid through a palladium catalyzed Suzuki-Miyaura cross coupling.¹⁵ This synthetic strategy holds promise but needs to undergo further analysis to elucidate any limitations.

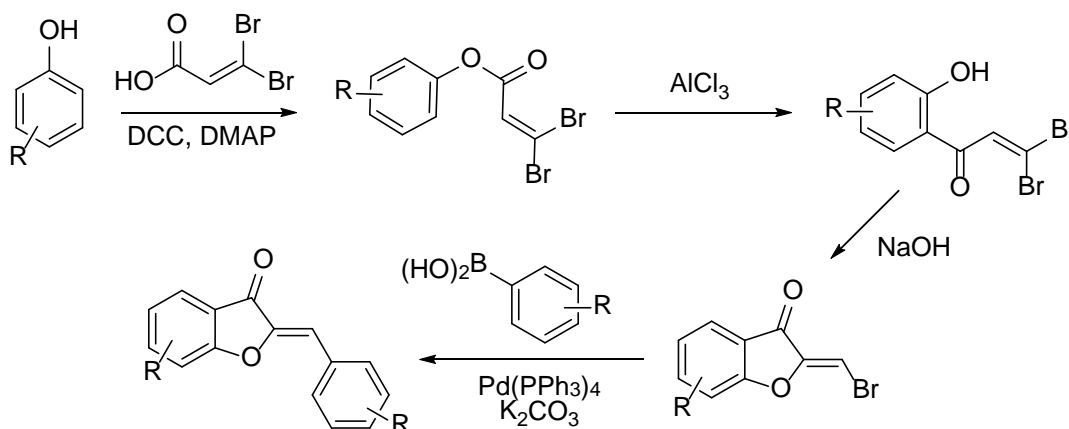


Figure 2: Synthesis of the 2-(bromomethylene)-benzofuran-3(2H)-one reagent and aurone synthesis via Suzuki-Miyaura cross coupling.¹⁵

Aurone synthesis: Au/Ag cyclization

Harkat et al. developed an interesting method of aurone synthesis.¹⁶ The reaction sequence begins with a alkynylation of a 2-hydroxy benzaldehyde derivative, followed by a gold (I) chloride and potassium carbonate catalyzed cyclization, and finally oxidation of

the secondary alcohol to afford the aurone product. An interesting note is that the corresponding flavone product can be prepared if oxidation occurs before the Au (I) catalyzed cyclization. Li et al. was able to simplify this reaction to a two step synthesis by combining the cyclization and the oxidation into a one pot synthesis using silver (I) nitrate in place of gold (I) chloride.¹⁷ This reaction while a two to three step synthesis is advantageous in that the starting materials are particularly abundant.

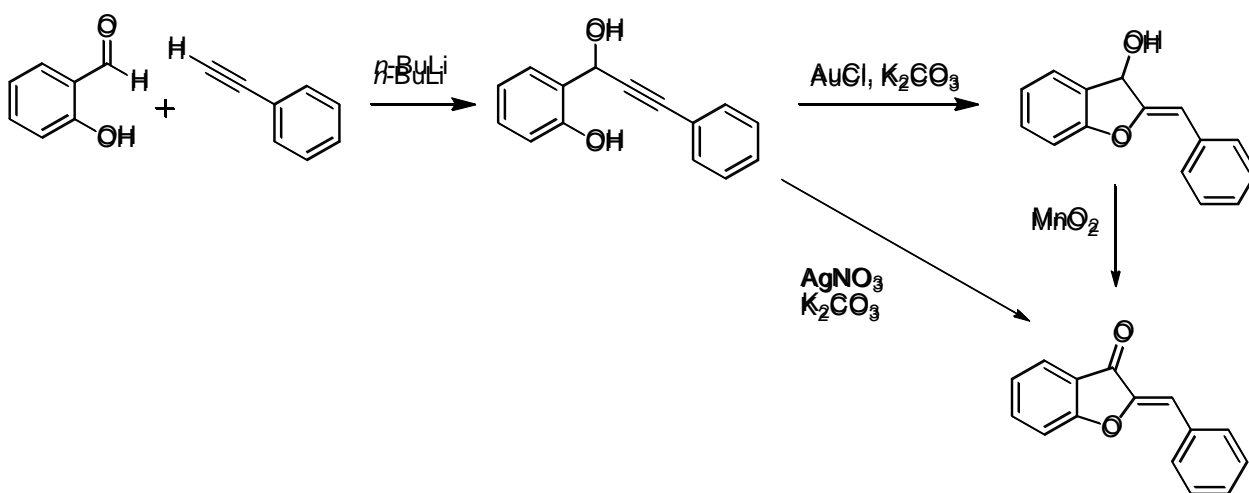


Figure 3: Aurone synthesis via alkynylation followed by Au/Ag catalyzed cyclization.^{16,17}

Aurone synthesis: Knoevenagel condensation

Ultimately the Knoevenagel condensation remains the most commonly used method for the preparation of aurones due to its one step synthesis from commercially available reagents.^{3,10} There exist a wide variety of commercially available aldehydes allowing easy access to numerous aurones containing arylidene derivations, and there are similarly a significant, but more limited, number of commercially available benzofuranones. Additionally, a wide variety of reaction conditions have been reported for the Knoevenagel

condensation including acidic, basic, and neutral conditions.^{12,18–20} The one modestly limiting factor in this strategy is the utilization of benzofuranones: derivatives that are commercially available can be expensive and those that are not commercially available must be synthesized. The synthesis of benzofuranones is still advantageous compared to other methods as several efficient routes are available for the synthesis of benzofuranones and each benzofuranone can be employed in multiple Knoevenagel condensations.^{3,21–23}

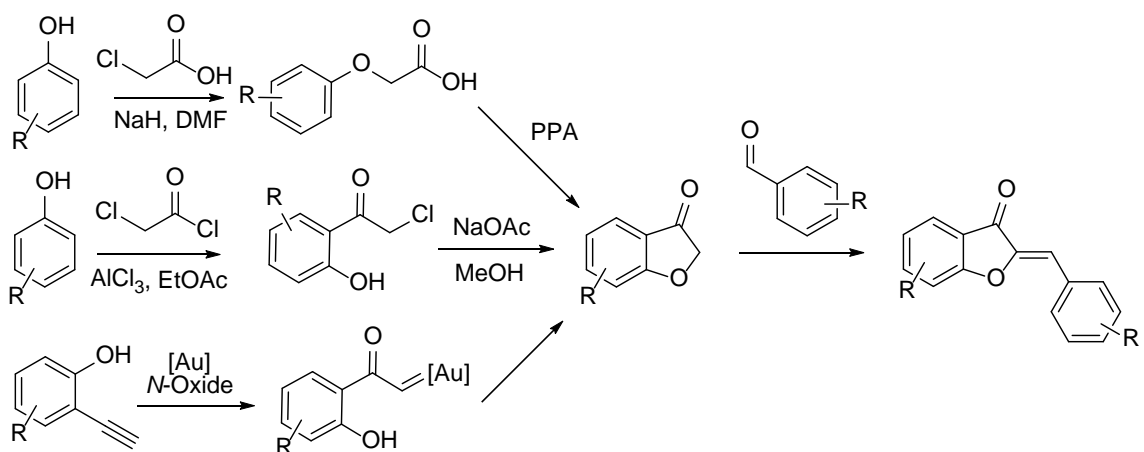


Figure 4: Preparation of benzofuranones and Aurone synthesis via Knoevenagel condensation.^{3,21–23}

Issues with conventional aurone synthesis

While each synthetic strategy for the preparation of aurones has its advantages and disadvantages, one disadvantage is omnipresent - the need for purification.²⁴ Rarely does any organic reaction provide a pure product. This can happen for a variety of reasons: use of imperfect stoichiometric ratios, consumption of reagents in side reactions, as is the case with the oxidation of aldehydes into carboxylic acids, imperfect selectivity, etc. Column

chromatography, perhaps the most ubiquitous method of purification, is expensive in terms of both material and time, and in our experience, has shown yields lower than one would expect after TLC and NMR analysis of the crude product. Trituration works in some cases but results in decreased yields and there is no universal trituration solvent for aurones.¹² Given the promising preliminary biological activities, it is of great interest to develop a method that would avoid time-consuming chromatographic separations and thereby enable the rapid synthesis of sizable arrays varying the aurone skeleton in both the benzofuranone and aldehyde-derived portions. This bottleneck can hopefully be alleviated through incorporation of methods used in the synthesis of combinatorial libraries.

Combinatorial chemistry

Combinatorial chemistry focuses on the quick and efficient generation of arrays of related compounds (often called libraries).²⁴ Utilization of combinatorial methods became particularly prominent during the 1990s, but its origin lies in the 1960's with Robert Merrifield's Nobel Prize winning work in solid phase peptide synthesis.²⁴⁻²⁶ In the approximately sixty years since, combinatorial chemistry has continued to develop and now the facile generation of chemical libraries with compounds numbering in the thousands and millions is readily possible.^{25,27} Initial work in combinatorial chemistry focused on the synthesis of peptides, oligonucleotides, and other polymeric compounds but has since expanded to include the synthesis of small molecule libraries.²⁷ While there are various methods of combinatorial synthesis such as solid phase synthesis^{28,29}, traceless synthesis^{26,30}, on-chip synthesis³¹, fluorous phase purification³², and scavenger assisted purification^{33,34}, just to name a few, there exist several key similarities: all of these methods aim to avoid time consuming purifications by exploiting differences in chemical or

physical properties such as solubility, magnetic susceptibility, or partitioning coefficient; reactions are run in tandem, either in one pot or in parallel reaction vessels; and each of these reactions employ an excess of one or more reagents in order to drive reactions to completion.^{24,28,35} The most common technique employed in combinatorial chemistry is the use of a support most frequently attached to one of the reactants. Supports can be composed of solids such as polystyrene³⁶ and silica³⁷ or tags such as ionic liquids³⁴ and fluorous supports³⁸.

Supported synthesis

Supported synthesis has been shown to be an excellent method for the combinatorial synthesis of peptides, peptoids, and oligonucleotides.^{35,39} Combinatorial libraries of peptides have been prepared containing millions of compounds using the one bead-one compound methodology.^{35,40} The success of supported synthesis in these polymeric syntheses led to the implementation of these same methods and principles into small molecule synthesis.²⁴ The majority of supported syntheses follow the same basic protocol and commence with the tethering of a support **S** to one of the reagents **A**, a compound that will be used in subsequent reactions, through a linker **L**; this attachment is done at an already present functional group **X**, such as the carboxylic acid on an amino acid.²⁶ The linker is any chemical compound that can be covalently attached to both the solid support **S** and the reactant **A** connecting the two entities together.⁴¹ The next step is the reaction of supported **A** with an excess of **B** to form a mixture of product **AB** and unreacted reagent **B**; the reaction can then be separated from excess reagent **B**. Purification of a compound immobilized on a solid support for instance, works via retention of the compound **AB** tethered to the solid support allowing the resin to be washed removing any

non-immobilized compounds.²⁴ Once the reaction has been purified, product **AB** can be cleaved from the support **S**, returning **X** in its original functionality.

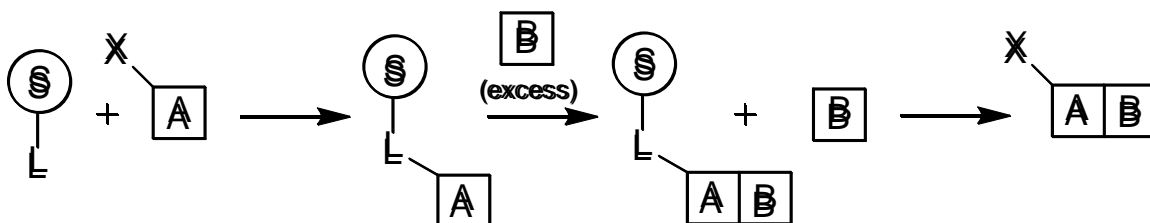


Figure 5: General Approach for Supported Synthesis.

Kwak et al. reported the parallel solid phase synthesis of a quinoline library.⁴² Carboxylic acid **1** was first synthesized using traditional solution phase synthesis then reacted with PL-FDMP resin and $\text{NaBH}(\text{OAc})_3$, which resulted in the linking of the solid support to the primary amine at the 5-position. A primary amine was then coupled with the carboxylic acid to produce an amide, followed by nucleophilic acyl substitution of an acid chloride by the secondary amine at the 5-position. The compound can be purified via filtration after each step avoiding the need for chromatographic purifications. Finally, the compounds were cleaved from the resin by 10% TFA in dichloromethane. Of the 29 compounds synthesized 23 possessed purities greater than 70%, the low purities of some derivatives are likely due to steric hindrance caused by the solid support in the nucleophilic acyl substitution reaction of the acid chloride and the secondary amine. The work of Kwak et al. is not only demonstrative of how supported synthesis can enable the quick derivatization of compounds by avoiding time consuming purifications but also highlights

the importance of avoiding the attachment of a support in positions in which it can hinder the efficiency of any reactions that might follow.

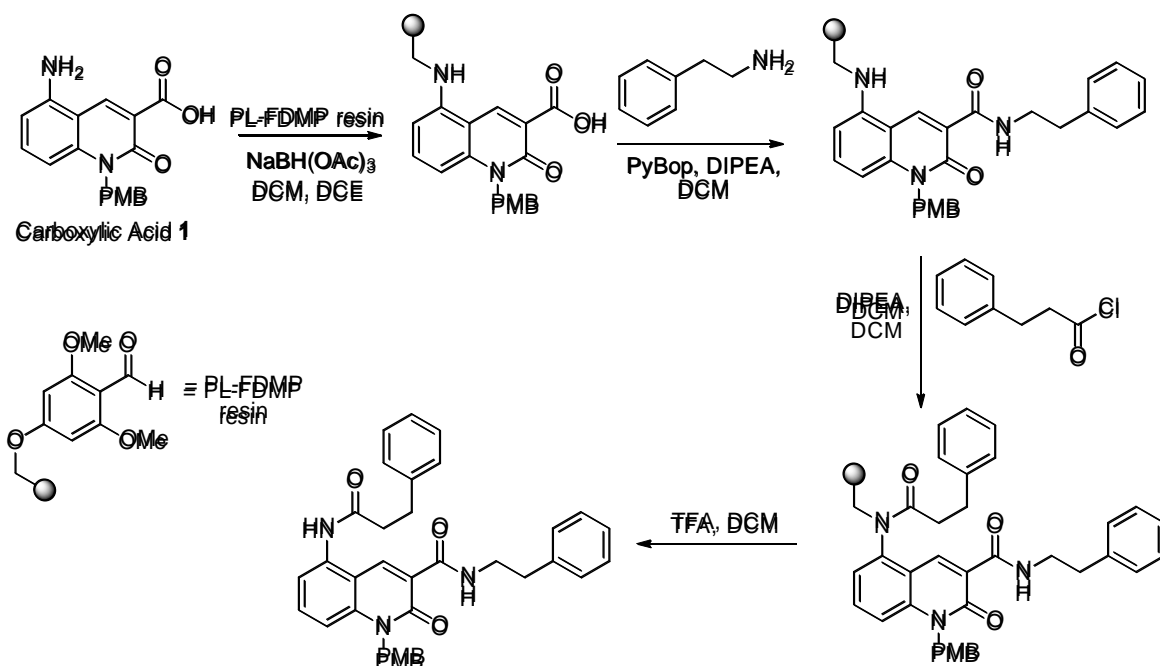


Figure 6: Kwak et al. Supported Synthesis of Quinolines.⁴²

Supported synthesis is a powerful method for the facile synthesis of chemical libraries but neither of the reagents in the Knoevenagel condensation contain a ubiquitous chemical handle (such as the amine in the synthesis reported by Kwak et al.) to which a support could be tethered.^{18,42} While reagents containing such a chemical handle could be used, to do so would require specialized reagents be purchased or prepared through what would likely be a multistep synthesis. Even more problematic though is the use of reagents containing such a chemical handle could leave nonessential functional groups, which can dramatically alter a molecule's biological activity.²⁶ To combat this problem in other

situations, a method referred to as traceless synthesis has been developed. Traceless synthesis utilizes the same principles of supported synthesis but with a couple of modifications. Where traditional supported synthesis uses an already present functional group **X** to tether a solid support, then runs the desired series of reactions, and returns the functional group to its original state **X**, traceless synthesis utilizes the same basic process but instead of reforming functional group **X** after cleavage of the solid support a new functional group **Z** is formed, leaving no “trace” of where the solid support was attached.

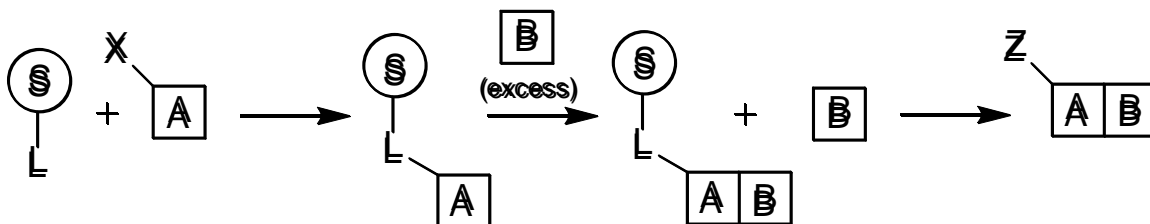


Figure 7: General Approach for Traceless Synthesis.

He et al.³⁰ reported the synthesis of xanthine derivatives through two routes, one through traditional solution phase synthesis, the other through traceless solid phase synthesis. The reaction sequence for the solid phase synthesis begins with a Steglich esterification between Wang resin and bromoacetic acid; the product of this reaction was then used in the alkylation of a primary amine, followed by reaction with one of two ethoxymethylene cyanamides. The product of that reaction was then cyclized using tBuOK in a 1:1 mixture of tBuOH and DMF, which He et al. noted was necessary due to the poor swelling of the resin in neat butanol, which blocks access of the reagent to the supported compound. The imidazole intermediate was then reacted with various isocyanates and

finally underwent cyclization and cleavage to yield a di or tri xanthine. The solid support was tethered to a carboxylic acid throughout the reaction, but the cleavage transformed the carboxylic acid into an amide leaving no extraneous functionality. The solution phase synthesis followed a similar route with only minor deviations. The solution phase synthesis provided an overall yield of 31% for 1-Hexyl-7-butylxanthine and required five chromatographic purifications. The solid phase synthesis of similar xanthines had overall yields of 14-35% and required only one chromatographic purification.

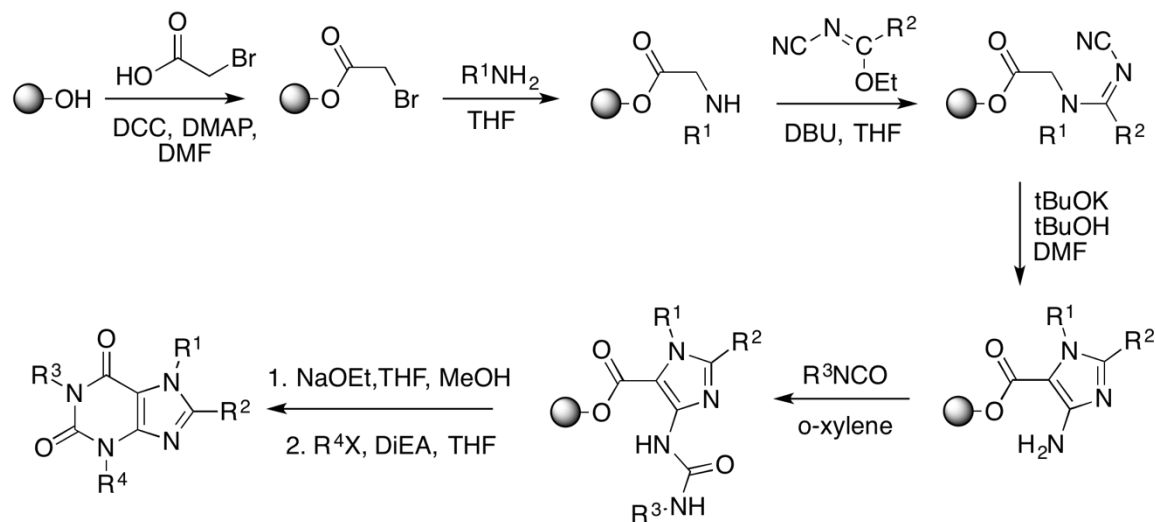


Figure 8: He et al. solid phase synthesis of xanthine derivatives.³⁰

Unfortunately, traceless synthesis is not truly “traceless” as the majority of such methods leaves some non-carbon functionality.²⁶ Beyond the lack of such a chemical handle, supported synthesis possesses other limitations. Limitations such as the attachment of the support at the wrong position can limit reactivity at other sites, as is likely the case in the nucleophilic acyl substitution reported by Kwak et al.^{27,42} Additional challenges lie in the intermediate reactions, if these reactions are not efficient and selective, supported

synthesis can yield a mixture of starting materials, side products, and product.³⁵ Which resin is used also dictates what solvents, and reagents can be used; use of incompatible solvents will result in the resin not swelling and blocking reagents from reaching the tethered compounds as noted by He et al., while use of the wrong reagent can prematurely cleave compounds from the resin.³⁰ While most of these challenges can be overcome by thoughtful strategy in planning the chemical synthesis, to do so would require the development of a novel methodology which would consume significant resources.

Supported reagents

The use of supported or immobilized reagents in combinatorial synthesis has also been reported. A supported reagent can be added to a reaction mixture in excess, allowed to react, and then the support and excess reagent bound to it can quickly and efficiently be removed. The key difference between supported synthesis and supported reagents is that with supported reagents the support serves as a delivery mechanism, as the product of the reaction will not be bound to the support. Additionally, using supported reagents allows for easy handling which is useful when using toxic reagents such as pyridium chlorochromate as reported by Naik et al.⁴³ The first step of the reaction sequence is still the attachment of a support **S** to one of the reagents needed in the subsequent reactions **B** through some chemical linker **L**. The key difference in the design and use of supported reagents is that the attack of reagent **A** on reagent **B** cleaves reagent **B** from the linker **L**. Supported reagent **B** is used in excess in order to drive the reaction to completion and as only the reaction between **A** and **B** causes cleavage from the support. Unreacted **B** will remain attached to the support and the reaction can then be purified via some separation

method such as filtration with the product being washed through while the unreacted reagent remains immobilized on the support.

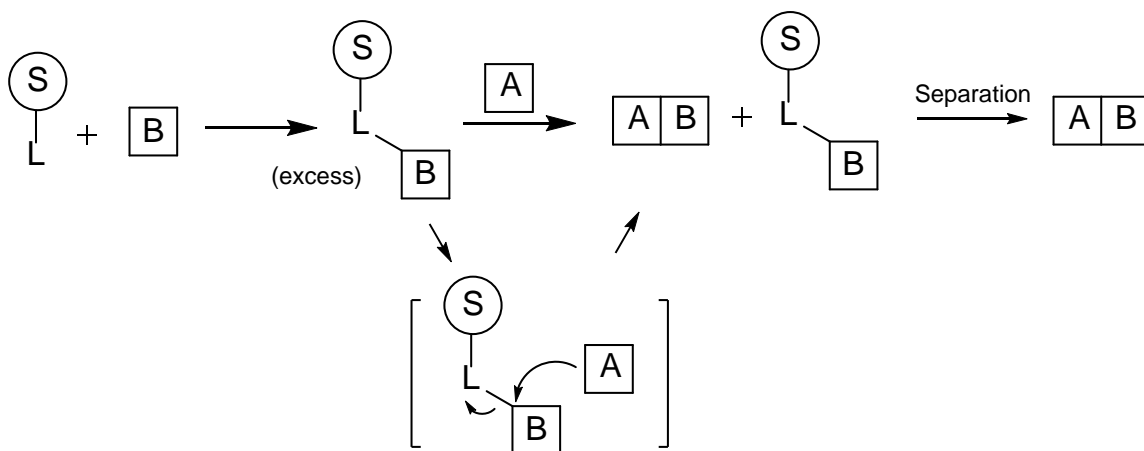


Figure 9: General Approach for a Supported Reagent.

Jung et al. reported the synthesis and application of a supported reagent for the preparation of dithianes and dithiolanes.⁴⁴ These reagents were prepared via coupling of amino-methyl resin and adipoyl chloride, followed by reaction of the acyl chloride with a dithiol in the presence of tetrafluoroboric acid complexed with diethyl ether to form immobilized dithioanylium and dithanylium tetrafluoroborate salts. The dithioanylium and dithanylium tetrafluoroborate salts can then be reacted with aldehydes and ketones to form the desired dithiane and dithiolane product, the formation of which cleaves it from the support. Exploration into the chain length of the diacylchloride linker revealed that a one carbon bridge between the amide and the dithioanylium and dithanylium tetrafluoroborate salts is of insufficient length and leaves the product contaminated with impurities; a carbon bridge of two or more is sufficient to yield the dithioacetalization product for aryl aldehydes in high purity and high yield. Jung et al. does note that the yields for the reaction

of the immobilized reagents with aliphatic and vinylic aldehydes is dependent on the nature of the aldehyde; α,β -unsaturated aldehydes were reported as having particularly low yields but did maintain high purity; Jung et al. theorized that the α,β -unsaturated aldehydes were able to react with the linker providing immobilized side products.

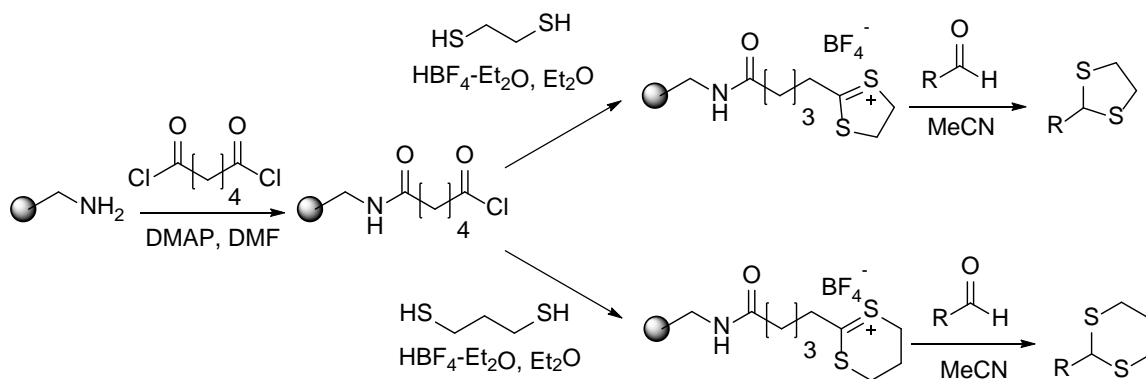


Figure 10: Jung et al. synthesis of supported thioacetal reagent.⁴⁴

The use of supported reagents is problematic however in that it requires the development of a methodology for the attachment and delivery of said reagent. Perhaps the most problematic issue with supported reagents is that the reagent must be linked to the support in a way that allows for its cleavage during the reaction. The synthesis of such reagents often requires considerable optimization for example by determining the optimal length of the carbon chain of the linker in the reagent reported by Jung et al.⁴⁴

Scavengers

In addition to supported synthesis and supported reagents which both rely on pre-synthetic modification of starting material, scavengers are added after the completion of the reaction sequence to scavenge out remaining reagents or side products. Scavengers rely on what Flynn et al. termed complementary molecular reactivity and recognition (CMR/R);

the use of scavengers that will react with functional groups present in reactants, reagents, catalysts, and byproducts but are absent in the product.⁴¹ Scavengers also rely on the use of a support, typically polymer bound, to allow for the easy purification of products.

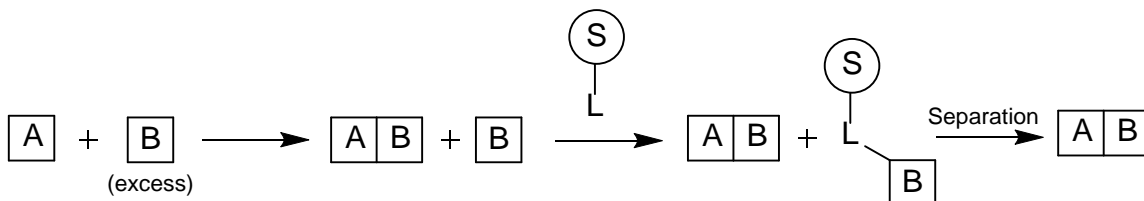


Figure 11: General Approach for Purification via Scavenger.

The use of scavengers does not vary much from traditional reactions as the purification is performed post synthesis. The reaction is carried out as normal, reagent **A** reacts with **B** to form compound **AB** where reagent **B** is used in excess to drive the reaction to completion. This yields a mixture of product **AB** and reagent **B**, to which a scavenger composed of a support **S** and a linker **L** is added. The linker possesses functionality that will react with reagent **B** but not with product **AB**, thus the scavenger selectively reacts with **B** which can then be separated from product **AB** through some method such as filtration in the case of a solid supported scavenger.

The use of scavengers is advantageous in that reactions are run in solution phase allowing for homogeneous reaction conditions and monitoring of the reaction, fewer steps typically as there is no need to attach/detach the resin.³³ Scavenging reactions require less solvent, solid support, and is more time efficient than traditional methods such as column chromatography. Additionally, polymer bound scavengers can be employed in tandem even if they contain functionality that can react with one another as the rate of reaction

between the two bound functionalities is much slower than reaction with the solution phase reagents. Unfortunately, since reactions must be run in solution phase they must be run in parallel.

One example of scavenger assisted purification reported by Flynn et al. employed an excess of an acylating reagent in a reaction with either a primary or secondary amine to yield the corresponding urea, amide, carbamate, or sulfonamide in addition to left over acylating reagent.⁴¹ Purification proceeded using polymer supported amino-methyl resin which selectively reacted with the acylating reagents through nucleophilic acyl substitution, after which filtration and drying of the filtrate yielded the product. Ten of the twelve compounds synthesized via this methodology had yields greater than 88% and all twelve derivatives had purities greater than 94.8%.

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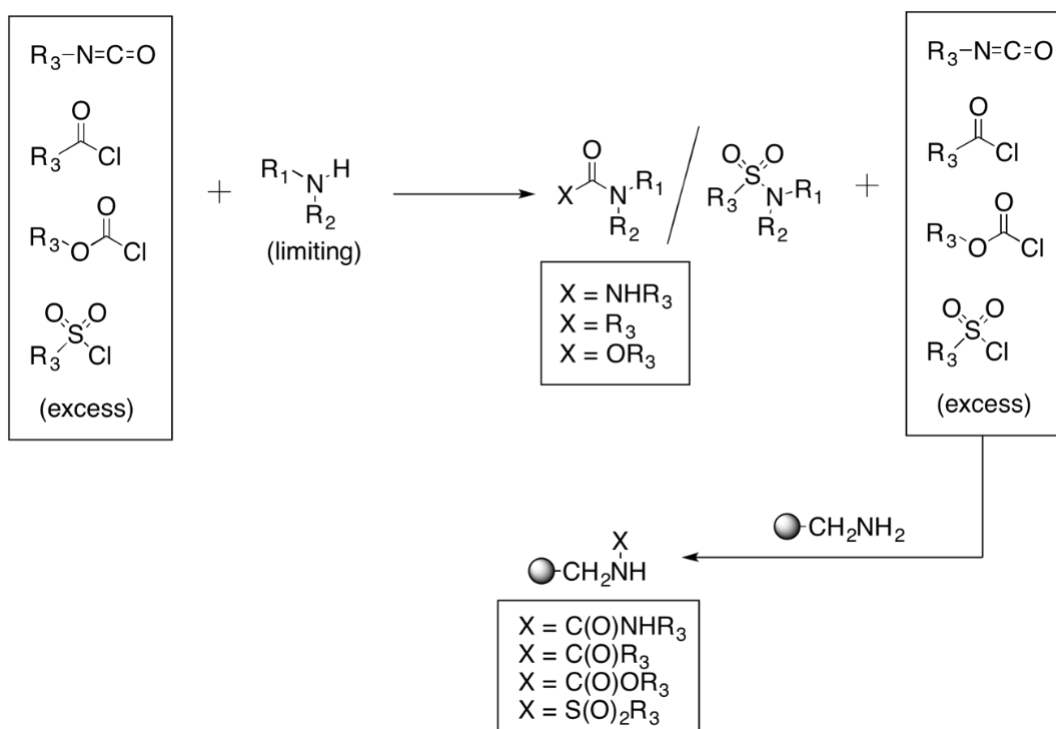


Figure 12: Flynn et al. synthesis of urea, amide, carbamate, and sulfonamide compounds and purification via an aminomethyl polymer supported scavenger.⁴¹

Zhen et al. recently published the development of a carbonyl scavenger synthesized from thiosemicarbazides and formaldehyde containing primary amines which can attack electrophilic carbonyls. In four steps the thiosemicarbazide was polymerized after which iron (II,III) oxide nanoparticles were incorporated into the polymer thus creating a magnetically retrievable scavenger. The scavenger was regeneratable and underwent attack of ketones, aldehydes, and while effective on more electrophilic carbonyls the scavenger was unable to be regenerated in such cases. One issue with the use of polymer reagents however is the solvent dependency of the reaction and the low loading level. When using polymer supported reagents it is necessary for the polymer to swell to allow access of the substrate to the reactive sites within the polymer. One major advantage of scavengers that

This project

The aim of this project is the incorporation of combinatorial methods into the preparation of aurones to accelerate their synthesis. The preferred mechanism through which to accomplish this through the Knoevenagel condensation between an aryl aldehyde and a benzofuranone, as it is a one-step synthesis from commercially available starting materials.

CHAPTER 2: EXPERIMENTAL

Protocol 1: Aldol condensation of benzofuranones with aldehydes and purification via polystyrene supported aldehyde scavengers.

Benzofuranone (0.2 mmol) and aldehyde (0.4 mmol) were combined in a dry vial. 0.7 g of neutral alumina was then added followed by 3 mL of dichloromethane. The reaction mixture was stirred for 12 hours at 25 °C. After 12 hours a polymer supported scavenger (2 equivalents of scavenger with respect to the benzofuranone) was added to the reaction mixture and stirred an additional 12 hours. The reaction mixture was then filtered and washed with a 1:1:1 mixture of methanol, ethyl acetate, and acetone. The filtrate was then concentrated to dryness *in vacuo* to afford the desired aurone.

Protocol 2: Aldol condensation of benzofuranones with aldehydes and purification via Isoniazid.

Benzofuranone (0.2 mmol) and aldehyde (0.4 mmol) were combined in a dry vial. 0.7 g of neutral alumina was then added followed by 3 mL of dichloromethane. The reaction mixture was stirred for 12 hours at 25 °C. After 12 hours Isoniazid (0.4 mmol) was added to the reaction mixture and stirred an additional 12 hours. The reaction mixture was then filtered and washed with a 1:1:1 mixture of methanol, ethyl acetate, and acetone. The filtrate was then concentrated to dryness *in vacuo* and resuspended in ethylacetate followed by a 3x liquid-liquid extraction with 1N HCl performed. The organic layer was then concentrated to dryness *in vacuo* to afford the desired aurone.

(Z)-4-((3-oxobenzofuran-2(3H)-ylidene)methyl)benzonitrile (Entry 1A-1D)

1A was prepared per **Protocol 1** utilizing p-toluenesulfonyl hydrazide - polymer bound and yielded 10 mg (20%).

1B was prepared per **Protocol 1** utilizing Sulfonyl amide – polymer bound and yielded 36 mg (72%).

1C was prepared per **Protocol 1** utilizing Ethylenediamine – polymer bound and yielded 36 mg (72%).

1D was prepared per **Protocol 2** and yielded 35 mg (70%).

Yellow solid. MP = 181-184 °C. IR (neat; thin film): 1703, 1650, 1602, 1475, 1461, 1302, 1190, 1130, 1108, 885, 833, 755, 734, 699, 664, 645, 626 cm⁻¹; ¹H NMR (500 MHz, CDCl₃): 6.79 (s, 1H), 7.24 (t, *J* = 6.85 Hz, 1H), 7.32 (d, *J* = 8.6 Hz, 1H), 7.65-7.70 (m, 3H), 7.79 (d, *J* = 7.45, 1H), 7.97 (d, *J* = 8.55 Hz, 2H); ¹³C NMR (125 MHz, CDCl₃): 110.09, 112.65, 113.10, 118.65, 121.20, 124.17, 125.04, 131.61, 132.56, 136.83, 137.64, 148.21, 166.34, 184.65.

(Z)-4-((3-iminobenzofuran-2(3H)-ylidene)methyl)benzonitrile (Entry 2)

2 was prepared per **Protocol 1** utilizing p-toluenesulfonyl hydrazide - polymer bound and yielded 14 mg (29%) as a yellow solid. ¹H NMR (500 MHz, CHLOROFORM-D) δ 7.98 (d, *J* = 8.2 Hz, 2H), 7.81 (d, *J* = 7.7 Hz, 1H), 7.75 – 7.66 (m, 3H), 7.34 (d, *J* = 8.2 Hz, 1H), 7.26 (t, *J* = 7.5 Hz, 1H), 6.81 (s, 1H).

(Z)-2-(4-(trifluoromethyl)benzylidene)benzofuran-3(2H)-one (Entry 3)

3 was prepared per **Protocol 2** and yielded 26 mg (44%) as an orange-yellow solid (MP = 98-102 °C). IR (neat, thin film): 3020, 1700, 1600, 1320, 1110, 1080, 750 cm⁻¹; ¹H NMR (CDCl₃, 500 MHz): 8.01 (d, *J* = 8.0 Hz, 2H), 7.82 (d, *J* = 8.0 Hz, 1H), 7.69 (m, 3H), 7.35 (d, *J* = 8.5 Hz, 1H), 7.26 (m, 1H), 6.87 (s, 1H); ¹³C NMR (CDCl₃, 125 MHz) 184.76, 166.32, 147.80, 137.48, 135.74, 131.50, 131.00 (q, *J* = 32 Hz), 129.03, 125.78 (q, *J* = 4 Hz), 123.52 (q, *J* = 270 Hz), 122.17, 121.27, 113.06, 110.82

(Z)-2-(4-(dimethylamino)benzylidene)benzofuran-3(2H)-one (Entry 4)

4 was prepared per **Protocol 2** and yielded 13 mg (25%) as a red solid (MP = 168-170 °C).

IR (neat, thin film): 3020, 1700, 1650, 1600, 1110, 750, 690 cm⁻¹; ¹H NMR (CDCl₃, 300 MHz): 7.85 (d, *J* = 5.4 Hz, 2H), 7.80 (d, *J* = 3.9 Hz, 1H), 7.60 (t, *J* = 4.2 Hz, 1H), 7.31 (d, *J* = 5.1 Hz, 1H), 7.18 (t, *J* = 4.5 Hz, 1H), 6.92 (s, 1H), 6.75 (d, *J* = 5.4 Hz, 2H), 3.07 (s, 6H); ¹³C NMR (CDCl₃, 75 MHz): 184.09, 165.36, 151.43, 145.10, 135.92, 133.74, 124.40, 122.97, 122.54, 120.07, 115.46, 112.86, 112.02, 40.16.

(Z)-2-(4-methylbenzylidene)benzofuran-3(2H)-one (Entry 5)

5 was prepared per **Protocol 2** and yielded 27 mg (57%) as a tan solid (MP = 75-76 °C).

IR (neat, thin film): 3020, 2920, 1700, 1650, 1600, 1490, 1300, 1200, 1110, 900, 750 cm⁻¹; ¹H NMR (CDCl₃, 300 MHz): 7.8 (m, 3H), 7.64 (ddd, *J* = 8.6, 7.3, 1.4 Hz, 1H), 7.32 (d, *J* = 8.3 Hz, 1H), 7.23 (m, 3H), 6.89 (s, 1H), 2.40 (s, 3H); ¹³C NMR (CDCl₃, 75 MHz): 184.88, 166.12, 146.61, 140.63, 136.86, 131.70, 129.81, 129.60, 124.71, 123.46, 121.85, 113.53, 113.03, 21.75.

(Z)-2-(4-methoxybenzylidene)benzofuran-3(2H)-one (Entry 6)

6 was prepared per **Protocol 2** and yielded 31 mg (61%) as a red-orange solid (MP = 135-

138 °C). IR (neat, thin film): 3020, 3000, 1700, 1670, 1600, 1510, 1240, 900, 820, 750 cm⁻¹; ¹H NMR (CDCl₃, 300 MHz) 7.90 (d, *J* = 8.91Hz, 2H), 7.80 (d, *J* = 6.87Hz, 1H), 7.65 (t, *J* = 7.2Hz, 1H), 7.31 (d, *J* = 8.25Hz, 1H), 7.21 (t, *J* = 7.2Hz, 1H), 7.00 (d, *J* = 8.94Hz, 2H), 6.89 (s, 1H), 3.87 (s, 3H); ¹³C NMR (CDCl₃, 75 MHz): 184.67, 165.92, 161.16, 145.97, 136.64, 133.55, 125.14, 124.65, 123.37, 122.03, 114.59, 113.52, 112.97, 55.49.

Methyl (Z)-4-((3-oxobenzofuran-2(3H)-ylidene)methyl)benzoate (Entry 7)

7 was prepared per **Protocol 2** and yielded 28 mg (49%) as a yellow solid (MP = 144-

147 °C). IR (neat, thin film): 2980, 1700, 1650, 1280, 1050, 1020 cm^{-1} ; ^1H NMR (CDCl_3 , 300 MHz): 8.10 (d, $J = 8.5$ Hz, 2H), 7.96 (d, $J = 8.3$ Hz, 2H), 7.81 (ddd, $J = 7.7$ Hz, $J = 1.4$ Hz, $J = 0.6$ Hz, 1H), 7.68 (ddd, $J = 8.6$ Hz, $J = 7.3$ Hz, $J = 1.4$ Hz, 1H), 7.35 (d, $J = 8.3$ Hz, 1H), 7.24 (td, $J = 7.7$ Hz, $J = 0.8$ Hz, 1H), 6.87 (s, 1H), 3.94 (s, 3H). ^{13}C NMR (CDCl_3 , 75 MHz): 184.85, 166.63, 166.36, 147.82, 137.38, 136.71, 131.29, 130.69, 130.06, 124.93, 123.91, 121.42, 113.12, 111.36, 52.34.

(Z)-2-(2-bromobenzylidene)benzofuran-3(2H)-one (Entry 8)

8 was prepared per **Protocol 2** and yielded 39 mg (64%) as a yellow solid (MP = 134-140 °C). IR (neat, thin film): 2980, 1700, 1600, 1450, 780 cm^{-1} ; ^1H NMR (CDCl_3 , 300 MHz): 8.34 (dd, $J = 7.9$, 1.6 Hz, 1H), 7.82 (ddd, $J = 7.6$, 1.4, 0.6 Hz, 1H), 7.67 (m, 2H), 7.43 (m, 1H), 7.31 (d, $J = 7.0$ Hz, 2H), 7.23 (m, 2H). ^{13}C NMR (CDCl_3 , 125 MHz): 184.643, 166.261, 147.623, 137.216, 133.481, 132.454, 132.110, 130.856, 127.766, 126.643, 124.931, 123.810, 121.538, 113.027, 110.833.

(Z)-2-(3-bromobenzylidene)benzofuran-3(2H)-one (Entry 9)

9 was prepared per **Protocol 2** and yielded 24 mg (39%) as a solid (MP = 117-118 °C). IR (neat, thin film): ^1H NMR (CDCl_3 , 500 MHz): 8.09 (s, 1H), 7.80 (t, $J = 7.1$ Hz, 2H), 7.67 (m, 1H), 7.51 (m, 1H), 7.36 (d, $J = 8.6$ Hz, 1H), 7.32 (t, $J = 7.9$ Hz, 1H), 7.24 (t, $J = 7.5$ Hz, 2H), 6.78 (s, 1H). ^{13}C NMR (CDCl_3 , 125 MHz): 184.75, 166.29, 147.40, 137.29, 134.43, 133.91, 132.73, 130.42, 130.10, 124.88, 123.84, 123.05, 121.48, 113.14, 111.14.

(Z)-2-(4-bromobenzylidene)benzofuran-3(2H)-one (Entry 10)

10 was prepared per **Protocol 2** and yielded 32 mg (53%) (MP = 152-158 °C). IR: 1714, 1655, 1601, 1487, 1474, 1460, 1298, 1205, 1186, 1128, 1112, 1099, 1071, 1008, 884, 821, 756, 697, 653, 626 cm^{-1} ; ^1H NMR (500 MHz, CDCl_3): 6.81 (s, 1H), 7.24 (t, $J = 7.45$ Hz,

1H), 7.34 (d, $J = 8$ Hz, 1H), 7.58 (d, $J = 8.6$ Hz, 2H), 7.67 (t, $J = 8.6$ Hz, 1H), 7.78 (d, $J = 8.6$ Hz, 2H), 7.81 (d, $J = 8.6$ Hz, 1H); ^{13}C NMR (125 MHz, CDCl_3): 111.47, 112.87, 121.39, 123.57, 124.21, 124.66, 131.03, 132.07, 132.61, 136.99, 146.99, 165.99, 184.58.

(Z)-2-(thiophen-2-ylmethylene)benzofuran-3(2H)-one (Entry 11)

11 was prepared per **Protocol 2** and yielded 16 mg (36%) (MP = 92-96 °C). IR (Neat, thin film): 1698, 1684, 1645, 1593, 1504, 1475, 1458, 1417, 1391, 1328, 1295, 1232, 1185, 1124, 1095, 992, 881, 846, 756, 710, 695, 625 cm^{-1} ; ^1H NMR (500 MHz, CDCl_3): δ 7.17 (t, $J = 4$ Hz, 1H), 7.20 (s, 1H), 7.24 (t, $J = 7.45$ Hz, 1H), 7.27 (s, 1H), 7.36 (d, $J = 8.55$ Hz, 1H), 7.57 (d, $J = 3.45$ Hz, 1H), 7.63 (d, $J = 5.15$ Hz, 1H), 7.66 (t, $J = 8.55$ Hz, 1H), 7.81 (d, $J = 7.45$ Hz, 1H); ^{13}C NMR (500 MHz, CDCl_3): δ 107.12, 112.92, 122.25, 123.52, 124.58, 128.09, 131.54, 133.17, 135.55, 136.71, 145.33, 165.65, 183.85.

(Z)-2-(furan-2-ylmethylene)benzofuran-3(2H)-one (Entry 12)

12 was prepared per Protocol 2 and yielded 16 mg (37%) as a brown solid (MP = 66-68 °C). IR (Neat, thin film): 1730, 1650, 1610, 1480, 1300, 1190, 1105, 850, 760 cm^{-1} ; ^1H NMR (500 MHz, CDCl_3): δ 6.56 (br s, 1H), 6.85 (s, 1H), 7.10 (d, $J = 3.45$ Hz, 1H), 7.17 (t, $J = 8.0$ Hz, 1H), 7.27 (d, $J = 8.6$ Hz, 1H), 7.61-7.57 (m, 2H), 7.75 (d, $J = 8.6$ Hz, 1H); ^{13}C NMR (500 MHz, CDCl_3): δ 101.57, 112.81, 113.11, 117.24, 121.87, 123.39, 124.41, 136.62, 144.87, 145.34, 148.65, 165.59, 183.90.

(Z)-4-((4-chloro-3-oxobenzofuran-2(3H)-ylidene)methyl)benzonitrile (Entry 13)

13 was prepared per **Protocol 2** and yielded 42 mg (75%) as a yellow solid (MP = 230-232). IR (Neat, thin film): cm^{-1} ; ^1H NMR (300 MHz, $\text{DMSO}-d_6$) δ 8.12 (d, $J = 8.5$ Hz, 2H), 7.94 (d, $J = 8.5$ Hz, 2H), 7.90 (s, 1H), 7.77 (t, $J = 8.1$ Hz, 1H), 7.53 (d, $J = 8.8$ Hz, 1H), 7.33 (d, $J = 8.4$ Hz, 1H), 7.00 (s, 1H). ^{13}C NMR (75 MHz, $\text{DMSO}-d_6$) δ 181.68,

166.77, 147.81, 139.10, 137.02, 133.37, 132.13, 131.20, 125.68, 119.20, 118.36, 112.64, 112.17, 110.56.

(Z)-4-((5-chloro-3-oxobenzofuran-2(3H)-ylidene)methyl)benzonitrile (Entry 14)

14 was prepared per **Protocol 2** and yielded 29 mg (51%) as a yellow solid (213-215 °C). IR (Neat, thin film): cm^{-1} ; ^1H NMR (300 MHz, DMSO- D_6) δ 8.12 (d, J = 8.6 Hz, 2H), 7.93 (d, J = 8.5 Hz, 2H), 7.84 (s, 1H), 7.81 (d, J = 2.4 Hz, 1H), 7.60 (dd, J = 8.2, 1.1 Hz, 1H), 7.02 (s, 1H). ^{13}C NMR (75 MHz, DMSO- D_6): 183.29, 164.62, 148.31, 138.01, 136.90, 133.21, 129.06, 124.32, 122.57, 119.17, 116.01, 112.21, 110.8.

(Z)-4-((5-fluoro-3-oxobenzofuran-2(3H)-ylidene)methyl)benzonitrile (Entry 15)

15 was prepared per **Protocol 2** and yielded 39 mg (73%) as a yellow solid (MP = 200-202 °C). IR (Neat, thin film): cm^{-1} ; ^1H NMR (300 MHz, ACETONE- D_6) δ 8.19 (d, J = 8.3 Hz, 2H), 7.89 (d, J = 8.5 Hz, 2H), 7.63 (d, J = 2.7 Hz, 1H), 7.61 – 7.58 (m, 1H), 7.52 (ddd, J = 6.9, 2.6, 0.7 Hz, 1H), 6.92 (s, 1H). ^{13}C NMR (75 MHz, DMSO- D_6) δ 184.29, 162.91, 161.18, 157.97, 149.22, 149.06, 145.56, 139.32, 137.44, 133.80, 133.70, 132.71, 128.87, 126.39, 126.12, 126.05, 125.96, 125.65, 122.46, 122.35, 119.52, 116.08, 115.98, 113.41, 112.81, 111.42, 111.32, 110.99.

(Z)-4-((6-fluoro-3-oxobenzofuran-2(3H)-ylidene)methyl)benzonitrile (Entry 16)

16 was prepared per **Protocol 2** and yielded 28 mg (53%) as a yellow solid (MP = 190-193 °C). IR (Neat, thin film): cm^{-1} ; ^1H NMR (300 MHz, DMSO- D_6): 8.09 (d, J = 8.3 Hz, 2H), 7.93 (d, J = 8.5 Hz, 2H), 7.87 (dd, J = 8.5, 5.8 Hz, 1H), 7.55 (dd, J = 9.3, 2.1 Hz, 1H), 7.17 (ddd, J = 9.4, 8.5, 2.2 Hz, 1H), 6.99 (s, 1H). ^{13}C NMR (75 MHz, DMSO- D_6):

(Z)-4-((5-bromo-3-oxobenzofuran-2(3H)-ylidene)methyl)benzonitrile (Entry 17)

17 was prepared per **Protocol 2** and yielded 28 mg (40%) as a yellow solid. (Decomp =

170 °C). IR (neat, thin film): 3000, 2200, 1600-1700 cm^{-1} ; ^1H NMR (CDCl_3 , 300 MHz): 7.94 (m, 3H), 7.76 (dd, $J = 8.90, 2.43$ Hz, 1H), 7.73 (d, $J = 8.58$ Hz, 2H), 7.25 (m, 1H), 6.83 (d, $J = 6.54$ Hz, 1H); ^{13}C NMR (125 MHz, CDCl_3) 183.07, 164.86, 147.97, 139.83, 132.62, 132.57, 131.75, 131.61, 127.72, 125.07, 124.18, 114.85, 113.06, 111.13.

Generic Protocol for analysis of reaction kinetics of Isoniazid and carbonyls via gas chromatography

To a 2 mL autosampler vial was added 1 mL of a 0.05 M carbonyl solution containing a known concentration of standard as indicated by Table 2. A small stir bar was then added, and the vial sealed. The sample was then analyzed across 10 injections (11 for aldehydes) with X seconds between injections as indicated by Table 2. All runs were isothermal. Ten molar equivalents of Isoniazid and 10 molar equivalents of neutral alumina were added to the reaction mixture approximately 120 seconds after the first injection. The reaction mixture was stirred at 600 RPM in-between injections.

Table 2: Sample conditions for analysis of reaction kinetics of Isoniazid and carbonyls via gas chromatography

	Temp. °C	Run Time (min)	Standard	Time between injections (s)
Benzaldehyde	90	2.98	Decane	240
4-Nitrobenzaldehyde	120	2.98	Decane	240
4-Cyanobenzaldehyde	120	2.98	Decane	240
4-Bromobenzaldehyde	120	2.98	Decane	240
4-Methylbenzaldehyde	100	2.98	Decane	240
4-Methoxybenzaldehyde	130	2.98	Decane	240
3-Methoxybenzaldehyde	120	2.98	Decane	240
2-Methoxybenzaldehyde	120	2.98	Decane	240
Trans-cinnamaldehyde	125	2.98	Decane	240
Dihydrocinnamaldehyde	130	2.98	Decane	240
Thiophene-2-carboxaldehyde	80	2.98	Decane	240
Furan-3-carboxaldehyde	80	2.98	Decane	240
2-Octanone	120	2.98	Dodecane	2010
Cyclohexanone	80	2.98	Decane	240
Acetophenone	100	2.98	Decane	2010
Benzophenone	150	6.98	Dodecane	2010
Ethyl Acetoacetate	80	2.98	Decane	720
Butyl acetate	75	2.98	Decane	2010
Methyl benzoate	100	2.98	Decane	2010

Protocol for determination of rate constant via linear regression

The concentration of aldehyde was determined according to the equations below. The natural log of the concentration was then plotted against time and linear regression calculated using the method of least squares to yield the rate constant.

Percent carbonyl remaining at t_x

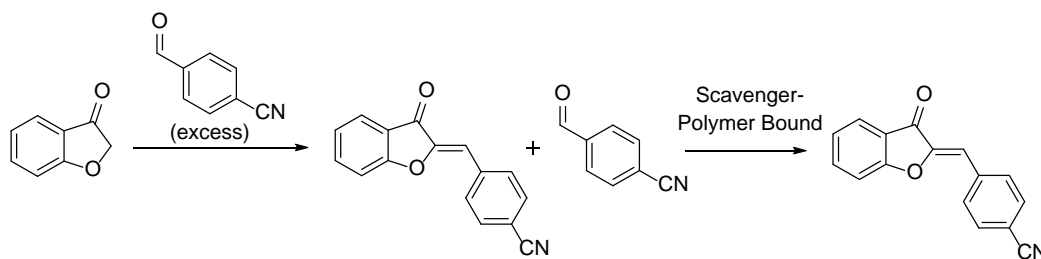
$$= \left(\frac{\text{Area Carbonyl at } t_x}{\text{Area Standard at } t_x} \right) \div \left(\frac{\text{Area Carbonyl at } t_0}{\text{Area Standard at } t_0} \right) \times 100\%$$

Concentration of carbonyl at t_x = Percent carbonyl remaining at $t_x \times 0.05 M$

CHAPTER 3: RESULTS AND DISCUSSION

Due to the lack of a ubiquitous chemical handle and the resource intensive process of developing a traceless synthesis or a supported reagent, a scavenger-based approach appeared optimal for aurone synthesis. Aldehyde scavenging is known, and it would certainly be expected that aldehydes would react more rapidly with a scavenger than the enone-type functionality present in the product aurones. In addition, we had previously noted that the use of an excess of aldehyde under typical condensation reaction conditions generates a mixture at the end of only the desired aurone, unreacted aldehyde, and water. Thus, if excess aldehyde could be used and then readily removed, the desired aurone should be left in sufficient purity for direct use without further purification. Armed with this information, representative known, commercially available supported scavengers were explored. Reported scavengers have typically been nucleophilic amine- or hydrazine-based functional groups attached to a polystyrene support.⁴¹ Three of these were surveyed for their use in a representative aurone-forming reaction. (Table 3)

Table 3: Comparison of the efficiency and cost of several aldehyde scavengers.



Entry	Scavenger	grams used ^a	Yield (%)	Purity (%) ^b	USD/gram ^c
1A	p-toluenesulfonyl hydrazide polymer bound	0.200	20 ^d	>95	18
1B	Sulfonyl amide – polymer bound	0.266	72	>95	43
1C	Ethylenediamine – polymer bound	0.100	72	>95	12
1D	Isoniazid	0.055	70	>95	0.22

a) Grams used was determined by loading level. b) Purity was assessed by NMR

c) USD/gram was obtained from Sigma-Aldrich website. d) Initial scavenging reactions utilizing p-toluenesulfonyl hydrazide polymer bound resulted in imine **2**.

In this reaction, 3-coumaranone was reacted with 2 equivalents of 4-cyanobenzaldehyde in neutral alumina and dichloromethane, reaction conditions first reported by Varma.¹⁸ After 12 hours 2 equivalents of scavenger (with regards to the benzofuranone) was added and the mixture was allowed to react for a further 12 hours. The reaction was then filtered and dried to yield the product. Two of these three afforded the desired aurone in high purity and reasonable yield after addition of the resin, stirring overnight and then removal of the resin via filtration. Interestingly, the other resin (p-toluene sulfonyl hydrazide, polymer bound) failed

to afford any of the desired aurone in the first trial, but instead afforded a material that we believe to be the corresponding imine **2**. Curiously, when this reaction was repeated at a later date it did yield the aurone product. The mechanism and source of this side reaction are not clear and are under further study, but it was cleanly reproducible.

While successful, these polymers supported resins are not inexpensive and require very significant excesses in order to obtain consistent purity of the final products.¹¹ What we desired was an equally effective scavenger that would be more cost-effective and perhaps require less scavenger. Recognizing that much of the weight in a polymer supported scavenger is in the polymer portion and that imperfect swelling often times is responsible for the use of large molar excesses of the scavenger, it also appeared that an easily separable, soluble scavenger would offer certain advantages. Oliviera's recently reported use of isonicotonic acid hydrazide (Isoniazid) loaded on an Amberlyst resin as a scavenger for aldehydes and ketones caught our interest.⁴⁵ While very little was explored in this paper beyond the ability of this resin loaded scavenger to remove a few simple aldehydes and ketones from solution, it appeared to be a highly promising option. At the same time, loading this scavenger on a resin (support) appeared to be unnecessary as the loading relied on acid/base chemistry rather than covalent bonding. As a result, it was presumed that the Knoevenagel condensation could be performed, Isoniazid added as a soluble scavenger and then removed, along with the scavenged aldehyde, by simpler acid/base chemistry using a dilute aqueous hydrochloric acid wash as depicted in Figure 14. Unfortunately, tests of Isoniazid's solubility showed it to be insoluble in

everything except the most polar solvents (DMSO, DMF, and H₂O). The reaction was run in DCM regardless of Isoniazid's solubility under the assumption that the reaction would still occur under heterogenous conditions at a rate greater than that of polymer bound scavengers. As noted by Zhen et al., heterogenous scavengers on the submicrometer scale can form quasi-homogeneous mixtures when dispersed in solution.³³

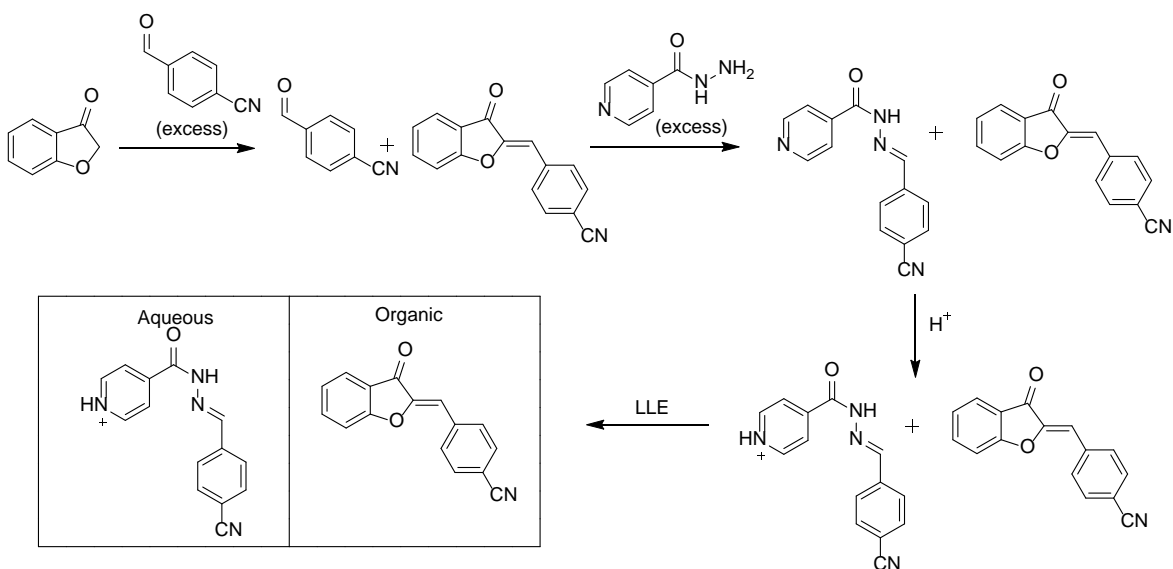


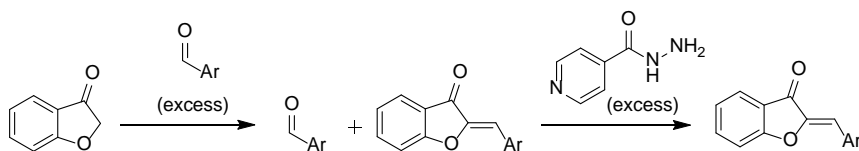
Figure 15: Proposed approach for aurone synthesis utilizing Isoniazid as an aldehyde scavenger

Thus, following the condensation reaction, Isoniazid was added, and the mixture stirred overnight. Extraction with dilute hydrochloric acid was sufficient to remove the Isoniazid and scavenged aldehyde and leave the precipitated aurone in high purity and a yield similar to that obtained with the polymer-supported scavengers. (Table 3, entry 4) It is important to note that this high yield, as well as

control reactions between Isoniazid and the aurone product have demonstrated excellent selectivity for reaction with aldehydes and not the aurone product, even with the prolonged reaction times employed for the scavenging stage of this sequence.

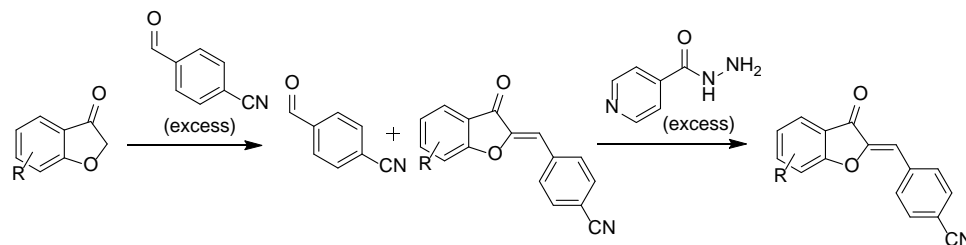
Armed with this initial success, a range of aldehydes were subjected to the same reaction and scavenging conditions in order to determine the influence of electronic and steric factors of the aldehyde on the scavenging step. As can be seen from Table 4, in all but one case, the aurones were obtained in >95% purity as accessed by ^1H NMR. Isolated yields were more variable but were all acceptable for the small scale upon which these reactions were performed and provided ample material for multiple biological screening campaigns. Although the benzofuranone was not expected to have any particular influence on the scavenging, a smaller series of modifications of that portion were also explored (Table 5).

Table 3: Synthesis and purification using Isonazid of aurones utilizing various aldehydes.



Entry	Ar	Yield (%)	Purity (%)
3	4-trifluoromethyl phenyl	44	>95
4	4-dimethylamino phenyl	25	>95
5	4-methyl phenyl	57	>95
6	4-methoxy phenyl	61	>95
7	4-methyl carboxylate phenyl	49	77
8	2-bromo phenyl	64	>95
9	3-bromo phenyl	39	>95
10	4-bromo phenyl	53	>95
11	2-thiophenyl	36	>95
12	2-furyl	37	>95

Table 4: Synthesis and purification using Isoniazid of aurones utilizing various benzofuranones.



Entry	R	Yield (%)	Purity (%)
13	4-Cl	46	>95
14	5-Cl	31	>95
15	5-F	55	>95
16	6-F	39	>95
17	5-Br	40	>95

Results of these syntheses shows aurones synthesized via Knoevenagel condensations can rapidly and efficiently be purified via scavenging of unreacted aldehyde by Isoniazid. While some yields are lower, they still provide enough material for multiple biological screenings and could doubtless be improved by increasing the scale of the reactions. While confident that Isoniazid is an excellent method for the purification of aurones, the kinetics of the hydrazone formation from the reaction of Isoniazid with various aldehydes, ketones, and esters was analyzed in order to determine the selectivity of Isoniazid. Results of these analyses can help determine if Isoniazid could be incorporated into the purification of other reactions without scavenging out the product.

Kinetics of hydrazone formation between various carbonyls and Isoniazid using pseudo first order reaction conditions was measured by the consumption of carbonyl as monitored via a gas chromatograph equipped with a flame ionization detector (GC-FID). Initial reaction conditions were composed of a 0.5 M solution of carbonyl to which 10 molar equivalents of Isoniazid was added 120 seconds after the first injection. The results of these conditions employing benzaldehyde as the carbonyl showed a negligible consumption of aldehyde. This conflicted with the data from the aurone syntheses which showed Isoniazid to be an efficient scavenger of aldehydes. The reaction conditions were then modified to include 10 molar equivalents of neutral alumina (with respect to the carbonyl) to be added to the reaction mixture at the same time as the Isoniazid. The analysis of benzaldehyde using these modified reaction conditions showed a substantial increase in reaction rate, going from a negligible change in aldehyde concentration at 30 minutes to 50% of the aldehyde being consumed within 30 minutes.

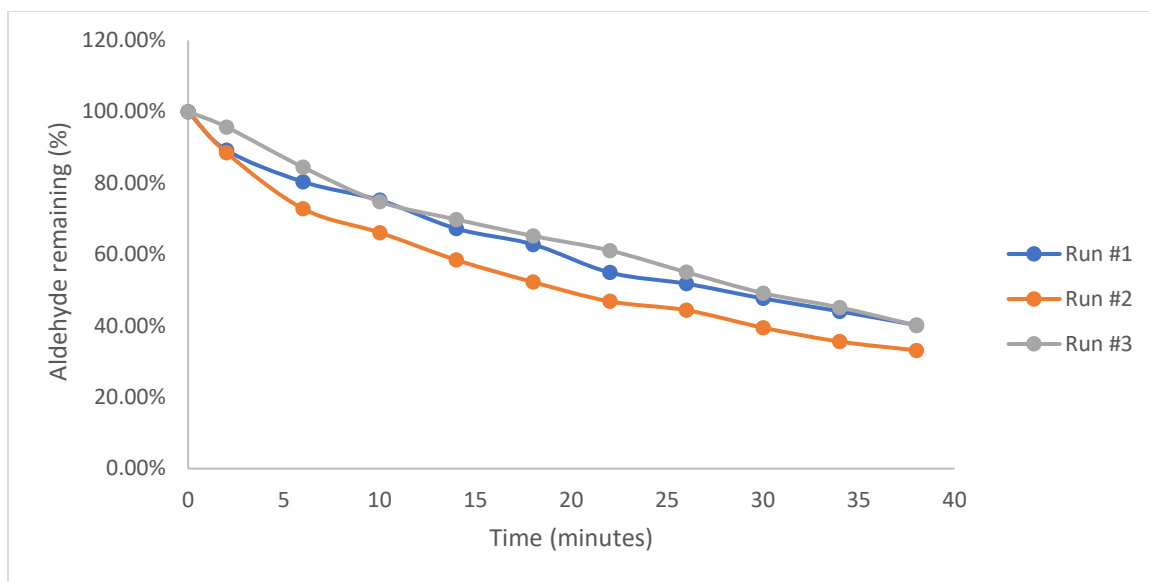


Figure 16: Percent decrease in concentration of benzaldehyde as it is consumed by Isoniazid.

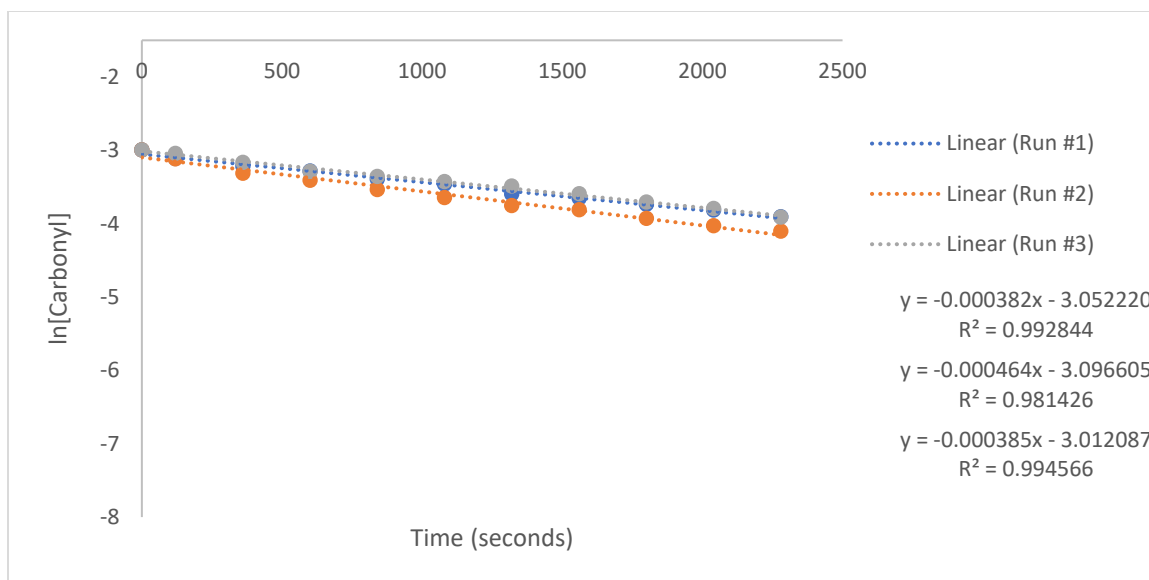


Figure 17: Linear regression of the decrease in concentration of benzaldehyde as it is consumed by Isoniazid.

To determine the effect of electron withdrawing groups on the reaction rate, 4-nitrobenzaldehyde and 4-cyanobenzaldehyde were analyzed via these same reaction

conditions. As expected these analyses showed a substantial increase in reaction rate which conforms with the accepted trends of nucleophilic acyl substitution, that electron withdrawing groups increase the electrophilicity of the carbonyl making it more susceptible to attack by nucleophiles. Additionally, the 4-nitrobenzaldehyde which has a stronger electron withdrawing group has a rate two times greater than 4-cyanobenzaldehyde. Unfortunately, the limitations of using GC-FID in analyzing these reactions can be seen in the graphs for 4-nitrobenzaldehyde; the initial rate of reaction is so great that almost 50% of the aldehyde is consumed within the first 120 seconds of the reaction. By the time enough data has been collected to calculate the rate constant the reaction rate has already slowed from the initial rate. To more accurately measure the rate constant for 4-nitrobenzaldehyde the method would need to be modified to take measurements faster than every 240 seconds; this would most likely necessitate a change in instrumentation such as switching to in-situ IR.

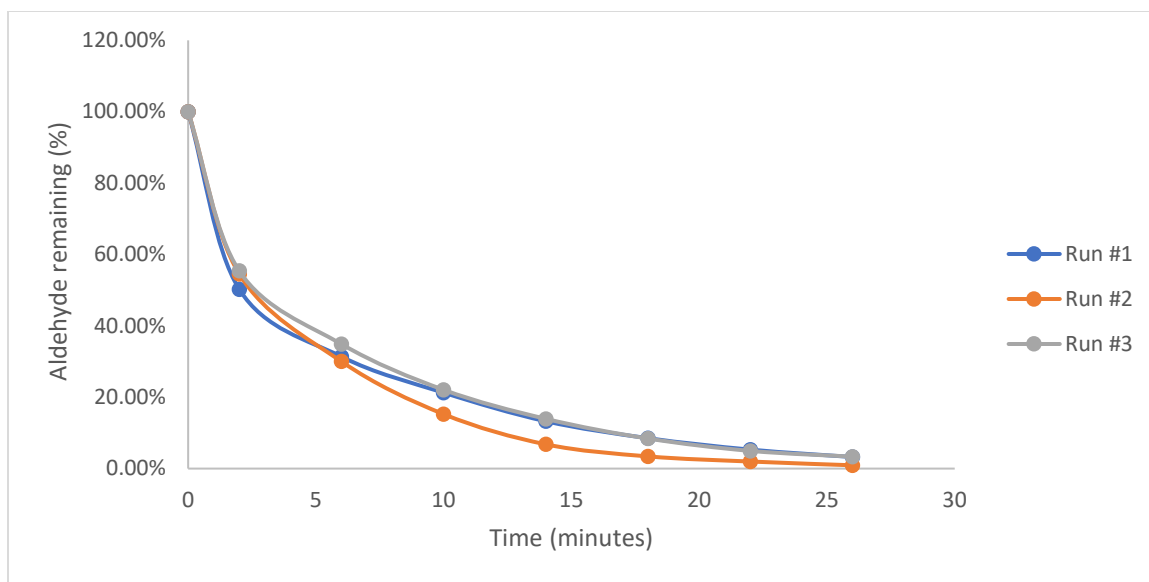


Figure 18: Percent decrease in concentration of 4-nitrobenzaldehyde as it is consumed by Isoniazid.

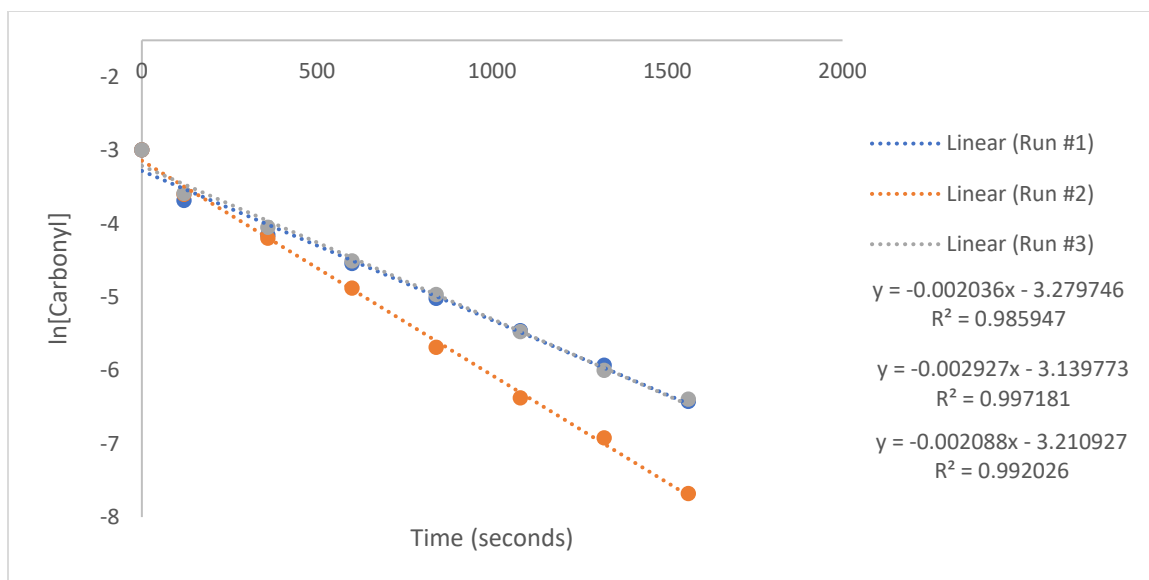


Figure 19: Linear regression of the decrease in concentration of 4-nitrobenzaldehyde as it is consumed by Isoniazid.

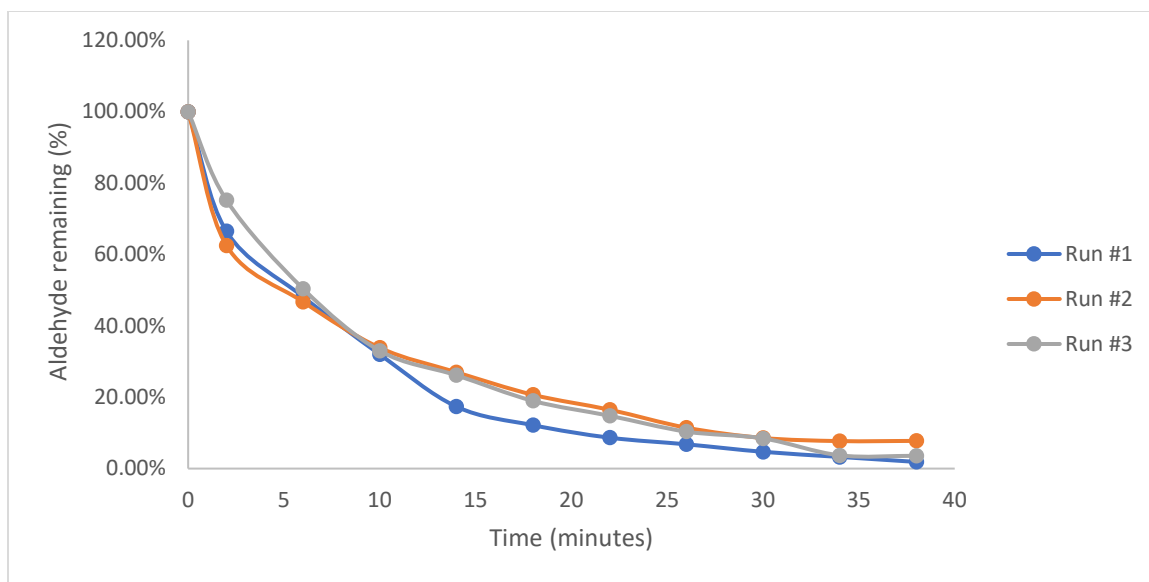


Figure 20: Percent decrease in concentration of 4-cyanobenzaldehyde as it is consumed by Isoniazid.

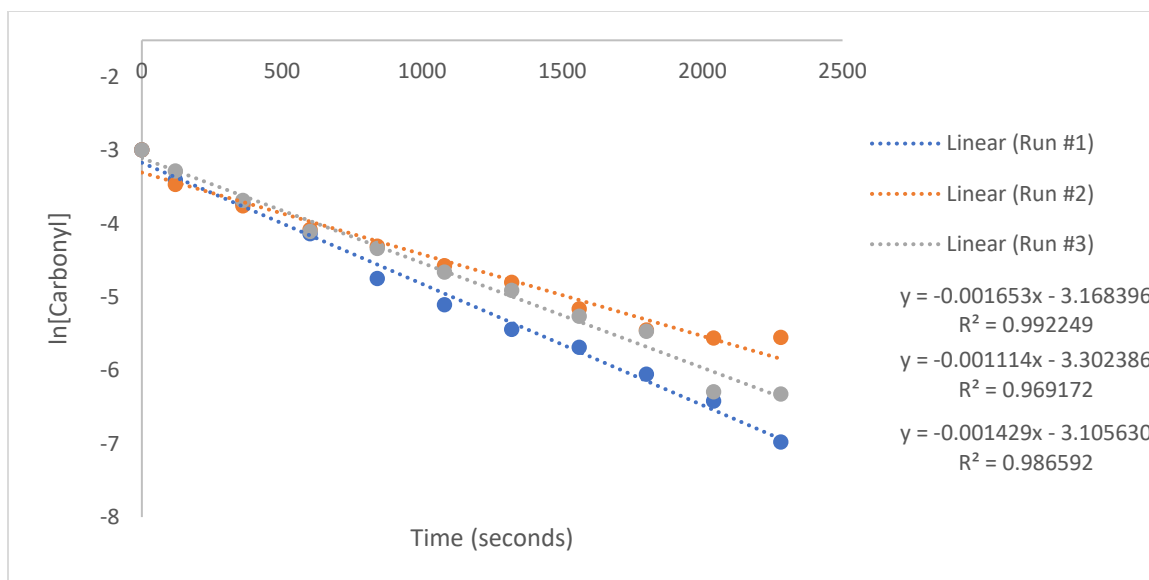


Figure 21: Linear regression of the decrease in concentration of 4-cyanobenzaldehyde as it is consumed by Isoniazid.

Additionally, the reaction rate for 4-bromobenzaldehyde was analyzed and the rate constant was determined to be $-0.000584 \text{ s}^{-1} \pm 0.000088$ only slightly higher (faster) than

the rate constant calculated for benzaldehyde. The slower rate of reaction for 4-bromobenzaldehyde was expected as the bromo group is a weaker electron withdrawing group than the nitro and cyano functional groups; also due to the use of the para orientation bromobenzaldehyde the aldehyde experiences greater resonance support than the nitro and cyano substituted aldehydes.

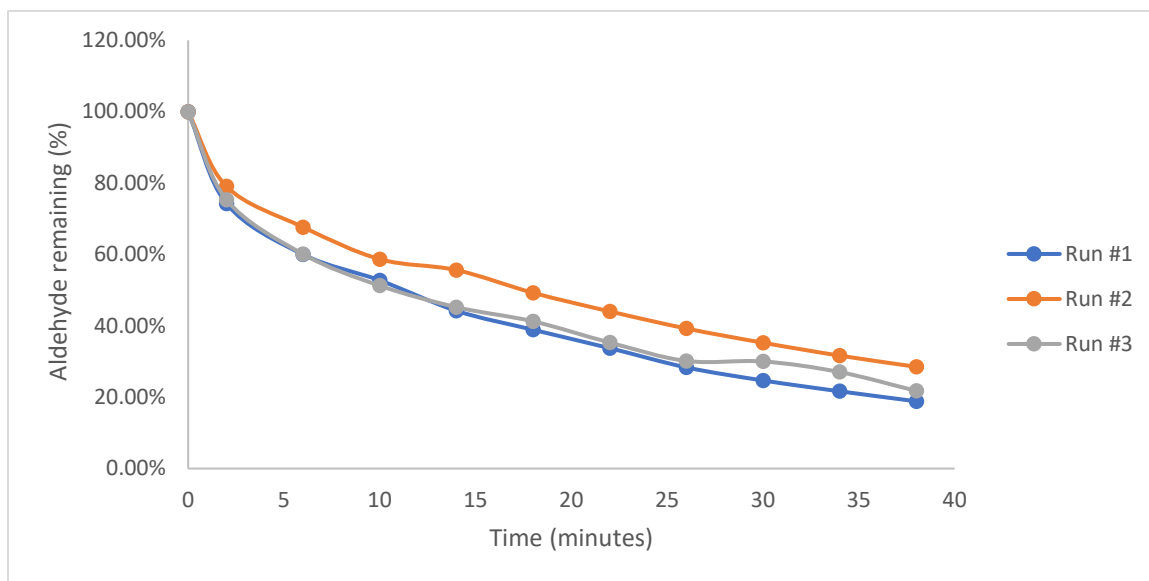


Figure 22: Percent decrease in concentration of 4-bromobenzaldehyde as it is consumed by Isoniazid.

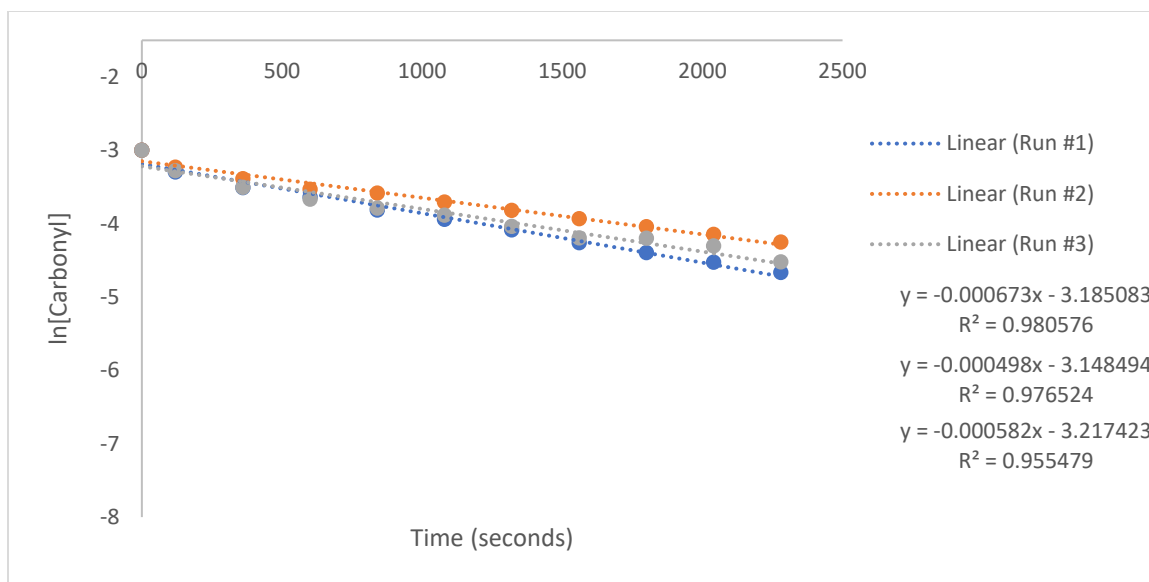


Figure 23: Linear regression of the decrease in concentration of 4-bromobenzaldehyde as it is consumed by Isoniazid.

4-tolualdehyde and 4-methoxybenzaldehyde were also tested to determine the effect of electron donating groups on the rate of hydrazone formation. The rate of reaction for 4-tolualdehyde was significantly slower than aldehydes containing EWGs and was slightly slower than benzaldehyde which conforms with the expected results. Interestingly 4-methoxybenzaldehyde which contains a stronger electron donating group than 4-tolualdehyde, possesses a higher rate of reaction which is even slightly greater than that of benzaldehyde. While the data for these analyses is of slightly lower quality based on R^2 values, the triplicate runs showed a relatively consistent value for the rate constant, $-0.000468 \text{ s}^{-1} \pm 0.000054$. Additionally, while the graphs of the percent decrease in aldehyde for these two compounds do possess some irregularities they qualitatively show that Isoniazid is an effective scavenger.

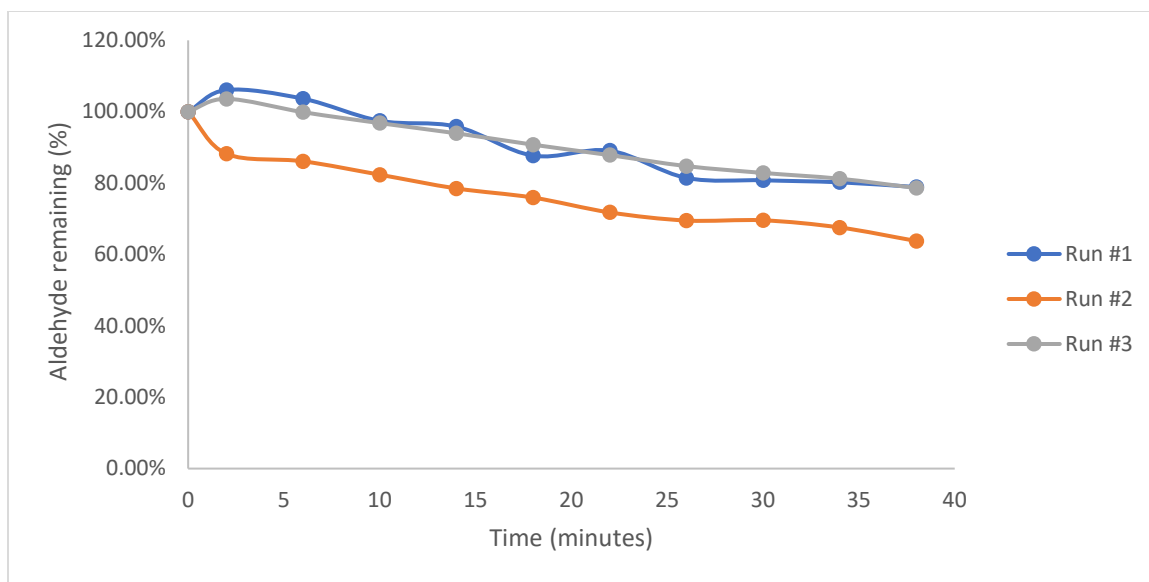


Figure 24: Percent decrease in concentration of 4-methylbenzaldehyde as it is consumed by Isoniazid.

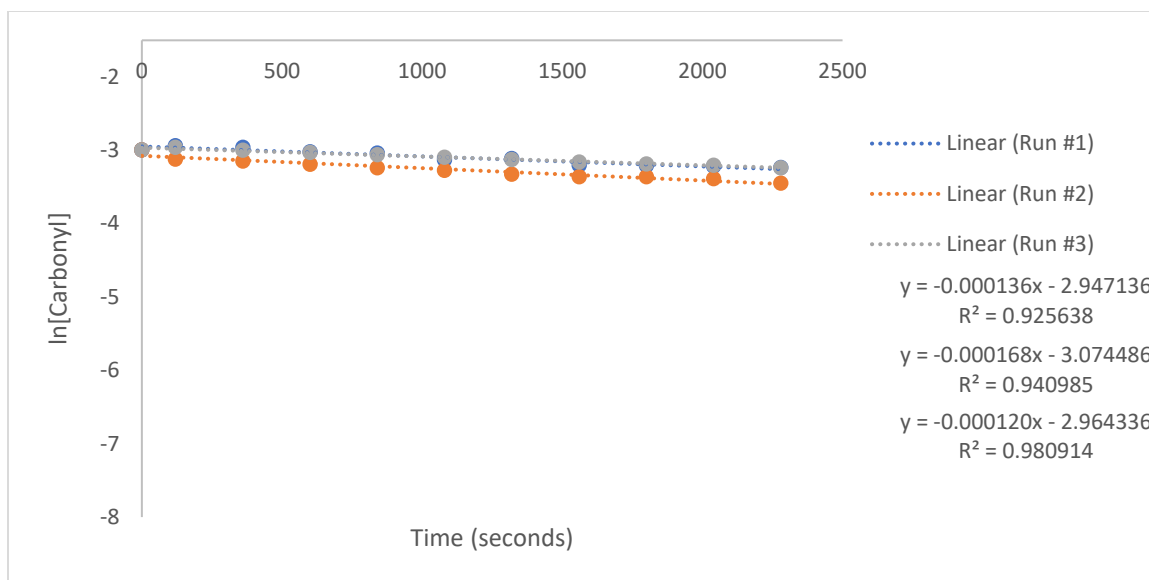


Figure 25: Linear regression of the decrease in concentration of 4-methylbenzaldehyde as it is consumed by Isoniazid.

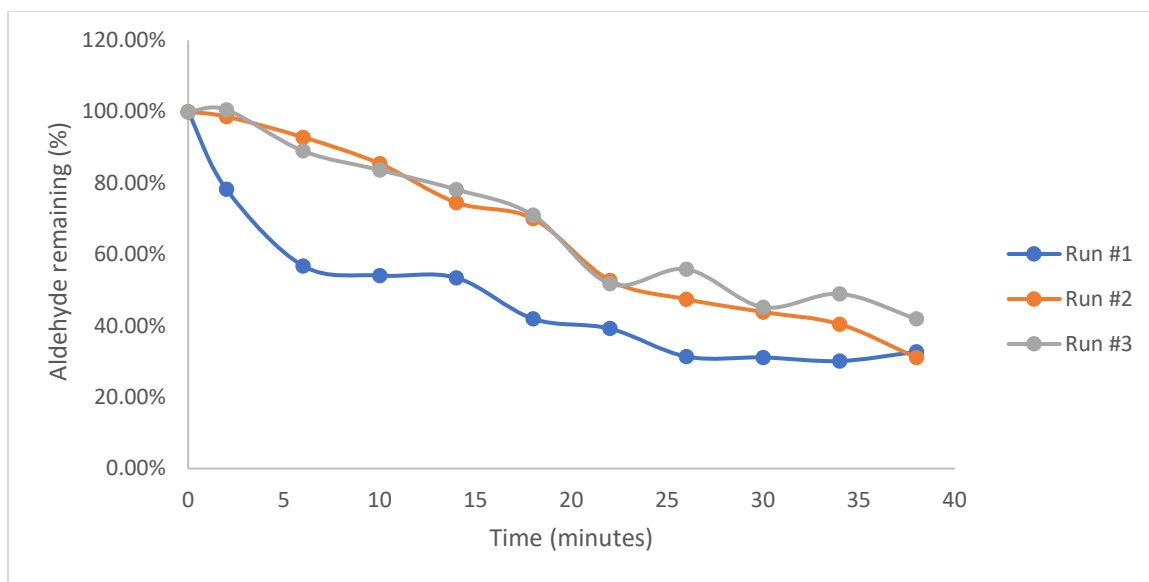


Figure 26: Percent decrease in concentration of 4-methoxybenzaldehyde as it is consumed by Isoniazid.

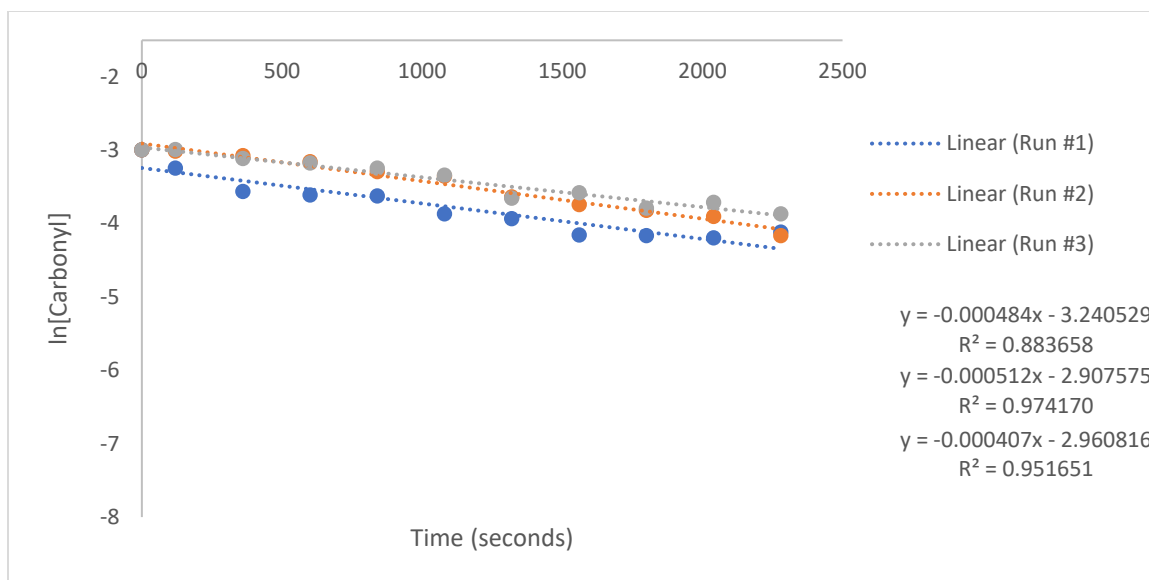


Figure 27: Linear regression of the decrease in concentration of 4-methoxybenzaldehyde as it is consumed by Isoniazid.

In addition to 4-methoxybenzaldehyde, the ortho and meta isomers were also analyzed to determine the effect of the ortho, meta, para relationship between substituent

and aldehyde on the rate of reaction. Interestingly, the ortho isomer had the fastest rate of reaction by a large margin, which conflicted with the expected results, although there was a wide margin of error between runs. Further analysis of the ortho isomer is needed to confirm these results; if these results are accurate the most likely explanation is that some type of coordination is occurring which serves to accelerate the rate of reaction. The meta isomer was slightly faster than the para isomer which would be expected as the donating methoxy group is not in direct resonance with the carbonyl.

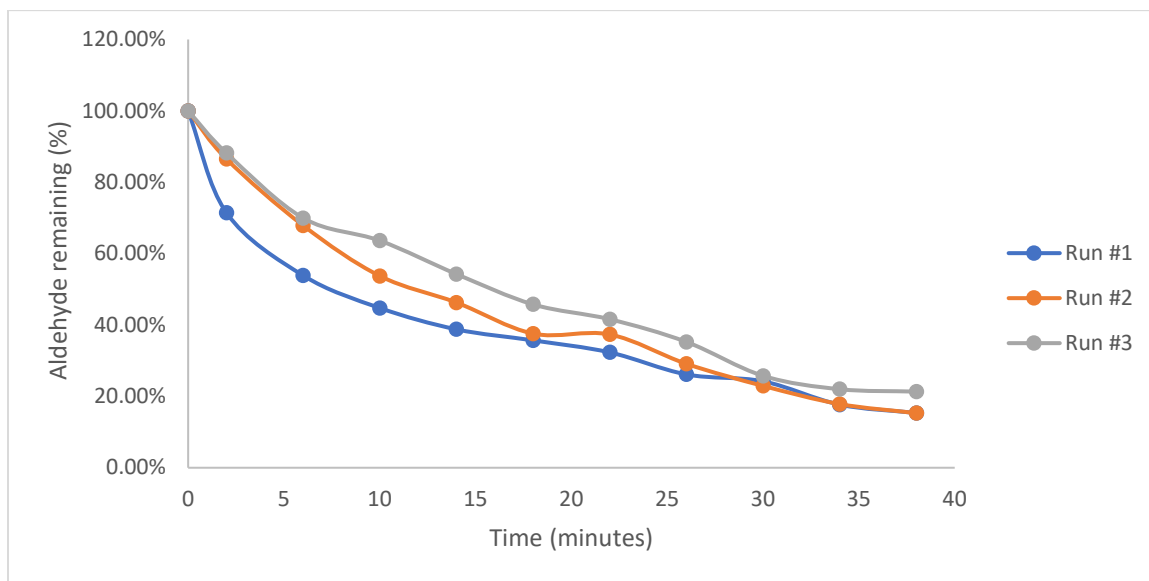


Figure 28: Percent decrease in concentration of 3-methoxybenzaldehyde as it is consumed by Isoniazid.

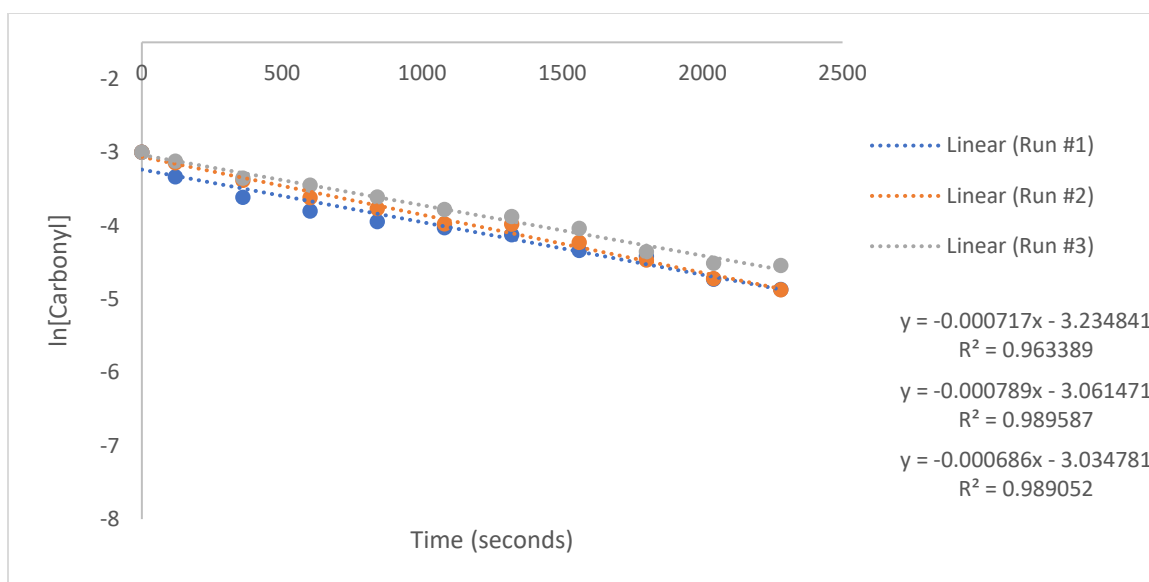


Figure 29: Linear regression of the decrease in concentration of 3-methoxybenzaldehyde as it is consumed by Isoniazid.

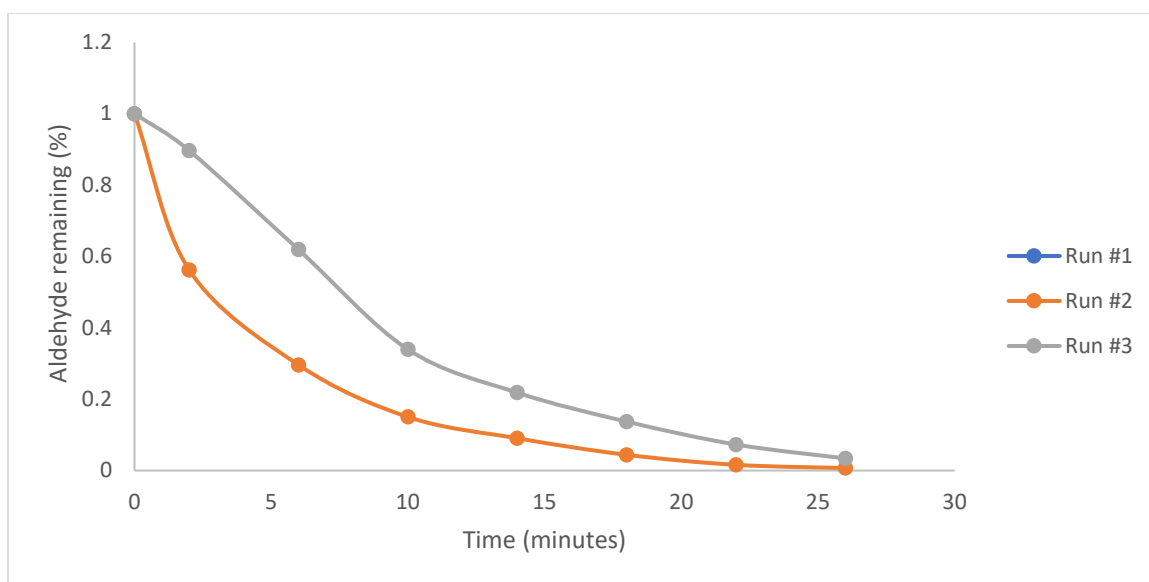


Figure 30: Percent decrease in concentration of 2-methoxybenzaldehyde as it is consumed by Isoniazid.

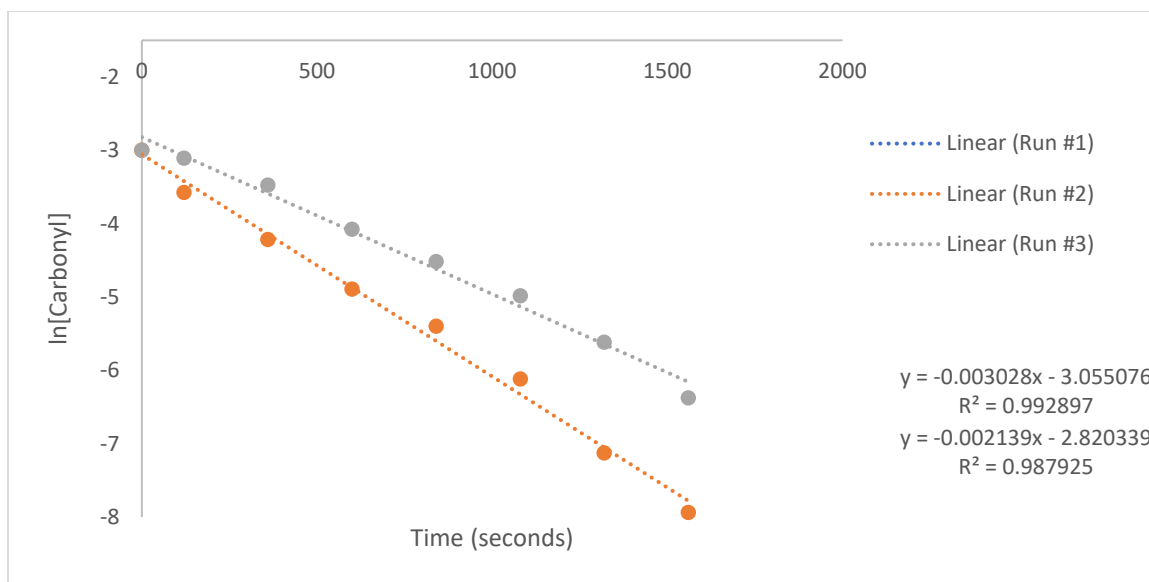


Figure 31: Linear regression of the decrease in concentration of 2-methoxybenzaldehyde as it is consumed by Isoniazid.

Trans-cinnamaldehyde and dihydrocinnamaldehyde were analyzed to determine the rate of hydrazine formation for alkenyl and aliphatic aldehydes. As expected the rate of reaction for these aldehydes was significantly higher than their aryl counterparts due to decreased steric hindrance and the lack of resonance stabilization on the aldehyde for dihydrocinnamaldehyde. Unfortunately, the rate constants derived from this data are inherently unreliable as our methodology lacks the ability to take aliquots in a sufficiently short amount of time before the rate changes. It is obvious though that the rate of reaction for aliphatic aldehydes is much greater than that of aryl aldehydes.

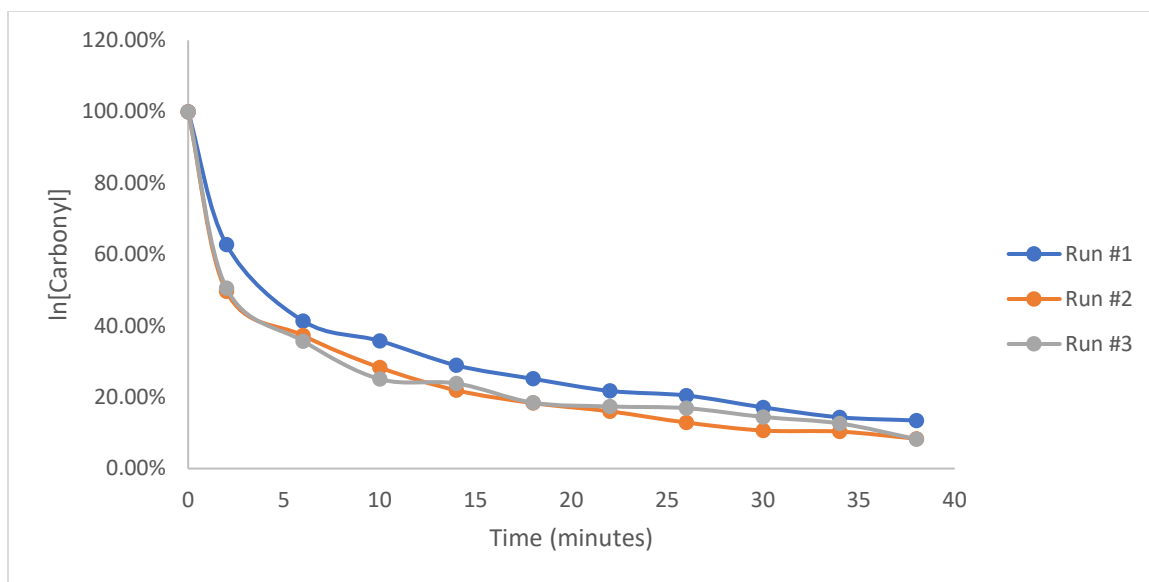


Figure 32: Percent decrease in concentration of trans-cinnamaldehyde as it is consumed by Isoniazid.

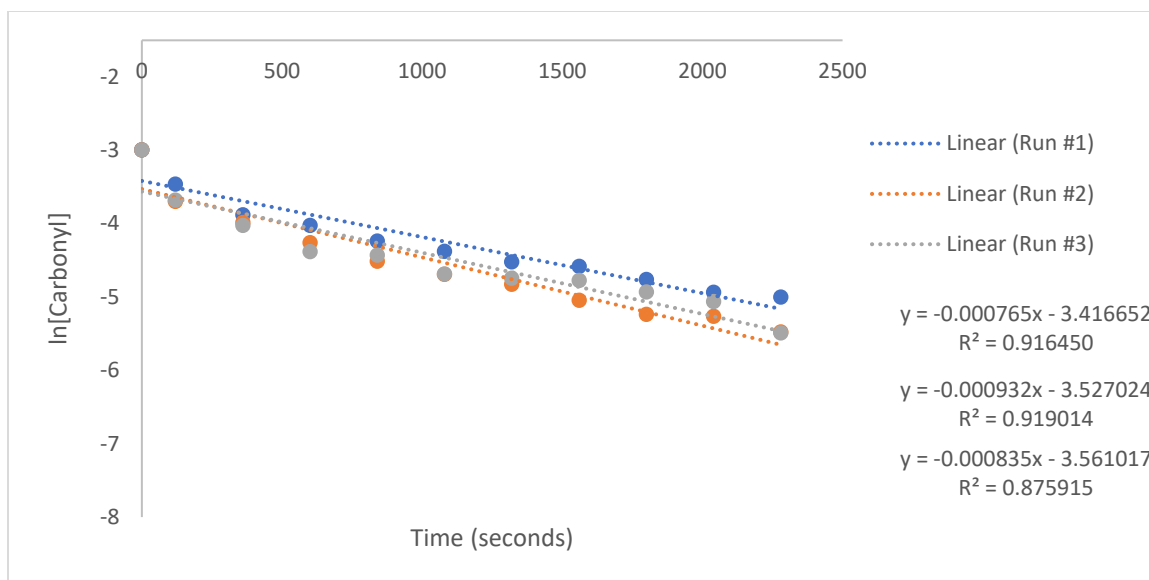


Figure 33: Linear regression of the decrease in concentration of trans-cinnamaldehyde as it is consumed by Isoniazid.

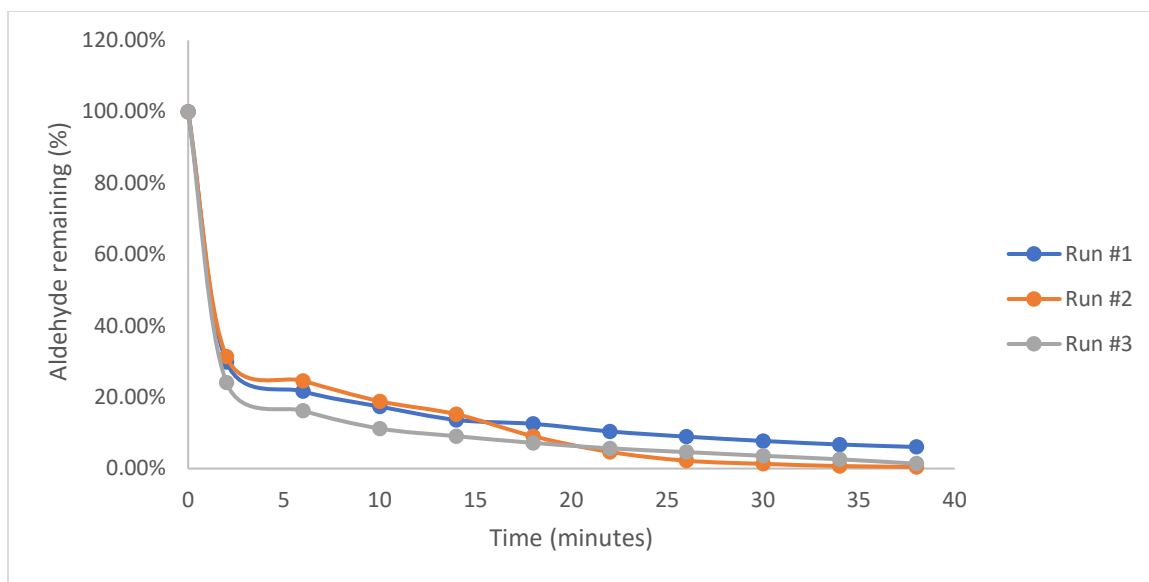


Figure 34: Percent decrease in concentration of dihydrocinnamaldehyde as it is consumed by Isoniazid.

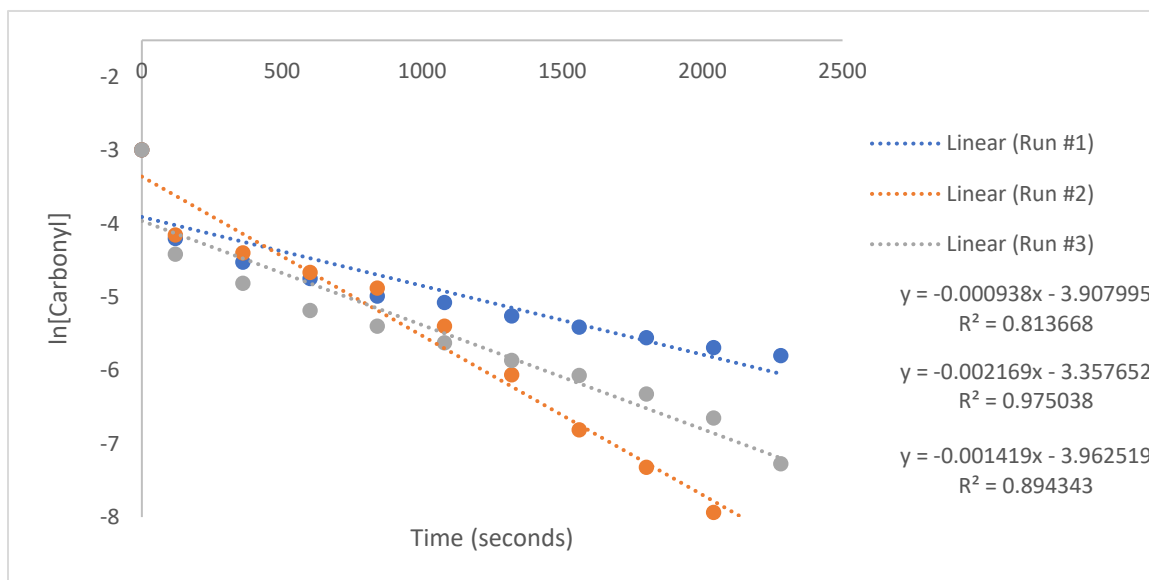


Figure 35: Linear regression of the decrease in concentration of dihydrocinnamaldehyde as it is consumed by Isoniazid.

Although it was not expected that Isoniazid would have difficulty reacting with heteroaromatics, thiophene-2-carboxaldehyde and furan-3-carboxaldehyde were analyzed.

The furan possessed a much greater reaction rate than the thiophene which had a rate comparable to that of benzene. This is likely due to the highly electronegative oxygen having an inductive effect and forming less stable resonance structures.

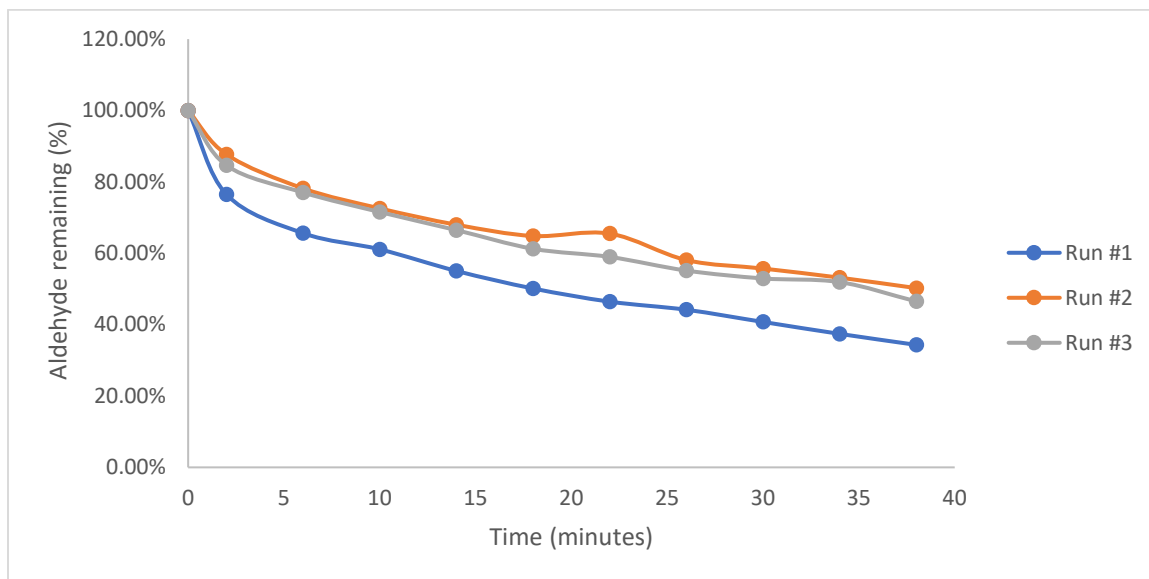


Figure 36: Percent decrease in concentration of thiophene-2-carboxaldehyde as it is consumed by Isoniazid.

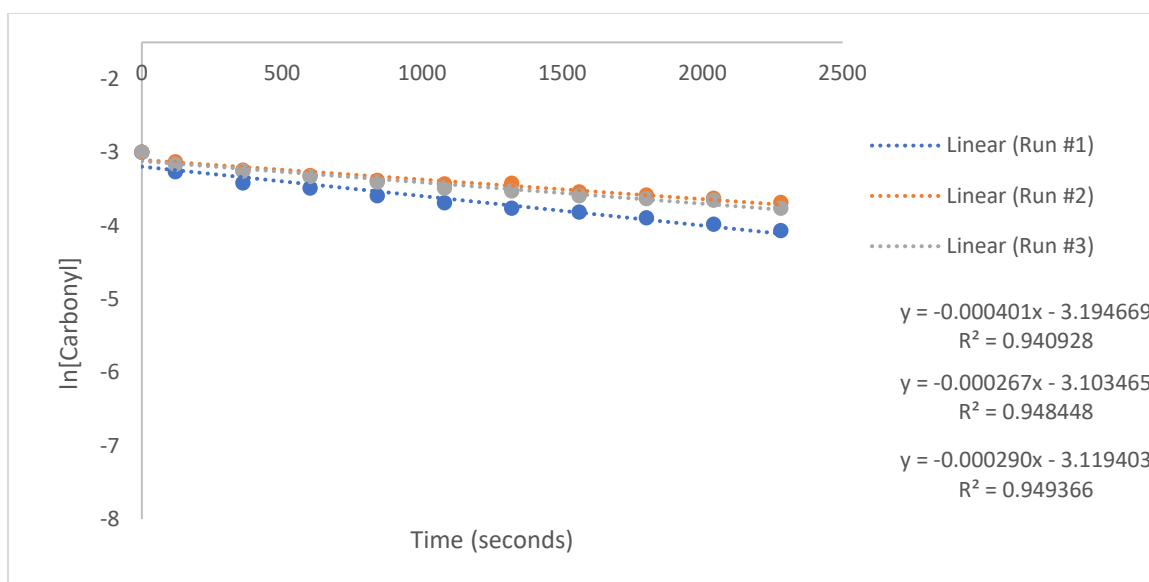


Figure 37: Linear regression of the decrease in concentration of thiophene-2-carboxaldehyde as it is consumed by Isoniazid.

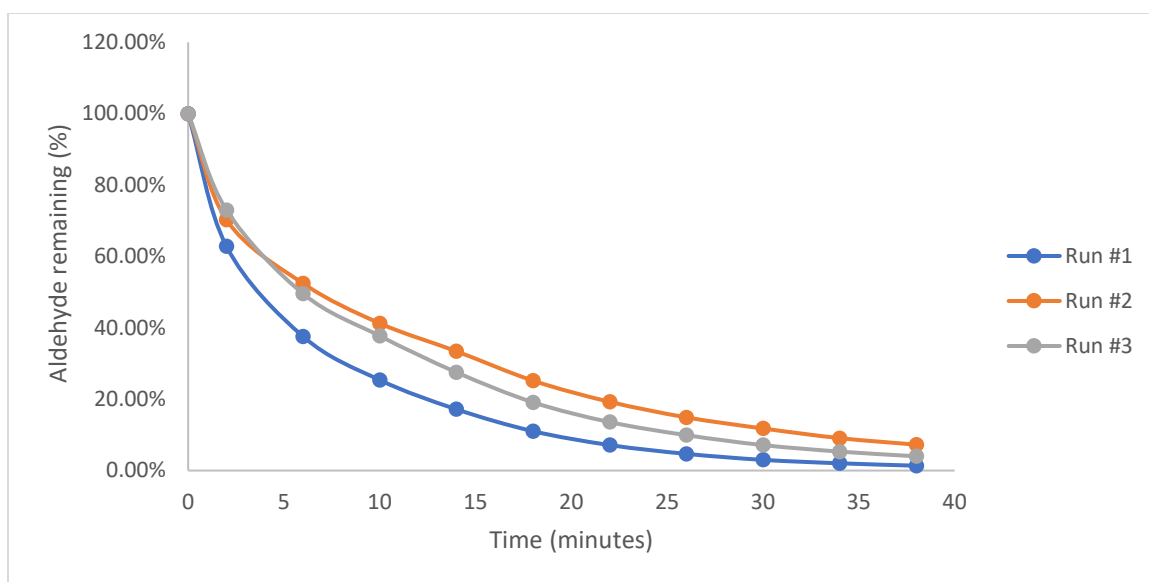


Figure 38: Percent decrease in concentration of furan-3-carboxaldehyde as it is consumed by Isoniazid.

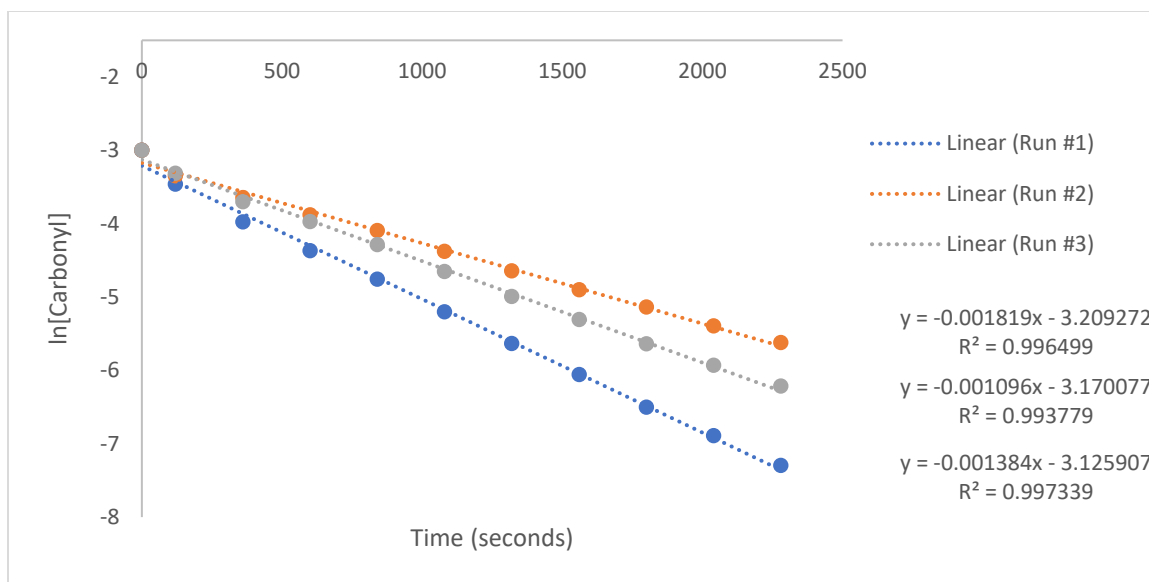


Figure 39: Linear regression of the decrease in concentration of furan-3-carboxaldehyde as it is consumed by Isoniazid.

To test the selectivity of Isoniazid for aldehydes over ketones and esters, four ketones, two esters and ethyl acetoacetate, a hybrid containing both ketone and ester functional groups, were analyzed. The four ketones analyzed were 2-octanone, cyclohexanone, acetophenone, and benzophenone. Due to the expected slower reactivity of ketones and esters these samples were initially analyzed over a larger length of time (1 injection approximately every 30 minutes).

Hydrazone formation was observed for reaction of 2-octanone with Isoniazid but with a rate constant of $-0.00004363 \text{ s}^{-1} \pm 0.00000548$ the reaction rate is approximately ten times slower than that of benzaldehyde and Isoniazid. Acetophenone and benzophenone both showed a negligible decrease in carbonyl concentration. Cyclohexanone and ethyl acetoacetate both showed much higher reaction rates and the reaction conditions were modified to increase the sampling rate. Cyclohexanone was analyzed on the same time

scale as aldehydes, the rate constant was calculated as $-0.00084648 \text{ s}^{-1} \pm 0.00001779$, which is more than twice as high as that of benzaldehyde and Isoniazid. Cyclohexanone's faster rate of reaction is likely due to the lack of resonance support for the carbonyl and that in the chair conformer the carbonyl has less steric hindrance than that of 2-octanone and some of the other carbonyls analyzed in this project. The methodology for the analysis of ethyl acetoacetate was modified so that an aliquot was injected every 12 minutes. Data from these analyses shows that the reaction between ethyl acetoacetate and Isoniazid while faster than most of the ketones analyzed has a slightly slower rate of reaction than most of the aldehydes tested. The increased reaction rate is due to a lack of conjugation and the inductive effect of the ester. Analysis of butyl acetate and methyl benzoate showed no decrease in carbonyl concentration.

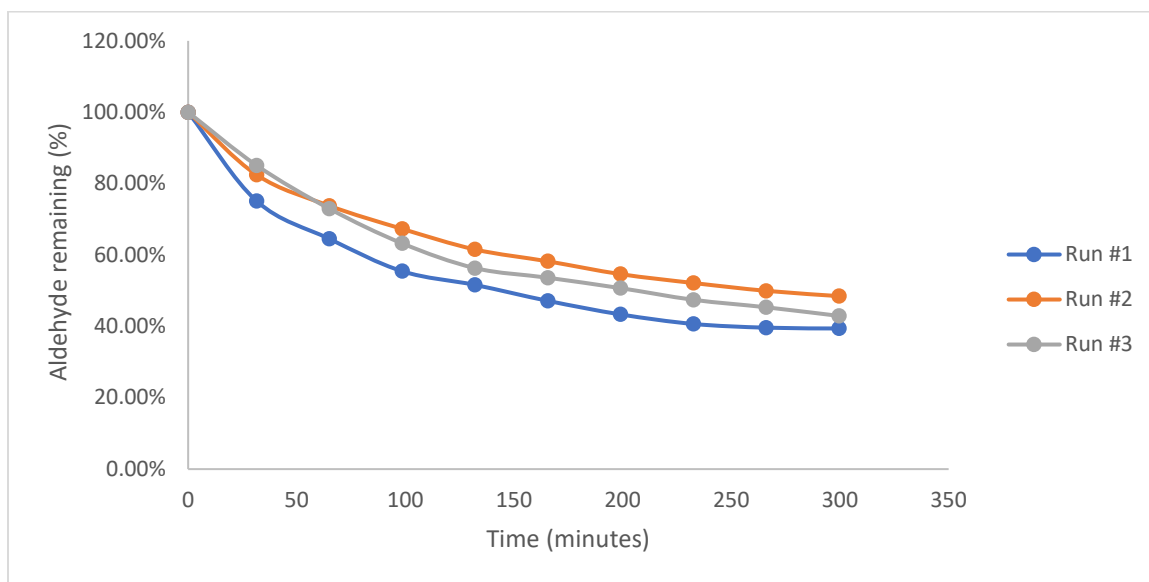


Figure 40: Percent decrease in concentration of 2-octanone as it is consumed by Isoniazid.

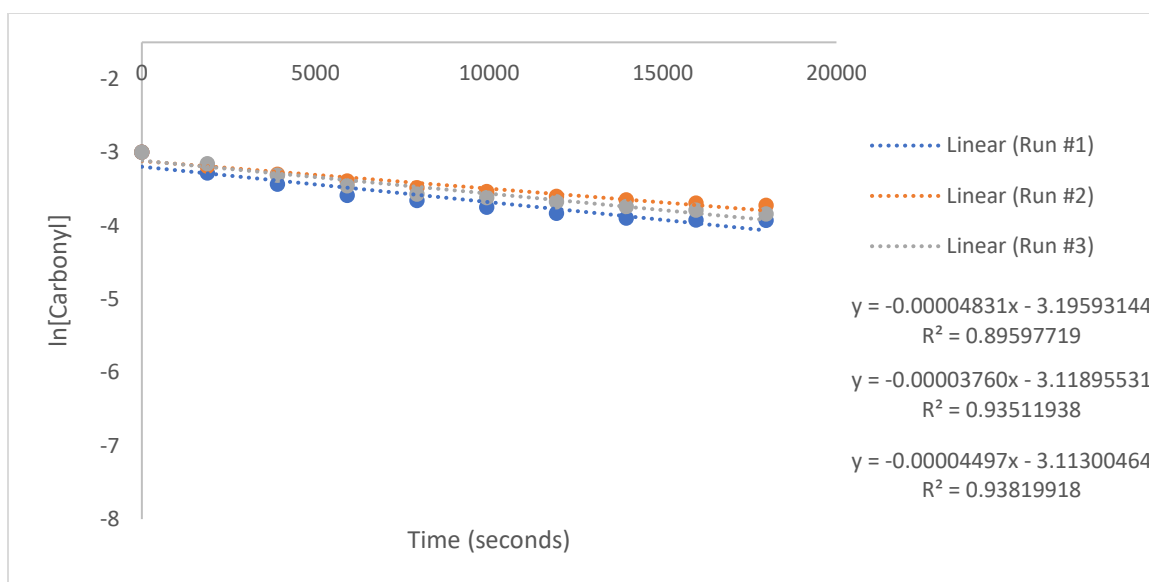


Figure 41: Linear regression of the decrease in concentration of 2-octanone as it is consumed by Isoniazid.

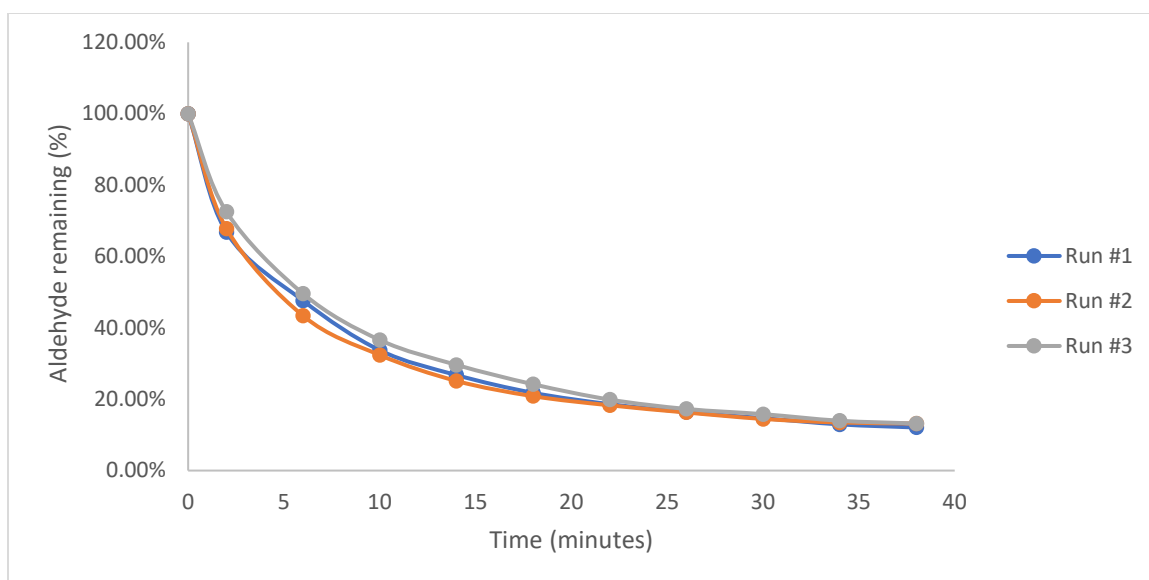


Figure 42: Percent decrease in concentration of cyclohexanone as it is consumed by Isoniazid.

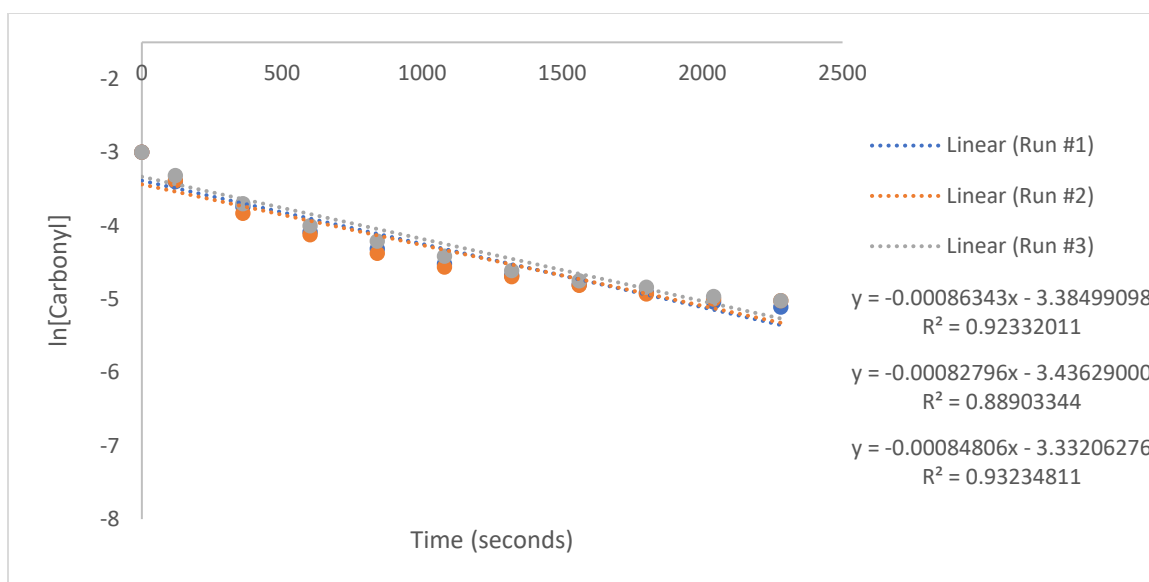


Figure 43: Linear regression of the decrease in concentration of cyclohexanone as it is consumed by Isoniazid.

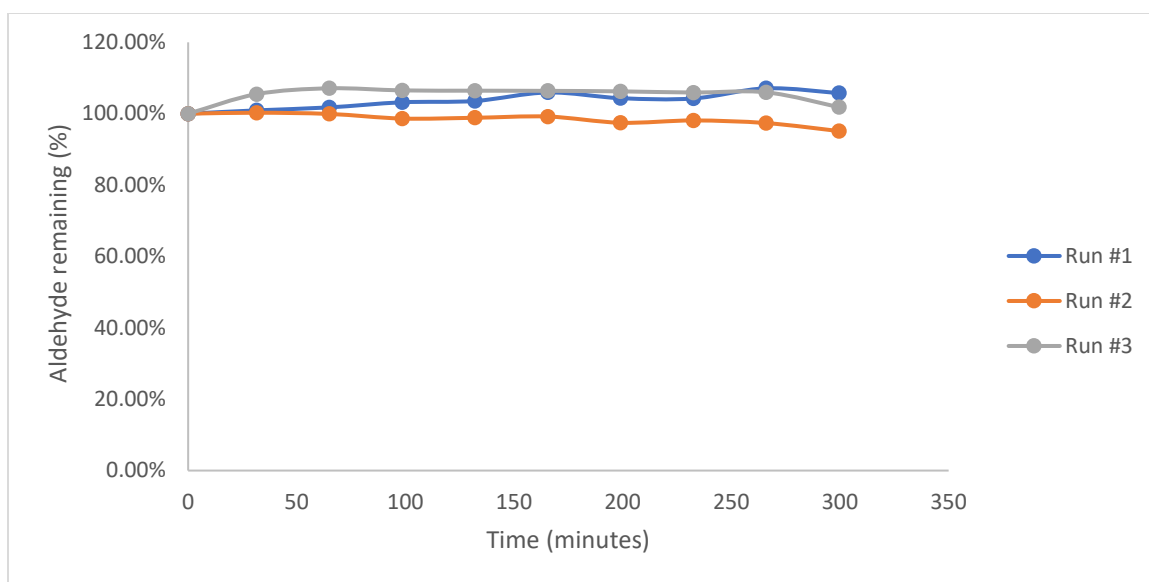


Figure 44: Percent decrease in concentration of acetophenone as it is consumed by Isoniazid.

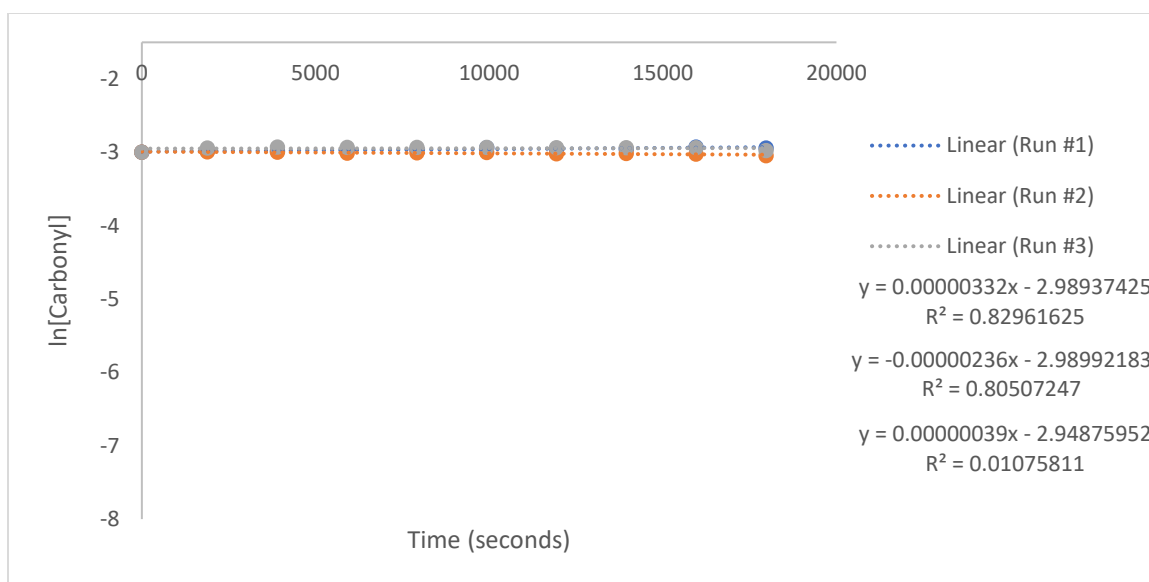


Figure 45: Linear regression of the decrease in concentration of acetophenone as it is consumed by Isoniazid.

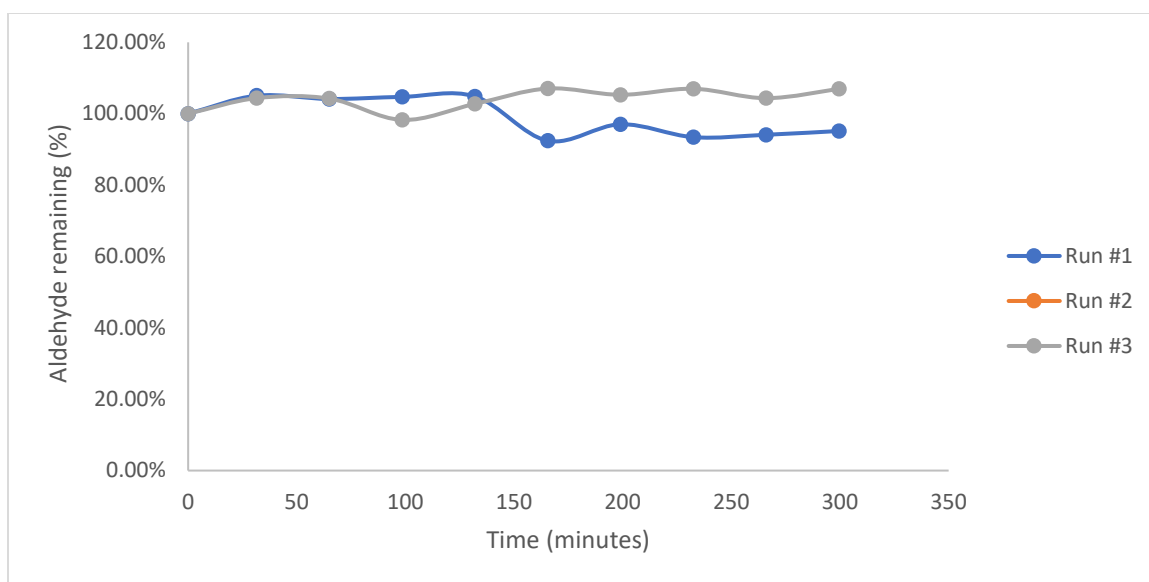


Figure 46: Percent decrease in concentration of benzophenone as it is consumed by Isoniazid.

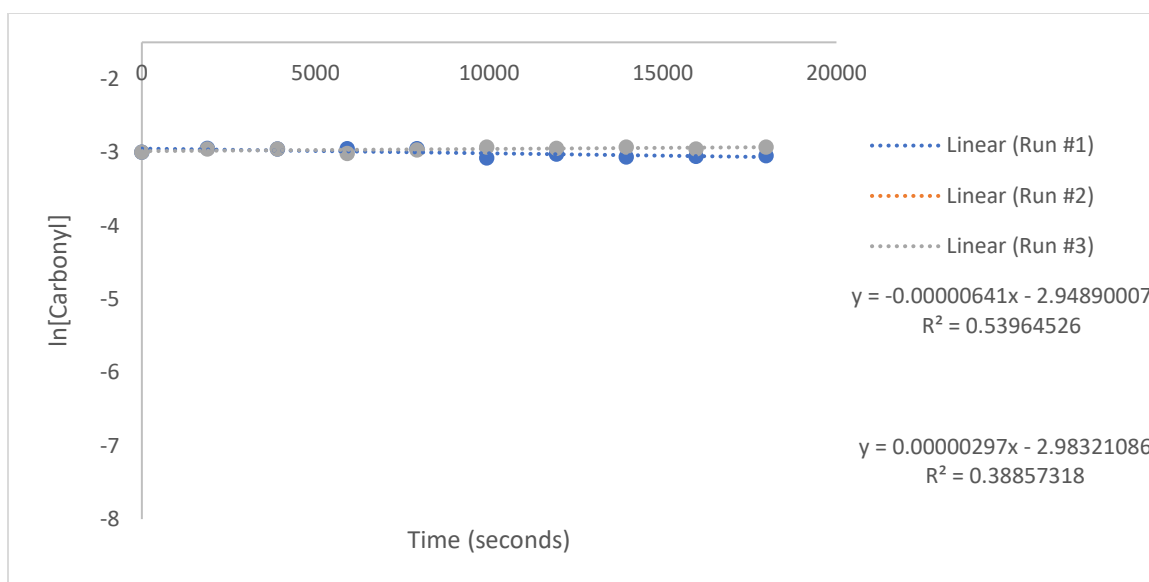


Figure 47: Linear regression of the decrease in concentration of benzophenone as it is consumed by Isoniazid

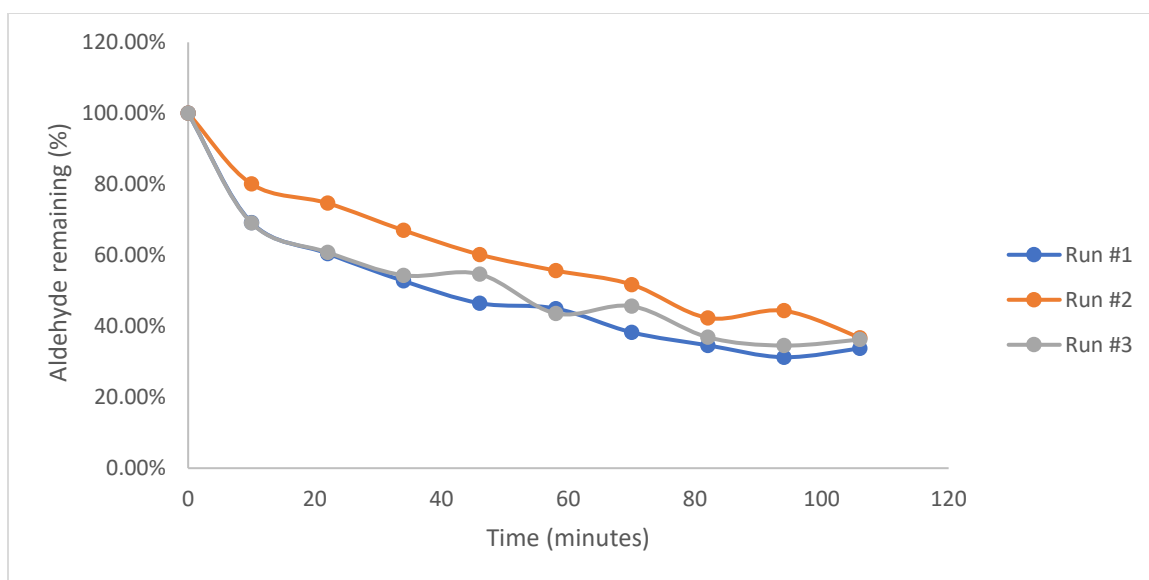


Figure 48: Percent decrease in concentration of ethyl acetoacetate as it is consumed by Isoniazid.

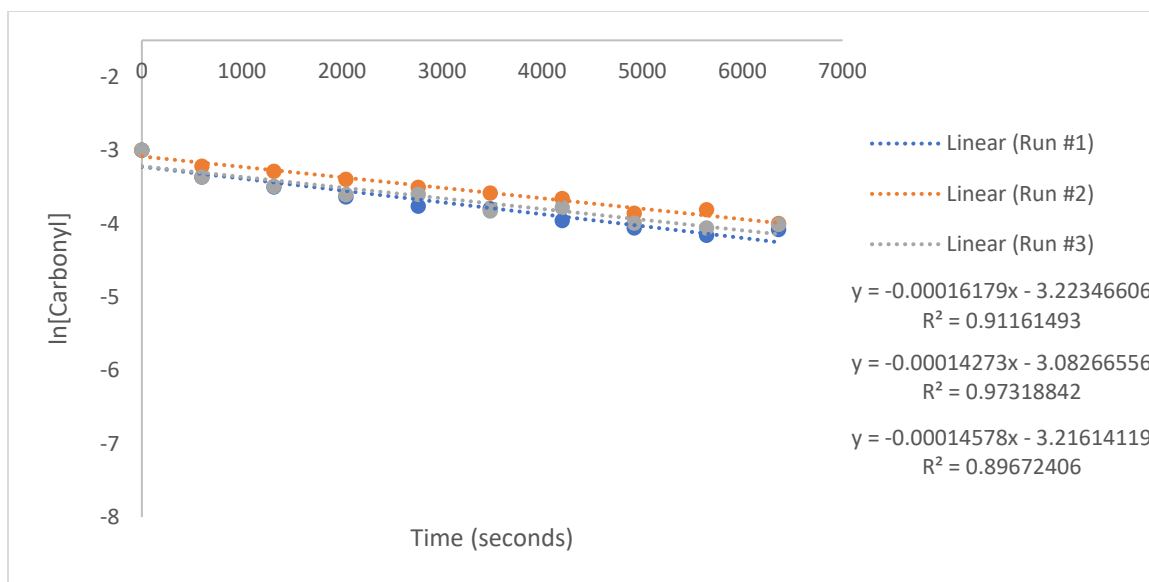


Figure 49: Linear regression of the decrease in concentration of ethyl acetoacetate as it is consumed by Isoniazid.

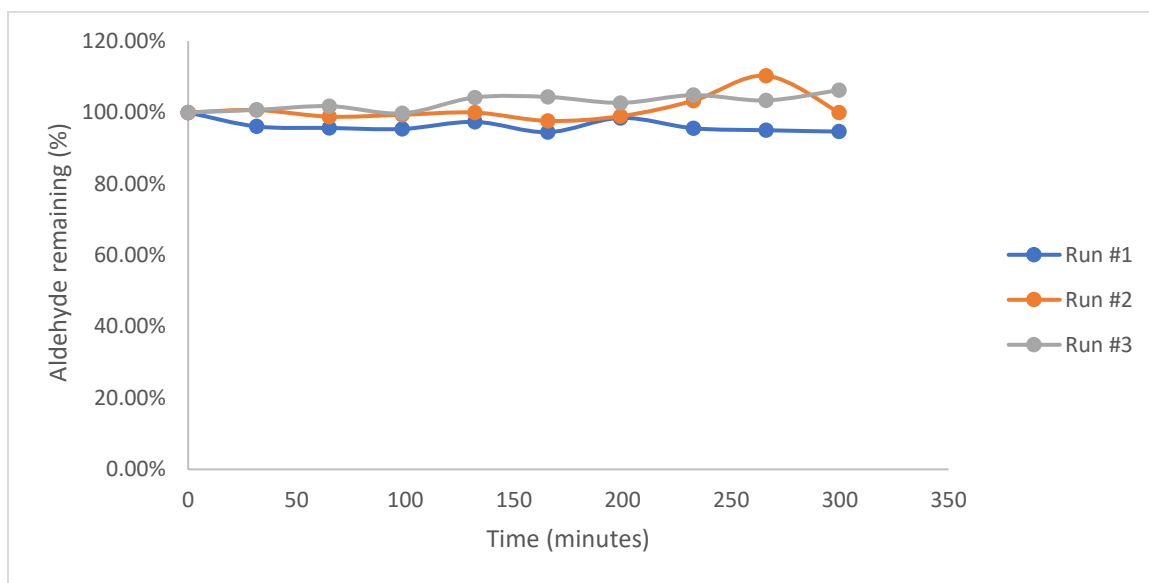


Figure 50: Percent decrease in concentration of butyl acetate as it is consumed by Isoniazid.

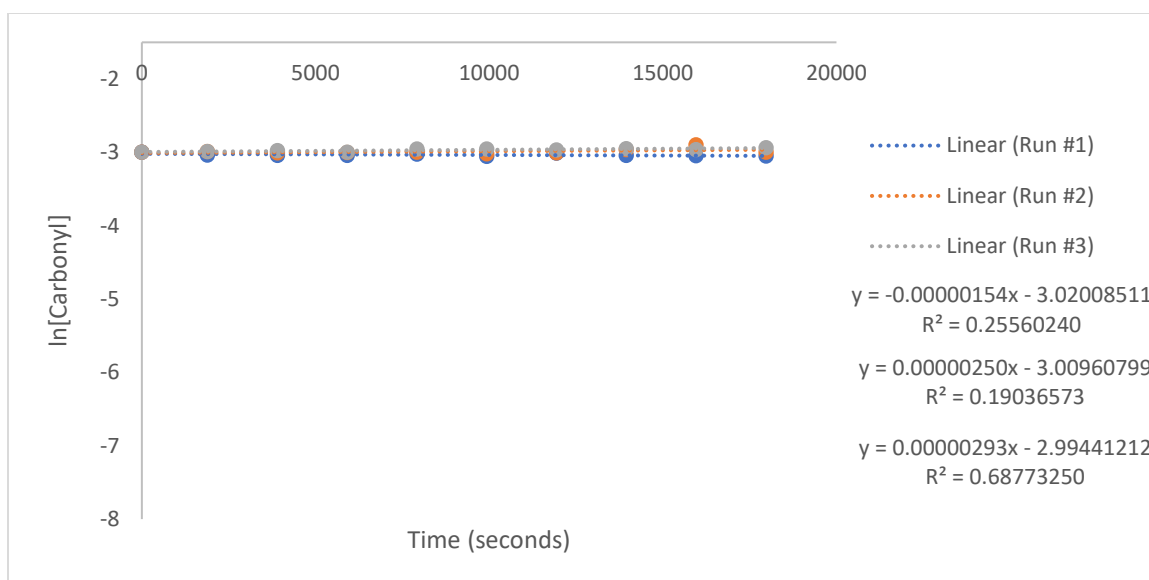


Figure 51: Linear regression of the decrease in concentration of butyl acetate as it is consumed by Isoniazid

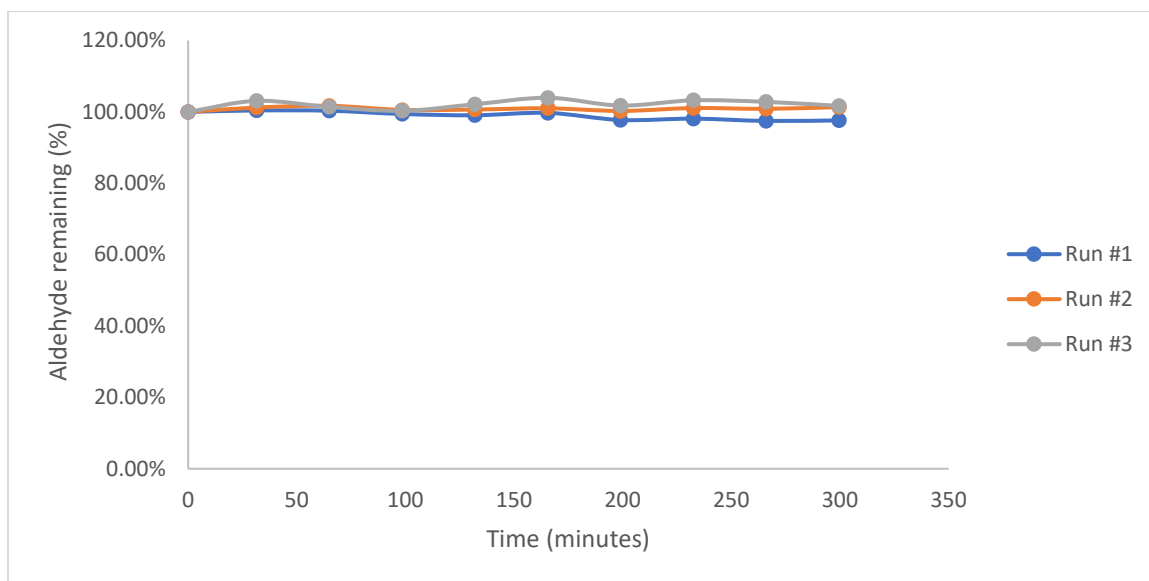


Figure 52: Percent decrease in concentration of methyl benzoate as it is consumed by Isoniazid.

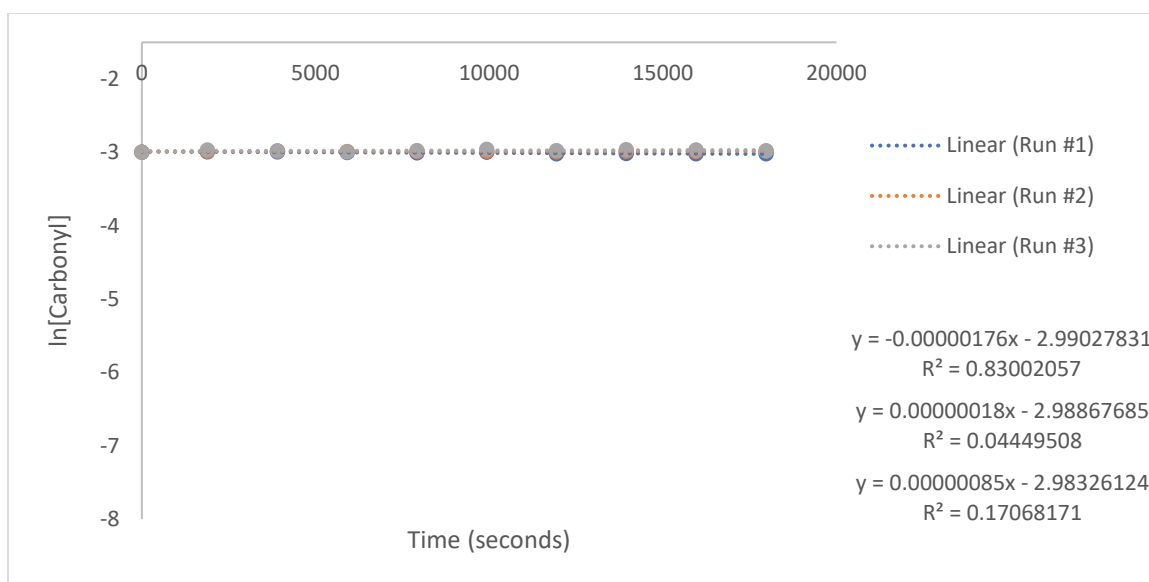


Figure 53: Linear regression of the decrease in concentration of methyl benzoate as it is consumed by Isoniazid.

Table 5: Rate constants and R^2 values for reaction of carbonyls with Isonazid.

Carbonyl	Mean Rate Constant k (s^{-1})	k Carbonyl/ k Benzaldehyde	Mean R^2
Benzaldehyde	$4.1 \times 10^{-4} \pm 5 \times 10^{-5}$	1.00	$0.9896 \pm 7 \times 10^{-3}$
4-Nitrobenzaldehyde	$2.4 \times 10^{-3} \pm 5 \times 10^{-4}$	5.73	$0.9917 \pm 6 \times 10^{-3}$
4-Cyanobenzaldehyde	$1.4 \times 10^{-3} \pm 3 \times 10^{-4}$	3.41	$0.9827 \pm 1 \times 10^{-2}$
4-Bromobenzaldehyde	$5.8 \times 10^{-4} \pm 9 \times 10^{-5}$	1.42	$0.9709 \pm 1 \times 10^{-2}$
4-Methylbenzaldehyde	$1.4 \times 10^{-4} \pm 2 \times 10^{-5}$	0.34	$0.9492 \pm 3 \times 10^{-2}$
4-Methoxy benzaldehyde	$4.7 \times 10^{-4} \pm 5 \times 10^{-5}$	1.14	$0.9365 \pm 5 \times 10^{-2}$
3-Methoxy benzaldehyde	$7.3 \times 10^{-4} \pm 5 \times 10^{-5}$	1.78	$0.9807 \pm 2 \times 10^{-2}$
2-Methoxy benzaldehyde	$2.6 \times 10^{-3} \pm 6 \times 10^{-4}$	6.30	$0.9904 \pm 3 \times 10^{-3}$
<i>trans</i> -Cinnamaldehyde	$8.4 \times 10^{-4} \pm 8 \times 10^{-5}$	2.06	$0.9038 \pm 2 \times 10^{-2}$
Dihydrocinnamaldehyde	$1.5 \times 10^{-3} \pm 6 \times 10^{-4}$	3.68	$0.8943 \pm 8 \times 10^{-2}$
Thiophene-2- carboxaldehyde	$3.2 \times 10^{-4} \pm 7 \times 10^{-5}$	0.78	$0.9463 \pm 5 \times 10^{-3}$
Furan-3-carboxaldehyde	$1.4 \times 10^{-3} \pm 4 \times 10^{-4}$	3.50	$0.9959 \pm 2 \times 10^{-2}$
2-Octanone	$4.4 \times 10^{-5} \pm 6 \times 10^{-6}$	0.11	$0.9231 \pm 2 \times 10^{-2}$
Cyclohexanone	$8.5 \times 10^{-4} \pm 2 \times 10^{-5}$	2.06	$0.9149 \pm 2 \times 10^{-2}$
Acetophenone	$4.5 \times 10^{-7} \pm 3 \times 10^{-6}$	0.00	0.5484 ± 0.5
Benzophenone	$4.7 \times 10^{-6} \pm 2 \times 10^{-6}$	0.01	0.4641 ± 0.1
Ethyl Acetoacetate	$1.5 \times 10^{-4} \pm 1 \times 10^{-5}$	0.37	$0.9272 \pm 4 \times 10^{-2}$
Butyl acetate	$1.3 \times 10^{-6} \pm 3 \times 10^{-6}$	0.00	0.3779 ± 0.3
Methyl benzoate	$2.4 \times 10^{-7} \pm 1 \times 10^{-6}$	0.00	0.3484 ± 0.4

These analyses indicate that Isoniazid has a high rate of hydrazone formation when reacted with aldehydes and that while not always significantly selective for aldehydes over aliphatic ketones it is selective for aldehydes over aryl ketones due to the carbonyl of such ketones being deactivated via resonance. Additionally, reaction of Isoniazid is more highly selective for reaction with aldehydes than with esters and is likely the same for carboxylic acids. These results show that Isoniazid is a fast and efficient scavenger of aldehydes and that due to its selectivity for aldehydes over aryl ketones, esters, and likely carboxylic acids, it could be employed in a multitude of reactions.

CHAPTER 4: CONCLUSION

In conclusion, this scavenging synthesis has greatly increased our ability to synthesize new aurone analogs in a timely manner. Now, the preparation of new collections of 40+ compounds can be realistically accomplished in a matter of days, rather than the weeks that were required using conventional purification. It is fully anticipated that this same scavenging approach can be applied to many other reactions of the highly versatile aldehyde functional group, thereby enabling convenient and rapid access to arrays generated by these reactions as well. Further studies are necessary to identify the role of neutral alumina in the reaction. Additionally, optimization of the reaction conditions for the Knoevenagel condensation would increase the ease and speed at which aurones could be prepared.

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Appendix

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NMR Spectra:

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Entry 15	80
Entry 16	81
Entry 17	82

GC-FID Data:

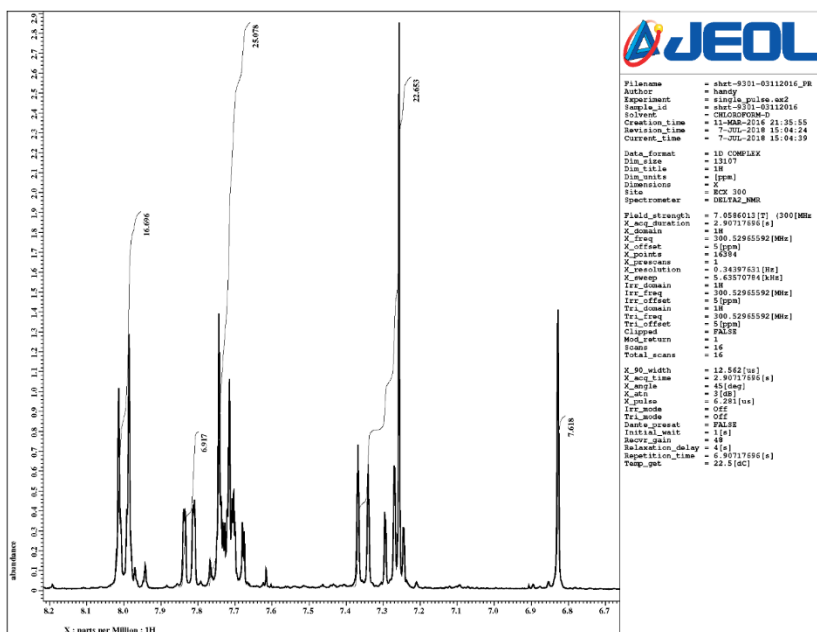
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4-Nitrobenzaldehyde	117
4-Cyanobenzaldehyde	151

4-Bromobenzaldehyde	184
4-Methylbenzaldehyde	217
4-Methoxy benzaldehyde	250
3-Methoxy benzaldehyde	283
2-Methoxy benzaldehyde	316
<i>trans</i> -Cinnamaldehyde	338
Dihydrocinnamaldehyde	371
Thiophene-2-carboxaldehyde	404
Furan-3-carboxaldehyde	444
2-Octanone	477
Cyclohexanone	577
Acetophenone	537
Benzophenone	567
Ethyl Acetoacetate	596
Butyl Acetate	626
Methyl Benzoate	656

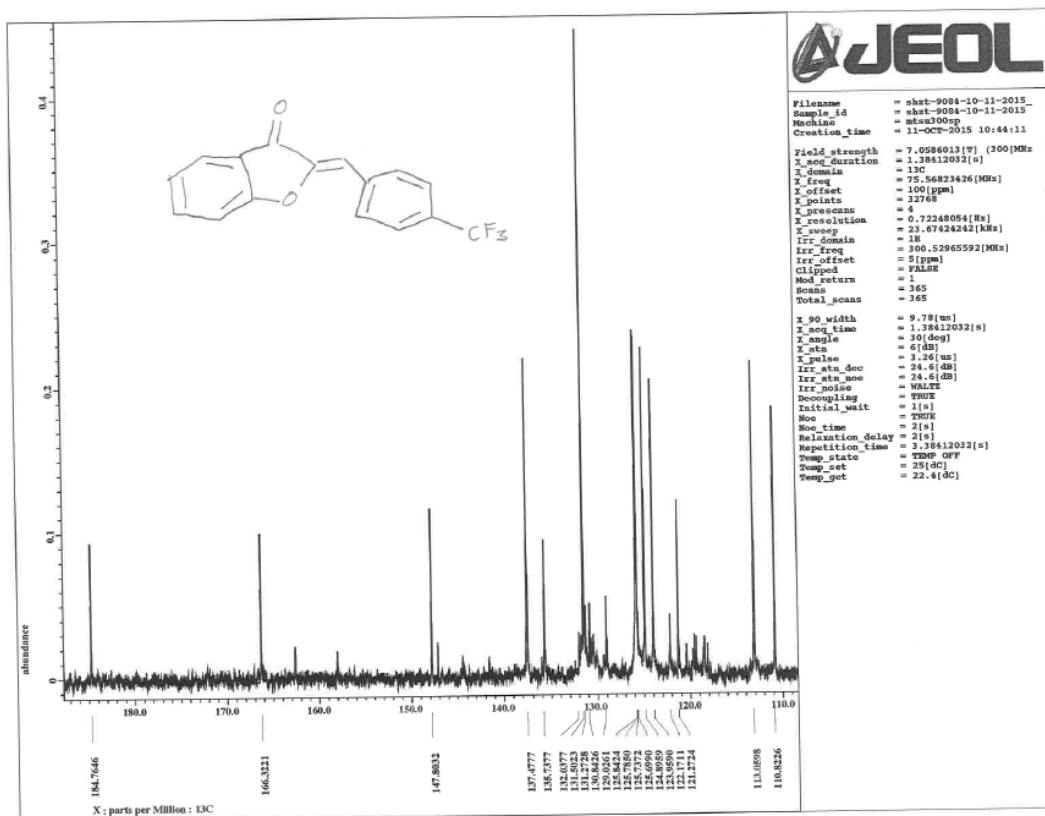
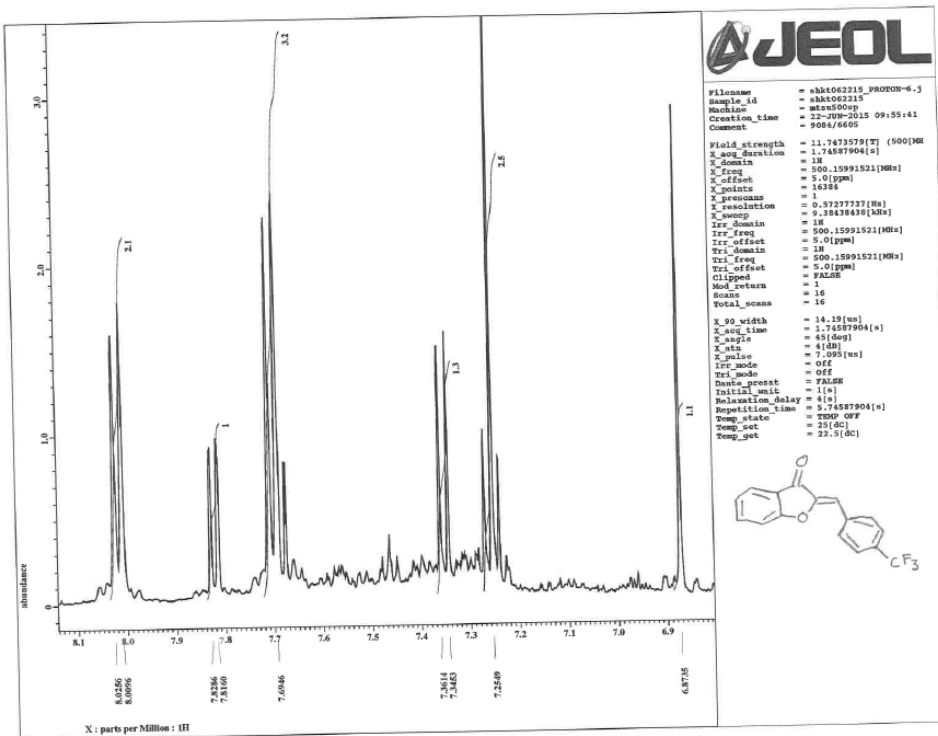
Entries 1A-1D, 10, 11, and 12 have been previously reported by our group in:

Hawkins, I., & Handy, S. T. (2013). Synthesis of aurones under neutral conditions using a deep eutectic solvent. *Tetrahedron*, 69(44), 9200–9204.

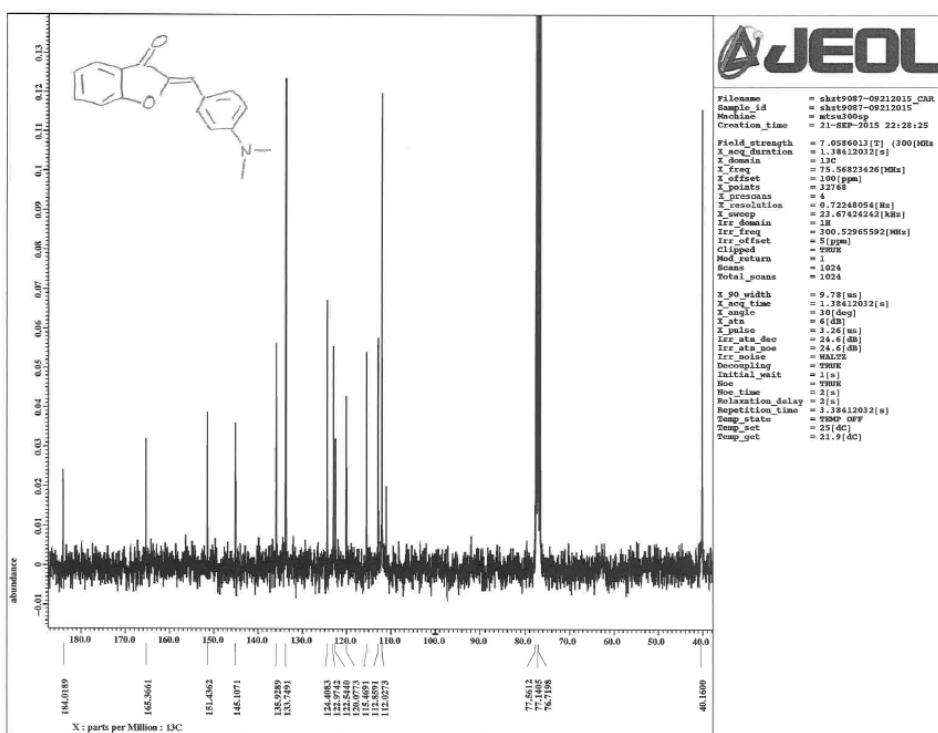
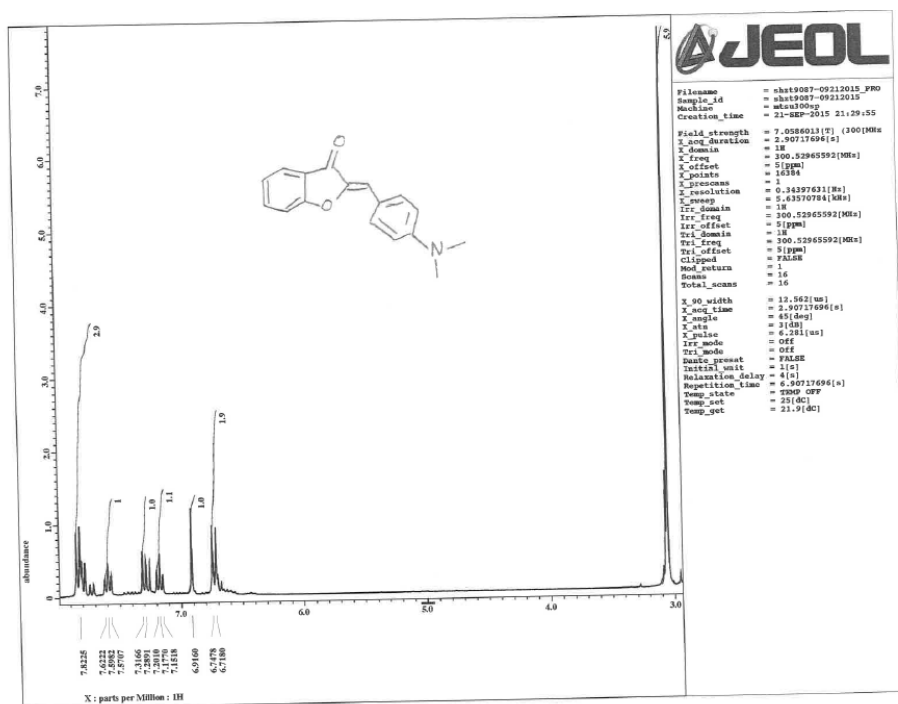
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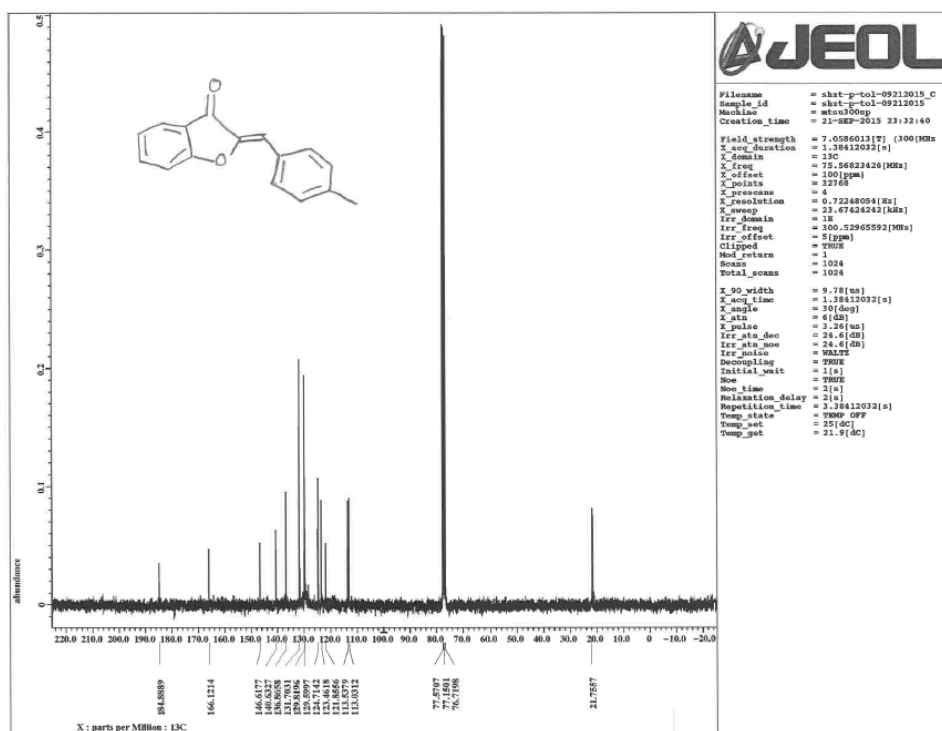
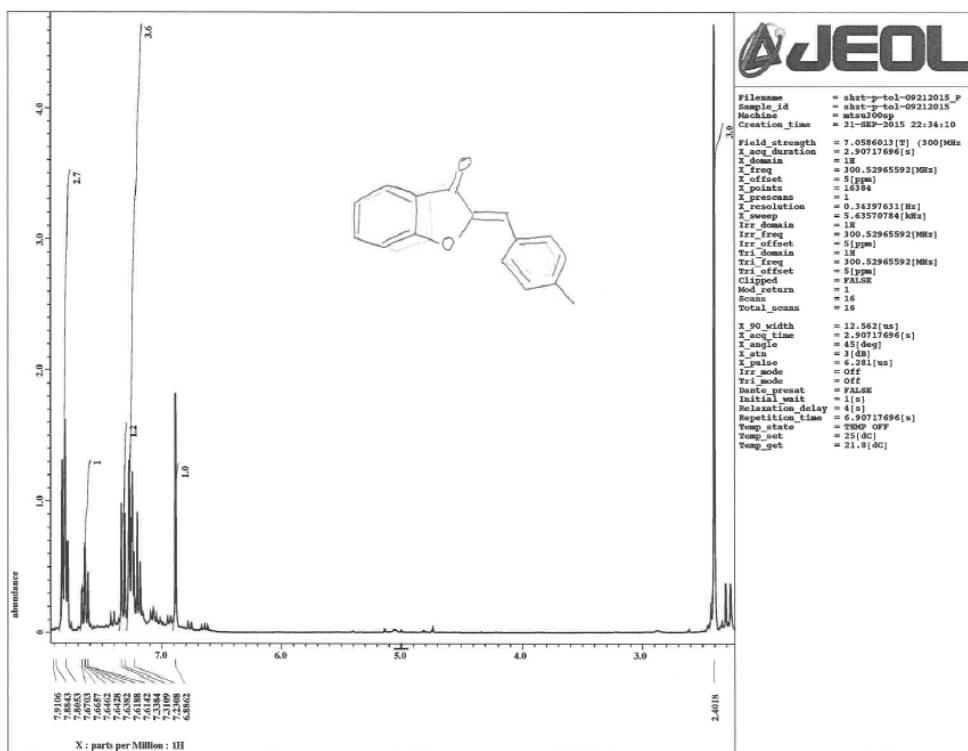
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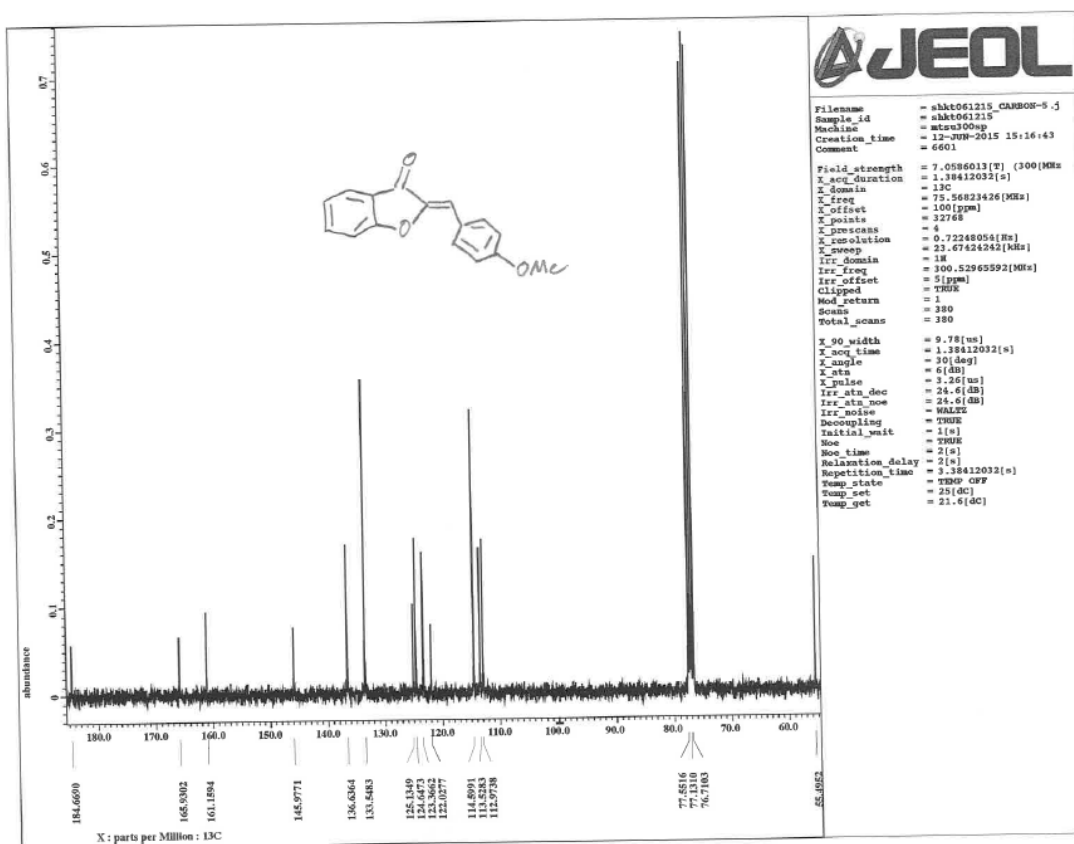
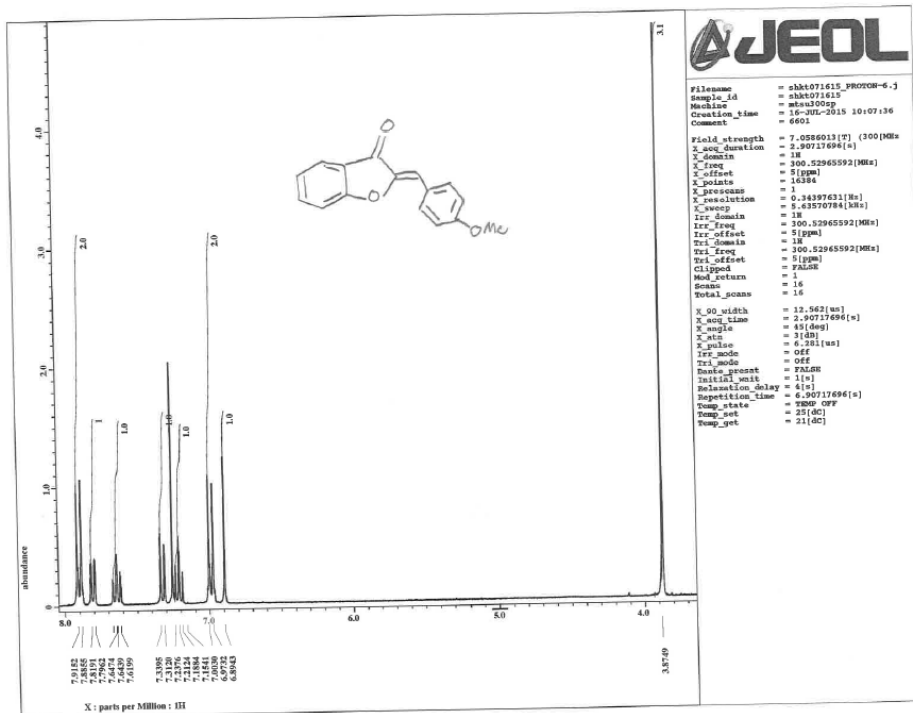
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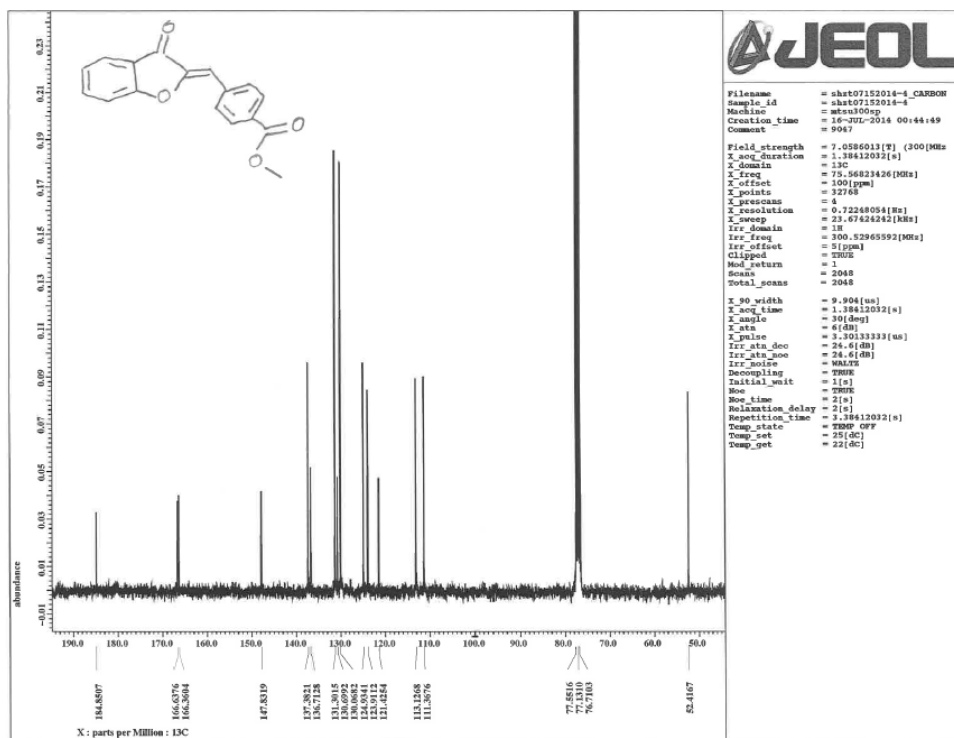
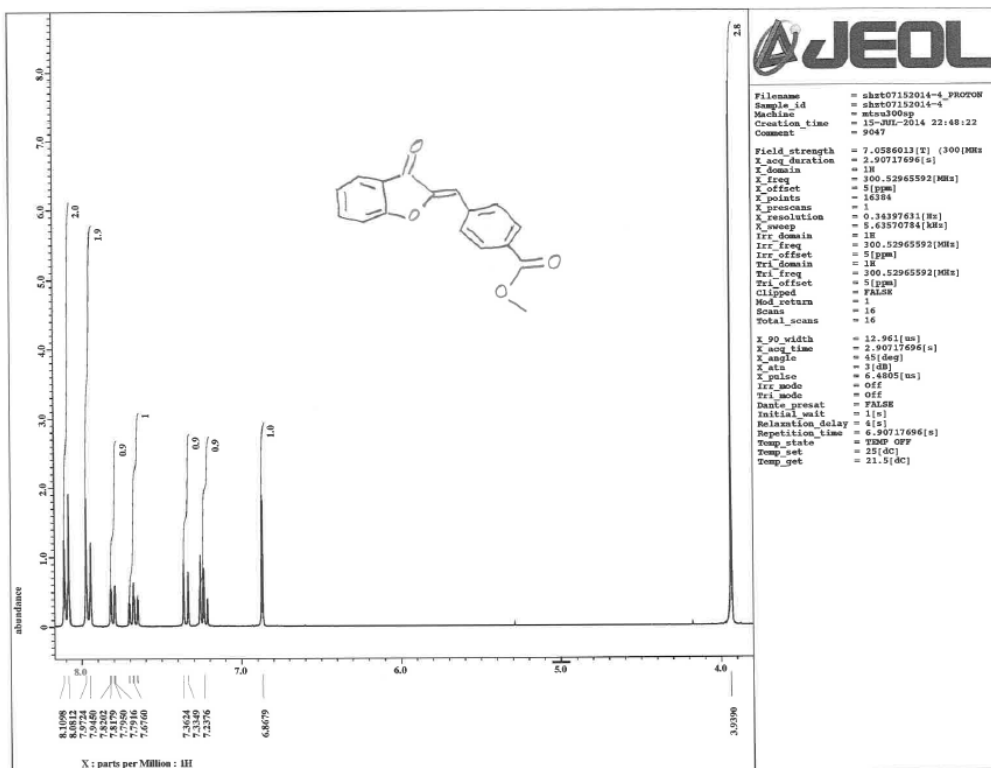
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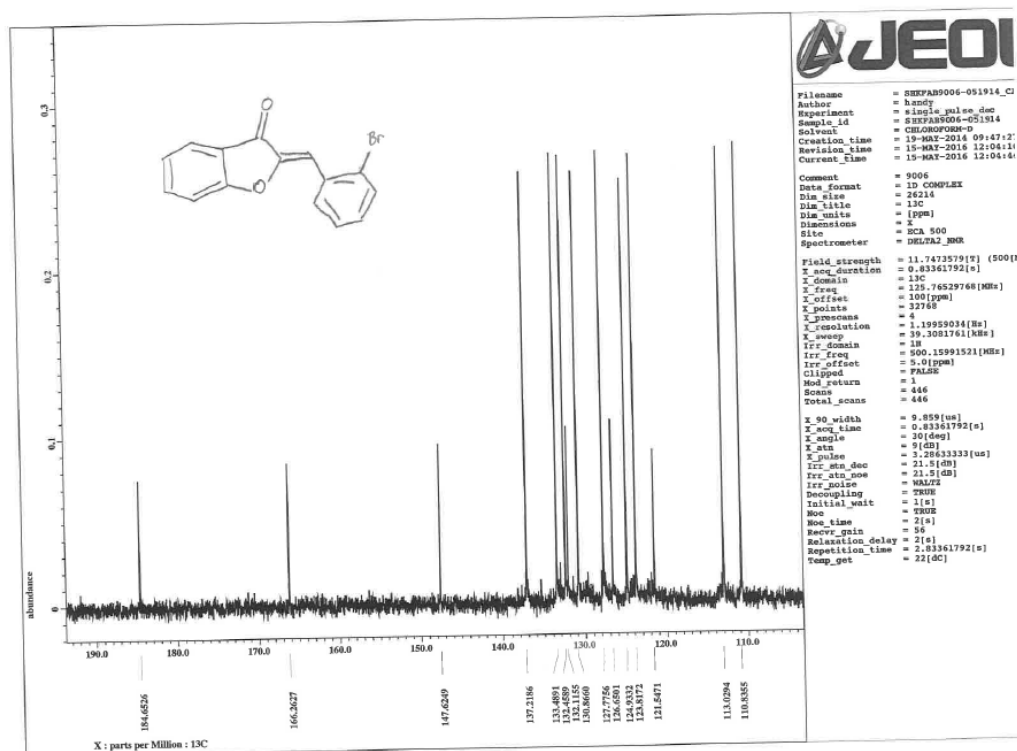
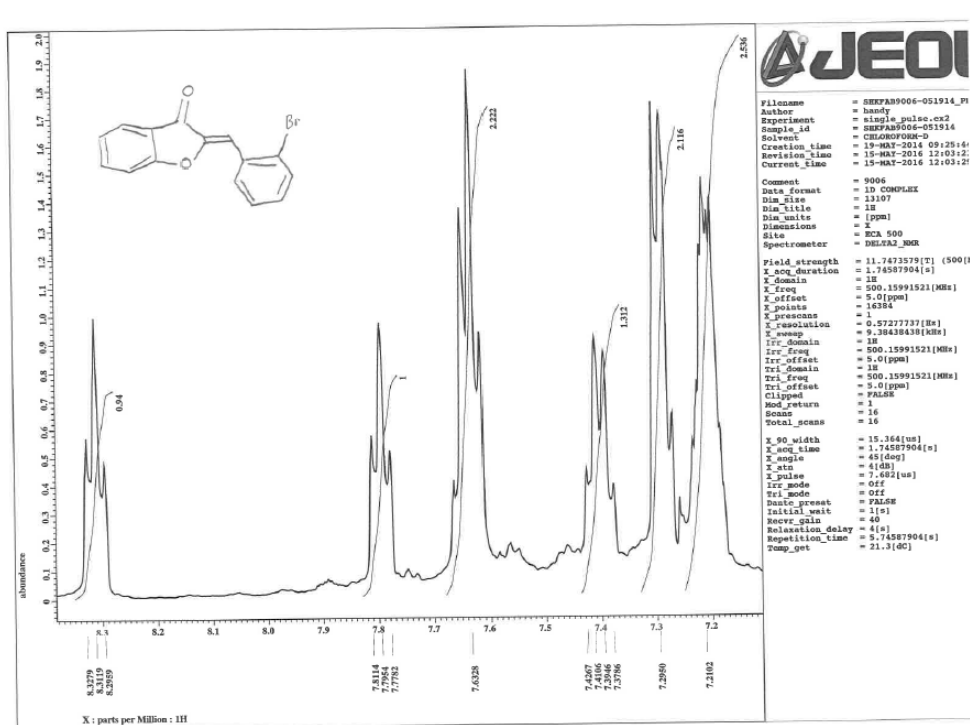
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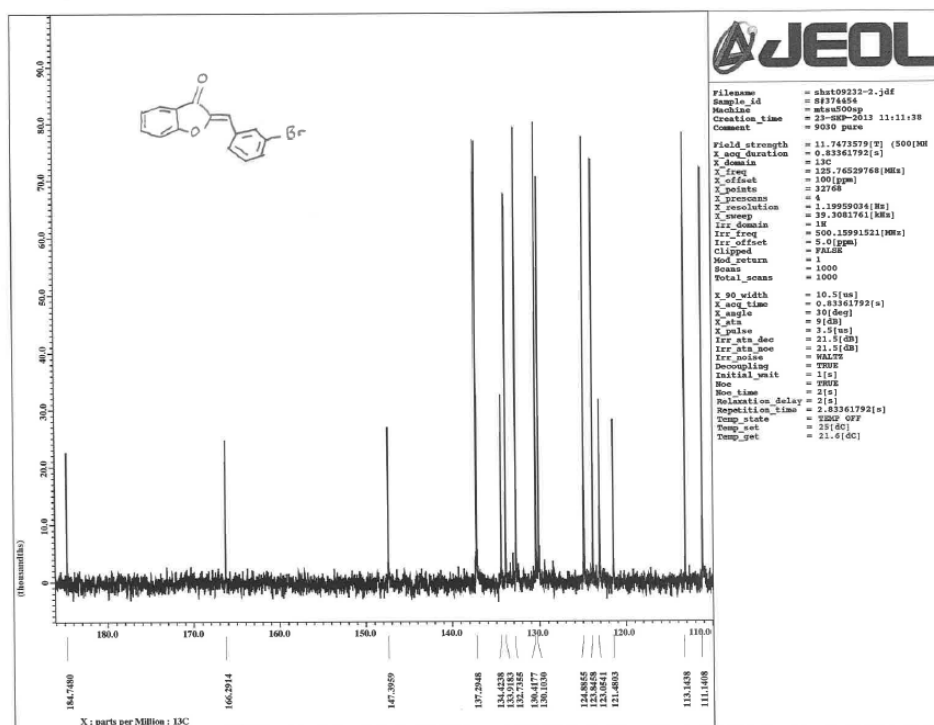
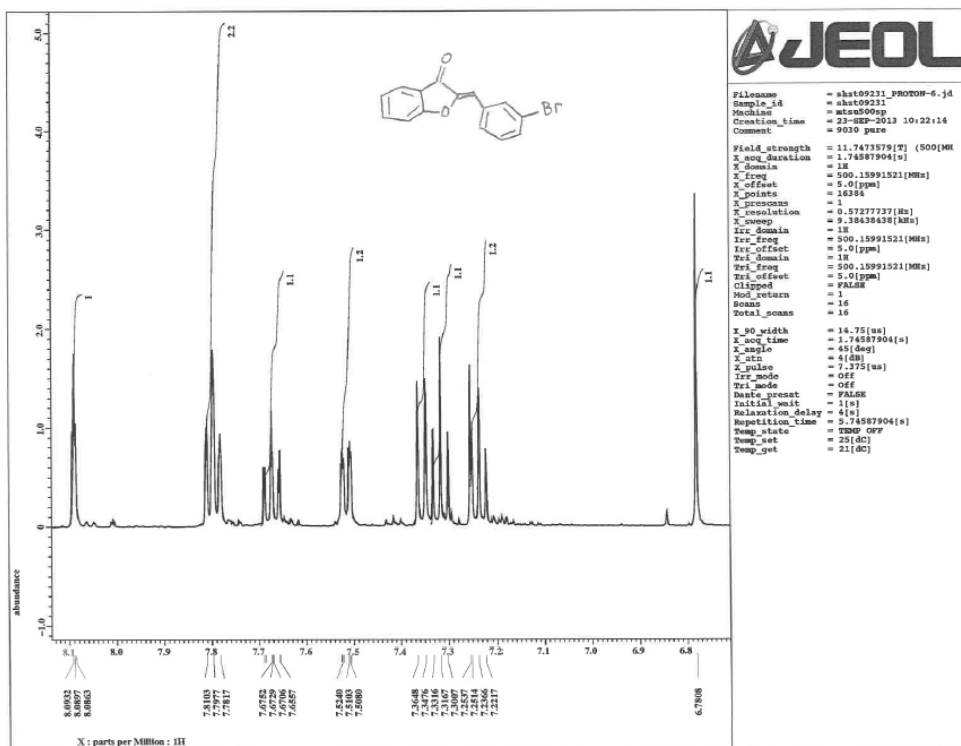
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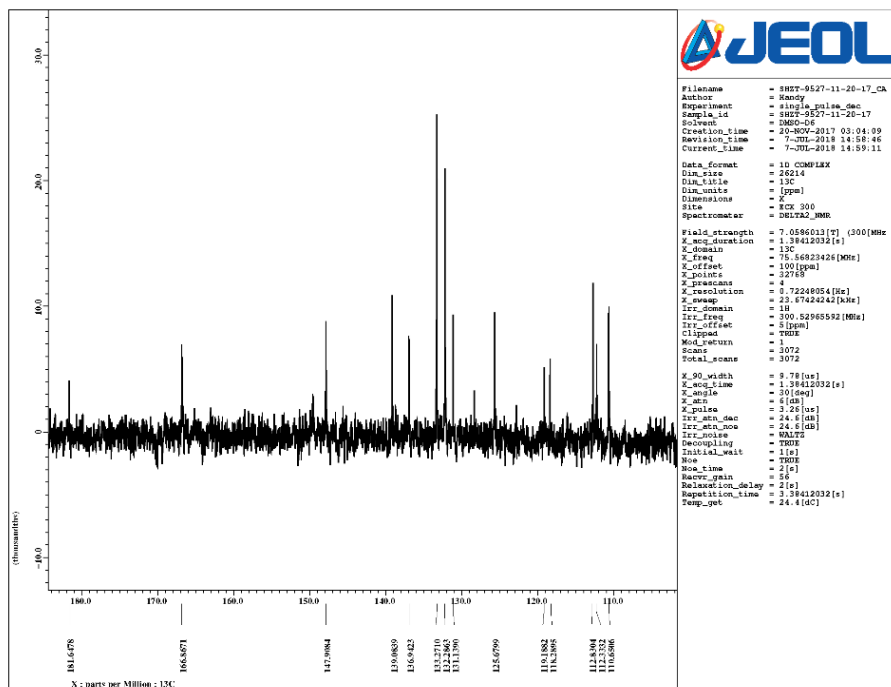
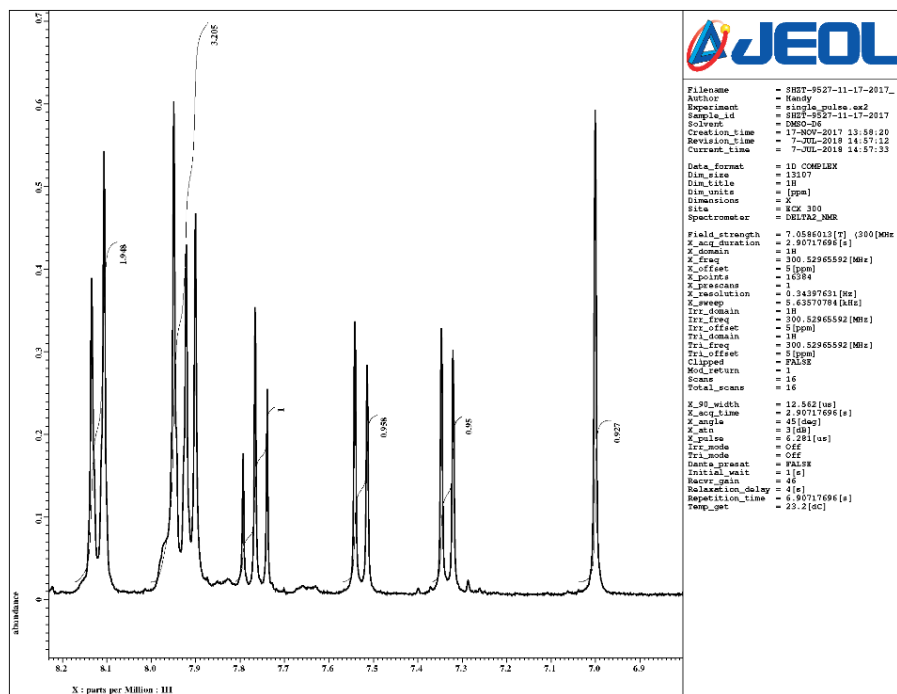
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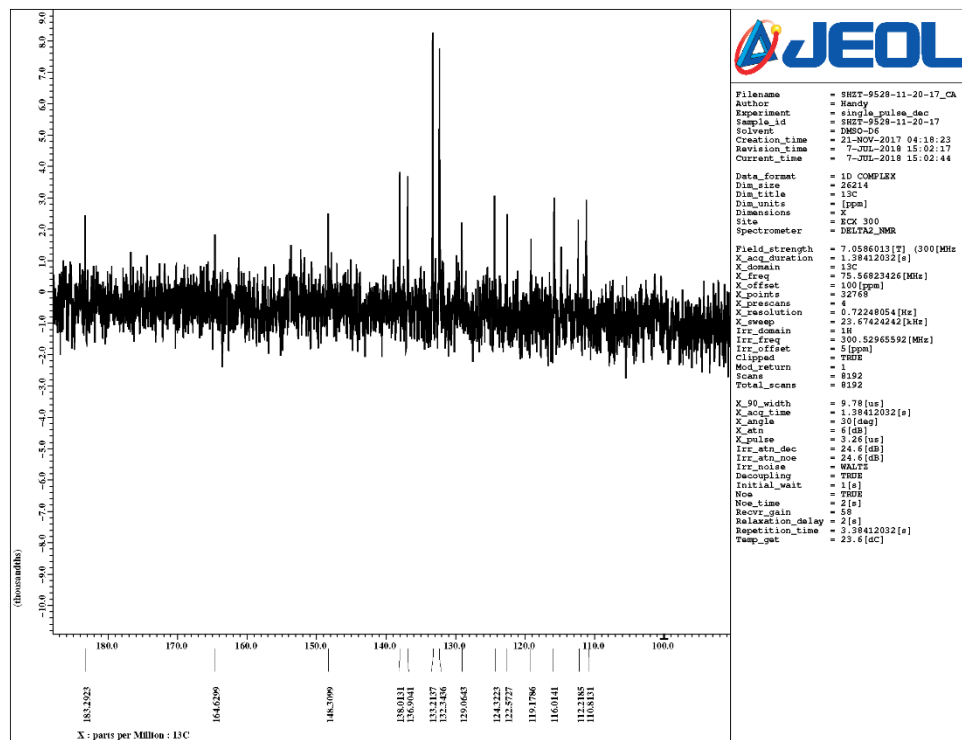
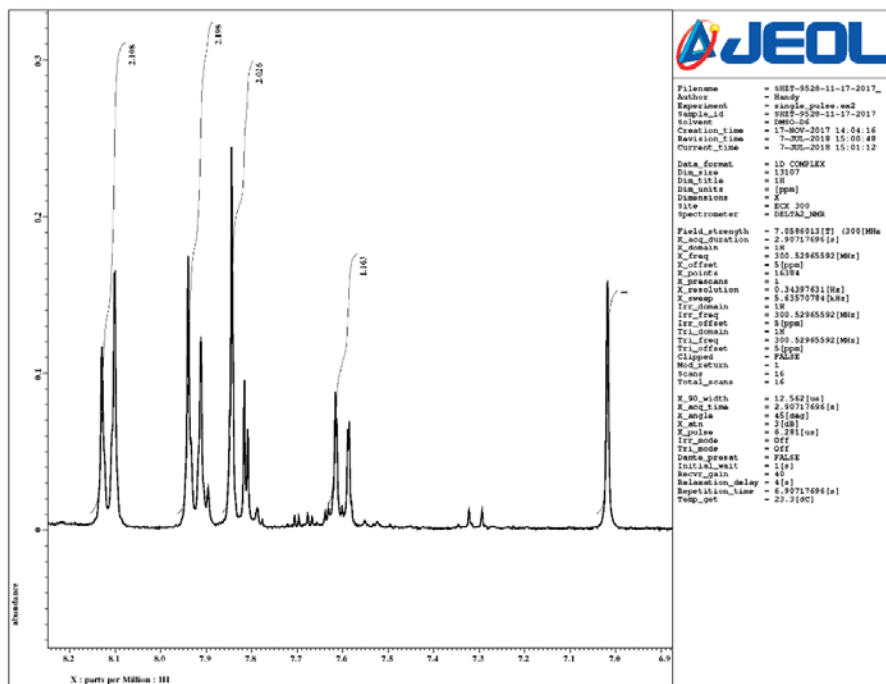
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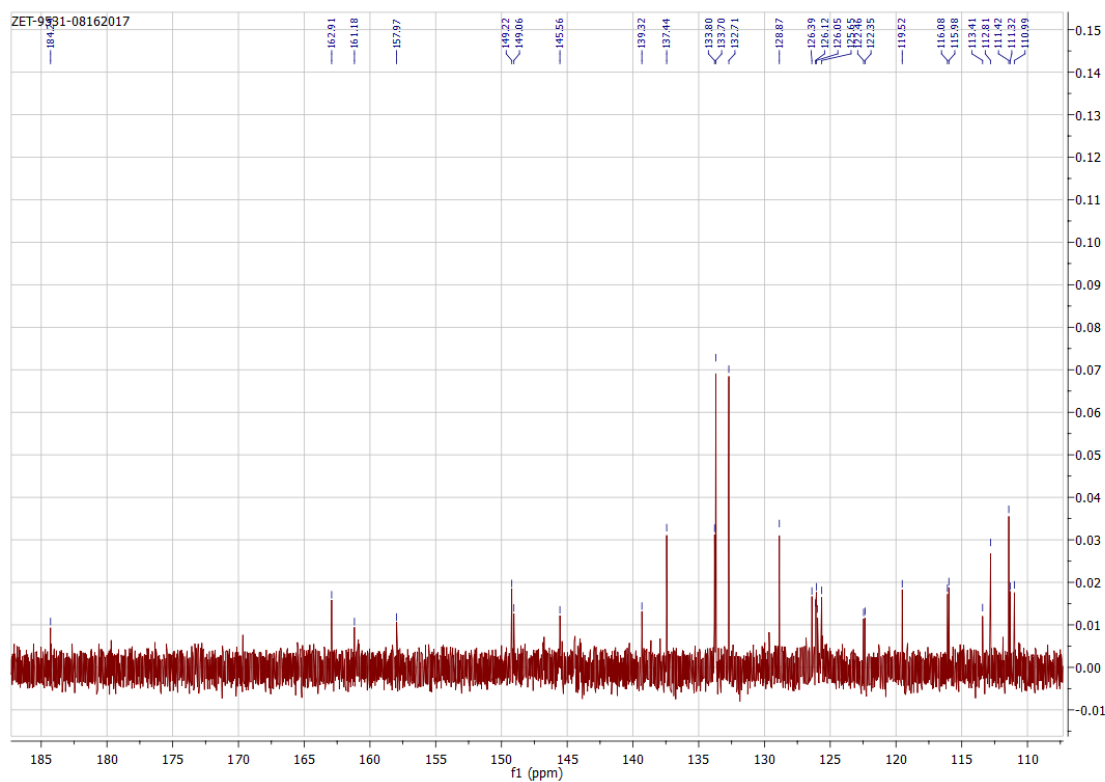
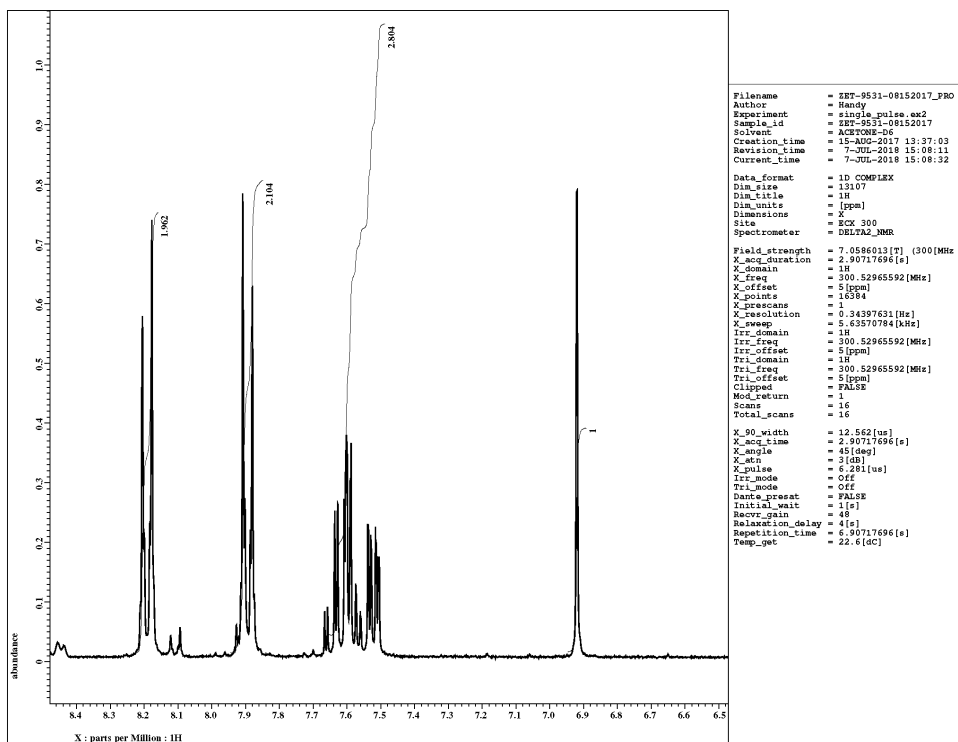
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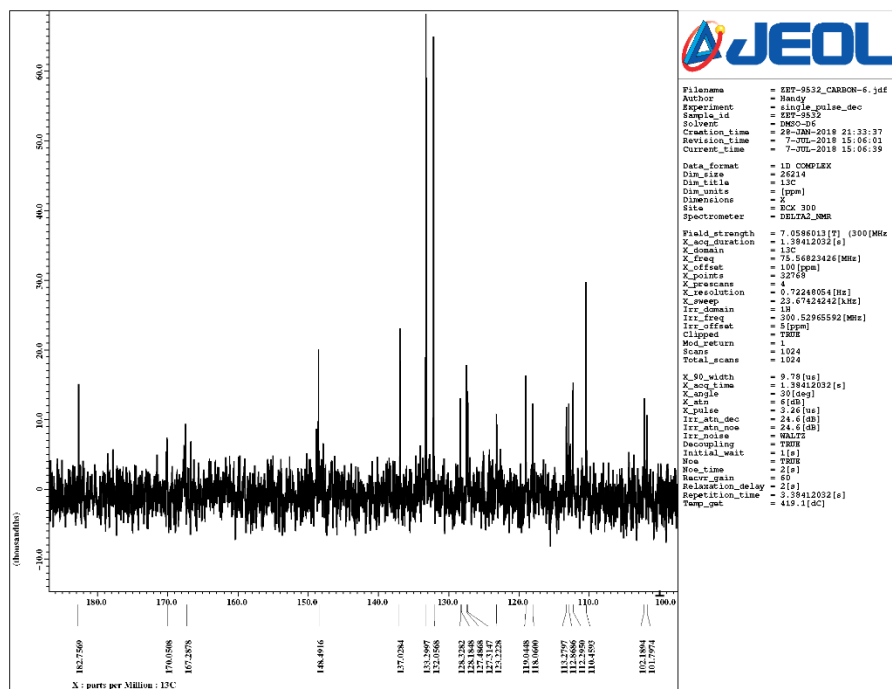
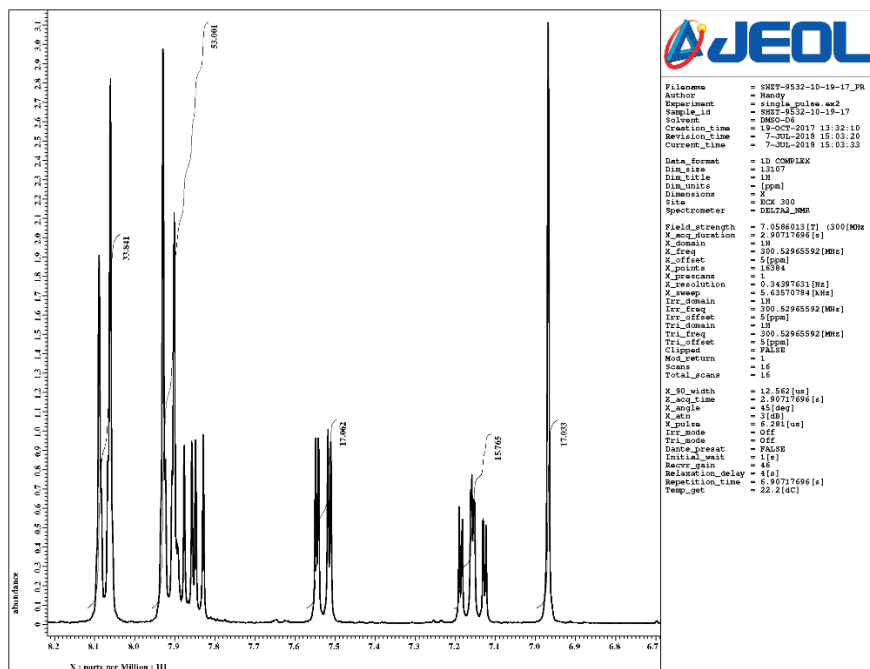
(Z)-4-((5-chloro-3-oxobenzofuran-2(3H)-ylidene)methyl)benzonitrile (Entry 14)



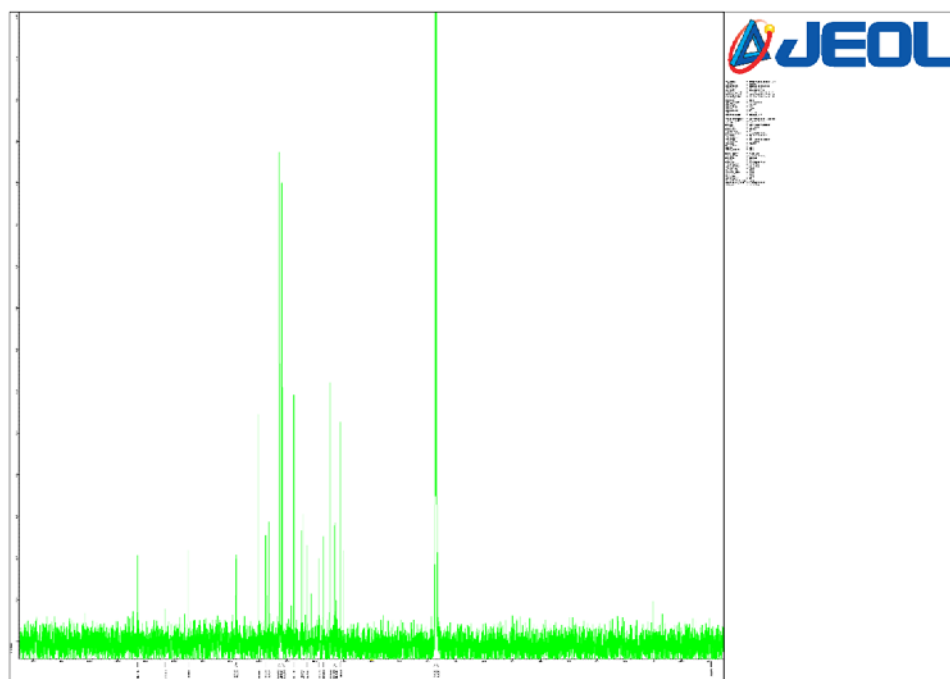
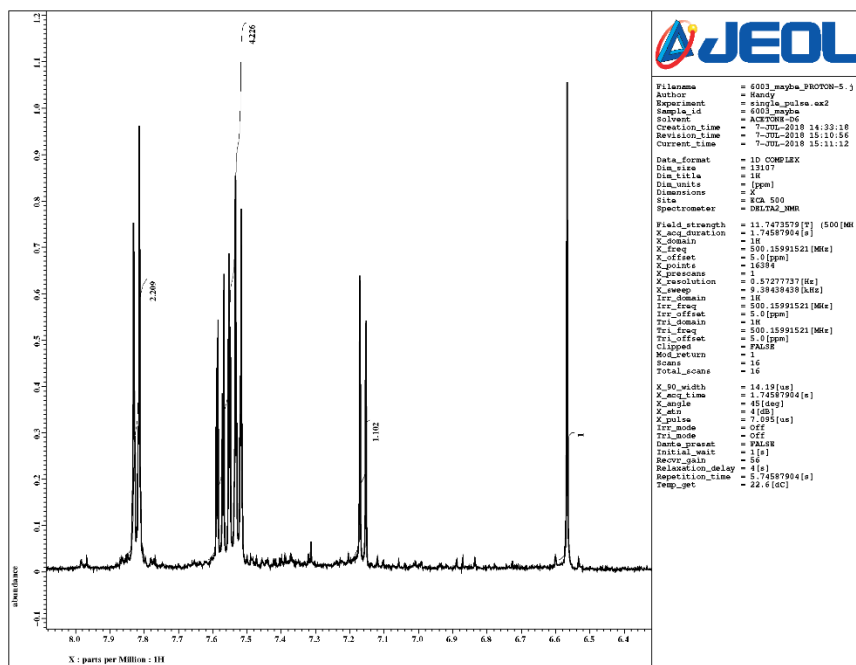
(Z)-4-((5-fluoro-3-oxobenzofuran-2(3H)-ylidene)methyl)benzonitrile (Entry 15)



(Z)-4-((6-fluoro-3-oxobenzofuran-2(3H)-ylidene)methyl)benzonitrile (Entry 16)



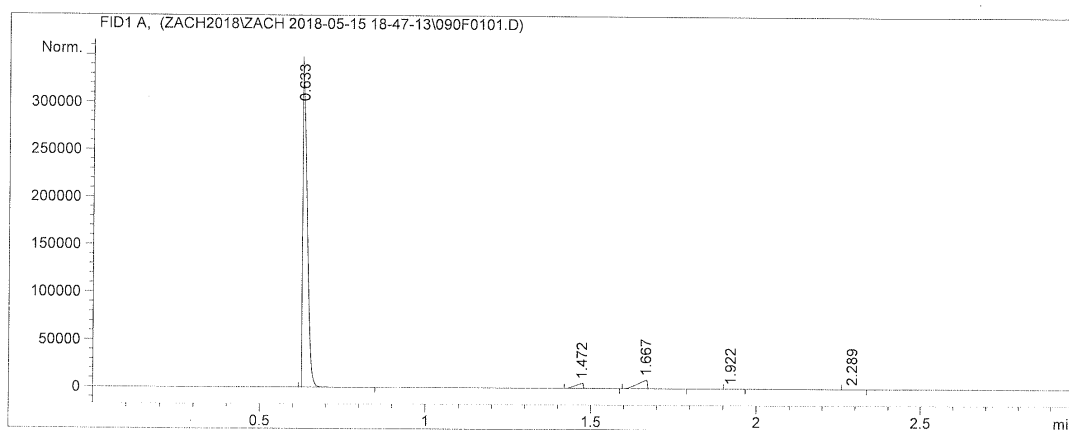
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                                                    Inj Volume: 1 µl
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Last changed    : 5/15/2018 5:12:03 PM by Zach Taylor
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=====
Area Percent Report
=====
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Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
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Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.633	BB S	0.0174	3.20691e5	2.97148e5	92.29014
2	1.472	BB	0.0245	8585.68457	5310.79297	2.47083
3	1.667	BB S	0.0264	1.81953e4	9131.79004	5.23635
4	1.922	BB	0.0253	4.00113	2.27293	0.00115
5	2.289	BB	0.0238	5.29823	3.39894	0.00152

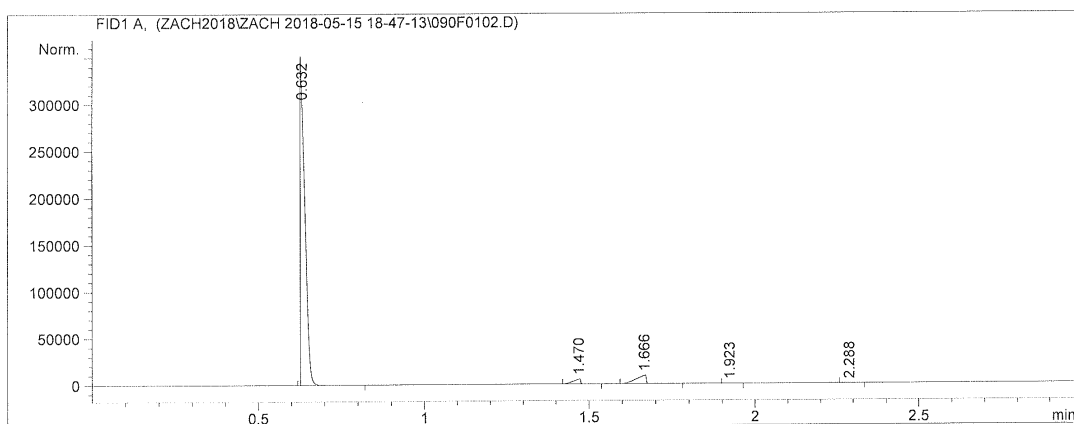
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Benzaldehyde: Sequence #1 – Run #2

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                                                    Inj Volume: 1 µl
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Analysis Method : C:\CHEM32\1\METHODS\Z4.M
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Method Info     : Alditol lab.
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=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
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Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.632	BB S	0.0177	3.32934e5	3.00647e5	92.86172
2	1.470	BB	0.0210	7579.52490	4974.48926	2.11407
3	1.666	BB S	0.0316	1.80038e4	8624.55762	5.02161
4	1.923	BB	0.0256	3.96636	2.22856	0.00111
5	2.288	BB	0.0248	5.32517	3.37395	0.00149

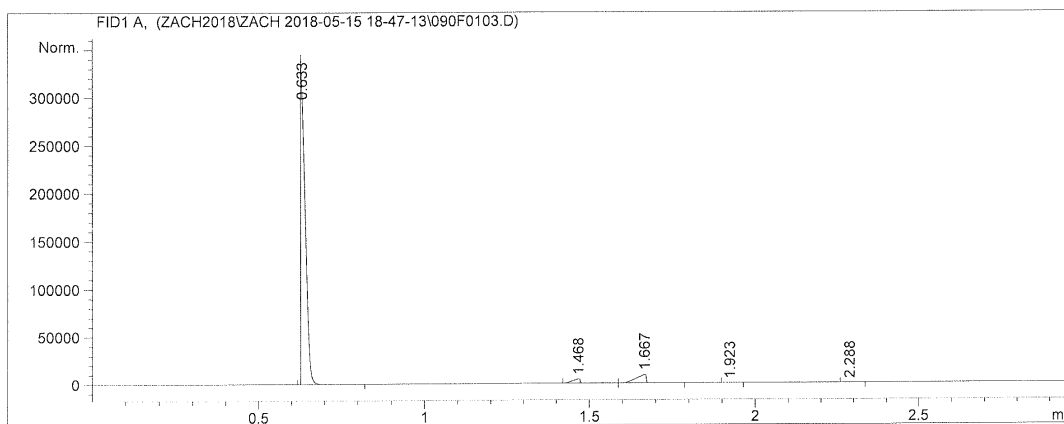
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*** End of Report ***
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                                                    Inj Volume: 1 µl
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Method Info     : Alditol lab.
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```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.633	BB S	0.0173	3.14722e5	2.93682e5	92.56597
2	1.468	BV	0.0252	6945.28711	4514.04346	2.04275
3	1.667	VB S	0.0266	1.83205e4	9149.46191	5.38842
4	1.923	BB	0.0257	4.13407	2.31173	0.00122
5	2.288	BB	0.0246	5.59579	3.58278	0.00165

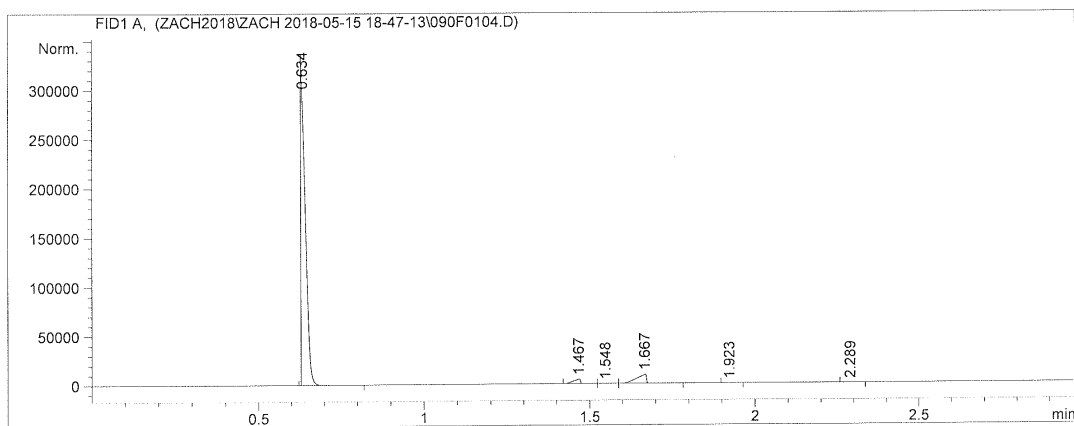
```
Totals :                      3.39997e5  3.07351e5
```

```
=====
*** End of Report ***
```

Benzaldehyde: Sequence #1 – Run #4

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-15 18-47-13\090F0104.D
 Sample Name: Benzaldehyde run #2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial,90
Injection Date  : 15-May-18, 19:00:25              Inj       :    4
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-15 18-47-13\Z1.M
Last changed    : 5/15/2018 5:12:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

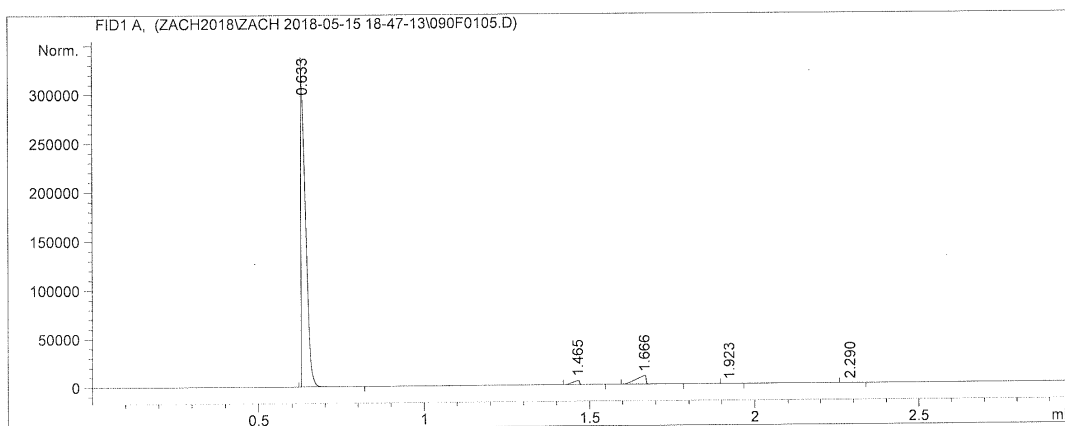
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.634	BB S	0.0160	3.06457e5	2.96958e5	92.46699
2	1.467	BV	0.0238	6530.84521	4592.26904	1.97054
3	1.548	VV	0.0450	19.27344	6.80957	0.00582
4	1.667	VB S	0.0272	1.84064e4	9242.75000	5.55374
5	1.923	BB	0.0258	4.30771	2.39186	0.00130
6	2.289	BB	0.0245	5.33404	3.44596	0.00161

```
Totals :                      3.31423e5  3.10806e5
```

Benzaldehyde: Sequence #1 – Run #5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-15 18-47-13\090F0105.D
 Sample Name: Benzaldehyde run #2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 15-May-18, 19:04:28              Inj       :    5
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-15 18-47-13\Z1.M
Last changed    : 5/15/2018 5:12:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.633	BB S	0.0164	3.14015e5	2.94791e5	92.93328
2	1.465	BB	0.0245	5748.13916	4069.85791	1.70117
3	1.666	BB S	0.0276	1.81201e4	8673.22656	5.36269
4	1.923	BB	0.0259	4.41347	2.44020	0.00131
5	2.290	BB	0.0239	5.25728	3.35659	0.00156

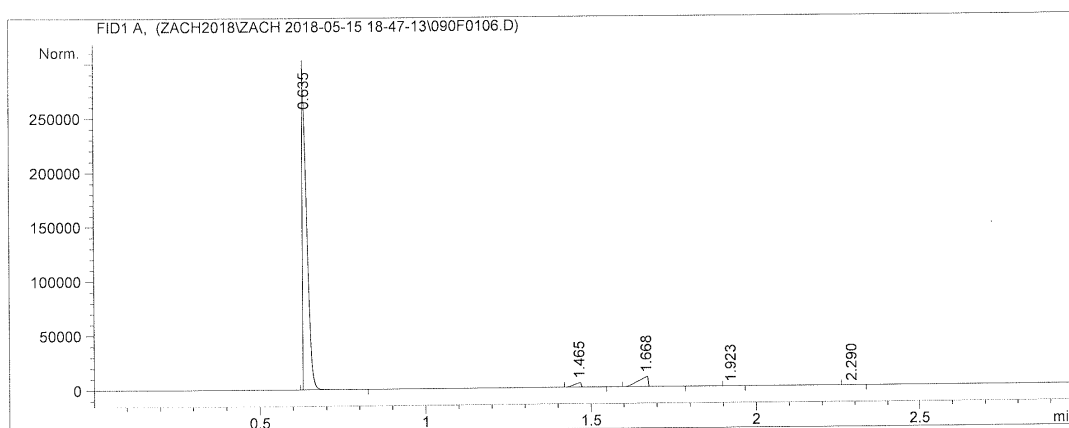
```
Totals :                      3.37893e5  3.07540e5
```

```
=====
*** End of Report ***
```

Benzaldehyde: Sequence #1 – Run #6

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-15 18-47-13\090F0106.D
 Sample Name: Benzaldehyde run #2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 15-May-18, 19:08:30              Inj       :    6
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-15 18-47-13\Z1.M
Last changed    : 5/15/2018 5:12:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.635	BB S	0.0163	2.67264e5	2.54152e5	91.53775
2	1.465	BB	0.0235	5645.97900	4035.30078	1.93374
3	1.668	BB S	0.0301	1.90516e4	9064.07617	6.52513
4	1.923	BB	0.0253	4.31048	2.45664	0.00148
5	2.290	BB	0.0238	5.55374	3.56623	0.00190

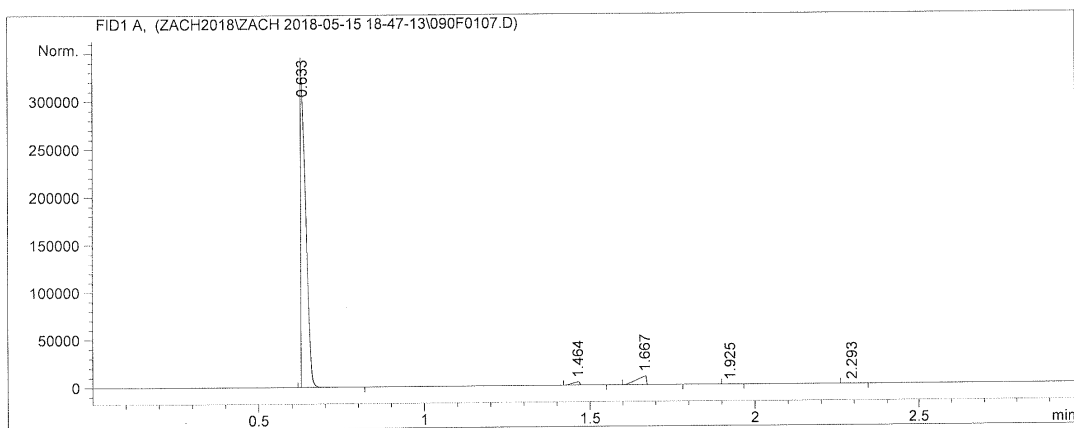
```
Totals :                      2.91972e5  2.67257e5
```

```
=====
*** End of Report ***
=====
```

Benzaldehyde: Sequence #1 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-15 18-47-13\090F0107.D
 Sample Name: Benzaldehyde run #2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 15-May-18, 19:12:33              Inj       :    7
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-15 18-47-13\Z1.M
Last changed    : 5/15/2018 5:12:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.633	BB S	0.0190	3.45815e5	3.00104e5	93.62127
2	1.464	BB	0.0247	4848.48779	3391.86719	1.31261
3	1.667	BB S	0.0268	1.87036e4	9238.03223	5.06356
4	1.925	BB	0.0269	4.15108	2.27154	0.00112
5	2.293	BB	0.0257	5.29735	3.20489	0.00143

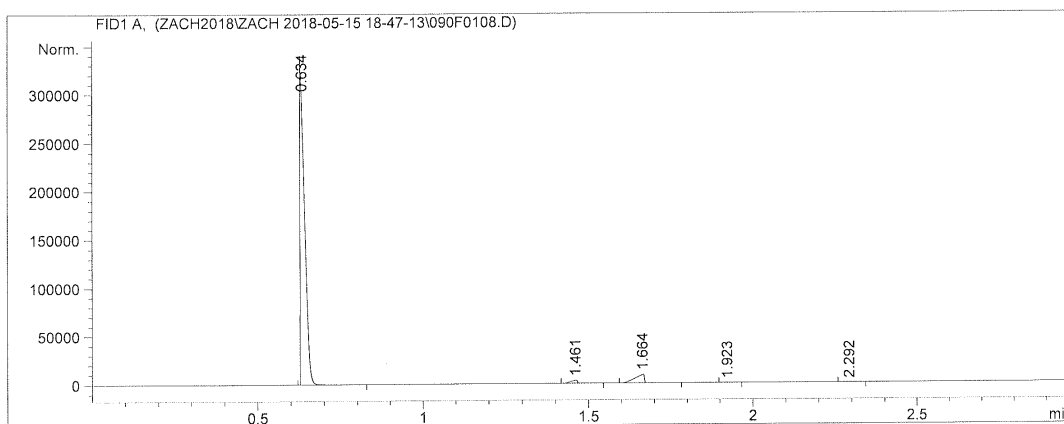
```
Totals :                      3.69377e5  3.12740e5
```

```
=====
*** End of Report ***
```


Benzaldehyde: Sequence #1 – Run #8

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-15 18-47-13\090F0108.D
 Sample Name: Benzaldehyde run #2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 15-May-18, 19:16:36              Inj       :    8
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-15 18-47-13\Z1.M
Last changed    : 5/15/2018 5:12:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.634	BB S	0.0163	3.16588e5	2.99151e5	93.63343
2	1.461	BB	0.0226	4226.05469	3037.23657	1.24989
3	1.664	BB S	0.0252	1.72912e4	8833.56055	5.11402
4	1.923	BB	0.0262	3.95733	2.15451	0.00117
5	2.292	BB	0.0261	5.02141	3.10333	0.00149

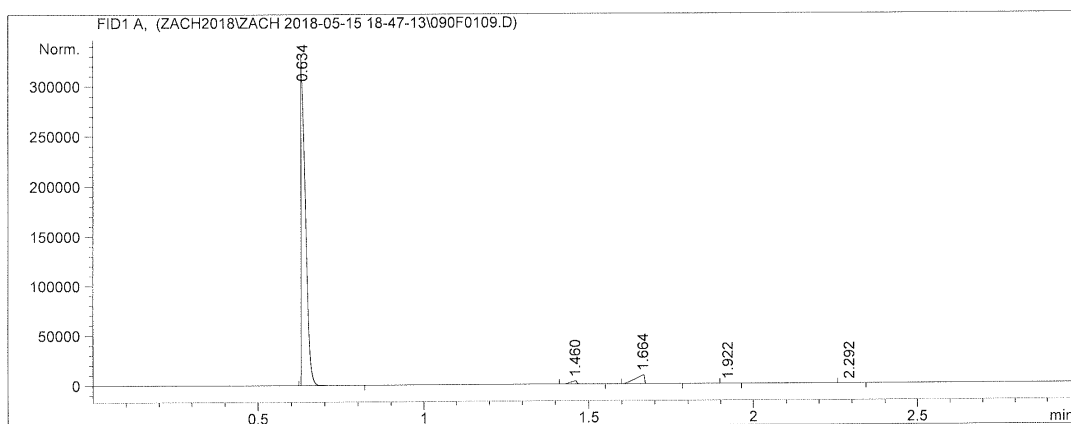
```
Totals :                      3.38114e5  3.11027e5
```

```
=====
*** End of Report ***
```

Benzaldehyde: Sequence #1 – Run #9

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-15 18-47-13\090F0109.D
 Sample Name: Benzaldehyde run #2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 90
Injection Date  : 15-May-18, 19:20:41              Inj       :    9
                                                Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-15 18-47-13\Z1.M
Last changed    : 5/15/2018 5:12:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.634	BB S	0.0157	3.00772e5	3.00662e5	93.42956
2	1.460	BB	0.0224	3882.99756	2977.44189	1.20619
3	1.664	BB S	0.0267	1.72597e4	8865.40234	5.36144
4	1.922	BB	0.0256	3.97526	2.23381	0.00123
5	2.292	BB	0.0259	5.08761	3.05052	0.00158

```
Totals :                3.21923e5  3.12511e5
```

```
=====
*** End of Report ***
```

Benzaldehyde: Sequence #1 – Run #10

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-15 18-47-13\090F0110.D

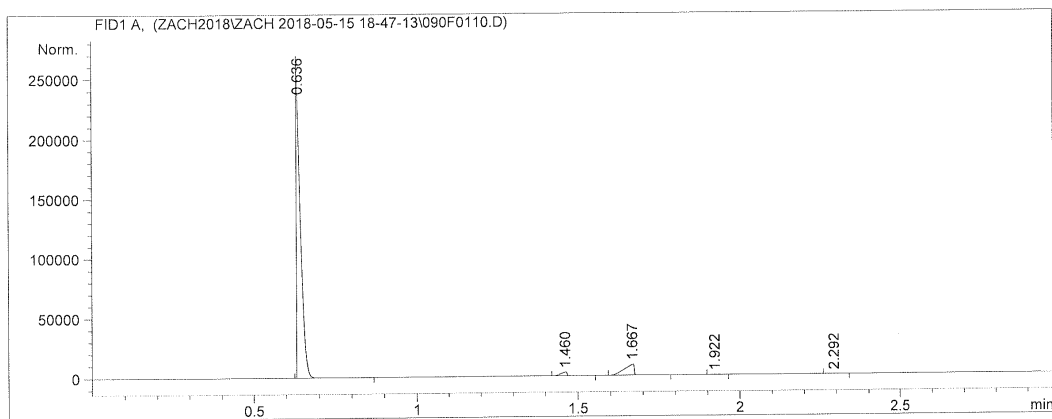
Sample Name: Benzaldehyde run #2

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 15-May-18, 19:24:42              Inj       :   10
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-15 18-47-13\Z1.M
Last changed    : 5/15/2018 5:12:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



```

=====
Area Percent Report
=====

```

```

Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs

```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.636	BB S	0.0146	2.28772e5	2.33872e5	91.00419
2	1.460	BB	0.0214	3891.06104	3025.47852	1.54784
3	1.667	BB S	0.0275	1.87130e4	9272.14648	7.44393
4	1.922	BB	0.0244	4.26337	2.43490	0.00170
5	2.292	BB	0.0249	5.90213	3.57309	0.00235

```
Totals :                2.51386e5  2.46176e5
```

```

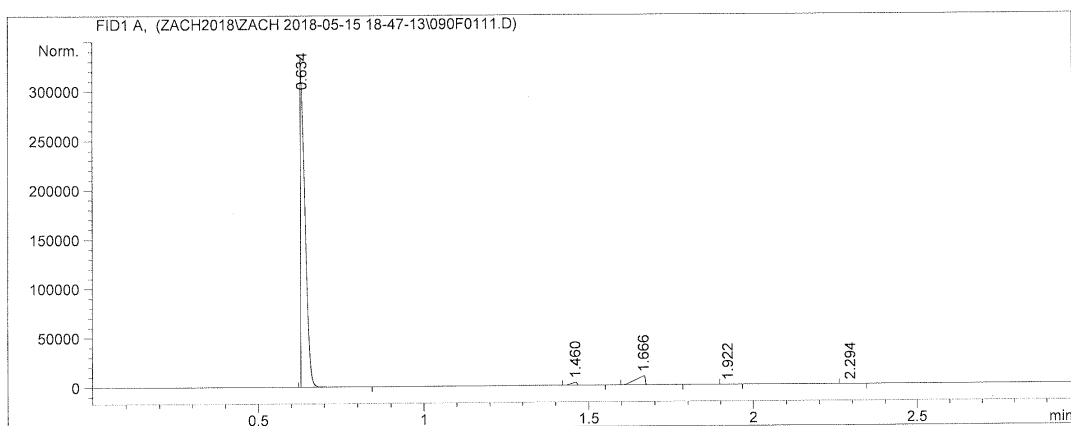
=====
*** End of Report ***
=====

```

Benzaldehyde: Sequence #1 – Run #11

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-15 18-47-13\090F0111.D
 Sample Name: Benzaldehyde run #2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 15-May-18, 19:28:46              Inj       :   11
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-15 18-47-13\Z1.M
Last changed    : 5/15/2018 5:12:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.634	BB S	0.0161	3.06768e5	2.96948e5	93.36405
2	1.460	BB	0.0212	3475.13208	2747.84985	1.05765
3	1.666	BB S	0.0317	1.83192e4	8724.62988	5.57541
4	1.922	BB	0.0247	4.03730	2.27191	0.00123
5	2.294	BB	0.0266	5.48494	3.16274	0.00167

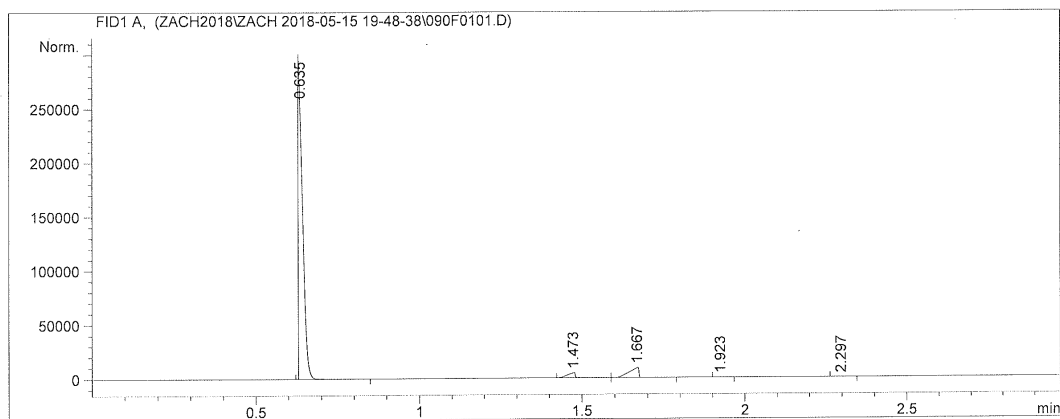
```
Totals :                      3.28572e5  3.08425e5
```

```
=====
                      *** End of Report ***
=====
```

Benzaldehyde: Sequence #2 – Run #1

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-15 19-48-38\090F0101.D
 Sample Name: Benzaldehyde run #3

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 15-May-18, 19:49:42              Inj       :    1
                                                Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-15 19-48-38\Z1.M
Last changed    : 5/15/2018 5:12:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.635	BB S	0.0169	2.65992e5	2.55907e5	91.07423
2	1.473	BV	0.0247	7492.19238	4582.12793	2.56528
3	1.667	VB S	0.0296	1.85668e4	9013.99707	6.35715
4	1.923	BB	0.0257	4.31274	2.40544	0.00148
5	2.297	BB	0.0273	5.43807	3.04099	0.00186

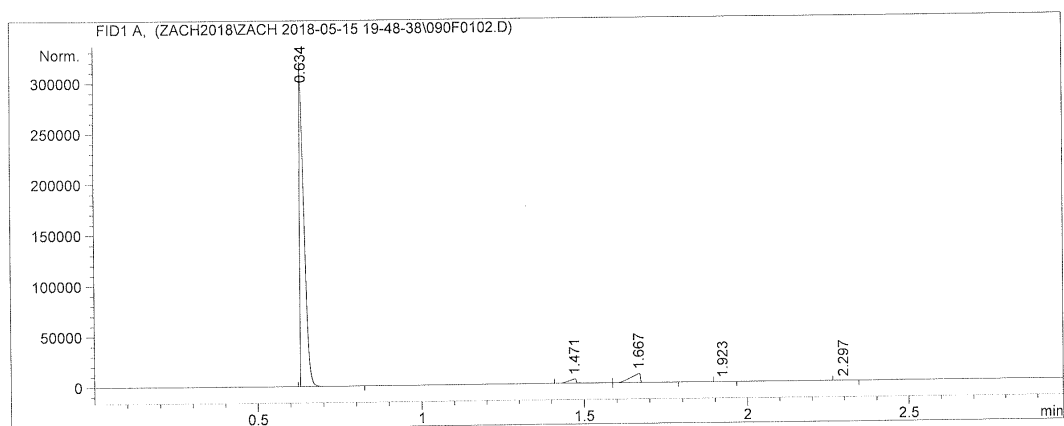
```
Totals :                      2.92061e5  2.69508e5
```

```
=====
                      *** End of Report ***
=====
```

Benzaldehyde: Sequence #2 – Run #2

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-15 19-48-38\090F0102.D
 Sample Name: Benzaldehyde run #3

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 15-May-18, 19:53:43              Inj       :    2
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-15 19-48-38\Z1.M
Last changed    : 5/15/2018 5:12:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.634	BB S	0.0154	2.92114e5	2.99877e5	92.26714
2	1.471	BV	0.0271	6439.69336	4104.35645	2.03404
3	1.667	VB S	0.0287	1.80332e4	9095.10156	5.69598
4	1.923	BB	0.0260	4.06672	2.23327	0.00128
5	2.297	BB	0.0256	4.93253	2.87072	0.00156

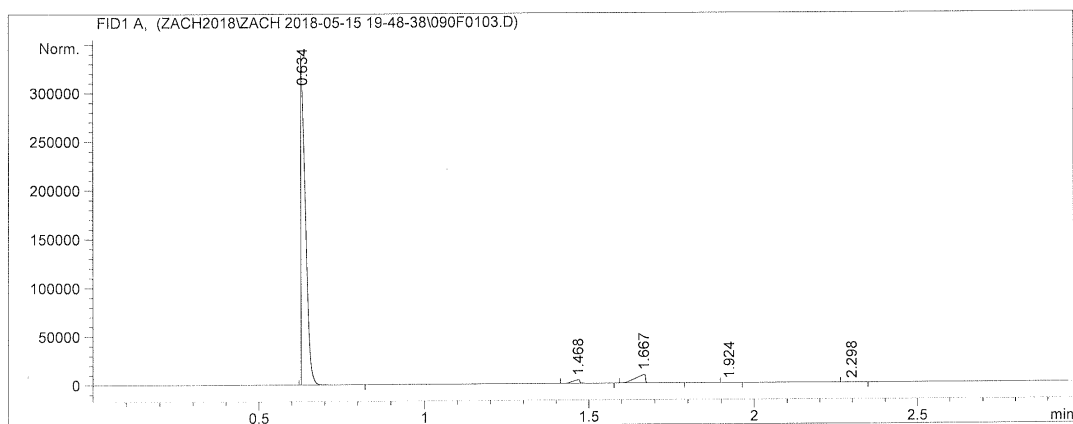
```
Totals :                      3.16596e5  3.13082e5
```

```
=====
*** End of Report ***
```

Benzaldehyde: Sequence #2 – Run #3

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-15 19-48-38\090F0103.D
 Sample Name: Benzaldehyde run #3

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 15-May-18, 19:57:48              Inj       :    3
                                                Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-15 19-48-38\Z1.M
Last changed    : 5/15/2018 5:12:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By           :      Signal
Multiplier           :      1.0000
Dilution             :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.634	BB S	0.0162	3.16292e5	3.03310e5	93.07198
2	1.468	BB	0.0252	5343.61523	3622.40869	1.57241
3	1.667	BB S	0.0255	1.81909e4	9176.37305	5.35284
4	1.924	BB	0.0258	4.17998	2.31784	0.00123
5	2.298	BB	0.0271	5.22501	2.95030	0.00154

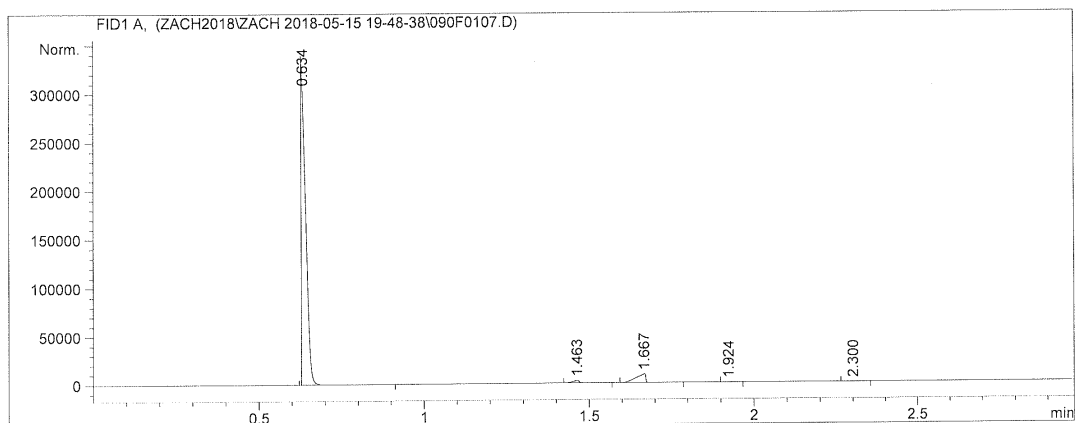
```
Totals :                      3.39836e5  3.16114e5
```

```
=====
*** End of Report ***
```

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-15 19-48-38\090F0107.D
 Sample Name: Benzaldehyde run #3

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 15-May-18, 20:13:56              Inj       :    7
                                                Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-15 19-48-38\Z1.M
Last changed    : 5/15/2018 5:12:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



=====
 Area Percent Report
 =====

Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.634	BB S	0.0160	3.11825e5	3.04107e5	93.56026
2	1.463	BB	0.0220	3410.92554	2544.17261	1.02342
3	1.667	BB S	0.0276	1.80428e4	8623.97363	5.41360
4	1.924	BB	0.0253	3.97957	2.26010	0.00119
5	2.300	BB	0.0285	5.11165	2.80137	0.00153

Totals : 3.33287e5 3.15280e5

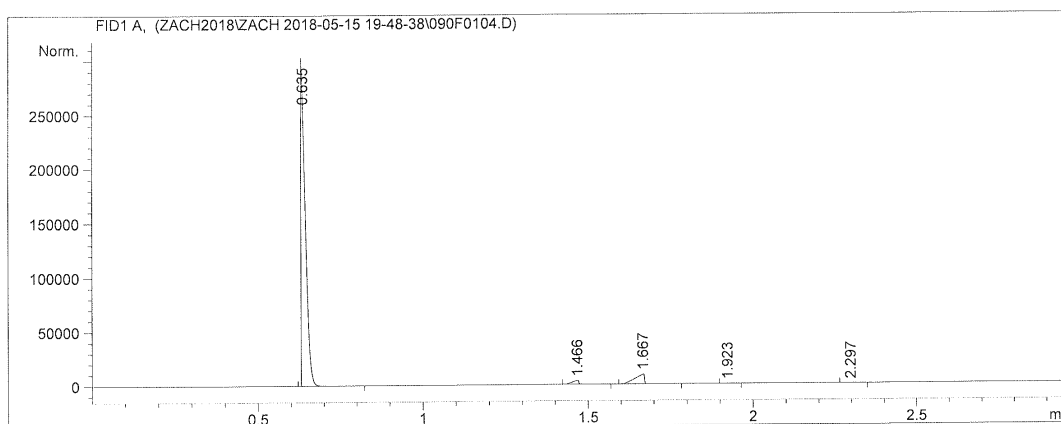
=====
 *** End of Report ***

Benzaldehyde: Sequence #2 – Run #4

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-15 19-48-38\090F0104.D
 Sample Name: Benzaldehyde run #3

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 15-May-18, 20:01:49              Inj       :    4
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-15 19-48-38\Z1.M
Last changed    : 5/15/2018 5:12:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.635	BB S	0.0162	2.68188e5	2.55808e5	92.12623
2	1.466	BB	0.0231	4825.32715	3378.70020	1.65756
3	1.667	BB S	0.0262	1.80869e4	9168.09570	6.21309
4	1.923	BB	0.0246	3.87953	2.28548	0.00133
5	2.297	BB	0.0264	5.19403	3.03379	0.00178

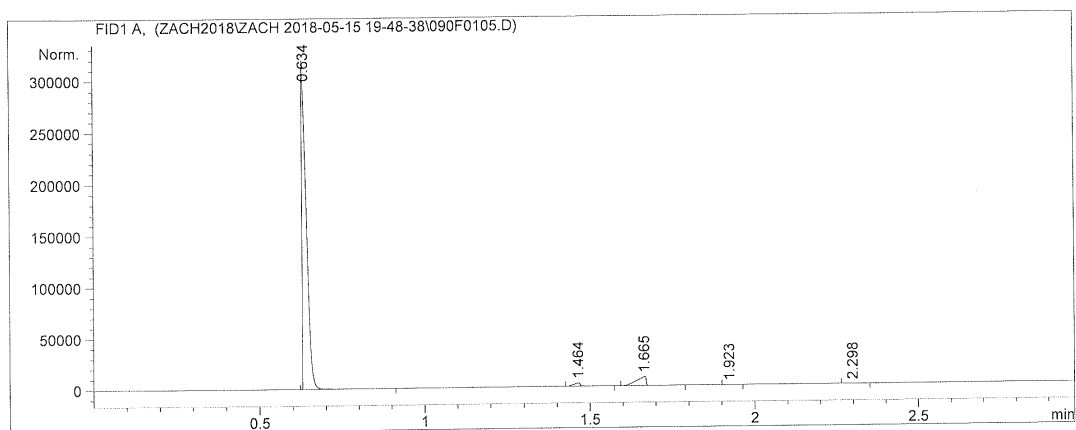
```
Totals :                      2.91110e5  2.68360e5
```

```
=====
*** End of Report ***
```

Benzaldehyde: Sequence #2 – Run #5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-15 19-48-38\090F0105.D
 Sample Name: Benzaldehyde run #3

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 15-May-18, 20:05:54              Inj       :    5
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-15 19-48-38\Z1.M
Last changed    : 5/15/2018 5:12:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.634	BB S	0.0154	2.92316e5	2.98969e5	93.10439
2	1.464	BB	0.0216	4129.69287	3161.11670	1.31533
3	1.665	BB S	0.0284	1.75116e4	8639.70703	5.57754
4	1.923	BB	0.0252	3.82538	2.19204	0.00122
5	2.298	BB	0.0268	4.78303	2.73424	0.00152

```
Totals :                      3.13966e5  3.10775e5
```

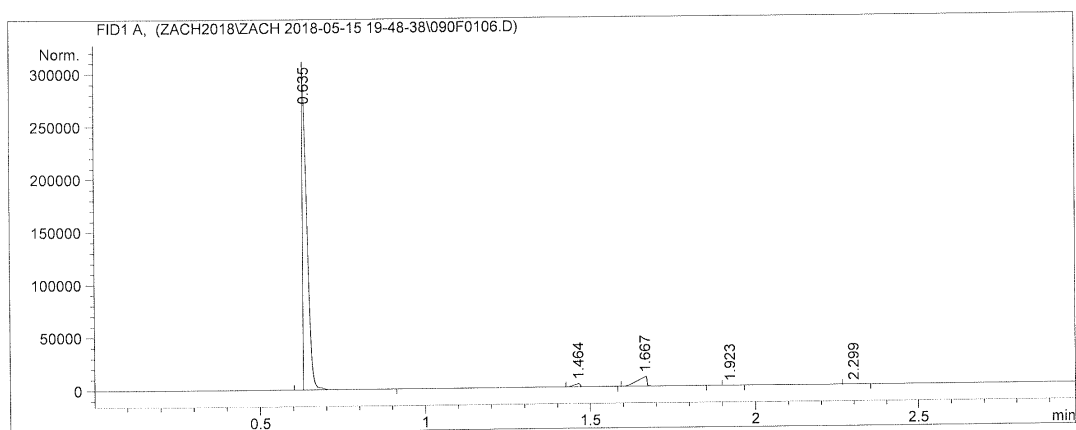
```
=====
*** End of Report ***
```

Benzaldehyde: Sequence #2 – Run #6

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-15 19-48-38\090F0106.D
 Sample Name: Benzaldehyde run #3

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 15-May-18, 20:09:54              Inj       :    6
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-15 19-48-38\Z1.M
Last changed    : 5/15/2018 5:12:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.635	BB S	0.0163	2.81481e5	2.66962e5	92.64796
2	1.464	BB	0.0216	3888.42505	2985.62207	1.27986
3	1.667	BB S	0.0262	1.84392e4	9030.00586	6.06918
4	1.923	BB	0.0256	4.01201	2.25196	0.00132
5	2.299	BB	0.0275	5.12411	2.83118	0.00169

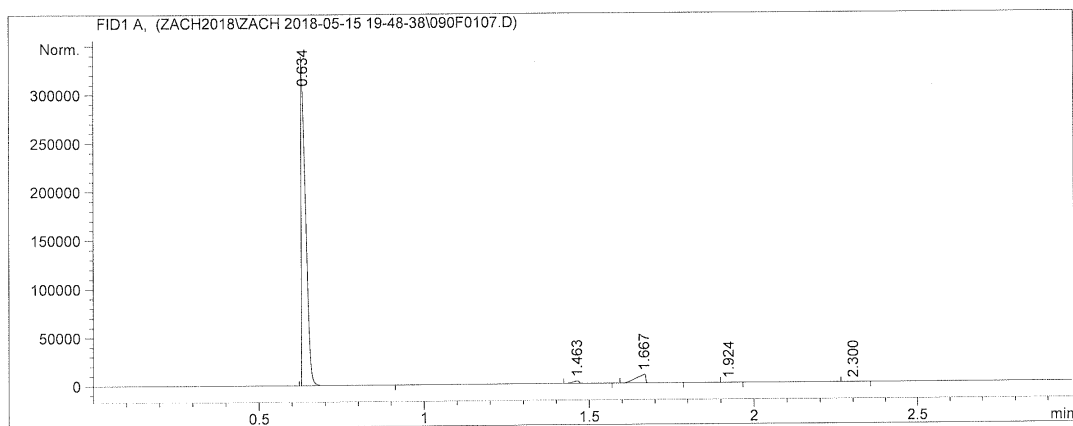
Totals : 3.03818e5 2.78983e5

```
=====
*** End of Report ***
```

Benzaldehyde: Sequence #2 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-15 19-48-38\090F0107.D
 Sample Name: Benzaldehyde run #3

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 15-May-18, 20:13:56              Inj       :    7
                                                Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-15 19-48-38\Z1.M
Last changed    : 5/15/2018 5:12:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.634	BB S	0.0160	3.11825e5	3.04107e5	93.56026
2	1.463	BB	0.0220	3410.92554	2544.17261	1.02342
3	1.667	BB S	0.0276	1.80428e4	8623.97363	5.41360
4	1.924	BB	0.0253	3.97957	2.26010	0.00119
5	2.300	BB	0.0285	5.11165	2.80137	0.00153

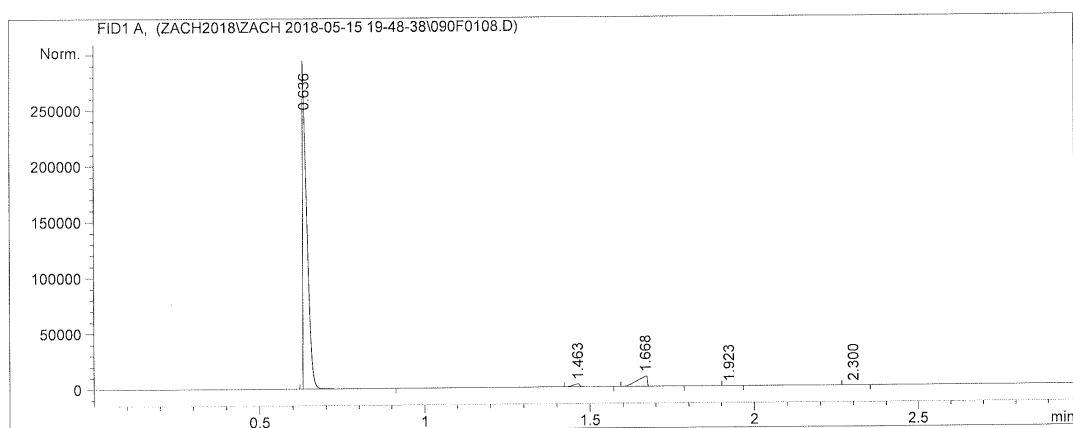
```
Totals :                      3.33287e5  3.15280e5
```

```
=====
*** End of Report ***
```

Benzaldehyde: Sequence #2 – Run #8

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-15 19-48-38\090F0108.D
 Sample Name: Benzaldehyde run #3

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 90
Injection Date  : 15-May-18, 20:17:58              Inj       :    8
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-15 19-48-38\Z1.M
Last changed    : 5/15/2018 5:12:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.636	BB S	0.0162	2.58692e5	2.46478e5	91.89630
2	1.463	BB	0.0218	3462.53589	2628.75928	1.23001
3	1.668	BB S	0.0283	1.93399e4	9004.49414	6.87020
4	1.923	BB	0.0252	4.28931	2.45696	0.00152
5	2.300	BB	0.0270	5.55012	3.13679	0.00197

Totals : 2.81505e5 2.58117e5

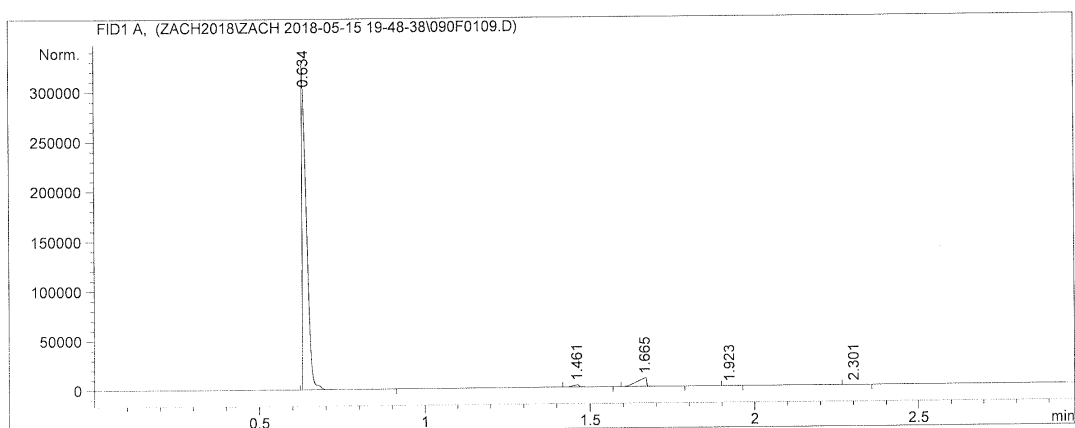
```
=====
*** End of Report ***
```

Benzaldehyde: Sequence #2 – Run #9

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-15 19-48-38\090F0109.D
 Sample Name: Benzaldehyde run #3

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 15-May-18, 20:22:01              Inj       :    9
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-15 19-48-38\Z1.M
Last changed    : 5/15/2018 5:12:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.634	BB S	0.0158	3.03761e5	3.00226e5	93.68022
2	1.461	BB	0.0218	2814.67334	2125.48804	0.86805
3	1.665	BB S	0.0272	1.76686e4	8571.37500	5.44902
4	1.923	BB	0.0257	3.85273	2.15536	0.00119
5	2.301	BB	0.0285	4.96759	2.62399	0.00153

Totals : 3.24253e5 3.10928e5

```
=====
*** End of Report ***
=====
```

Benzaldehyde: Sequence #2 – Run #10

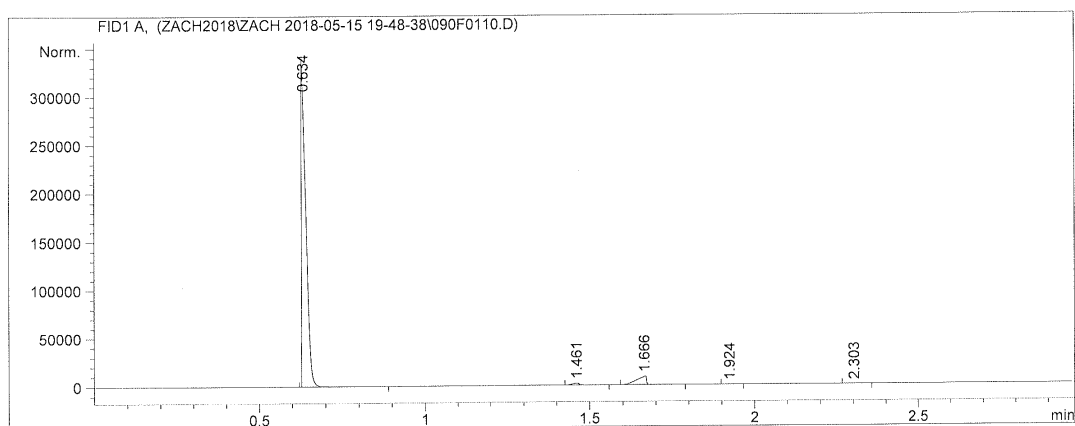
Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-15 19-48-38\090F0110.D

Sample Name: Benzaldehyde run #3

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 15-May-18, 20:26:04              Inj       :   10
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-15 19-48-38\Z1.M
Last changed    : 5/15/2018 5:12:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



```

=====
Area Percent Report
=====

```

```

Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs

```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.634	BB S	0.0161	3.12930e5	3.01118e5	93.87794
2	1.461	BB	0.0216	2561.41772	1963.30884	0.76842
3	1.666	BB S	0.0275	1.78368e4	8562.12109	5.35097
4	1.924	BB	0.0262	4.00951	2.18094	0.00120
5	2.303	BB	0.0299	4.89780	2.51659	0.00147

```
Totals :                3.33337e5  3.11648e5
```

```

=====
*** End of Report ***
=====

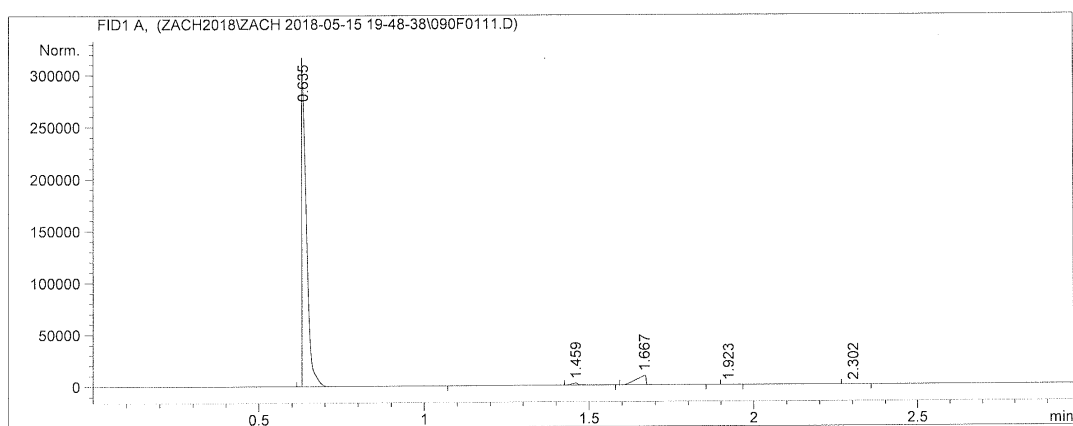
```

Benzaldehyde: Sequence #2 – Run #11

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-15 19-48-38\090F0111.D
 Sample Name: Benzaldehyde run #3

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 15-May-18, 20:30:08              Inj       :   11
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-15 19-48-38\Z1.M
Last changed    : 5/15/2018 5:12:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.635	BB S	0.0168	2.97646e5	2.70455e5	93.29465
2	1.459	BB	0.0209	2521.52930	1924.26257	0.79035
3	1.667	BB S	0.0290	1.88623e4	9086.58789	5.91223
4	1.923	BB	0.0257	3.81675	2.13112	0.00120
5	2.302	BB	0.0293	5.01817	2.55423	0.00157

Totals : 3.19039e5 2.81470e5

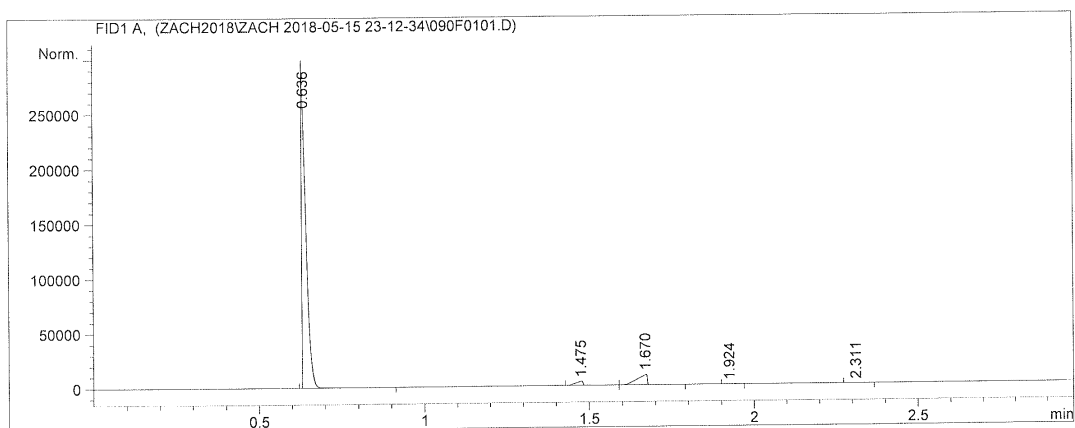
```
=====
*** End of Report ***
```


Benzaldehyde: Sequence #3 – Run #1

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-15 23-12-34\090F0101.D
 Sample Name: Benzaldehyde run #6

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 15-May-18, 23:13:37              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-15 23-12-34\Z1.M
Last changed    : 5/15/2018 5:12:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.636	BB S	0.0163	2.64897e5	2.51594e5	91.36884
2	1.475	BV	0.0209	5693.69775	3751.33057	1.96389
3	1.670	VB S	0.0272	1.93211e4	9380.10547	6.66430
4	1.924	BB	0.0250	4.30604	2.48620	0.00149
5	2.311	BB	0.0302	4.31692	2.19116	0.00149

Totals : 2.89920e5 2.64730e5

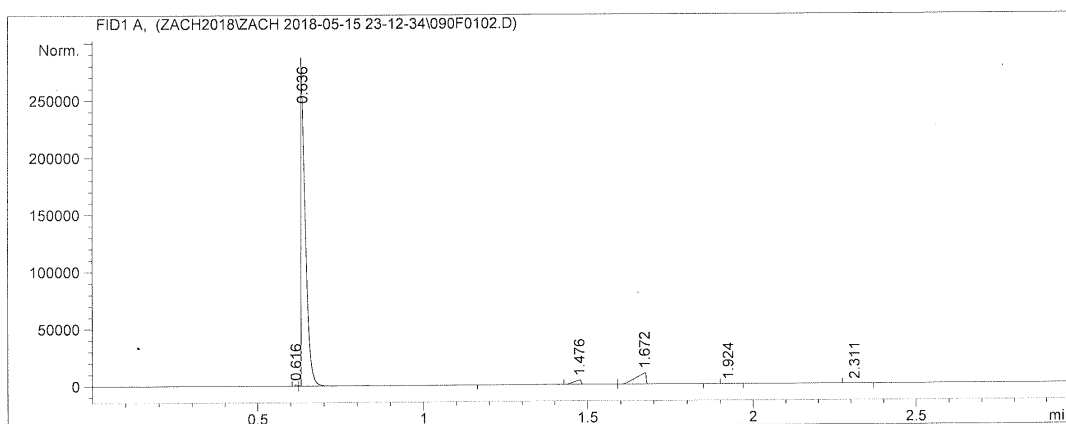
```
=====
*** End of Report ***
```

Benzaldehyde: Sequence #3 – Run #2

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-15 23-12-34\090F0102.D
 Sample Name: Benzaldehyde run #6

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 90
Injection Date  : 15-May-18, 23:17:41              Inj       :    2
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-15 23-12-34\Z1.M
Last changed    : 5/15/2018 5:12:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.616	BV S	8.19e-3	603.56134	1216.32776	0.21406
2	0.636	VB S	0.0174	2.54671e5	2.43706e5	90.32017
3	1.476	BV	0.0230	5869.57861	3756.66992	2.08167
4	1.672	VB S	0.0277	2.08113e4	9901.10938	7.38082
5	1.924	BB	0.0248	4.52062	2.64271	0.00160
6	2.311	BB	0.0300	4.75125	2.43086	0.00169

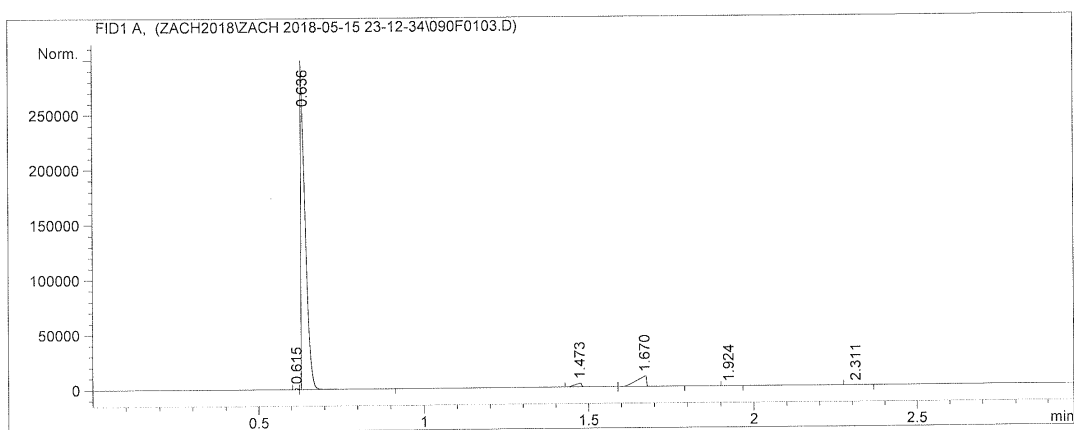
```
Totals :                2.81964e5  2.58586e5
```

Benzaldehyde: Sequence #3 – Run #3

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-15 23-12-34\090F0103.D
 Sample Name: Benzaldehyde run #6

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 15-May-18, 23:21:43              Inj       :    3
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-15 23-12-34\Z1.M
Last changed    : 5/15/2018 5:12:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

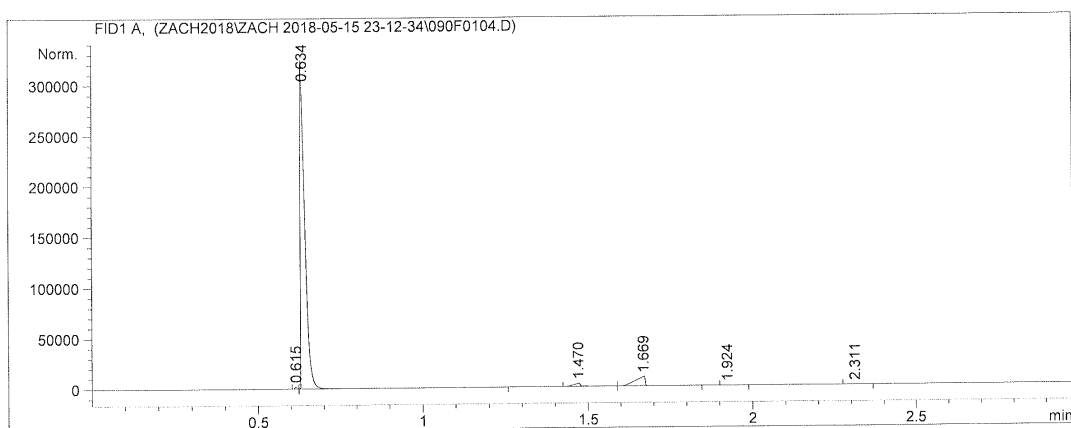
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.615	BV S	8.40e-3	614.33179	1195.12207	0.20388
2	0.636	VB S	0.0181	2.75635e5	2.53553e5	91.47727
3	1.473	BV	0.0234	4992.11914	3435.61157	1.65677
4	1.670	VB S	0.0289	2.00649e4	9416.89453	6.65911
5	1.924	BB	0.0245	4.46518	2.64272	0.00148
6	2.311	BB	0.0304	4.47140	2.25095	0.00148

```
Totals :                      3.01316e5  2.67606e5
```

Benzaldehyde: Sequence #3 – Run #4

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-15 23-12-34\090F0104.D
 Sample Name: Benzaldehyde run #6

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 15-May-18, 23:25:45              Inj       :    4
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-15 23-12-34\Z1.M
Last changed    : 5/15/2018 5:12:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

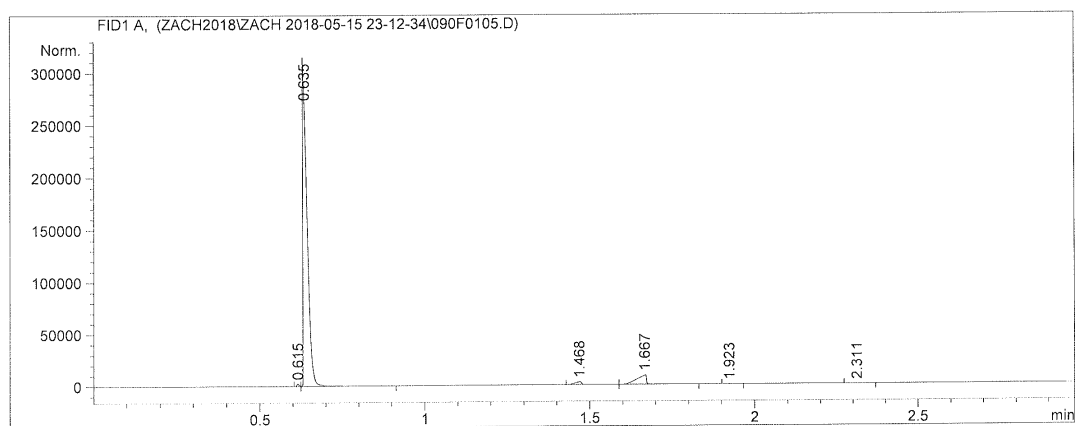
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.615	BV S	8.19e-3	991.69257	1999.60474	0.29968
2	0.634	VB S	0.0169	3.06315e5	3.02447e5	92.56646
3	1.470	BV	0.0240	4261.46777	2967.28784	1.28779
4	1.669	VB S	0.0308	1.93371e4	8961.38379	5.84355
5	1.924	BB	0.0243	4.00147	2.39914	0.00121
6	2.311	BB	0.0320	4.33219	2.10282	0.00131

```
Totals :                      3.30913e5  3.16379e5
```

Benzaldehyde: Sequence #3 – Run #5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-15 23-12-34\090F0105.D
 Sample Name: Benzaldehyde run #6

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 15-May-18, 23:29:47              Inj       :    5
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-15 23-12-34\Z1.M
Last changed    : 5/15/2018 5:12:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

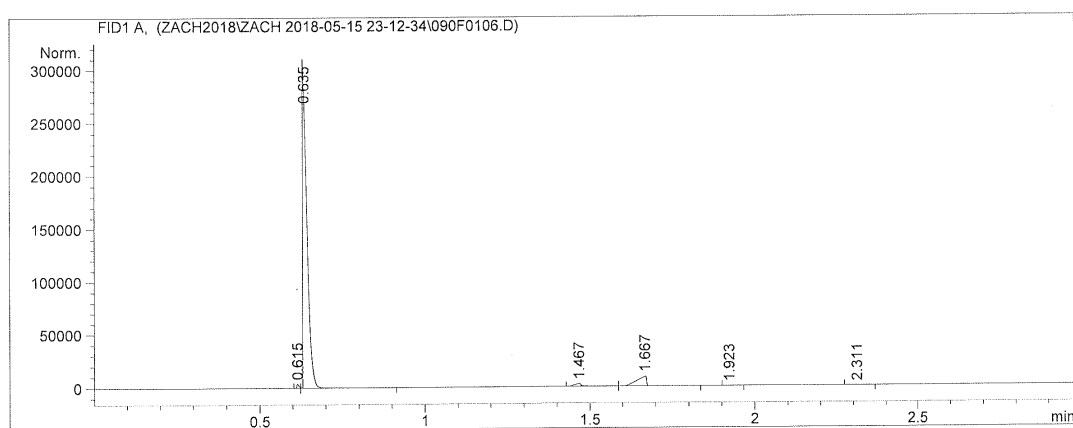
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.615	BV S	8.05e-3	1078.56982	2225.42505	0.35303
2	0.635	VB S	0.0175	2.82794e5	2.69488e5	92.56129
3	1.468	BV	0.0212	3691.50000	2626.55493	1.20826
4	1.667	VB S	0.0287	1.79487e4	9058.00781	5.87480
5	1.923	BB	0.0246	3.88054	2.28221	0.00127
6	2.311	BB	0.0319	4.12162	1.94347	0.00135

Totals : 3.05521e5 2.83402e5

Benzaldehyde: Sequence #3 – Run #6

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-15 23-12-34\090F0106.D
 Sample Name: Benzaldehyde run #6

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 15-May-18, 23:33:50              Inj       :    6
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-15 23-12-34\Z1.M
Last changed    : 5/15/2018 5:12:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.615	BV S	7.96e-3	1812.39478	3804.80615	0.59912
2	0.635	VB S	0.0175	2.78594e5	2.64705e5	92.09452
3	1.467	BV	0.0224	3560.09424	2599.87476	1.17686
4	1.667	VB S	0.0263	1.85343e4	9059.16309	6.12684
5	1.923	BB	0.0246	4.05028	2.38143	0.00134
6	2.311	BB	0.0301	4.00117	1.96964	0.00132

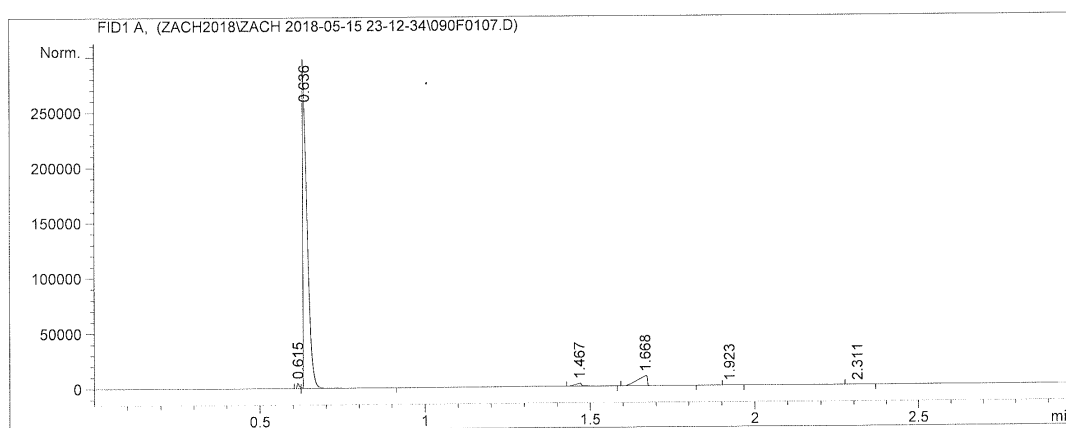
```
Totals :                      3.02509e5  2.80173e5
```

Benzaldehyde: Sequence #3 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-15 23-12-34\090F0107.D
 Sample Name: Benzaldehyde run #6

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 15-May-18, 23:37:52              Inj       :    7
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-15 23-12-34\Z1.M
Last changed    : 5/15/2018 5:12:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.615	BV S	7.93e-3	2210.67090	4662.52393	0.76569
2	0.636	VB S	0.0172	2.64116e5	2.55396e5	91.47973
3	1.467	BB	0.0222	3414.68359	2518.49219	1.18271
4	1.668	BB S	0.0277	1.89656e4	9042.10742	6.56896
5	1.923	BB	0.0251	4.16143	2.38792	0.00144
6	2.311	BB	0.0303	4.21963	2.06265	0.00146

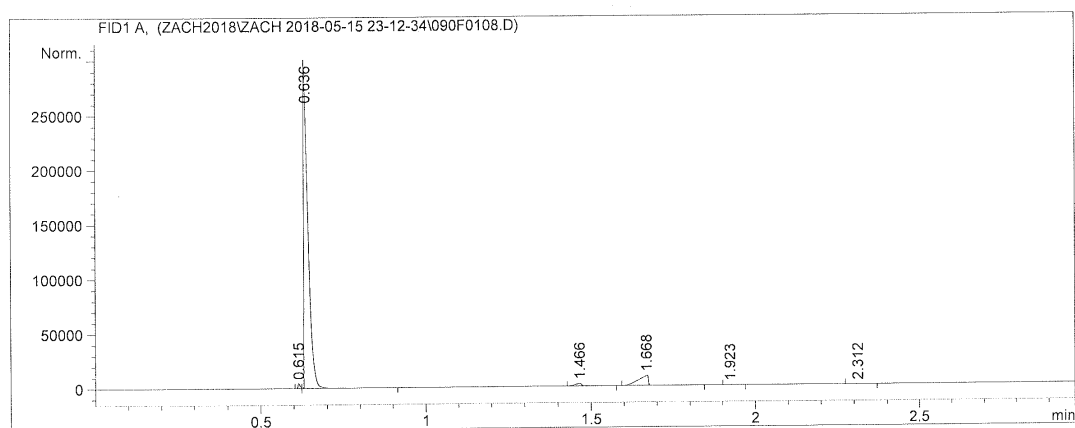
```
Totals :                      2.88716e5  2.71624e5
```

Benzaldehyde: Sequence #3 – Run #8

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-15 23-12-34\090F0108.D
 Sample Name: Benzaldehyde run #6

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 15-May-18, 23:41:56              Inj       :    8
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-15 23-12-34\Z1.M
Last changed    : 5/15/2018 5:12:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.615	BV S	8.05e-3	2077.47388	4286.99805	0.70059
2	0.636	VB S	0.0176	2.72098e5	2.57344e5	91.75964
3	1.466	BB	0.0217	3118.21313	2259.33862	1.05156
4	1.668	BB S	0.0297	1.92313e4	9002.13965	6.48538
5	1.923	BB	0.0251	4.14579	2.38052	0.00140
6	2.312	BB	0.0308	4.25677	2.03146	0.00144

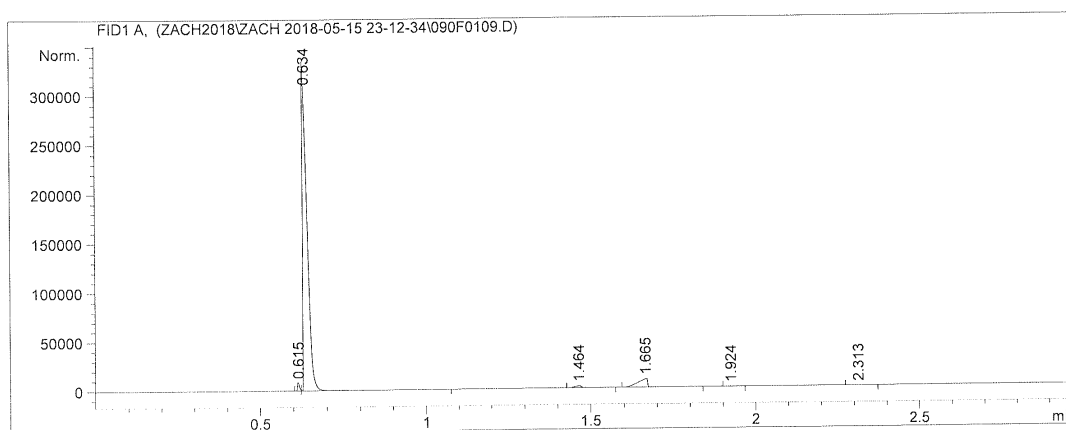
```
Totals :                      2.96533e5  2.72897e5
```


Benzaldehyde: Sequence #3 – Run #9

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-15 23-12-34\090F0109.D
 Sample Name: Benzaldehyde run #6

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 90
Injection Date  : 15-May-18, 23:45:56              Inj       :    9
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-15 23-12-34\Z1.M
Last changed    : 5/15/2018 5:12:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.615	BV S	7.61e-3	3562.61890	7972.77051	1.05359
2	0.634	VB S	0.0171	3.14776e5	3.06510e5	93.09022
3	1.464	BB	0.0222	2505.22192	1847.24243	0.74088
4	1.665	BB S	0.0267	1.72895e4	8574.95117	5.11309
5	1.924	BB	0.0256	3.67635	2.06668	0.00109
6	2.313	BB	0.0323	3.81088	1.76906	0.00113

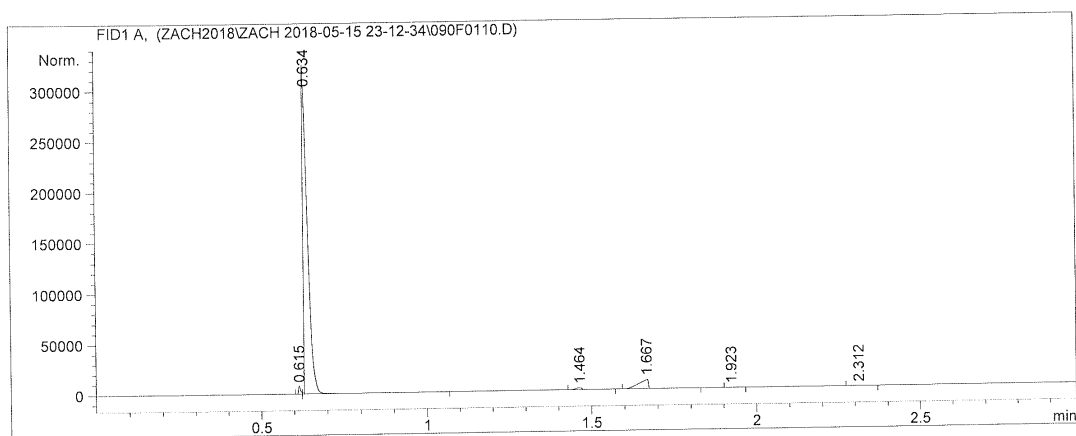
```
Totals :                      3.38141e5  3.24909e5
```

Benzaldehyde: Sequence #3 – Run #10

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-15 23-12-34\090F0110.D
 Sample Name: Benzaldehyde run #6

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 15-May-18, 23:49:59              Inj       :   10
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-15 23-12-34\Z1.M
Last changed    : 5/15/2018 5:12:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.615	BV S	7.85e-3	3435.94238	7351.55078	1.05497
2	0.634	VB S	0.0166	3.01487e5	3.01805e5	92.56808
3	1.464	BB	0.0205	2437.52222	1816.84827	0.74841
4	1.667	BB S	0.0265	1.83240e4	9193.13770	5.62617
5	1.923	BB	0.0249	3.83387	2.22353	0.00118
6	2.312	BB	0.0317	3.90102	1.86033	0.00120

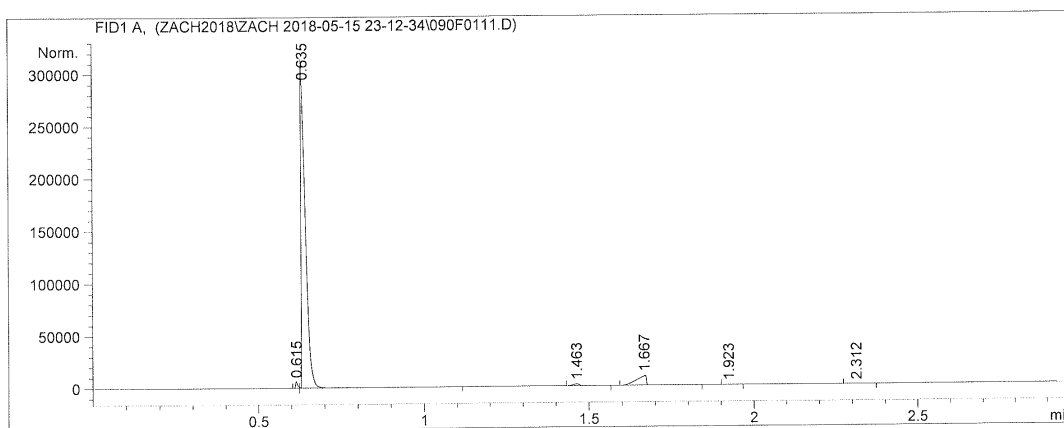
```
Totals :                      3.25692e5  3.20171e5
```

Benzaldehyde: Sequence #3 – Run #11

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-15 23-12-34\090F0111.D
 Sample Name: Benzaldehyde run #6

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 15-May-18, 23:54:01              Inj       :   11
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-15 23-12-34\Z1.M
Last changed    : 5/15/2018 5:12:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

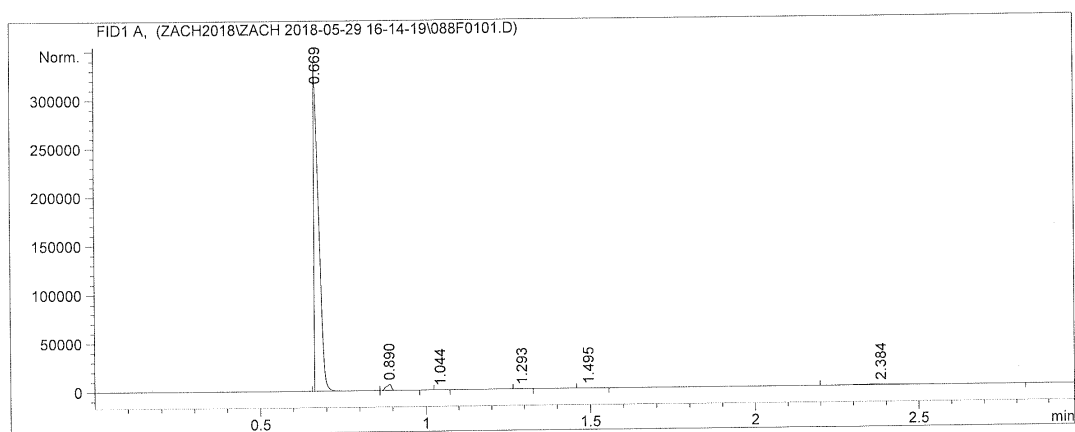
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.615	BV S	7.82e-3	2682.76514	5777.99512	0.86022
2	0.635	VB S	0.0160	2.88150e5	3.00451e5	92.39414
3	1.463	BB	0.0200	2223.20630	1706.88147	0.71286
4	1.667	BB S	0.0291	1.88065e4	9036.07617	6.03022
5	1.923	BB	0.0251	4.05855	2.33436	0.00130
6	2.312	BB	0.0331	3.95163	1.83606	0.00127

```
Totals :                      3.11870e5  3.16976e5
```

4-Nitrobenzaldehyde: Sequence #1 – Run #1

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 16-14-19\088F0101.D
 Sample Name: 4-Nitro

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 16:15:20              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 16-14-19\Z4.M
Last changed    : 5/29/2018 3:59:16 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

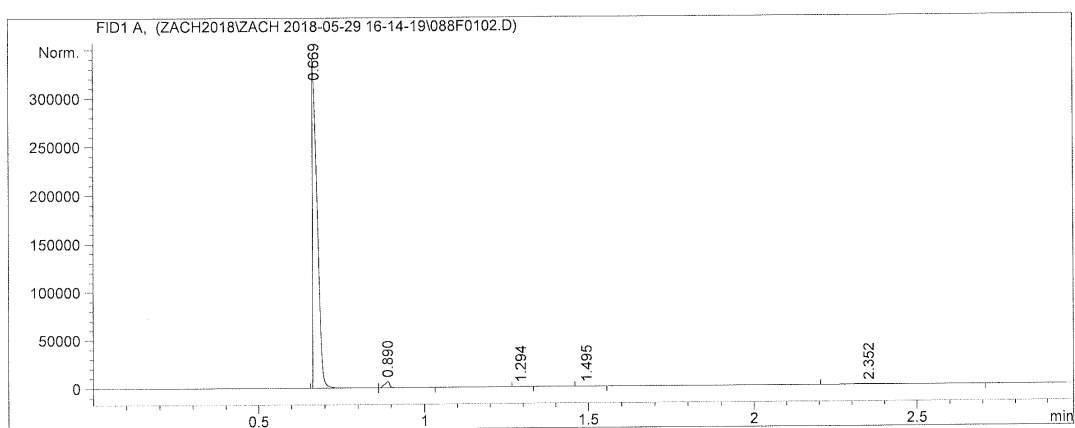
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.669	BV S	0.0171	3.34149e5	3.16640e5	95.76962
2	0.890	VB S	0.0188	6851.38330	6076.64404	1.96366
3	1.044	BB	0.0176	1.51650	1.29798	0.00043
4	1.293	BB	0.0173	1.58307	1.38658	0.00045
5	1.495	BB	0.0337	5.75305	2.53223	0.00165
6	2.384	BB	0.1091	7899.96582	941.55011	2.26419

Totals : 3.48909e5 3.23664e5

4-Nitrobenzaldehyde: Sequence #1 – Run #2

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 16-14-19\088F0102.D
 Sample Name: 4-Nitro

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 16:19:19              Inj       :    2
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 16-14-19\Z4.M
Last changed    : 5/29/2018 3:59:16 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.669	BV S	0.0175	3.35592e5	3.27938e5	96.94085
2	0.890	VB S	0.0179	6700.90674	6234.52588	1.93566
3	1.294	BB	0.0166	1.77508	1.64742	0.00051
4	1.495	BB	0.0329	5.49165	2.49539	0.00159
5	2.352	BB	0.1067	3882.07056	478.23267	1.12139

```
Totals :                      3.46183e5  3.34655e5
```

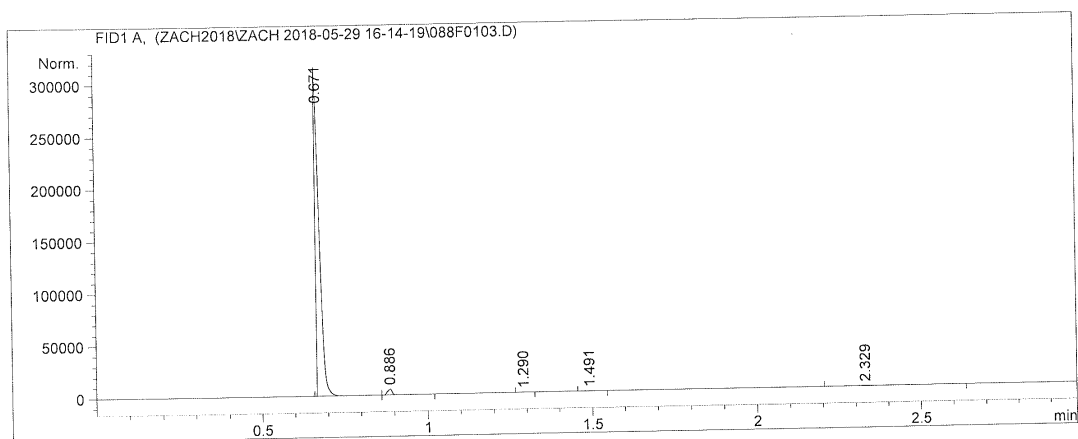
```
=====
*** End of Report ***
```

4-Nitrobenzaldehyde: Sequence #1 – Run #3

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 16-14-19\088F0103.D
 Sample Name: 4-Nitro

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 16:23:18              Inj       :    3
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 16-14-19\Z4.M
Last changed    : 5/29/2018 3:59:16 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.671	BV S	0.0143	2.62885e5	2.76500e5	97.39035
2	0.886	VB S	0.0167	5168.87402	5456.93457	1.91490
3	1.290	BB	0.0170	1.52161	1.36436	0.00056
4	1.491	BB	0.0331	4.21203	1.89621	0.00156
5	2.329	BB	0.1012	1869.59143	229.96245	0.69262

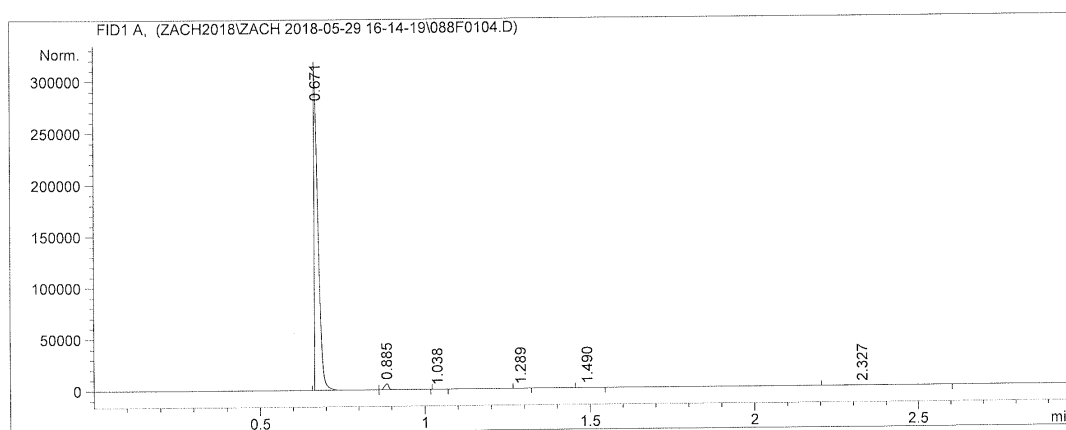
Totals : 2.69929e5 2.82190e5

```
=====
*** End of Report ***
```

4-Nitrobenzaldehyde: Sequence #1 – Run #4

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 16-14-19\088F0104.D
 Sample Name: 4-Nitro

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 16:27:17              Inj       :    4
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 16-14-19\Z4.M
Last changed    : 5/29/2018 3:59:16 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

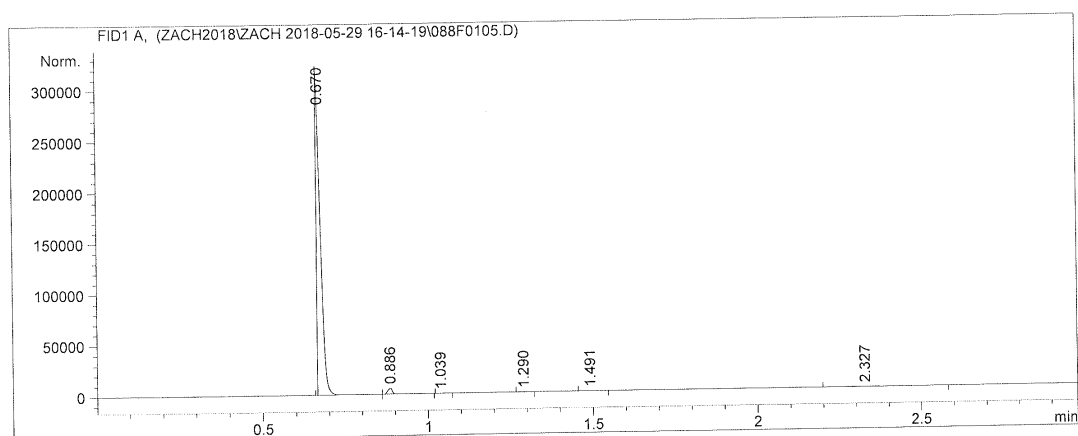
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.671	BV S	0.0142	2.60521e5	2.76749e5	97.61434
2	0.885	VB S	0.0145	5107.58447	5689.77441	1.91376
3	1.038	BB	0.0174	1.09389	1.01255	0.00041
4	1.289	BB	0.0165	1.43382	1.34024	0.00054
5	1.490	BB	0.0344	4.27502	1.88875	0.00160
6	2.327	BB	0.1042	1252.63428	155.87212	0.46935

```
Totals :                      2.66888e5  2.82599e5
```

4-Nitrobenzaldehyde: Sequence #1 – Run #5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 16-14-19\088F0105.D
 Sample Name: 4-Nitro

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 16:31:19              Inj       :    5
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 16-14-19\Z4.M
Last changed    : 5/29/2018 3:59:16 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

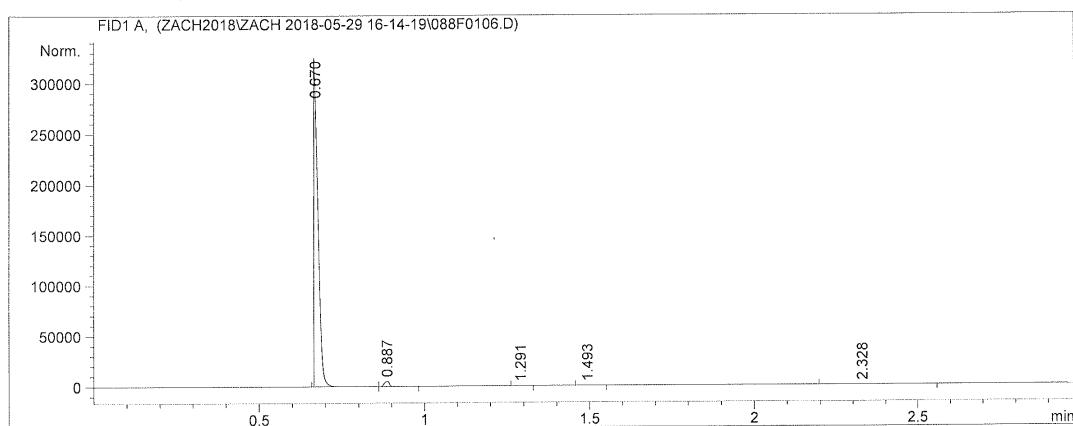
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.670	BV S	0.0143	2.67463e5	2.81173e5	97.79083
2	0.886	VB S	0.0155	5234.57666	5725.63086	1.91388
3	1.039	BB	0.0180	1.18639	1.05226	0.00043
4	1.290	BB	0.0167	1.58937	1.46086	0.00058
5	1.491	BB	0.0339	4.50931	1.96922	0.00165
6	2.327	BB	0.1008	800.34491	99.75164	0.29263

```
Totals :                      2.73505e5  2.87003e5
```


4-Nitrobenzaldehyde: Sequence #1 – Run #6

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 16-14-19\088F0106.D
 Sample Name: 4-Nitro

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 16:35:18              Inj       :    6
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 16-14-19\Z4.M
Last changed    : 5/29/2018 3:59:16 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.670	BV S	0.0146	2.75105e5	2.81086e5	97.95815
2	0.887	VB S	0.0175	5215.98096	5102.28223	1.85728
3	1.291	BB	0.0200	1.74929	1.41725	0.00062
4	1.493	BB	0.0325	4.34607	1.94371	0.00155
5	2.328	BB	0.0978	512.23474	64.84161	0.18239

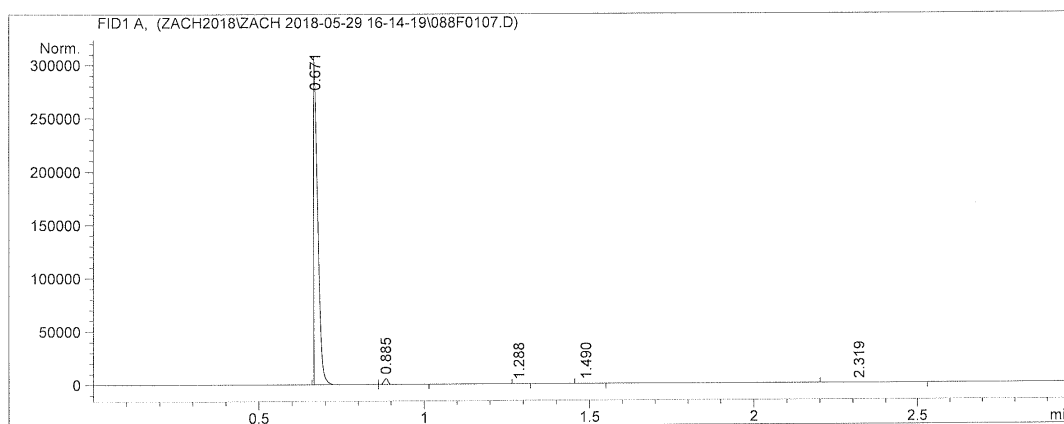
```
Totals :                      2.80839e5  2.86257e5
```

```
=====
*** End of Report ***
```

4-Nitrobenzaldehyde: Sequence #1 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 16-14-19\088F0107.D
 Sample Name: 4-Nitro

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 16:39:17              Inj       :    7
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 16-14-19\Z4.M
Last changed    : 5/29/2018 3:59:16 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.671	BV S	0.0139	2.49992e5	2.72228e5	98.02378
2	0.885	VB S	0.0142	4744.07471	5426.51270	1.86019
3	1.288	BB	0.0172	1.39078	1.30630	0.00055
4	1.490	BB	0.0357	3.96270	1.72165	0.00155
5	2.319	BB	0.1025	290.58310	37.46468	0.11394

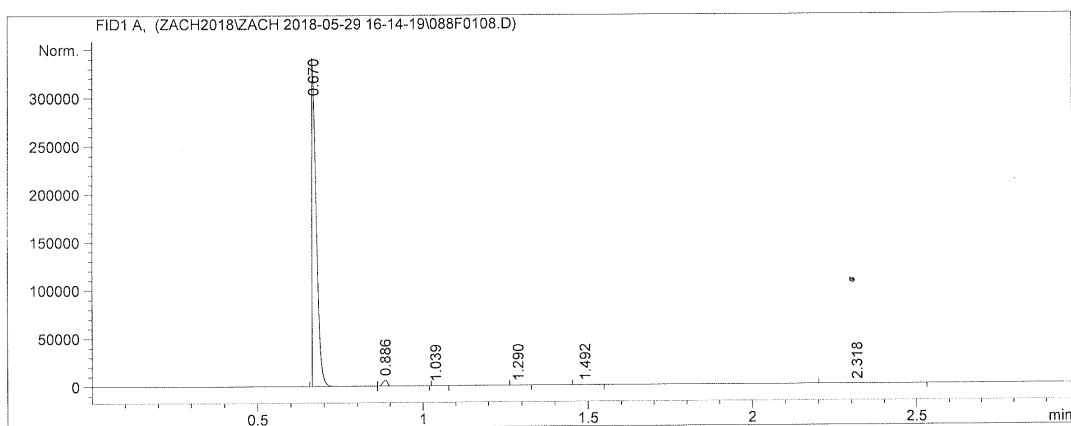
```
Totals :                      2.55032e5  2.77695e5
```

```
=====
*** End of Report ***
```

4-Nitrobenzaldehyde: Sequence #1 – Run #8

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 16-14-19\088F0108.D
 Sample Name: 4-Nitro

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 16:43:15              Inj       :    8
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 16-14-19\Z4.M
Last changed    : 5/29/2018 3:59:16 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

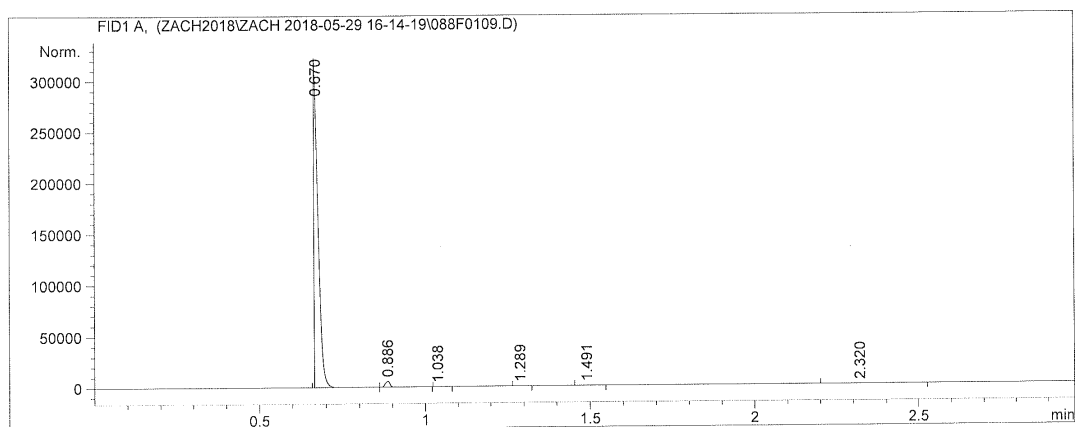
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.670	BV S	0.0159	3.03473e5	2.97777e5	98.00321
2	0.886	VB S	0.0171	5952.22852	6034.06152	1.92221
3	1.039	BB	0.0190	1.22535	1.06603	0.00040
4	1.290	BB	0.0193	1.93392	1.65158	0.00062
5	1.492	BB	0.0351	5.10393	2.19827	0.00165
6	2.318	BB	0.0961	222.69453	28.45996	0.07192

```
Totals :                      3.09656e5  3.03845e5
```

4-Nitrobenzaldehyde: Sequence #1 – Run #9

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 16-14-19\088F0109.D
 Sample Name: 4-Nitro

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 16:47:15              Inj       :    9
                                                Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 16-14-19\Z4.M
Last changed    : 5/29/2018 3:59:16 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

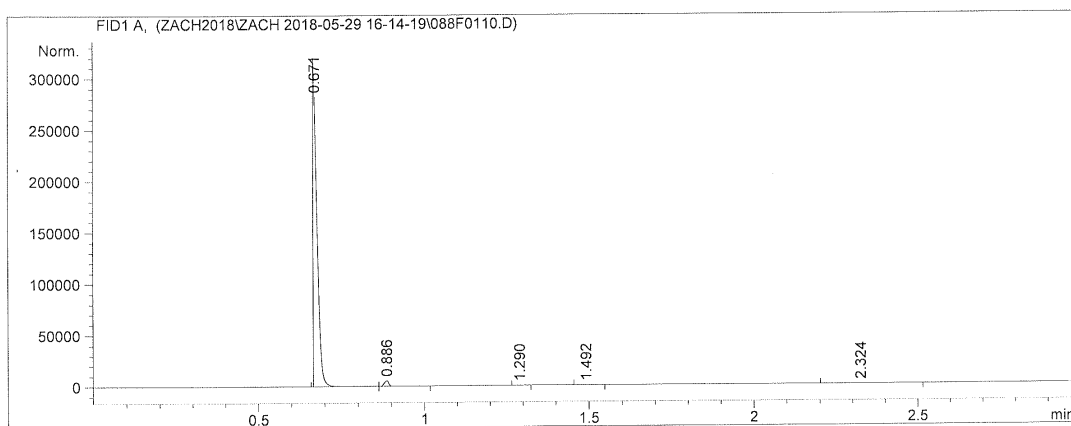
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.670	BV S	0.0144	2.70836e5	2.81138e5	97.95528
2	0.886	VB S	0.0158	5507.02637	5835.18896	1.99176
3	1.038	BB	0.0219	1.41960	1.06552	0.00051
4	1.289	BB	0.0184	1.80968	1.54758	0.00065
5	1.491	BB	0.0340	4.67354	2.03647	0.00169
6	2.320	BB	0.1017	138.51498	17.86034	0.05010

```
Totals :                      2.76490e5  2.86996e5
```

4-Nitrobenzaldehyde: Sequence #1 – Run #10

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 16-14-19\088F0110.D
 Sample Name: 4-Nitro

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 16:51:14              Inj       :   10
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 16-14-19\Z4.M
Last changed    : 5/29/2018 3:59:16 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.671	BV S	0.0140	2.61844e5	2.81947e5	98.13796
2	0.886	VB S	0.0163	4893.18604	5333.82910	1.83395
3	1.290	BB	0.0181	1.56289	1.37060	0.00059
4	1.492	BB	0.0328	4.27646	1.78431	0.00160
5	2.324	BB	0.0943	69.11596	9.01424	0.02590

Totals : 2.66812e5 2.87293e5

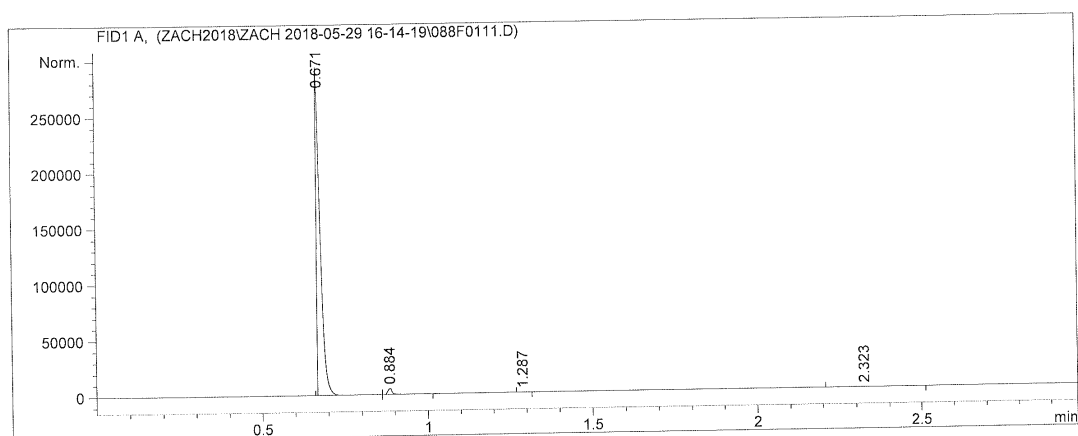
```
=====
*** End of Report ***
```


4-Nitrobenzaldehyde: Sequence #1 – Run #11

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 16-14-19\088F0111.D
 Sample Name: 4-Nitro

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 16:55:15              Inj       :   11
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 16-14-19\Z4.M
Last changed    : 5/29/2018 3:59:16 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.671	BV S	0.0136	2.42598e5	2.72269e5	98.11741
2	0.884	VB S	0.0142	4599.45459	5265.47900	1.86022
3	1.287	BB	0.0148	1.45628	1.46429	0.00059
4	2.323	BB	0.0944	53.83100	6.88318	0.02177

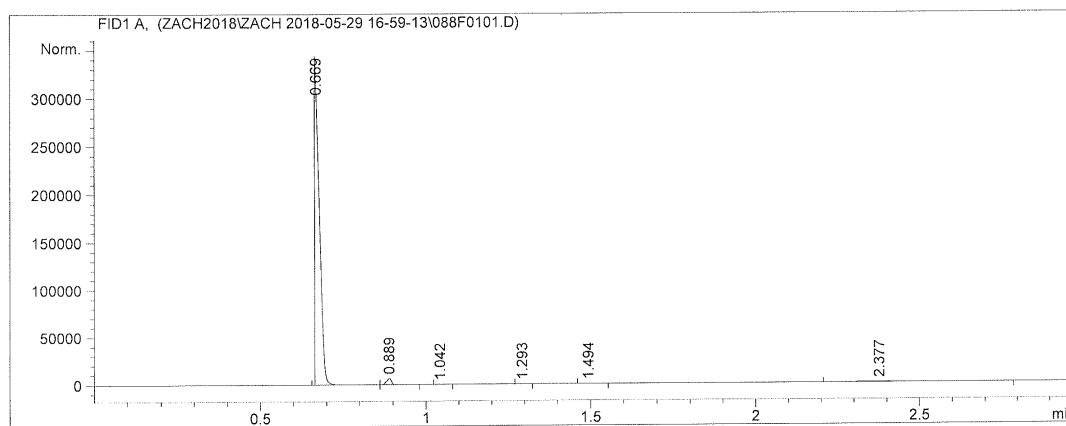
```
Totals :                      2.47253e5  2.77543e5
```

```
=====
*** End of Report ***
```

4-Nitrobenzaldehyde: Sequence #2 – Run #1

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 16-59-13\088F0101.D
 Sample Name: 4-Nitro

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 17:00:13              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 16-59-13\Z4.M
Last changed    : 5/29/2018 3:59:16 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.669	BV S	0.0167	3.24532e5	2.98835e5	96.26729
2	0.889	VB S	0.0159	6498.52930	6356.59912	1.92768
3	1.042	BB	0.0231	2.17349	1.44597	0.00064
4	1.293	BB	0.0171	1.61402	1.44041	0.00048
5	1.494	BB	0.0318	5.73568	2.55719	0.00170
6	2.377	BB	0.1037	6075.51123	740.47583	1.80220

```
Totals :                      3.37116e5  3.05937e5
```

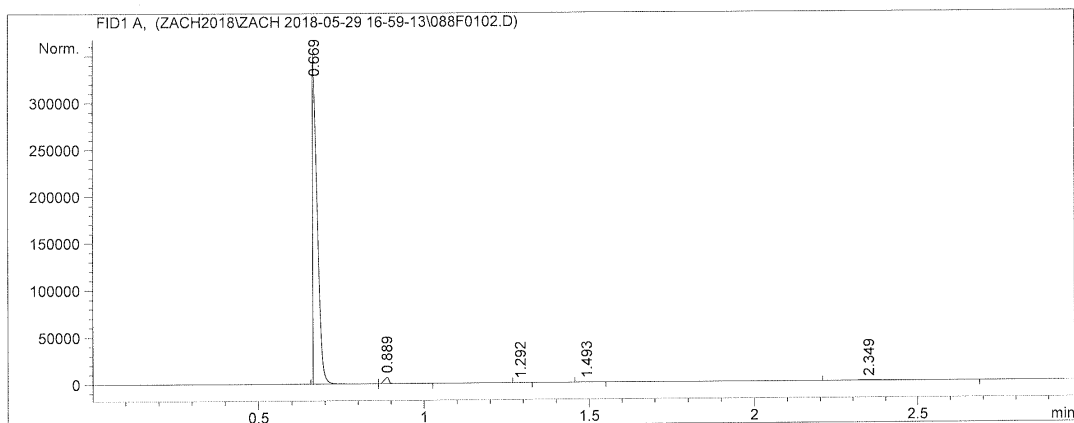

4-Nitrobenzaldehyde: Sequence #2 – Run #2

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 16-59-13\088F0102.D

Sample Name: 4-Nitro

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 88
Injection Date  : 29-May-18, 17:04:12              Inj       :    2
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 16-59-13\Z4.M
Last changed    : 5/29/2018 3:59:16 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.669	BV S	0.0152	3.27596e5	3.39909e5	97.02217
2	0.889	VB S	0.0156	6654.42432	6706.99756	1.97080
3	1.292	BB	0.0162	1.74457	1.67242	0.00052
4	1.493	BB	0.0336	5.61040	2.55914	0.00166
5	2.349	BB	0.1052	3392.88696	420.93555	1.00485

Totals : 3.37650e5 3.47041e5

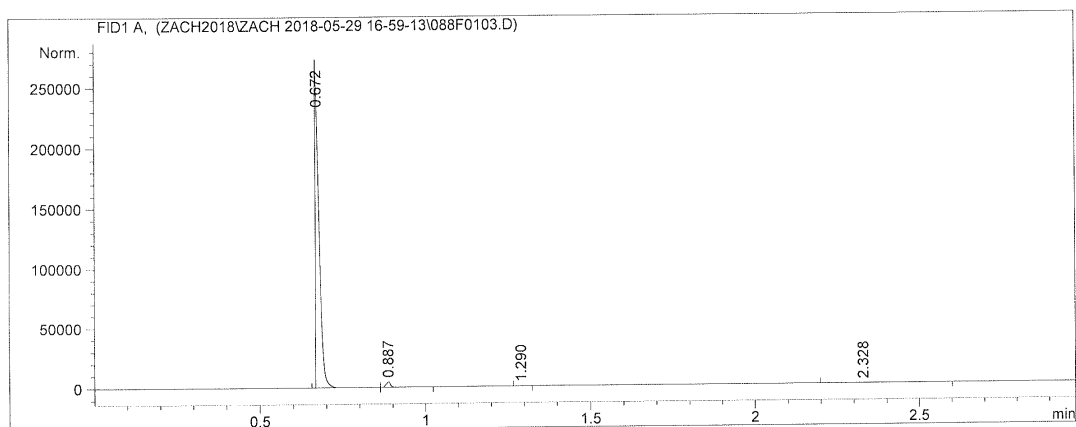
*** End of Report ***

4-Nitrobenzaldehyde: Sequence #2 – Run #3

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 16-59-13\088F0103.D
 Sample Name: 4-Nitro

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 17:08:11              Inj       :    3
                                                Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 16-59-13\Z4.M
Last changed    : 5/29/2018 3:59:16 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.672	BV S	0.0141	2.14149e5	2.30100e5	97.63661
2	0.887	VB S	0.0154	4047.05859	4444.16699	1.84517
3	1.290	BB	0.0176	1.37954	1.25437	0.00063
4	2.328	BB	0.0961	1135.26416	141.32401	0.51760

```
Totals :                      2.19333e5  2.34687e5
```

```
=====
*** End of Report ***
```

4-Nitrobenzaldehyde: Sequence #2 – Run #4

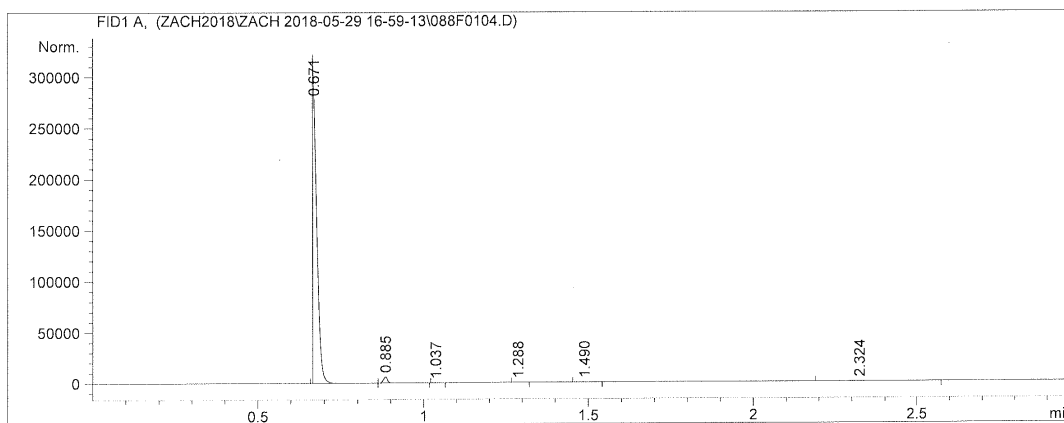
Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 16-59-13\088F0104.D

Sample Name: 4-Nitro

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 17:12:11              Inj       :    4
                                                Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 16-59-13\Z4.M
Last changed    : 5/29/2018 3:59:16 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



```

=====
Area Percent Report
=====

```

```

Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs

```

Signal 1: FID1 A,

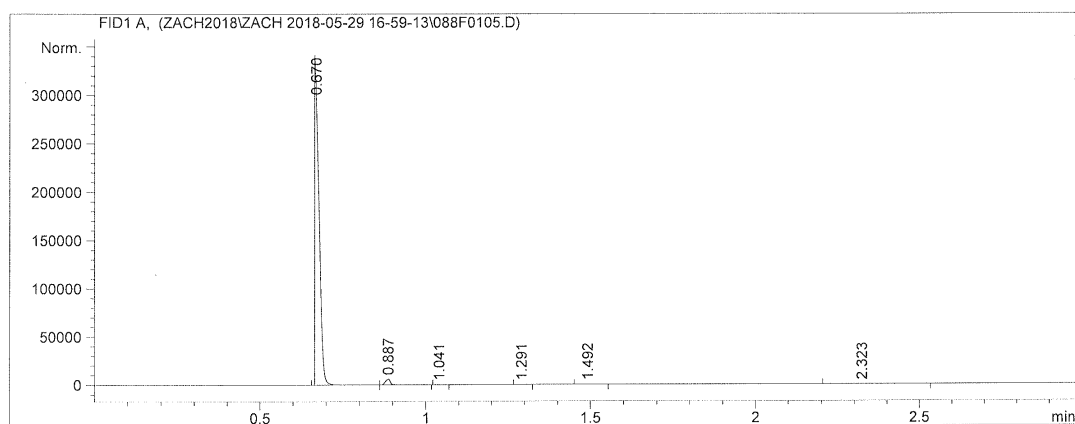
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.671	BV S	0.0141	2.59094e5	2.77666e5	97.78251
2	0.885	VB S	0.0141	5136.26953	5909.24805	1.93844
3	1.037	BB	0.0166	1.18287	1.09169	0.00045
4	1.288	BB	0.0172	1.60227	1.51011	0.00060
5	1.490	BB	0.0345	4.46531	1.90800	0.00169
6	2.324	BB	0.1108	732.14661	92.45499	0.27631

```
Totals :                2.64970e5  2.83672e5
```

4-Nitrobenzaldehyde: Sequence #2 – Run #5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 16-59-13\088F0105.D
 Sample Name: 4-Nitro

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 17:16:10              Inj       :    5
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 16-59-13\Z4.M
Last changed    : 5/29/2018 3:59:16 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.670	BV S	0.0167	3.01382e5	2.95926e5	98.00527
2	0.887	VB S	0.0166	5760.03564	5696.70654	1.87308
3	1.041	BB	0.0186	1.48375	1.18579	0.00048
4	1.291	BB	0.0181	1.92165	1.69195	0.00062
5	1.492	BB	0.0365	4.97839	2.09809	0.00162
6	2.323	BB	0.1092	365.71002	47.41178	0.11892

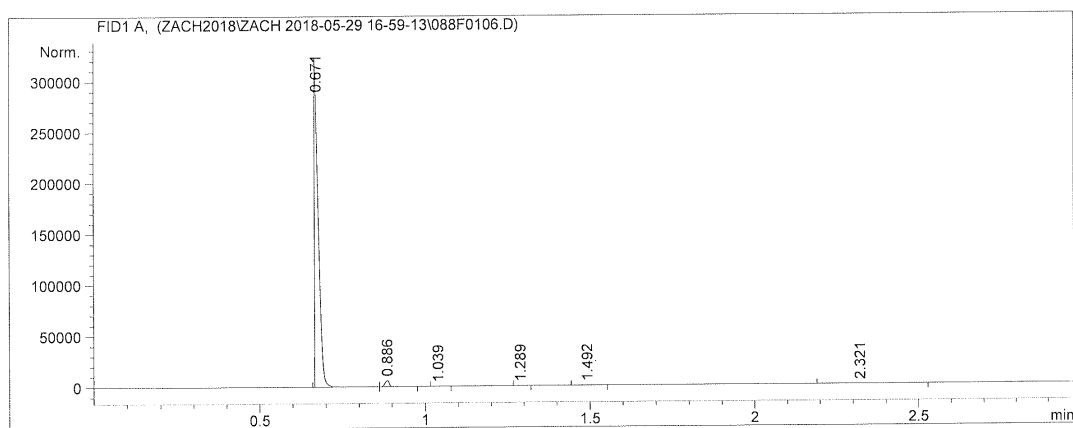
```
Totals :                      3.07516e5  3.01676e5
```

4-Nitrobenzaldehyde: Sequence #2 – Run #6

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 16-59-13\088F0106.D
 Sample Name: 4-Nitro

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 17:20:10              Inj       :    6
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 16-59-13\Z4.M
Last changed    : 5/29/2018 3:59:16 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

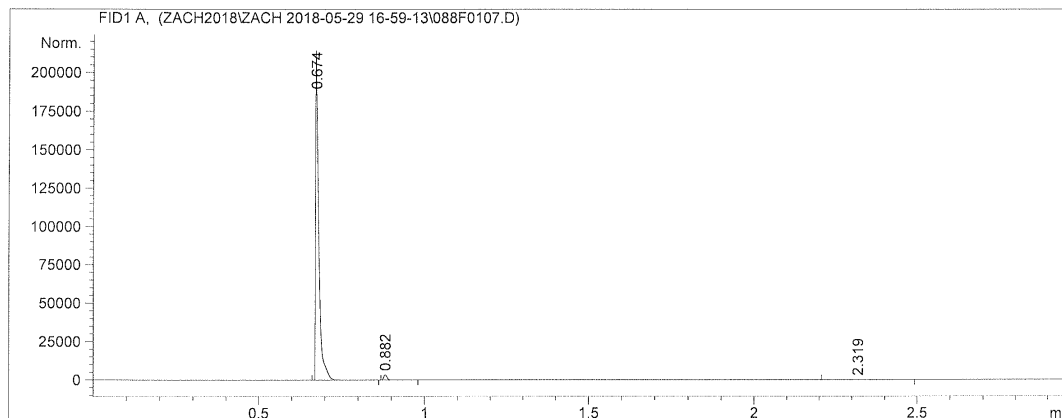
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.671	BV S	0.0138	2.59611e5	2.85434e5	98.00284
2	0.886	VB S	0.0139	5119.25293	6025.02588	1.93251
3	1.039	BB	0.0212	1.79486	1.21548	0.00068
4	1.289	BB	0.0166	1.47207	1.36412	0.00056
5	1.492	BB	0.0365	4.61502	1.94484	0.00174
6	2.321	BB	0.1103	163.37505	21.10670	0.06167

Totals : 2.64901e5 2.91485e5

4-Nitrobenzaldehyde: Sequence #2 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 16-59-13\088F0107.D
 Sample Name: 4-Nitro

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 17:24:09              Inj       :    7
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 16-59-13\Z4.M
Last changed    : 5/29/2018 3:59:16 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By           :      Signal
Multiplier           :      1.0000
Dilution             :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.674	BB S	0.0113	1.42429e5	1.86597e5	98.33766
2	0.882	BB S	0.0116	2363.96118	3275.75049	1.63216
3	2.319	BB	0.0917	43.71666	5.81511	0.03018

```
Totals :                      1.44836e5  1.89879e5
```

```
=====
*** End of Report ***
```

4-Nitrobenzaldehyde: Sequence #2 – Run #8

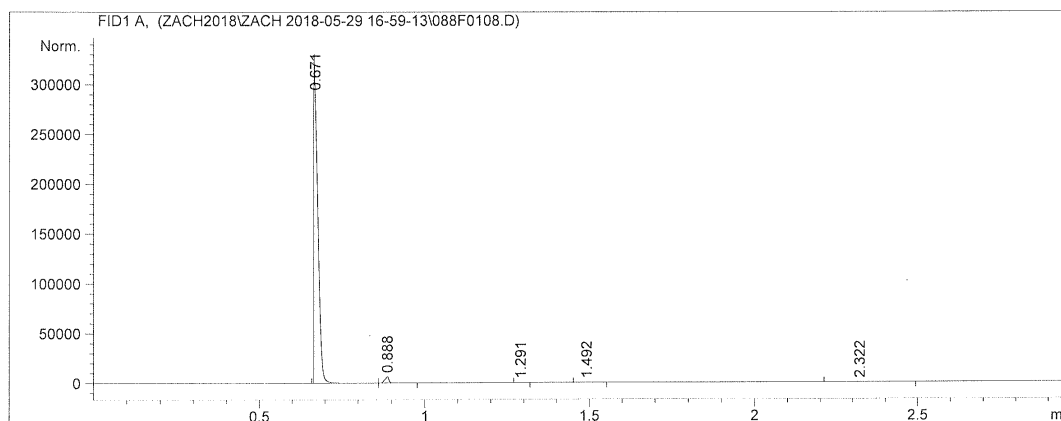
Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 16-59-13\088F0108.D

Sample Name: 4-Nitro

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 17:28:08              Inj       :    8
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 16-59-13\Z4.M
Last changed    : 5/29/2018 3:59:16 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



```

=====
                          Area Percent Report
=====

```

```

Sorted By       : Signal
Multiplier      : 1.0000
Dilution        : 1.0000
Use Multiplier & Dilution Factor with ISTDs

```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.671	BV S	0.0139	2.65739e5	2.90076e5	98.00969
2	0.888	VB S	0.0152	5343.83545	6002.72314	1.97091
3	1.291	BB	0.0156	1.66512	1.68156	0.00061
4	1.492	BB	0.0351	4.72869	2.09754	0.00174
5	2.322	BB	0.0934	46.19363	6.08113	0.01704

```
Totals :                      2.71135e5  2.96088e5
```

```

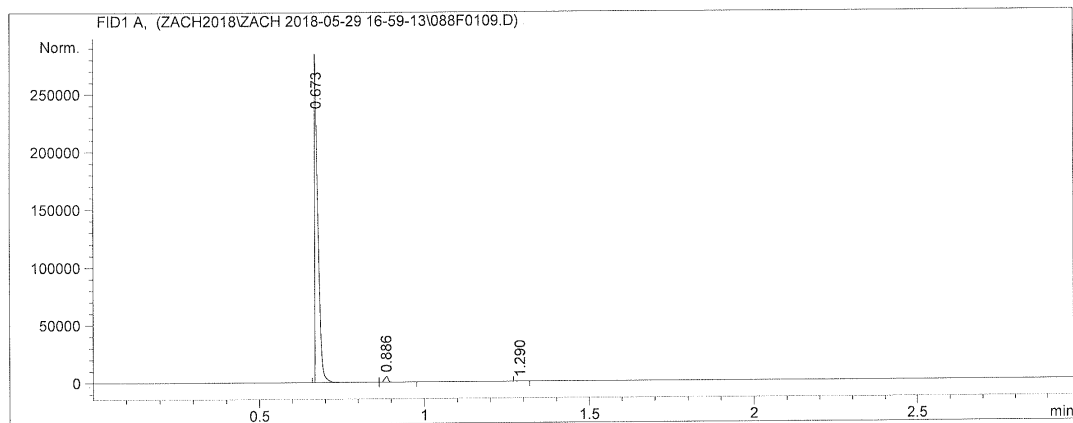
=====
*** End of Report ***
=====

```

4-Nitrobenzaldehyde: Sequence #2 – Run #9

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 16-59-13\088F0109.D
 Sample Name: 4-Nitro

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 17:32:07              Inj       :    9
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 16-59-13\Z4.M
Last changed    : 5/29/2018 3:59:16 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By           :      Signal
Multiplier          :      1.0000
Dilution            :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.673	BV S	0.0121	1.94481e5	2.33487e5	98.12624
2	0.886	VB S	0.0128	3712.55371	4936.35254	1.87319
3	1.290	BB	0.0136	1.12703	1.36747	0.00057

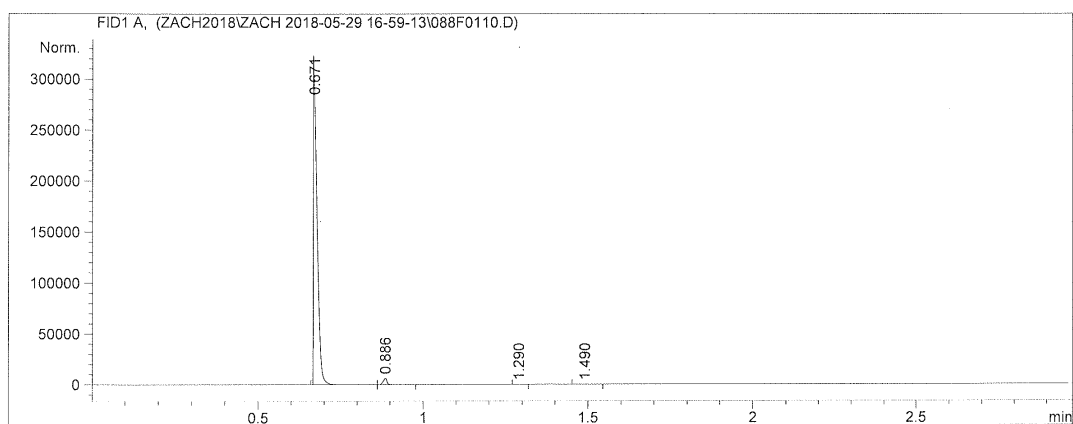
```
Totals :                      1.98194e5  2.38425e5
```

```
=====
*** End of Report ***
```


4-Nitrobenzaldehyde: Sequence #2 – Run #10

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 16-59-13\088F0110.D
 Sample Name: 4-Nitro

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 17:36:09              Inj       :   10
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 16-59-13\Z4.M
Last changed    : 5/29/2018 3:59:16 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.671	BV S	0.0135	2.46808e5	2.80625e5	98.07639
2	0.886	VB S	0.0123	4835.11914	6201.91309	1.92137
3	1.290	BB	0.0162	1.66725	1.60085	0.00066
4	1.490	BB	0.0313	3.95508	1.79408	0.00157

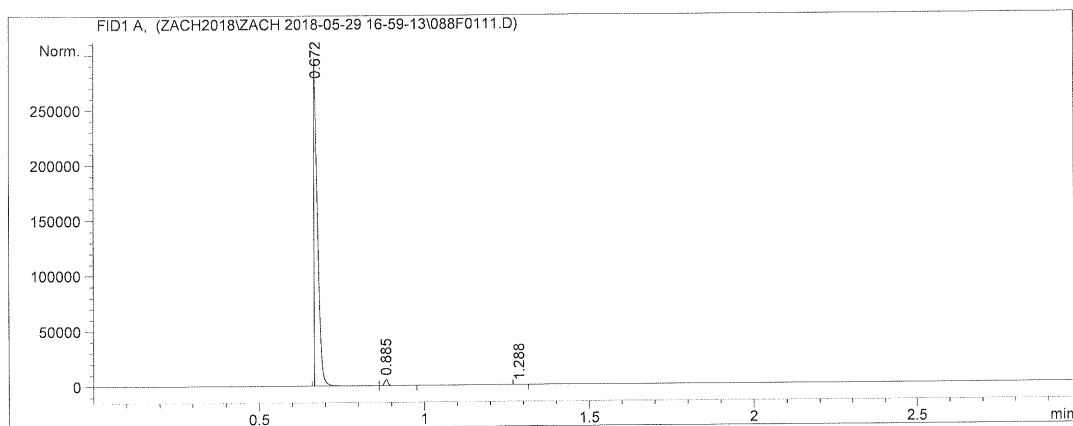
```
Totals :                      2.51649e5  2.86830e5
```

```
=====
*** End of Report ***
```

4-Nitrobenzaldehyde: Sequence #2 – Run #11

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 16-59-13\088F0111.D
 Sample Name: 4-Nitro

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 17:40:08              Inj       :   11
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 16-59-13\Z4.M
Last changed    : 5/29/2018 3:59:16 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.672	BV S	0.0122	2.12131e5	2.75414e5	98.17169
2	0.885	VB S	0.0126	3949.24731	5228.39844	1.82766
3	1.288	BB	0.0148	1.40533	1.51966	0.00065

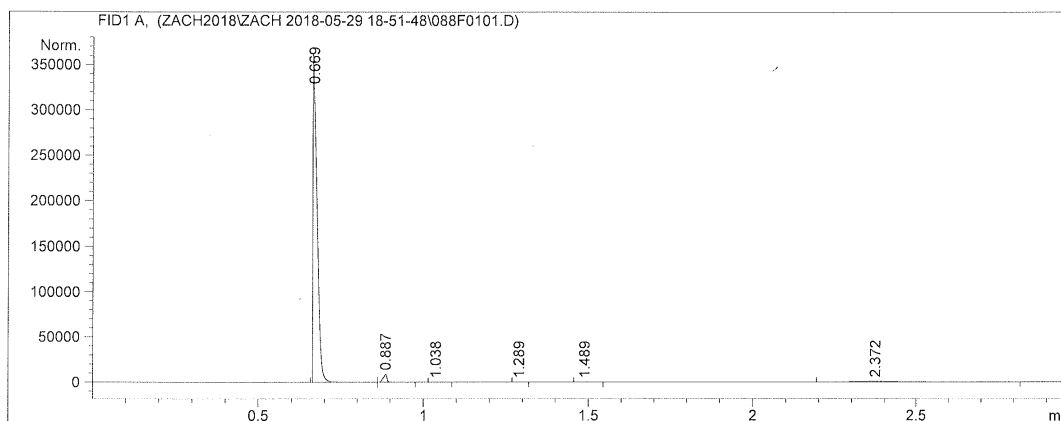
```
Totals :                      2.16082e5  2.80644e5
```

```
=====
*** End of Report ***
=====
```

4-Nitrobenzaldehyde: Sequence #3 – Run #1

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 18-51-48\088F0101.D
 Sample Name: 4-Nitro

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 18:53:01              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 18-51-48\Z4.M
Last changed    : 5/29/2018 3:59:16 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By           :      Signal
Multiplier          :      1.0000
Dilution            :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.669	BV S	0.0150	3.04895e5	3.24206e5	95.33620
2	0.887	VB S	0.0119	6947.85400	8568.84180	2.17249
3	1.038	BB	0.0188	2.28733	1.80713	0.00072
4	1.289	BB	0.0147	1.60772	1.76024	0.00050
5	1.489	BB	0.0319	5.93871	2.80066	0.00186
6	2.372	BB	0.1104	7957.60352	959.15961	2.48823

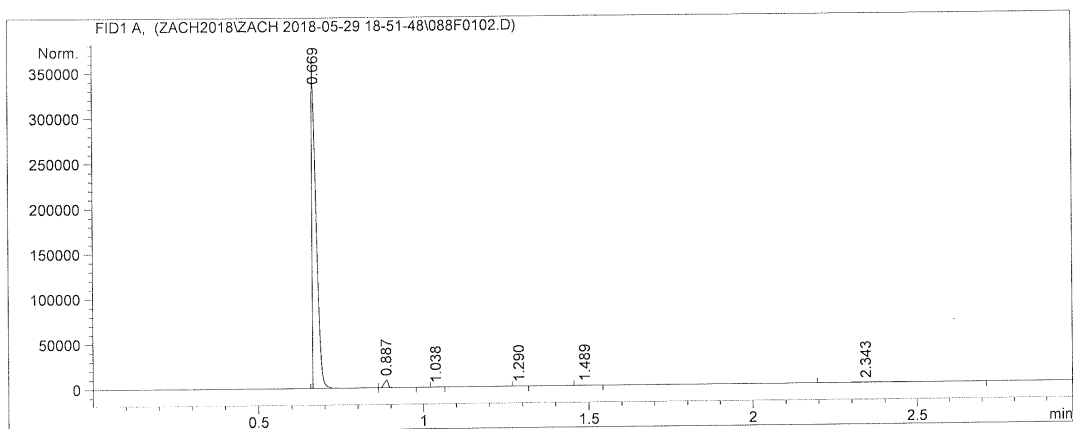
```
Totals :                      3.19810e5  3.33740e5
```

4-Nitrobenzaldehyde: Sequence #3 – Run #2

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 18-51-48\088F0102.D
 Sample Name: 4-Nitro

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 18:57:00              Inj       :    2
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 18-51-48\Z4.M
Last changed    : 5/29/2018 3:59:16 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

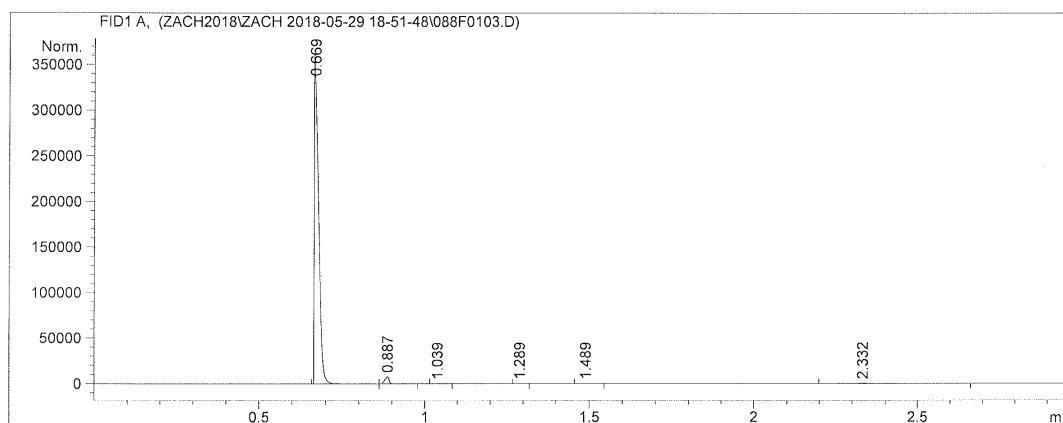
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.669	BV S	0.0149	3.10690e5	3.32140e5	96.48590
2	0.887	VB S	0.0147	6918.38428	8171.41016	2.14853
3	1.038	BB	0.0163	1.82323	1.72897	0.00057
4	1.290	BB	0.0150	1.68746	1.78886	0.00052
5	1.489	BB	0.0314	5.74289	2.76551	0.00178
6	2.343	BB	0.1072	4387.97852	547.00543	1.36270

```
Totals :                      3.22006e5  3.40865e5
```

4-Nitrobenzaldehyde: Sequence #3 – Run #3

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 18-51-48\088F0103.D
 Sample Name: 4-Nitro

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 88
Injection Date  : 29-May-18, 19:01:01              Inj       :    3
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 18-51-48\Z4.M
Last changed    : 5/29/2018 3:59:16 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

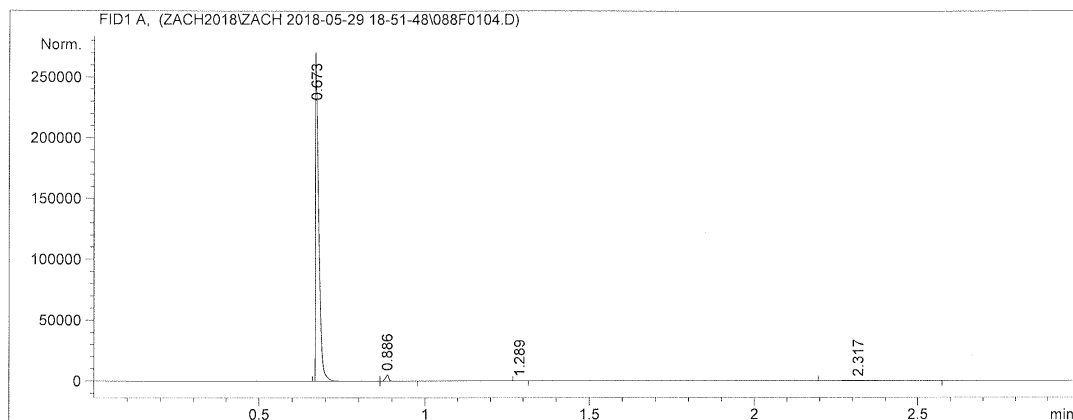
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.669	BV S	0.0148	3.17450e5	3.42772e5	97.14309
2	0.887	VB S	0.0152	6664.15430	7475.63232	2.03930
3	1.039	BB	0.0182	2.05062	1.68229	0.00063
4	1.289	BB	0.0155	1.82303	1.85254	0.00056
5	1.489	BB	0.0319	5.71959	2.70132	0.00175
6	2.332	BB	0.1146	2662.23999	333.83701	0.81467

```
Totals :                      3.26786e5  3.50588e5
```

4-Nitrobenzaldehyde: Sequence #3 – Run #4

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 18-51-48\088F0104.D
 Sample Name: 4-Nitro

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 19:05:00              Inj       :    4
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 18-51-48\Z4.M
Last changed    : 5/29/2018 3:59:16 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.673	BV S	0.0116	1.79402e5	2.27693e5	97.67805
2	0.886	VB S	0.0111	3403.40869	5019.23926	1.85303
3	1.289	BB	0.0140	1.13266	1.32099	0.00062
4	2.317	BB	0.1028	860.11536	110.53202	0.46830

```
Totals :                      1.83667e5  2.32824e5
```

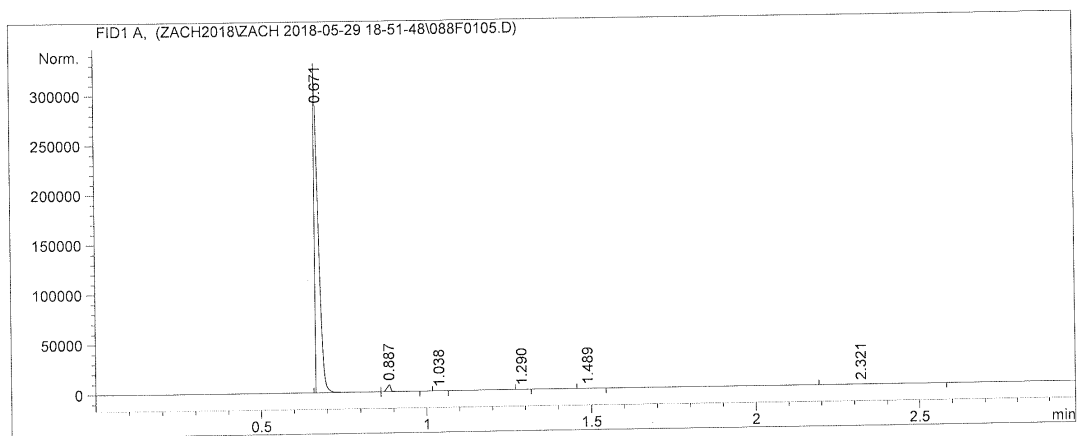
```
=====
*** End of Report ***
```

4-Nitrobenzaldehyde: Sequence #3 – Run #5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 18-51-48\088F0105.D
 Sample Name: 4-Nitro

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 19:09:00              Inj       :    5
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 18-51-48\Z4.M
Last changed    : 5/29/2018 3:59:16 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.671	BV S	0.0138	2.60417e5	2.86618e5	97.66836
2	0.887	VB S	0.0116	5355.15430	6767.44141	2.00843
3	1.038	BB	0.0167	1.35258	1.24116	0.00051
4	1.290	BB	0.0148	1.44667	1.55898	0.00054
5	1.489	BB	0.0326	4.42653	2.03461	0.00166
6	2.321	BB	0.0962	854.56799	109.09814	0.32050

```
Totals :                      2.66634e5  2.93499e5
```

4-Nitrobenzaldehyde: Sequence #3 – Run #6

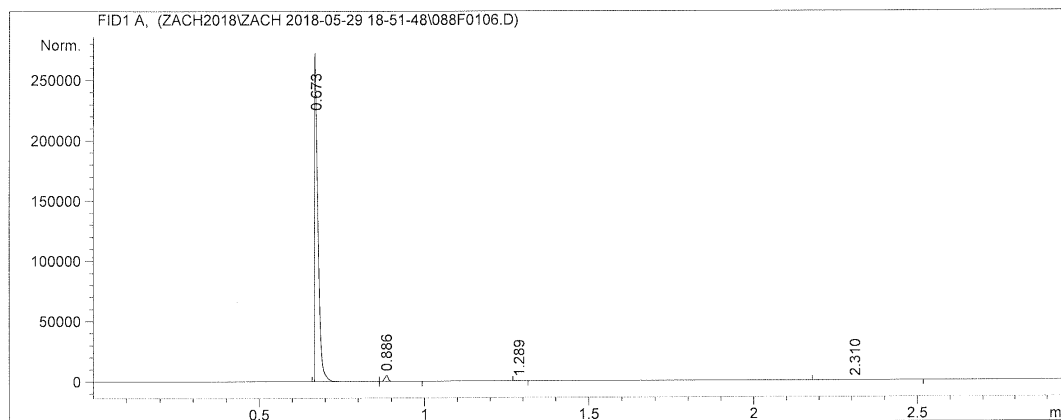
Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 18-51-48\088F0106.D

Sample Name: 4-Nitro

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 19:12:59              Inj       :    6
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 18-51-48\Z4.M
Last changed    : 5/29/2018 3:59:16 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



```

=====
                          Area Percent Report
=====

```

```

Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs

```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.673	BV S	0.0119	1.81240e5	2.21520e5	97.92793
2	0.886	VB S	0.0115	3496.59106	4935.98682	1.88929
3	1.289	BB	0.0145	1.11186	1.23851	0.00060
4	2.310	BB	0.1095	337.17627	44.76065	0.18218

```
Totals :                      1.85075e5  2.26502e5
```

```

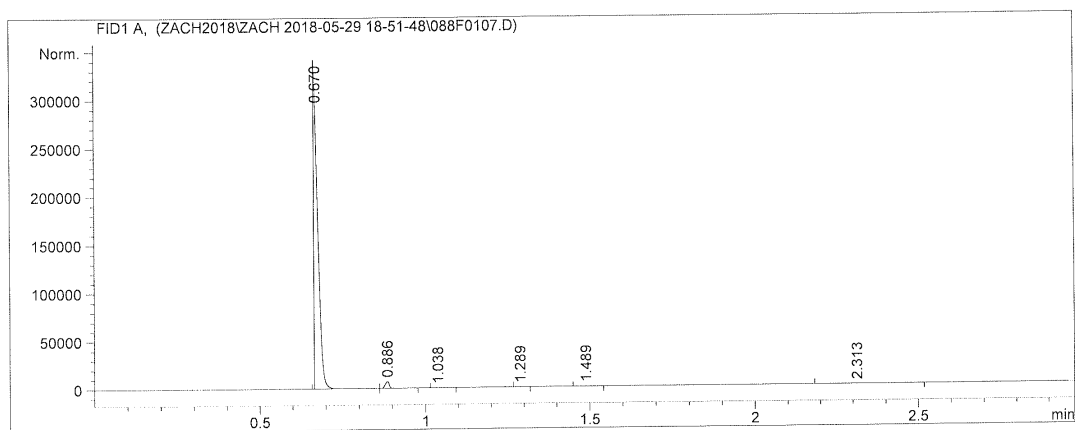
=====
*** End of Report ***

```


4-Nitrobenzaldehyde: Sequence #3 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 18-51-48\088F0107.D
 Sample Name: 4-Nitro

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 19:17:00              Inj       :    7
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 18-51-48\Z4.M
Last changed    : 5/29/2018 3:59:16 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

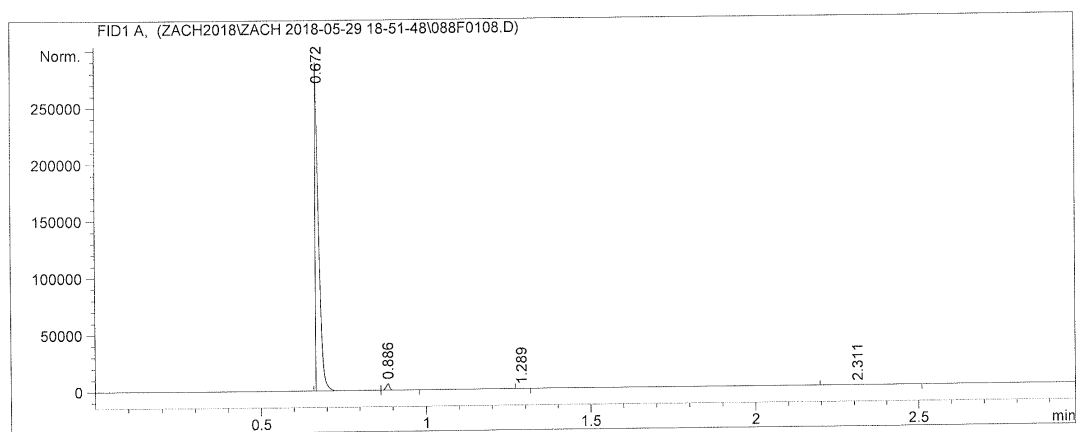
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.670	BV S	0.0144	2.80921e5	2.92598e5	97.86116
2	0.886	VB S	0.0135	5801.82080	7097.06689	2.02112
3	1.038	BB	0.0190	1.74425	1.35664	0.00061
4	1.289	BB	0.0154	1.68174	1.71897	0.00059
5	1.489	BB	0.0341	4.87395	2.17496	0.00170
6	2.313	BB	0.1074	329.62985	44.00717	0.11483

```
Totals :                      2.87060e5  2.99744e5
```

4-Nitrobenzaldehyde: Sequence #3 – Run #8

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 18-51-48\088F0108.D
 Sample Name: 4-Nitro

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 19:21:00              Inj       :    8
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 18-51-48\Z4.M
Last changed    : 5/29/2018 3:59:16 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.672	BV S	0.0120	2.05161e5	2.70805e5	98.02576
2	0.886	VB S	0.0114	3978.00317	5646.79639	1.90068
3	1.289	BB	0.0154	1.33293	1.36660	0.00064
4	2.311	BB	0.0993	152.60596	20.59155	0.07291

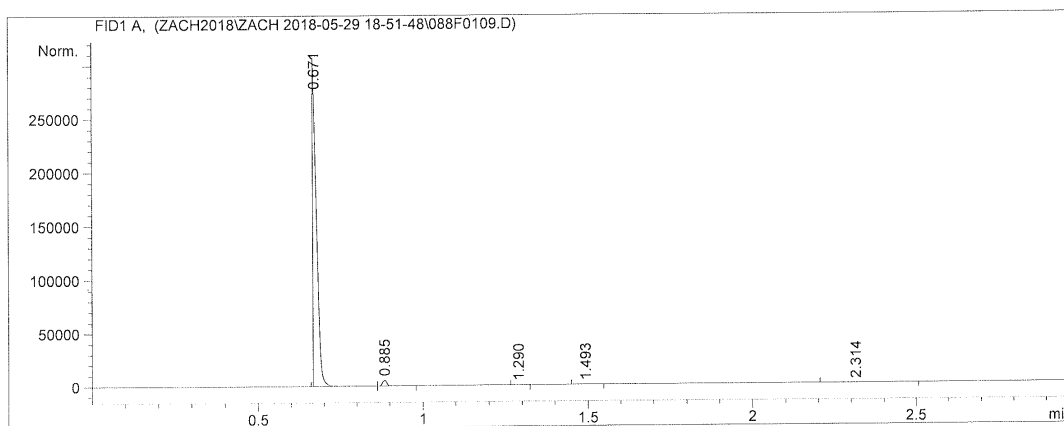
```
Totals :                      2.09293e5  2.76474e5
```

```
=====
*** End of Report ***
```

4-Nitrobenzaldehyde: Sequence #3 – Run #9

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 18-51-48\088F0109.D
 Sample Name: 4-Nitro

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 19:25:01              Inj       :    9
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 18-51-48\Z4.M
Last changed    : 5/29/2018 3:59:16 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By           :      Signal
Multiplier           :      1.0000
Dilution             :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.671	BV S	0.0134	2.39564e5	2.74024e5	98.07263
2	0.885	VB S	0.0143	4582.50146	5208.89111	1.87598
3	1.290	BB	0.0164	1.32102	1.32323	0.00054
4	1.493	BB	0.0356	3.66822	1.54992	0.00150
5	2.314	BB	0.0999	120.53583	16.29247	0.04934

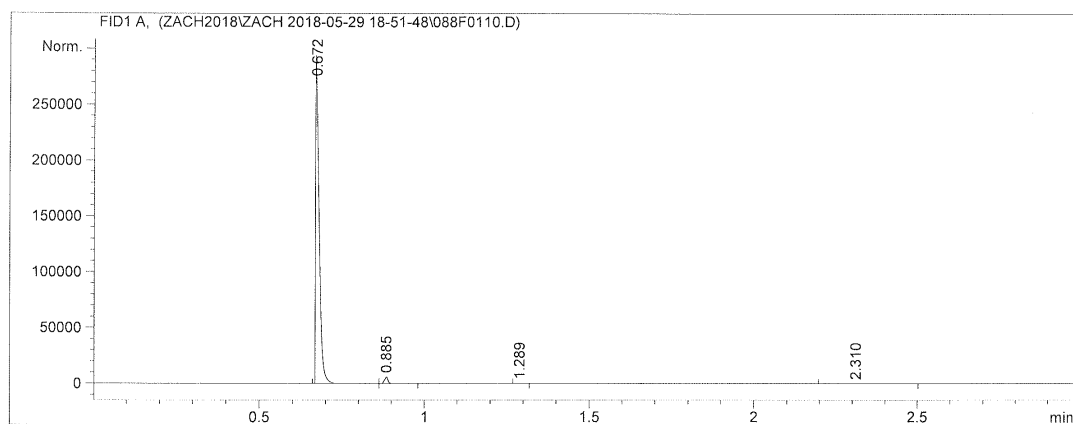
```
Totals :                      2.44272e5  2.79252e5
```

```
=====
*** End of Report ***
```

4-Nitrobenzaldehyde: Sequence #3 – Run #10

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 18-51-48\088F0110.D
 Sample Name: 4-Nitro

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 19:29:00              Inj       :   10
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 18-51-48\Z4.M
Last changed    : 5/29/2018 3:59:16 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.672	BV S	0.0126	2.20533e5	2.72316e5	98.09964
2	0.885	VB S	0.0122	4195.81201	5726.17480	1.86642
3	1.289	BB	0.0152	1.56865	1.63487	0.00070
4	2.310	BB	0.1009	74.72410	10.08297	0.03324

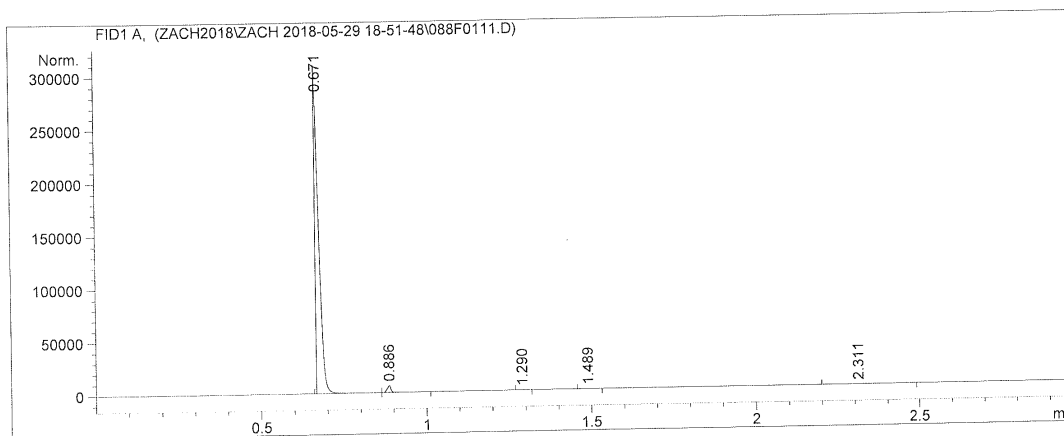
```
Totals :                      2.24805e5  2.78054e5
```

```
=====
*** End of Report ***
```

4-Nitrobenzaldehyde: Sequence #3 – Run #11

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 18-51-48\088F0111.D
 Sample Name: 4-Nitro

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 19:33:00              Inj       : 11
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 18-51-48\Z4.M
Last changed    : 5/29/2018 3:59:16 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.671	BV S	0.0132	2.40613e5	2.80724e5	97.96990
2	0.886	VB S	0.0127	4923.48096	6466.34961	2.00469
3	1.290	BB	0.0154	1.43042	1.47002	0.00058
4	1.489	BB	0.0296	3.75684	1.88932	0.00153
5	2.311	BB	0.0960	57.23847	7.87122	0.02331

Totals : 2.45598e5 2.87202e5

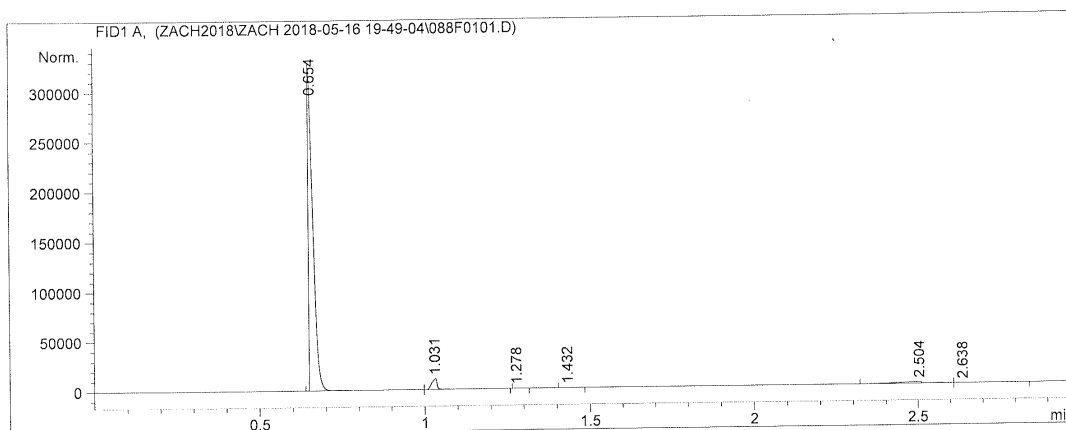
```
=====
*** End of Report ***
```

4-Cyanobenzaldehyde: Sequence #1 – Run #1

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-16 19-49-04\088F0101.D
 Sample Name: 4-cyano-4

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 16-May-18, 19:50:04              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-16 19-49-04\Z1.M
Last changed    : 5/16/2018 7:43:44 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.654	BV S	0.0173	3.13711e5	2.92288e5	93.82697
2	1.031	VB S	0.0198	1.20648e4	1.04775e4	3.60842
3	1.278	BB	0.0169	1.67413	1.60990	0.00050
4	1.432	BB	0.0235	23.76753	15.52111	0.00711
5	2.504	BV	0.0673	8281.51660	1507.75049	2.47689
6	2.638	VB	0.0707	267.82822	52.54392	0.08010

```
Totals :                      3.34351e5  3.04343e5
```

4-Cyanobenzaldehyde: Sequence #1 – Run #2

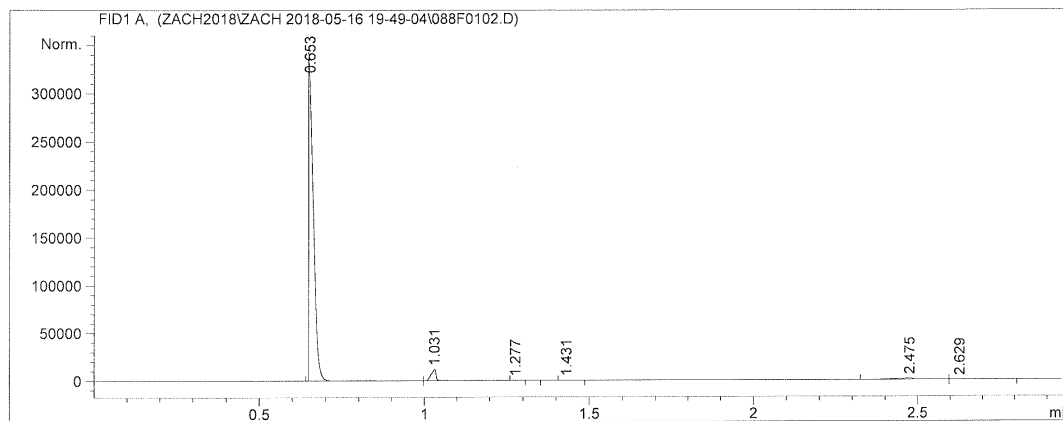
Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-16 19-49-04\088F0102.D

Sample Name: 4-cyano-4

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 16-May-18, 19:54:09              Inj       :    2
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-16 19-49-04\Z1.M
Last changed    : 5/16/2018 7:43:44 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



```

=====
                          Area Percent Report
=====

```

```

Sorted By           :      Signal
Multiplier          :      1.0000
Dilution            :      1.0000
Use Multiplier & Dilution Factor with ISTDs

```

Signal 1: FID1 A,

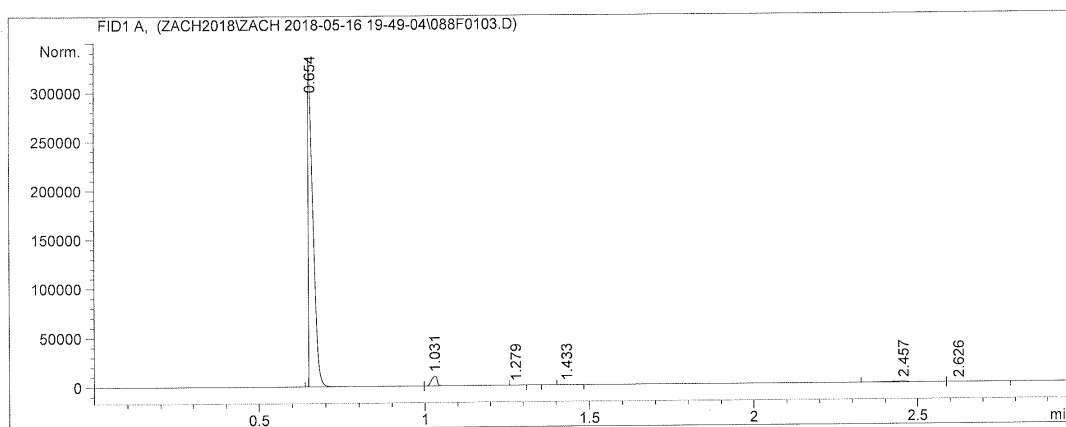
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.653	BV S	0.0155	3.25230e5	3.29937e5	94.70268
2	1.031	VB S	0.0191	1.23296e4	1.13536e4	3.59023
3	1.277	BB X	0.0197	3.34977	2.49111	0.00098
4	1.431	BB	0.0223	23.67483	16.52523	0.00689
5	2.475	BV	0.0672	5627.30176	1123.90955	1.63860
6	2.629	VB	0.0707	208.19022	41.36860	0.06062

```
Totals :                      3.43422e5  3.42475e5
```

4-Cyanobenzaldehyde: Sequence #1 – Run #3

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-16 19-49-04\088F0103.D
 Sample Name: 4-cyano-4

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 16-May-18, 19:58:09              Inj       :    3
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-16 19-49-04\Z1.M
Last changed    : 5/16/2018 7:43:44 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By       :      Signal
Multiplier      :      1.0000
Dilution        :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.654	BV S	0.0176	3.22896e5	2.94983e5	95.18768
2	1.031	VB S	0.0207	1.21169e4	9851.31055	3.57198
3	1.279	BB X	0.0228	3.43033	2.32748	0.00101
4	1.433	BB	0.0236	23.67886	15.37795	0.00698
5	2.457	BV	0.0706	4004.38208	819.56787	1.18047
6	2.626	VB	0.0711	176.01744	34.27572	0.05189

```
Totals :                      3.39220e5  3.05706e5
```


4-Cyanobenzaldehyde: Sequence #1 – Run #4

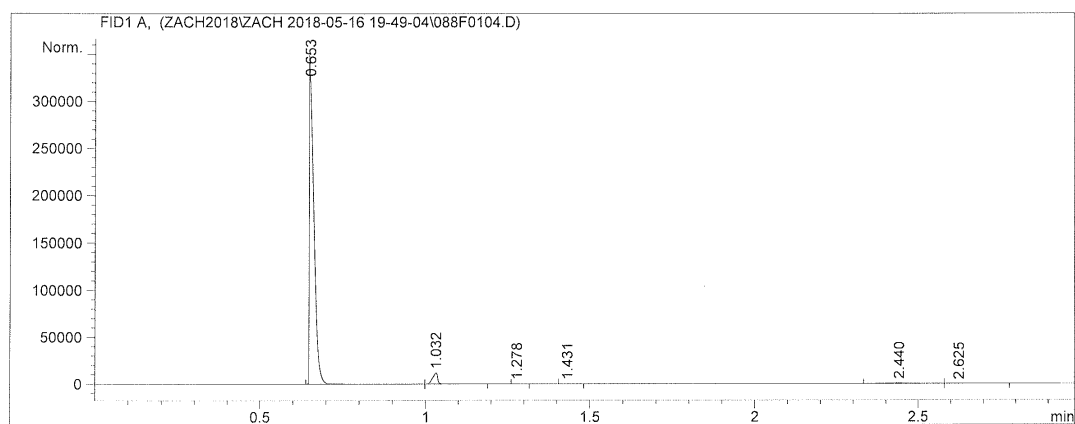
Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-16 19-49-04\088F0104.D

Sample Name: 4-cyano-4

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 16-May-18, 20:02:09              Inj       :    4
                                                Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-16 19-49-04\Z1.M
Last changed    : 5/16/2018 7:43:44 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



```

=====
Area Percent Report
=====

```

```

Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs

```

Signal 1: FID1 A,

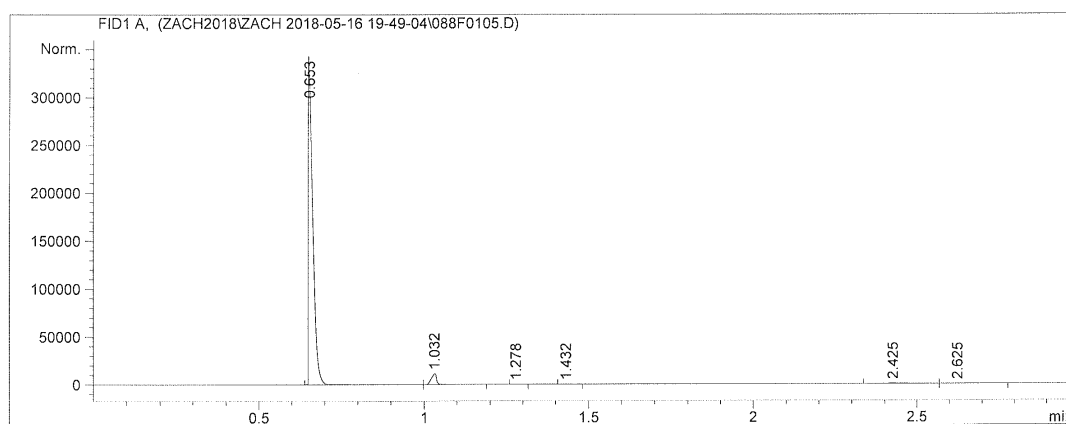
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.653	BV S	0.0156	3.25710e5	3.27697e5	95.39503
2	1.032	VB S	0.0185	1.27386e4	1.15229e4	3.73092
3	1.278	BB	0.0190	2.77129	2.27096	0.00081
4	1.431	BB	0.0223	24.35153	16.99711	0.00713
5	2.440	BV	0.0718	2797.86499	593.52667	0.81945
6	2.625	VB	0.0721	159.27954	30.51126	0.04665

```
Totals :                      3.41433e5  3.39863e5
```

4-Cyanobenzaldehyde: Sequence #1 – Run #5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-16 19-49-04\088F0105.D
 Sample Name: 4-cyano-4

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 16-May-18, 20:06:09              Inj       :    5
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-16 19-49-04\Z1.M
Last changed    : 5/16/2018 7:43:44 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.653	BV S	0.0166	3.19638e5	2.95189e5	95.76318
2	1.032	VB S	0.0188	1.24943e4	1.10512e4	3.74327
3	1.278	BB	0.0190	2.69730	2.22367	0.00081
4	1.432	BB	0.0216	23.82508	16.50365	0.00714
5	2.425	BV	0.0664	1487.99475	333.96530	0.44580
6	2.625	VB	0.0768	132.83917	24.81708	0.03980

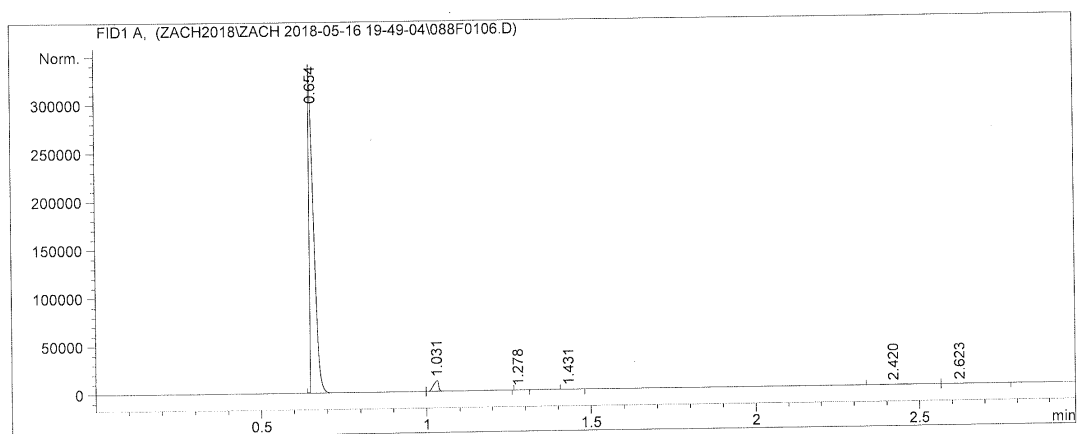
```
Totals :                      3.33780e5  3.06618e5
```

4-Cyanobenzaldehyde: Sequence #1 – Run #6

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-16 19-49-04\088F0106.D
 Sample Name: 4-cyano-4

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 16-May-18, 20:10:11              Inj       :    6
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-16 19-49-04\Z1.M
Last changed    : 5/16/2018 7:43:44 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution      : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

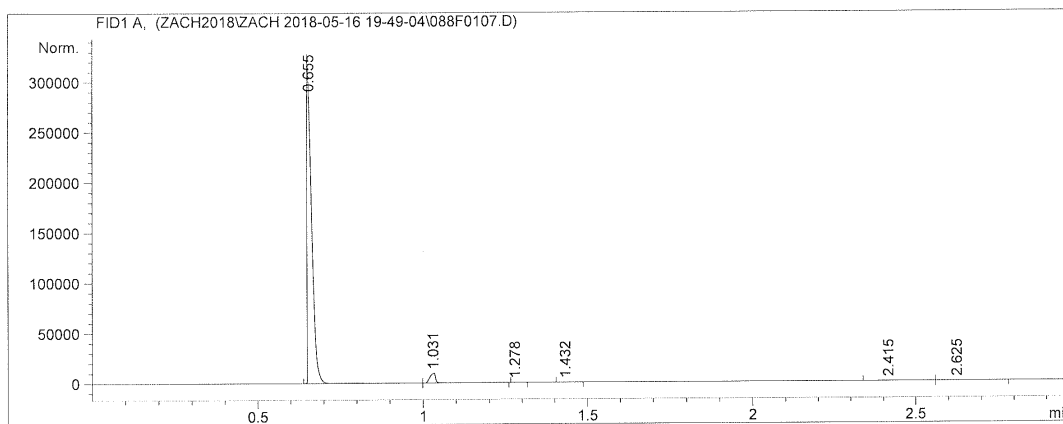
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.654	BV S	0.0165	3.17788e5	2.96145e5	95.99955
2	1.031	VB S	0.0186	1.20817e4	1.08610e4	3.64972
3	1.278	BB	0.0156	1.77085	1.78157	0.00053
4	1.431	BB	0.0214	22.87532	16.09724	0.00691
5	2.420	BV	0.0677	1008.00903	220.49940	0.30451
6	2.623	VB	0.0798	128.38333	23.45960	0.03878

Totals : 3.31031e5 3.07268e5

4-Cyanobenzaldehyde: Sequence #1 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-16 19-49-04\088F0107.D
 Sample Name: 4-cyano-4

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 16-May-18, 20:14:11              Inj       :    7
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-16 19-49-04\Z1.M
Last changed    : 5/16/2018 7:43:44 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.655	BV S	0.0156	3.05470e5	2.86411e5	96.18445
2	1.031	VB S	0.0203	1.13078e4	9468.72461	3.56054
3	1.278	BB	0.0178	1.56563	1.50321	0.00049
4	1.432	BB	0.0231	21.72348	14.52322	0.00684
5	2.415	BV	0.0650	671.92188	152.45311	0.21157
6	2.625	VB	0.0765	114.69330	20.99198	0.03611

```
Totals :                      3.17588e5  2.96070e5
```

4-Cyanobenzaldehyde: Sequence #1 – Run #8

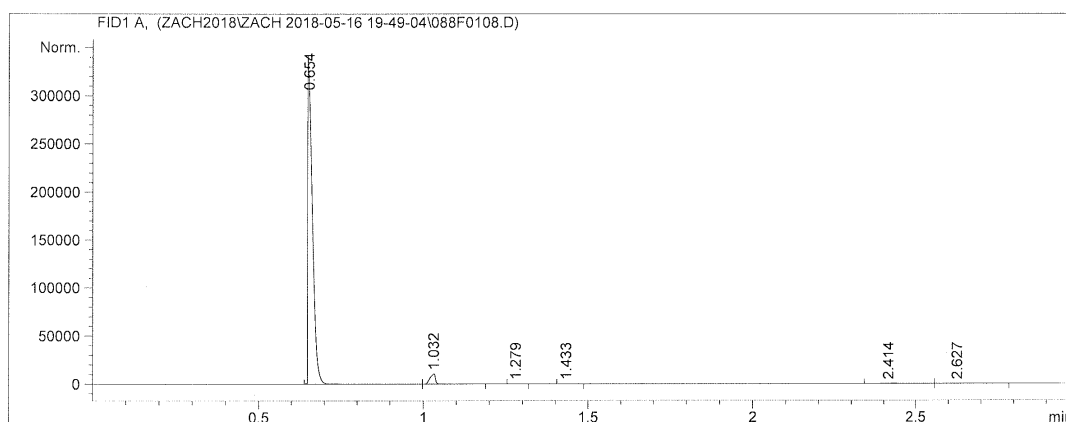
Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-16 19-49-04\088F0108.D

Sample Name: 4-cyano-4

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 16-May-18, 20:18:12              Inj       :    8
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-16 19-49-04\Z1.M
Last changed    : 5/16/2018 7:43:44 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



```

=====
Area Percent Report
=====

```

```

Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs

```

Signal 1: FID1 A,

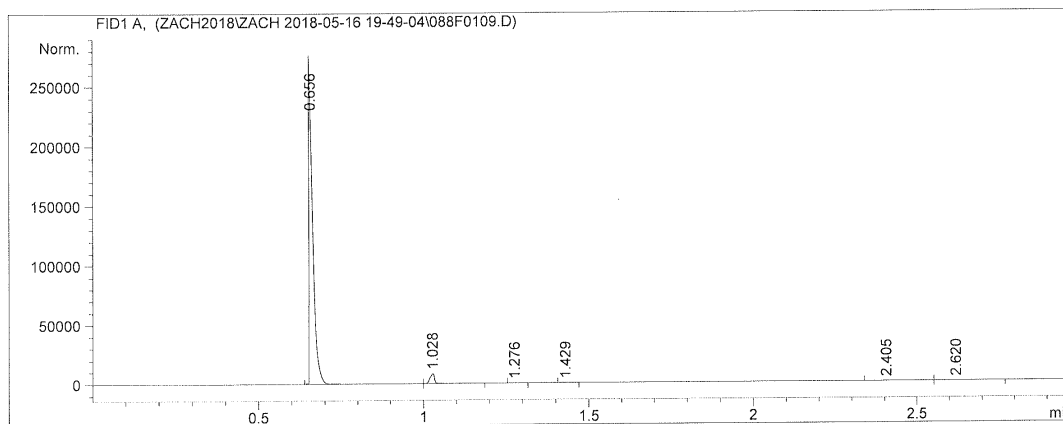
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.654	BV S	0.0168	3.30154e5	3.01819e5	96.26106
2	1.032	VB S	0.0202	1.21098e4	1.02476e4	3.53078
3	1.279	BB	0.0212	2.84598	2.12216	0.00083
4	1.433	BB	0.0228	23.55311	15.28489	0.00687
5	2.414	BV	0.0644	565.21075	129.78264	0.16480
6	2.627	VB	0.0777	122.34648	22.26216	0.03567

```
Totals :                      3.42978e5  3.12236e5
```

4-Cyanobenzaldehyde: Sequence #1 – Run #9

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-16 19-49-04\088F0109.D
Sample Name: 4-cyano-4

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 16-May-18, 20:22:12              Inj       :    9
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-16 19-49-04\Z1.M
Last changed    : 5/16/2018 7:43:44 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

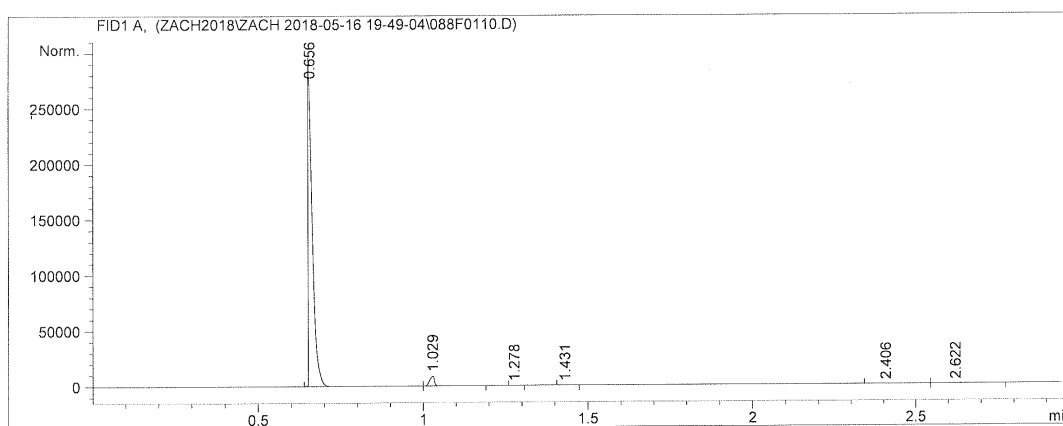
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.656	BV S	0.0144	2.17746e5	2.26590e5	96.47928
2	1.028	VB S	0.0147	7613.68164	8264.37988	3.37349
3	1.276	BB	0.0169	1.61805	1.46021	0.00072
4	1.429	BB	0.0203	14.15864	10.69087	0.00627
5	2.405	BB	0.0606	245.62823	60.98425	0.10883
6	2.620	BB	0.0756	70.88106	13.33877	0.03141

Totals : 2.25692e5 2.34941e5

4-Cyanobenzaldehyde: Sequence #1 – Run #10

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-16 19-49-04\088F0110.D
 Sample Name: 4-cyano-4

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 16-May-18, 20:26:13              Inj       :   10
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-16 19-49-04\Z1.M
Last changed    : 5/16/2018 7:43:44 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.656	BV S	0.0136	2.52253e5	2.82724e5	96.53842
2	1.029	VB S	0.0160	8748.58691	9084.00293	3.34812
3	1.278	BB	0.0173	1.82766	1.59906	0.00070
4	1.431	BB	0.0215	16.23052	11.90176	0.00621
5	2.406	BB	0.0594	196.32541	48.35394	0.07513
6	2.622	BB	0.0754	82.08295	15.30298	0.03141

```
Totals :                      2.61298e5  2.91886e5
```

4-Cyanobenzaldehyde: Sequence #1 – Run #11

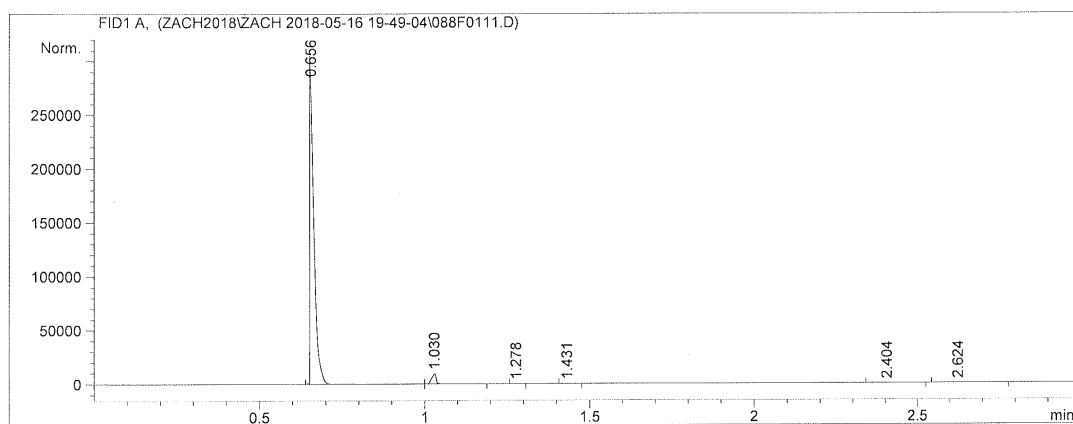
Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-16 19-49-04\088F0111.D

Sample Name: 4-cyano-4

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 88
Injection Date  : 16-May-18, 20:30:13              Inj       :   11
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-16 19-49-04\Z1.M
Last changed    : 5/16/2018 7:43:44 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



Area Percent Report

```

=====
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs

```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.656	BV S	0.0139	2.57792e5	2.82281e5	96.55902
2	1.030	VB S	0.0159	8969.64941	9419.05566	3.35969
3	1.278	BB	0.0168	1.88293	1.71458	0.00071
4	1.431	BB	0.0205	16.73258	12.45956	0.00627
5	2.404	BB	0.0571	115.00127	30.31975	0.04308
6	2.624	BB	0.0727	83.41107	15.62014	0.03124

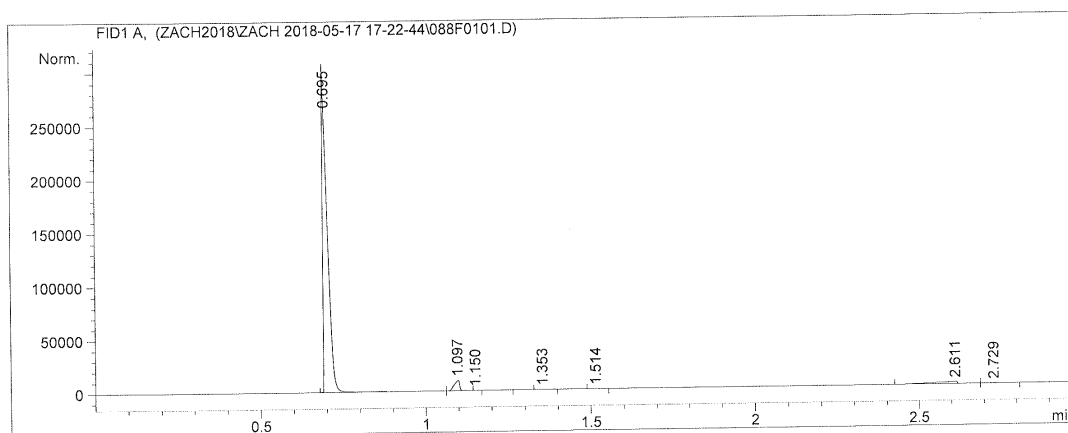
Totals : 2.66978e5 2.91760e5

4-Cyanobenzaldehyde: Sequence #2 – Run #1

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-17 17-22-44\088F0101.D
 Sample Name: 4-cyano-4

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 17-May-18, 17:23:43              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-17 17-22-44\Z1.M
Last changed    : 5/16/2018 7:43:44 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.695	BV S	0.0171	2.95583e5	2.62654e5	93.50633
2	1.097	VB S	0.0197	1.10827e4	9744.61133	3.50597
3	1.150	BB X	0.0154	8.41112	9.11527	0.00266
4	1.353	BB	0.0181	2.73925	2.39389	0.00087
5	1.514	BB	0.0196	22.52131	17.69700	0.00712
6	2.611	BV	0.0632	9268.68262	1803.11292	2.93211
7	2.729	VB	0.0286	142.08826	74.50929	0.04495

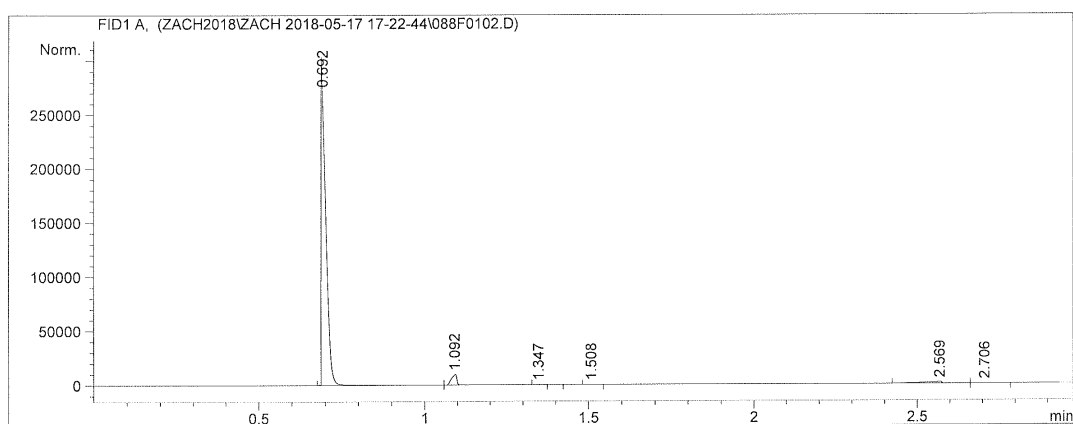
Totals : 3.16110e5 2.74306e5

4-Cyanobenzaldehyde: Sequence #2 – Run #2

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-17 17-22-44\088F0102.D
 Sample Name: 4-cyano-4

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 17-May-18, 17:27:43              Inj       :    2
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-17 17-22-44\Z1.M
Last changed    : 5/16/2018 7:43:44 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

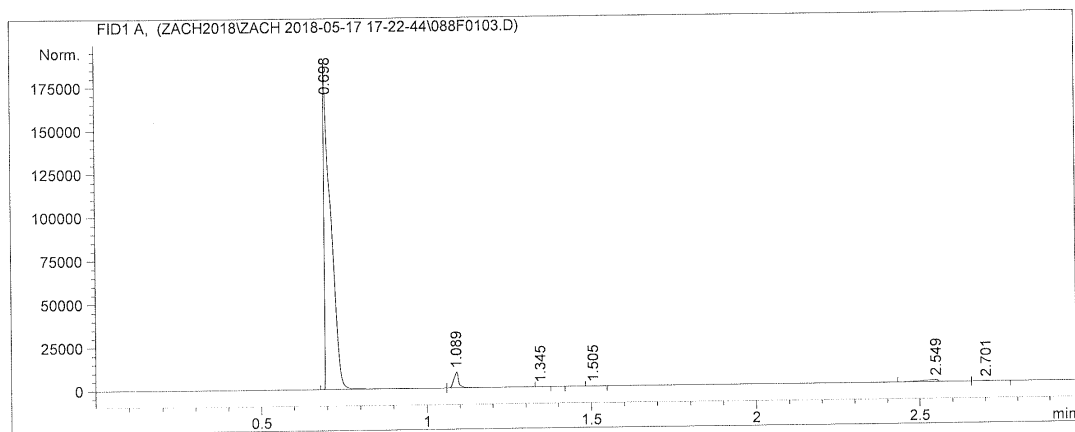
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.692	BV S	0.0164	2.88800e5	2.71918e5	94.43211
2	1.092	VB S	0.0201	1.10790e4	9426.24609	3.62261
3	1.347	BB X	0.0213	3.21825	2.52357	0.00105
4	1.508	BB	0.0198	22.12331	17.18160	0.00723
5	2.569	BV	0.0508	5793.34863	1420.32019	1.89431
6	2.706	VB	0.0308	130.55115	64.49844	0.04269

```
Totals :                      3.05828e5  2.82848e5
```

4-Cyanobenzaldehyde: Sequence #2 – Run #3

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-17 17-22-44\088F0103.D
 Sample Name: 4-cyano-4

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 17-May-18, 17:31:41              Inj       :    3
                                                Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-17 17-22-44\Z1.M
Last changed    : 5/16/2018 7:43:44 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



=====
 Area Percent Report
 =====

Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.698	BV S	0.0199	2.63235e5	1.68089e5	95.19524
2	1.089	VB S	0.0163	9446.69336	8940.62402	3.41626
3	1.345	BB X	0.0176	3.04166	2.60423	0.00110
4	1.505	BB	0.0187	20.53769	17.23247	0.00743
5	2.549	BV	0.0436	3691.76758	1086.84192	1.33507
6	2.701	VB	0.0320	124.15742	60.35268	0.04490

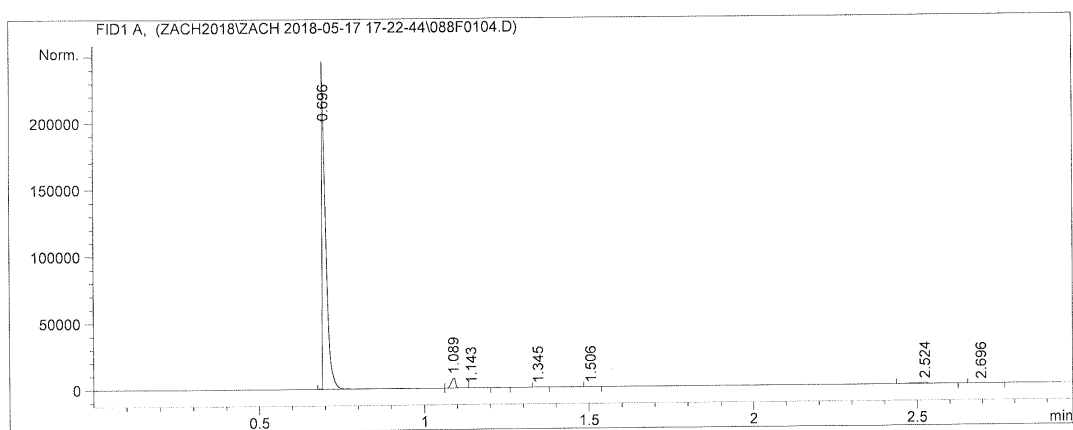
Totals : 2.76522e5 1.78196e5

4-Cyanobenzaldehyde: Sequence #2 – Run #4

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-17 17-22-44\088F0104.D
 Sample Name: 4-cyano-4

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 17-May-18, 17:35:44              Inj       :    4
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-17 17-22-44\Z1.M
Last changed    : 5/16/2018 7:43:44 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.696	BV S	0.0146	1.93203e5	1.98136e5	95.63907
2	1.089	VB S	0.0147	6790.99609	7375.04492	3.36167
3	1.143	BB X	0.0127	5.06884	6.62887	0.00251
4	1.345	BB	0.0169	1.68300	1.62556	0.00083
5	1.506	BB	0.0170	13.36000	11.94750	0.00661
6	2.524	BB	0.0362	1922.81665	732.74420	0.95183
7	2.696	BB	0.0340	75.70658	33.92121	0.03748

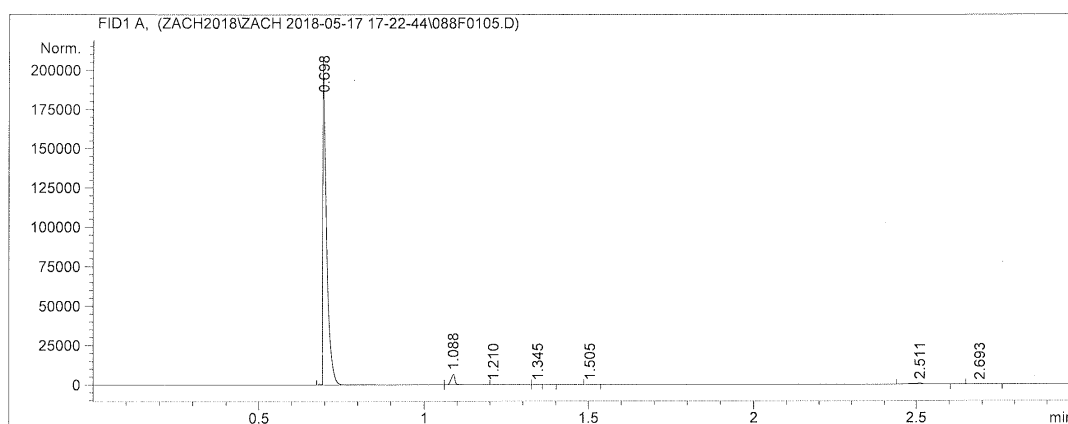
Totals : 2.02012e5 2.06298e5

4-Cyanobenzaldehyde: Sequence #2 – Run #5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-17 17-22-44\088F0105.D
 Sample Name: 4-cyano-4

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 17-May-18, 17:39:44              Inj       :    5
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-17 17-22-44\Z1.M
Last changed    : 5/16/2018 7:43:44 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.698	BV S	0.0126	1.60310e5	1.83440e5	95.96542
2	1.088	VB S	0.0135	5438.19727	6653.60645	3.25545
3	1.210	VV X	0.0450	3.98350	1.47578	0.00238
4	1.345	VB X	0.0142	1.26452	1.44003	0.00076
5	1.505	BB	0.0159	10.99725	10.75267	0.00658
6	2.511	BB	0.0323	1227.85754	536.06311	0.73503
7	2.693	BB	0.0345	57.42937	26.07466	0.03438

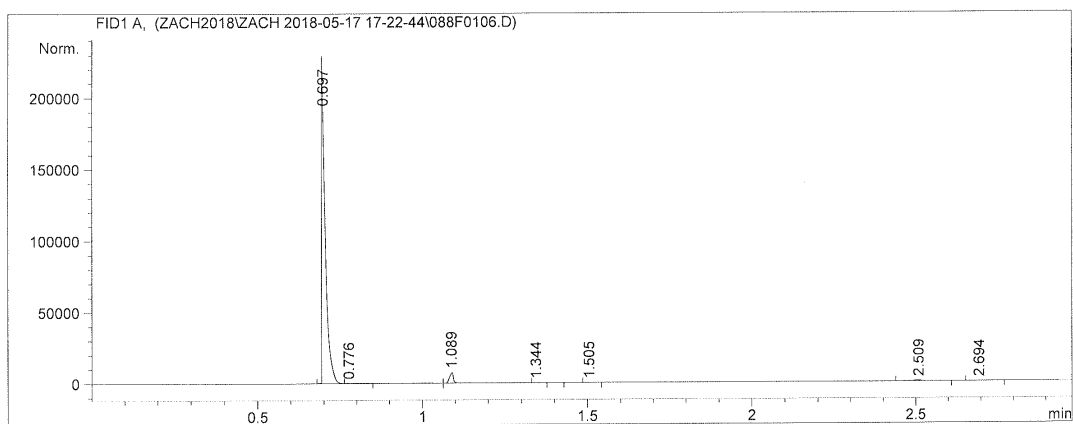
Totals : 1.67049e5 1.90669e5

4-Cyanobenzaldehyde: Sequence #2 – Run #6

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-17 17-22-44\088F0106.D
Sample Name: 4-cyano-4

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 17-May-18, 17:43:45              Inj       :    6
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-17 17-22-44\Z1.M
Last changed    : 5/16/2018 7:43:44 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.697	BV S	0.0132	1.77237e5	1.91579e5	95.91676
2	0.776	BB X	0.0410	100.48692	37.30140	0.05438
3	1.089	VB S	0.0140	6279.27588	7345.58203	3.39820
4	1.344	BB X	0.0194	2.21344	1.90047	0.00120
5	1.505	BB	0.0161	11.89202	11.44323	0.00644
6	2.509	BB	0.0332	1085.62952	472.76343	0.58752
7	2.694	BB	0.0353	65.59811	28.91188	0.03550

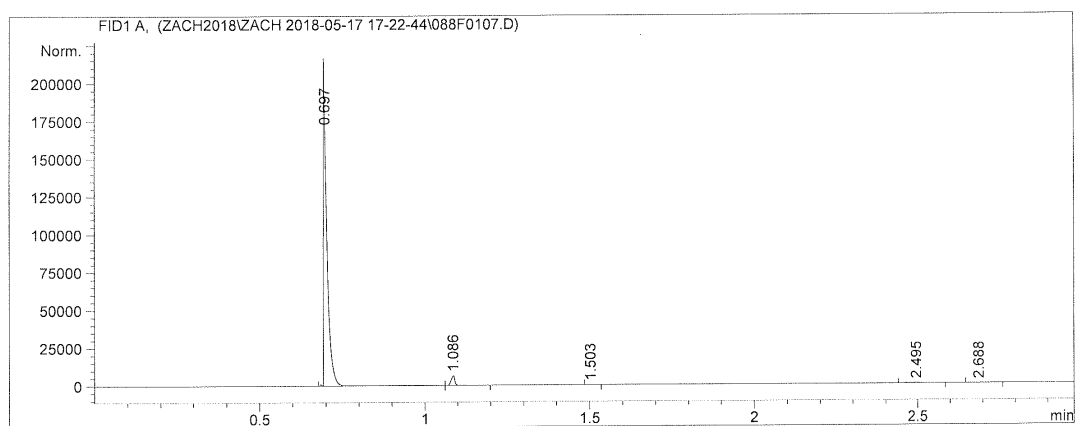
Totals : 1.84782e5 1.99477e5

4-Cyanobenzaldehyde: Sequence #2 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-17 17-22-44\088F0107.D
 Sample Name: 4-cyano-4

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 17-May-18, 17:47:45              Inj       :    7
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-17 17-22-44\Z1.M
Last changed    : 5/16/2018 7:43:44 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.697	BV S	0.0123	1.55488e5	1.69874e5	96.49818
2	1.086	VB S	0.0122	4903.88281	6375.90771	3.04343
3	1.503	BB	0.0153	9.63383	9.93290	0.00598
4	2.495	BB	0.0330	675.95667	315.01147	0.41951
5	2.688	BB	0.0354	53.02119	23.21790	0.03291

```
Totals :                      1.61130e5  1.76598e5
```

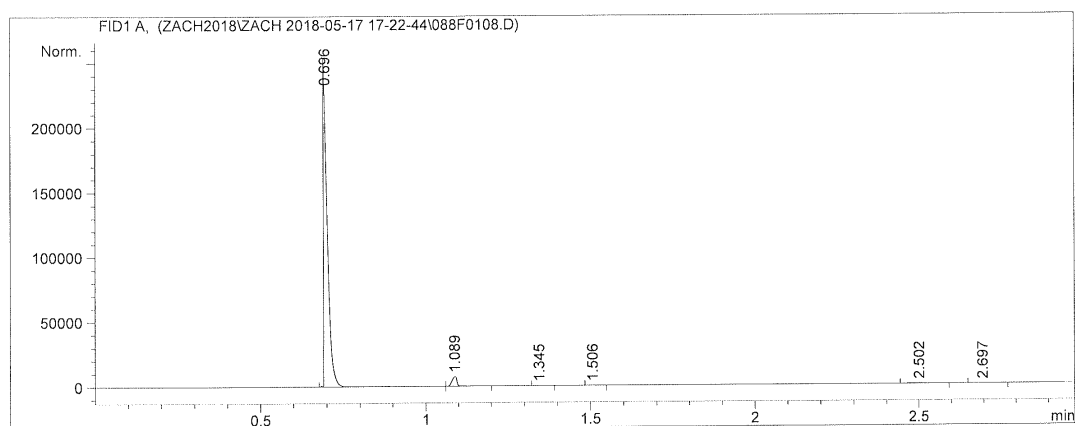
```
=====
*** End of Report ***
```

4-Cyanobenzaldehyde: Sequence #2 – Run #8

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-17 17-22-44\088F0108.D
 Sample Name: 4-cyano-4

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 17-May-18, 17:51:46              Inj       :    8
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-17 17-22-44\Z1.M
Last changed    : 5/16/2018 7:43:44 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

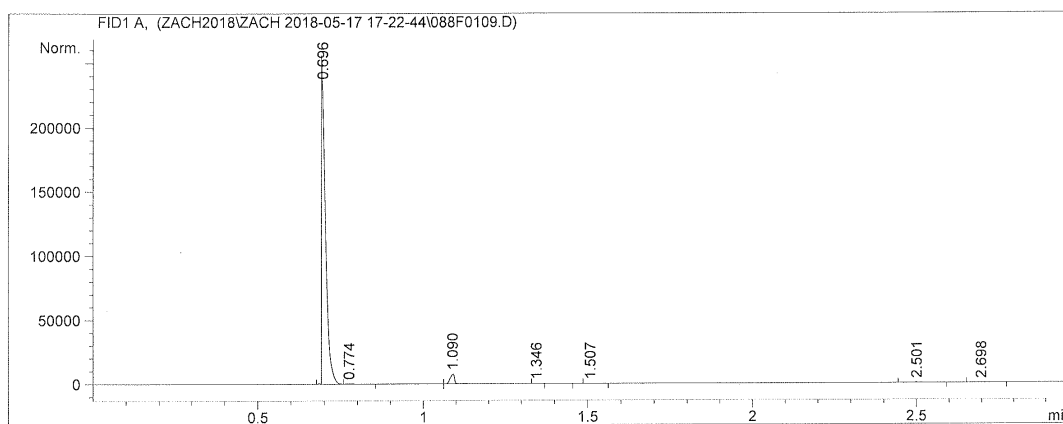
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.696	BV S	0.0137	2.07099e5	2.29522e5	96.37449
2	1.089	VB S	0.0161	7022.91064	7264.24707	3.26815
3	1.345	BB	0.0198	2.32054	1.80794	0.00108
4	1.506	BB	0.0185	14.24135	12.08898	0.00663
5	2.502	BB	0.0340	672.95209	293.40347	0.31316
6	2.697	BB	0.0376	78.43636	32.67755	0.03650

```
Totals :                      2.14890e5  2.37126e5
```


4-Cyanobenzaldehyde: Sequence #2 – Run #9

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-17 17-22-44\088F0109.D
 Sample Name: 4-cyano-4

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 17-May-18, 17:55:46              Inj       :    9
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-17 17-22-44\Z1.M
Last changed    : 5/16/2018 7:43:44 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

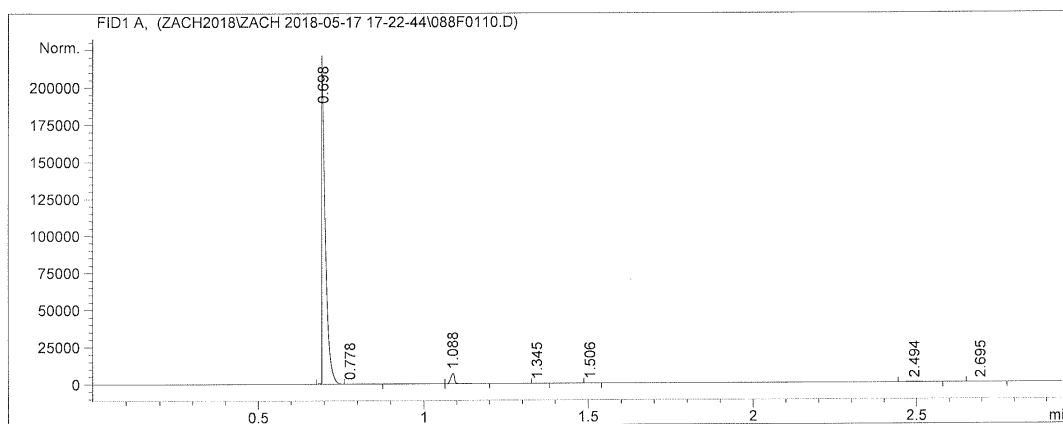
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.696	BV S	0.0135	2.07187e5	2.34428e5	96.17840
2	0.774	BB X	0.0445	160.75374	60.23540	0.07462
3	1.090	VB S	0.0164	7442.28027	7494.66699	3.45479
4	1.346	BB X	0.0171	1.95824	1.73956	0.00091
5	1.507	BB	0.0186	14.72726	12.42523	0.00684
6	2.501	BB	0.0351	533.88672	236.82849	0.24784
7	2.698	BB	0.0368	78.86621	32.87700	0.03661

Totals : 2.15419e5 2.42267e5

4-Cyanobenzaldehyde: Sequence #2 – Run #10

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-17 17-22-44\088F0110.D
 Sample Name: 4-cyano-4

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 17-May-18, 17:59:47              Inj       :   10
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-17 17-22-44\Z1.M
Last changed    : 5/16/2018 7:43:44 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

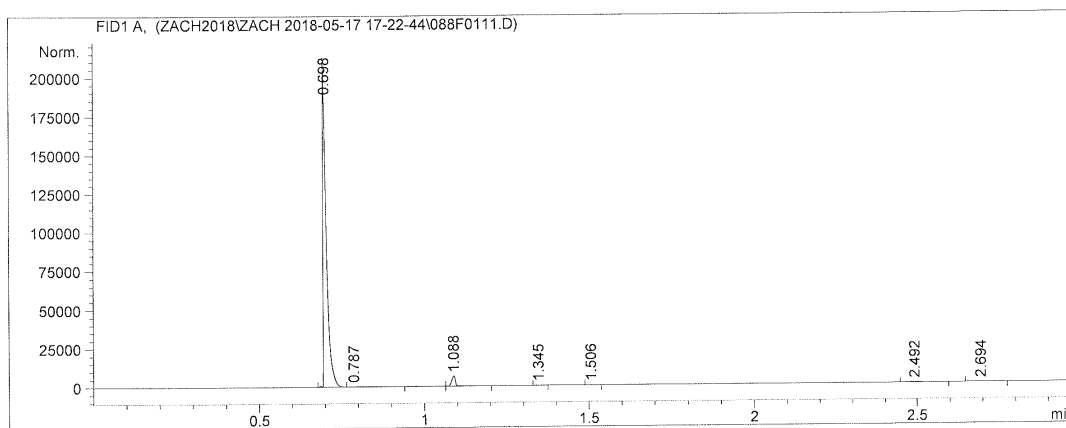
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.698	BV S	0.0124	1.60091e5	1.86707e5	96.42265
2	0.778	BB X	0.0479	164.00487	50.99273	0.09878
3	1.088	VB S	0.0120	5353.87695	7134.59570	3.22464
4	1.345	BB	0.0154	1.41199	1.45045	0.00085
5	1.506	BB	0.0157	10.91961	10.92884	0.00658
6	2.494	BB	0.0330	345.03195	160.89117	0.20781
7	2.695	BB	0.0385	64.25204	25.28061	0.03870

Totals : 1.66030e5 1.94091e5

4-Cyanobenzaldehyde: Sequence #2 – Run #11

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-17 17-22-44\088F0111.D
 Sample Name: 4-cyano-4

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 17-May-18, 18:03:47              Inj       :   11
                                                Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-17 17-22-44\Z1.M
Last changed    : 5/16/2018 7:43:44 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

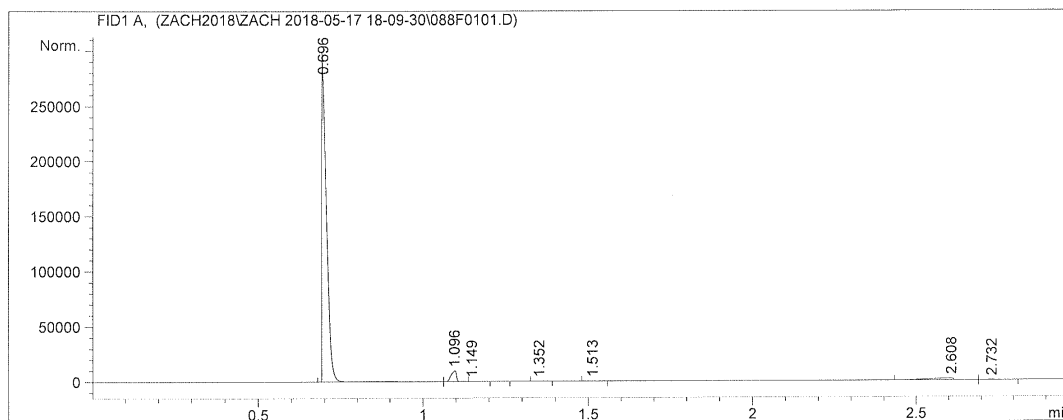
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.698	BV S	0.0118	1.50139e5	1.86251e5	96.47978
2	0.787	BB X	0.0713	122.13081	23.07629	0.07848
3	1.088	VB S	0.0125	4969.48389	6242.24316	3.19340
4	1.345	BB	0.0148	1.44042	1.44308	0.00093
5	1.506	BB	0.0159	9.79893	9.59117	0.00630
6	2.492	BB	0.0333	322.61829	148.82449	0.20732
7	2.694	BB	0.0382	52.60411	21.46112	0.03380

Totals : 1.55617e5 1.92698e5

4-Cyanobenzaldehyde: Sequence #3 – Run #1

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-17 18-09-30\088F0101.D
 Sample Name: 4-cyano-4

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 17-May-18, 18:10:33              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-17 18-09-30\Z1.M
Last changed    : 5/16/2018 7:43:44 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

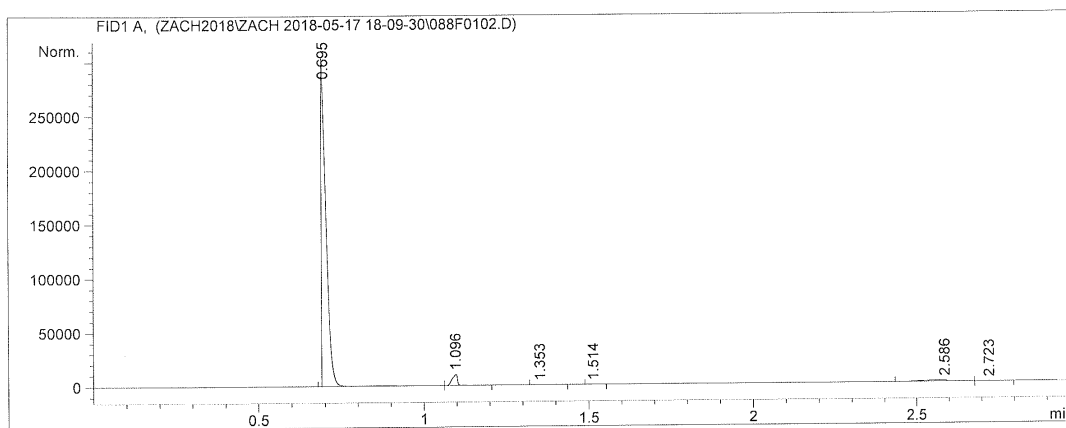
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.696	BV S	0.0160	2.85306e5	2.77237e5	93.69886
2	1.096	VB S	0.0191	1.09469e4	9443.60840	3.59514
3	1.149	BB X	0.0153	8.46807	9.19633	0.00278
4	1.352	BB	0.0202	2.81284	2.25516	0.00092
5	1.513	BB	0.0220	22.75338	16.97106	0.00747
6	2.608	BV	0.0583	8065.98633	1682.12524	2.64899
7	2.732	VB	0.0287	139.53879	72.93546	0.04583

Totals : 3.04492e5 2.88464e5

4-Cyanobenzaldehyde: Sequence #3 – Run #2

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-17 18-09-30\088F0102.D
 Sample Name: 4-cyano-4

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 17-May-18, 18:14:32              Inj       :    2
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-17 18-09-30\Z1.M
Last changed    : 5/16/2018 7:43:44 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

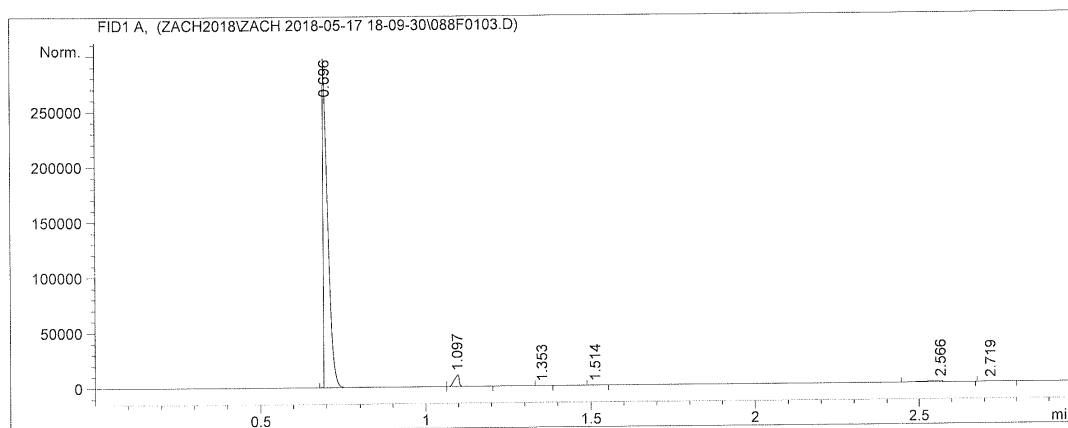
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.695	BV S	0.0162	2.95733e5	2.82503e5	94.53138
2	1.096	VB S	0.0180	1.09084e4	1.02736e4	3.48688
3	1.353	BB	0.0130	1.33276	2.10300	0.00043
4	1.514	BB	0.0202	22.03743	17.59639	0.00704
5	2.586	BV	0.0539	6045.74023	1414.49304	1.93253
6	2.723	VB	0.0306	130.61095	65.25286	0.04175

```
Totals :                      3.12841e5  2.94276e5
```

4-Cyanobenzaldehyde: Sequence #3 – Run #3

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-17 18-09-30\088F0103.D
 Sample Name: 4-cyano-4

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 17-May-18, 18:18:32              Inj       :    3
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-17 18-09-30\Z1.M
Last changed    : 5/16/2018 7:43:44 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

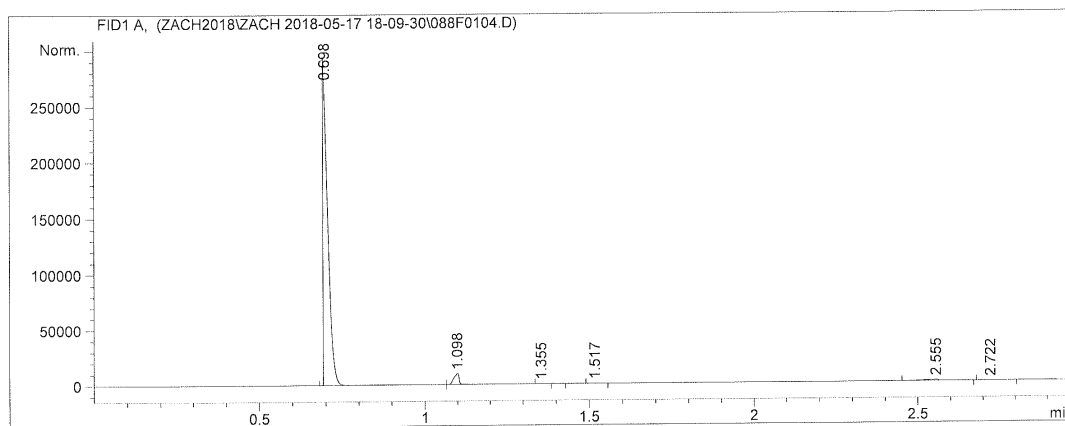
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.696	BV S	0.0170	2.88453e5	2.59065e5	95.09327
2	1.097	VB S	0.0176	1.07420e4	1.04174e4	3.54126
3	1.353	BB	0.0181	2.77818	2.43104	0.00092
4	1.514	BB	0.0200	21.93870	17.79976	0.00723
5	2.566	BB	0.0441	3988.24976	1137.12378	1.31479
6	2.719	BB	0.0320	128.98402	60.73580	0.04252

Totals : 3.03337e5 2.70700e5

4-Cyanobenzaldehyde: Sequence #3 – Run #4

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-17 18-09-30\088F0104.D
 Sample Name: 4-cyano-4

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 17-May-18, 18:22:32              Inj       :    4
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-17 18-09-30\Z1.M
Last changed    : 5/16/2018 7:43:44 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

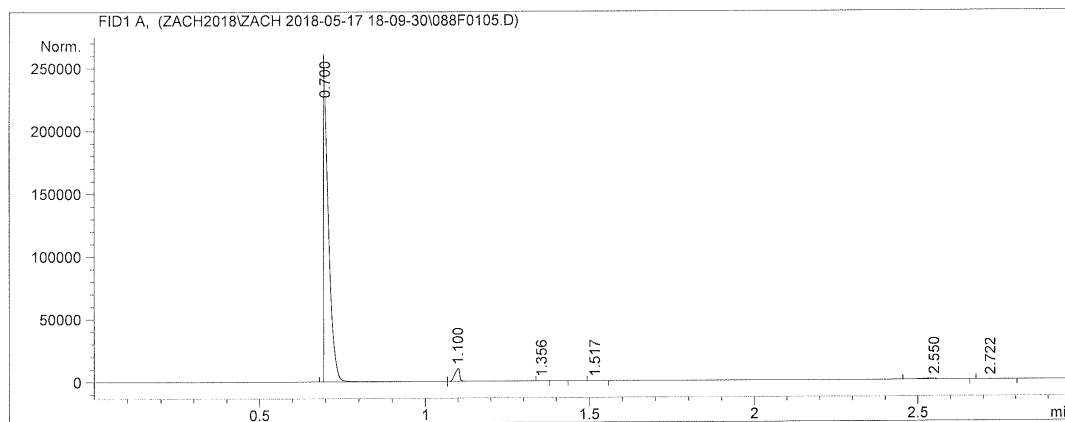
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.698	BV S	0.0164	2.87459e5	2.70011e5	95.50016
2	1.098	VB S	0.0188	1.07767e4	9532.83301	3.58024
3	1.355	BB X	0.0211	3.55885	2.68609	0.00118
4	1.517	BB	0.0205	21.48214	16.85349	0.00714
5	2.555	BB	0.0394	2617.33105	882.90576	0.86953
6	2.722	BB	0.0348	125.67253	54.79642	0.04175

```
Totals :                      3.01004e5  2.80501e5
```

4-Cyanobenzaldehyde: Sequence #3 – Run #5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-17 18-09-30\088F0105.D
 Sample Name: 4-cyano-4

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 17-May-18, 18:26:33              Inj       :    5
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-17 18-09-30\Z1.M
Last changed    : 5/16/2018 7:43:44 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By           :      Signal
Multiplier          :      1.0000
Dilution            :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

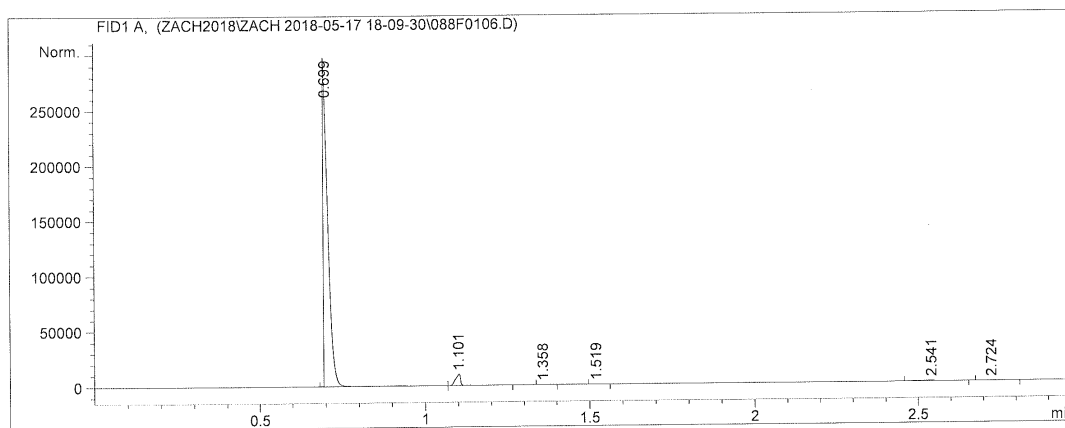
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.700	BV S	0.0169	2.62432e5	2.22873e5	95.15055
2	1.100	VB S	0.0193	1.10881e4	1.00667e4	4.02024
3	1.356	BB X	0.0187	3.00392	2.67383	0.00109
4	1.517	BB	0.0188	22.52201	18.83051	0.00817
5	2.550	BB	0.0383	2136.20898	781.87079	0.77453
6	2.722	BB	0.0360	125.25834	53.76448	0.04542

```
Totals :                      2.75807e5  2.33797e5
```


4-Cyanobenzaldehyde: Sequence #3 – Run #6

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-17 18-09-30\088F0106.D
 Sample Name: 4-cyano-4

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 17-May-18, 18:30:31              Inj       :    6
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-17 18-09-30\Z1.M
Last changed    : 5/16/2018 7:43:44 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

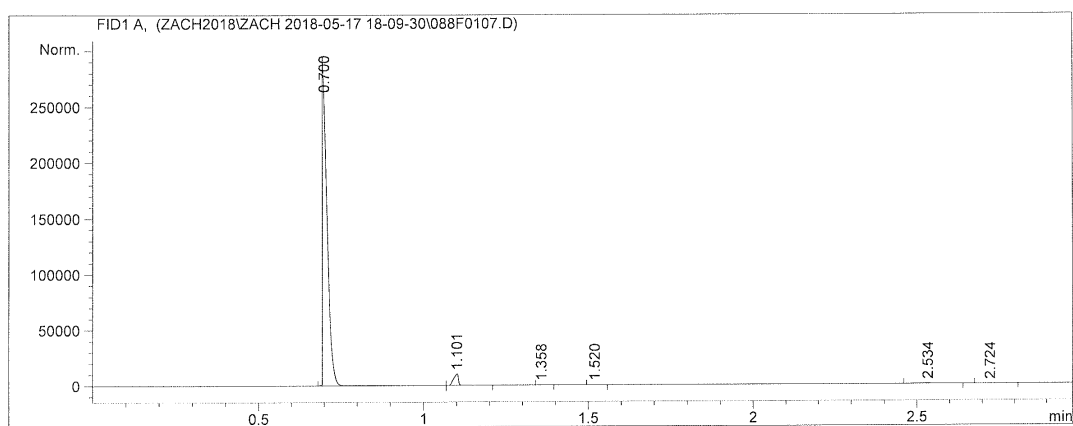
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.699	BV S	0.0170	2.88150e5	2.57738e5	95.89886
2	1.101	VB S	0.0191	1.06837e4	9832.91211	3.55564
3	1.358	BB	0.0158	2.07933	2.19804	0.00069
4	1.519	BB	0.0189	21.07634	17.41391	0.00701
5	2.541	BB	0.0355	1492.69324	582.34839	0.49678
6	2.724	BB	0.0373	123.22968	50.51667	0.04101

```
Totals :                      3.00473e5  2.68224e5
```

4-Cyanobenzaldehyde: Sequence #3 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-17 18-09-30\088F0107.D
 Sample Name: 4-cyano-4

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 17-May-18, 18:34:33              Inj       :    7
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-17 18-09-30\Z1.M
Last changed    : 5/16/2018 7:43:44 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

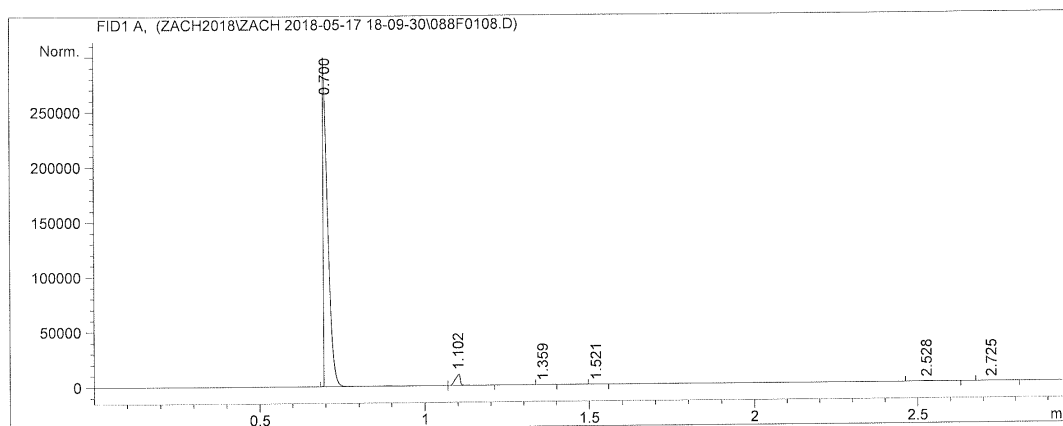
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.700	BV S	0.0160	2.85322e5	2.59104e5	96.05764
2	1.101	VB S	0.0180	1.04269e4	9813.83789	3.51038
3	1.358	BB	0.0187	2.56533	2.29267	0.00086
4	1.520	BB	0.0193	21.41615	17.27225	0.00721
5	2.534	BB	0.0369	1136.54053	458.68967	0.38263
6	2.724	BB	0.0382	122.61150	48.70953	0.04128

```
Totals :                      2.97032e5  2.69445e5
```

4-Cyanobenzaldehyde: Sequence #3 – Run #8

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-17 18-09-30\088F0108.D
 Sample Name: 4-cyano-4

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 17-May-18, 18:38:33              Inj       :    8
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-17 18-09-30\Z1.M
Last changed    : 5/16/2018 7:43:44 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

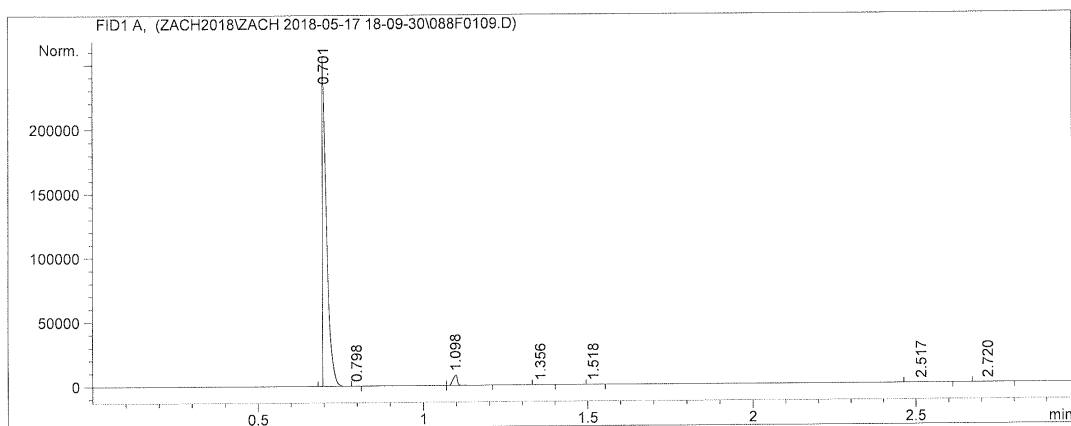
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.700	BV S	0.0159	2.85585e5	2.61344e5	96.24813
2	1.102	VB S	0.0173	1.02132e4	1.02061e4	3.44207
3	1.359	BB	0.0168	2.04491	1.98329	0.00069
4	1.521	BB	0.0193	20.55454	16.52674	0.00693
5	2.528	BB	0.0372	779.15564	320.35083	0.26259
6	2.725	BB	0.0388	117.48820	45.71073	0.03960

Totals : 2.96718e5 2.71934e5

4-Cyanobenzaldehyde: Sequence #3 – Run #9

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-17 18-09-30\088F0109.D
 Sample Name: 4-cyano-4

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 17-May-18, 18:42:34              Inj       :    9
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-17 18-09-30\Z1.M
Last changed    : 5/16/2018 7:43:44 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.701	BV S	0.0142	2.17587e5	2.31456e5	96.40919
2	0.798	BB X	0.0156	1.36283	1.45420	0.00060
3	1.098	VB S	0.0159	7531.64355	7921.62891	3.33715
4	1.356	BB	0.0154	1.77922	1.81409	0.00079
5	1.518	BB	0.0182	14.74573	12.85679	0.00653
6	2.517	BB	0.0357	469.30606	203.78386	0.20794
7	2.720	BB	0.0385	85.28947	33.52520	0.03779

Totals : 2.25691e5 2.39631e5

4-Cyanobenzaldehyde: Sequence #3 – Run #10

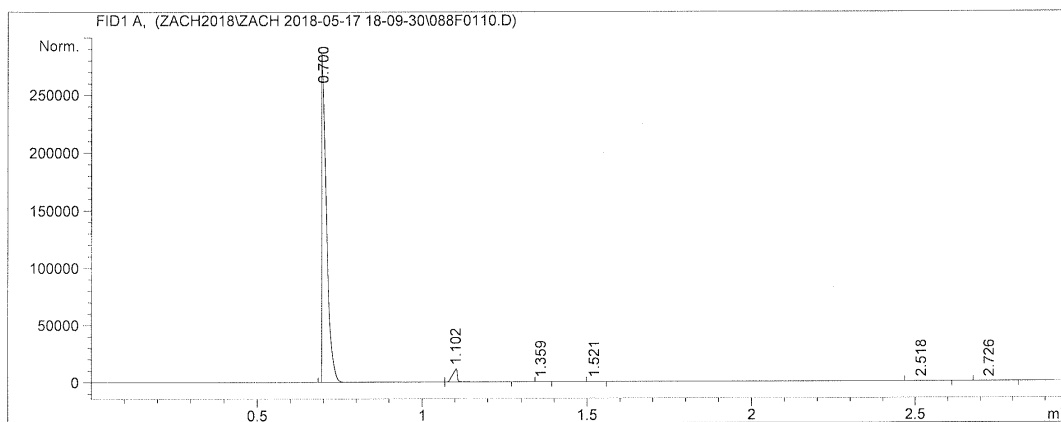
Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-17 18-09-30\088F0110.D

Sample Name: 4-cyano-4

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 17-May-18, 18:46:35              Inj       :   10
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-17 18-09-30\Z1.M
Last changed    : 5/16/2018 7:43:44 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



```

=====
Area Percent Report
=====

```

```

Sorted By      : Signal
Multiplier     : 1.0000
Dilution      : 1.0000
Use Multiplier & Dilution Factor with ISTDs

```

Signal 1: FID1 A,

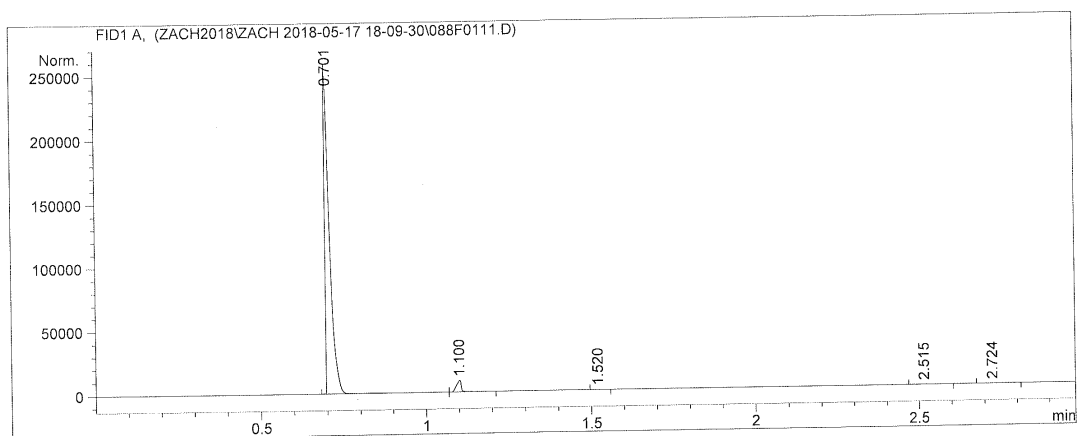
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.700	BV S	0.0160	2.81090e5	2.56662e5	95.98581
2	1.102	VB S	0.0142	1.12989e4	1.11729e4	3.85832
3	1.359	BB	0.0168	2.57095	2.50871	0.00088
4	1.521	BB	0.0185	22.05345	18.80991	0.00753
5	2.518	BB	0.0355	308.90469	131.21056	0.10548
6	2.726	BB	0.0403	122.94292	46.68101	0.04198

```
Totals :                2.92845e5  2.68034e5
```

4-Cyanobenzaldehyde: Sequence #3 – Run #11

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-17 18-09-30\088F0111.D
 Sample Name: 4-cyano-4

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                    Location  : Vial 88
Injection Date  : 17-May-18, 18:50:35             Inj       : 11
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-17 18-09-30\Z1.M
Last changed    : 5/16/2018 7:43:44 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.701	BV S	0.0150	2.47186e5	2.43937e5	96.34978
2	1.100	VB S	0.0178	9010.82227	8630.10059	3.51230
3	1.520	BB	0.0186	17.36075	14.70469	0.00677
4	2.515	BB	0.0359	238.23174	102.38573	0.09286
5	2.724	BB	0.0403	98.23276	37.31549	0.03829

Totals : 2.56550e5 2.52722e5

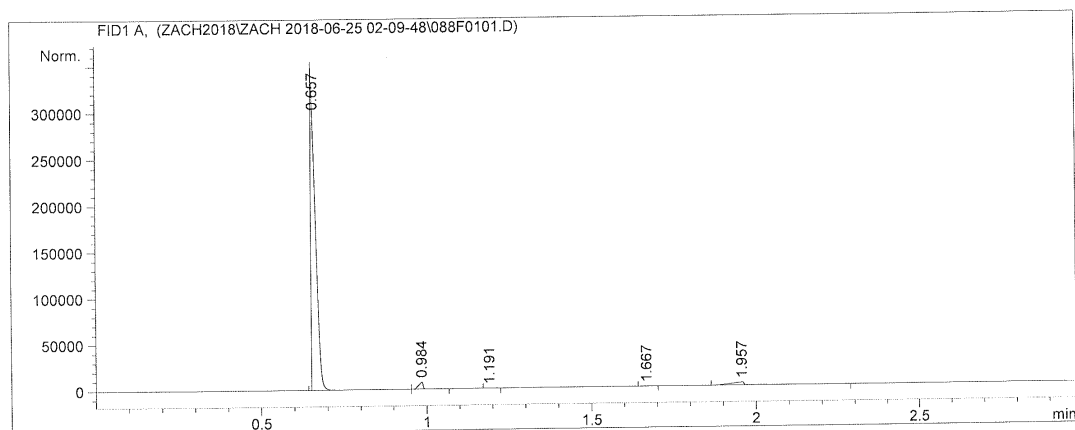
```
=====
*** End of Report ***
```

4-Bromobenzaldehyde: Sequence #1 – Run #1

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-06-25 02-09-48\088F0101.D
 Sample Name: 4-bromo

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 25-Jun-18, 02:10:51              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-06-25 02-09-48\Z4.M
Last changed    : 6/3/2018 6:09:38 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.657	BV S	0.0175	3.24886e5	2.97898e5	95.24663
2	0.984	VB S	0.0134	6858.66113	7811.17480	2.01075
3	1.191	BB	0.0142	2.30667	2.43588	0.00068
4	1.667	BB	0.0192	1.51650	1.22633	0.00044
5	1.957	BB	0.0392	9351.25195	3098.26465	2.74150

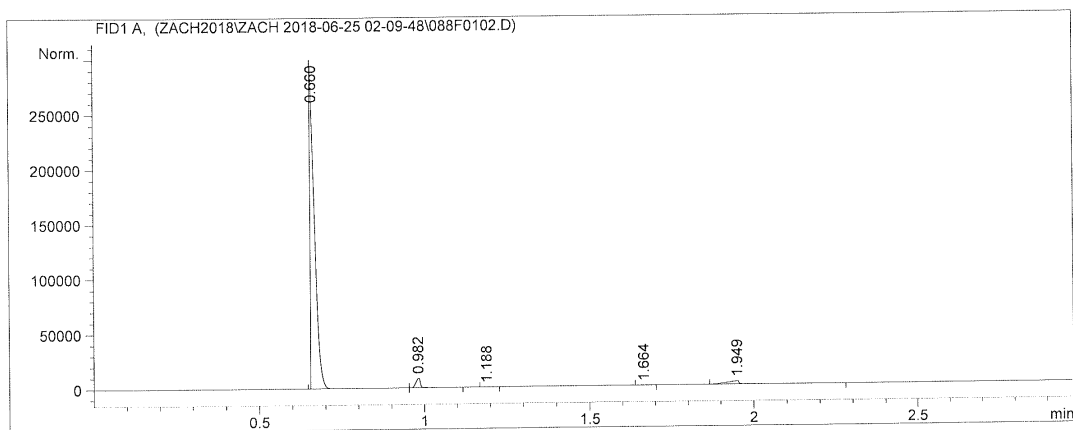
```
Totals :                      3.41100e5  3.08811e5
```

```
=====
*** End of Report ***
```

4-Bromobenzaldehyde: Sequence #1 – Run #2

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-06-25 02-09-48\088F0102.D
 Sample Name: 4-bromo

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 25-Jun-18, 02:14:52              Inj       :    2
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-06-25 02-09-48\Z4.M
Last changed    : 6/3/2018 6:09:38 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By           :      Signal
Multiplier          :      1.0000
Dilution            :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.660	BV S	0.0158	2.77897e5	2.57032e5	94.60586
2	0.982	VB S	0.0145	7871.51367	8729.08008	2.67974
3	1.188	BB	0.0159	2.61687	2.56319	0.00089
4	1.664	BB	0.0200	1.75796	1.34766	0.00060
5	1.949	BB	0.0349	7968.96045	3012.95630	2.71291

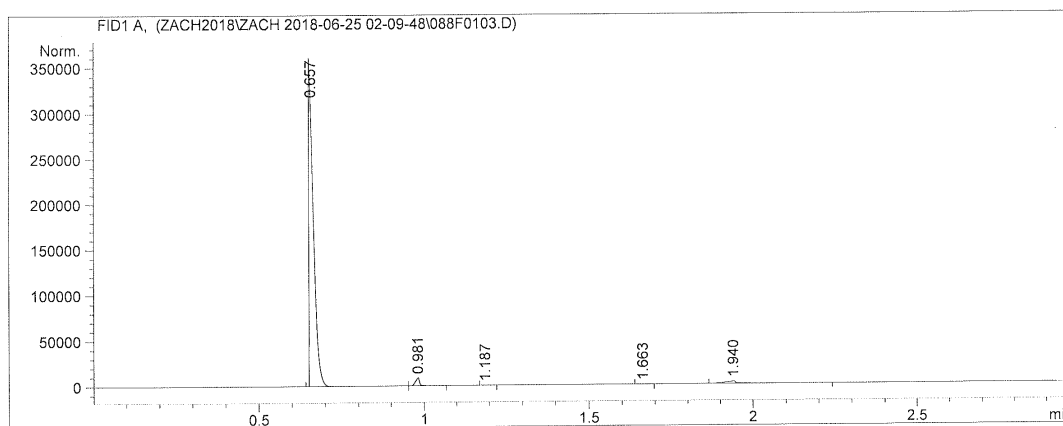
```
Totals :                      2.93742e5  2.68778e5
```

```
=====
*** End of Report ***
```


4-Bromobenzaldehyde: Sequence #1 – Run #3

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-06-25 02-09-48\088F0103.D
 Sample Name: 4-bromo

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 25-Jun-18, 02:18:53              Inj       :    3
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-06-25 02-09-48\Z4.M
Last changed    : 6/3/2018 6:09:38 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.657	BV S	0.0166	3.38748e5	3.12917e5	96.17738
2	0.981	VB S	0.0135	7403.95215	8353.79590	2.10213
3	1.187	BB	0.0150	2.44083	2.59241	0.00069
4	1.663	BB	0.0197	1.66550	1.30022	0.00047
5	1.940	BB	0.0324	6055.62549	2487.02393	1.71932

Totals : 3.52211e5 3.23762e5

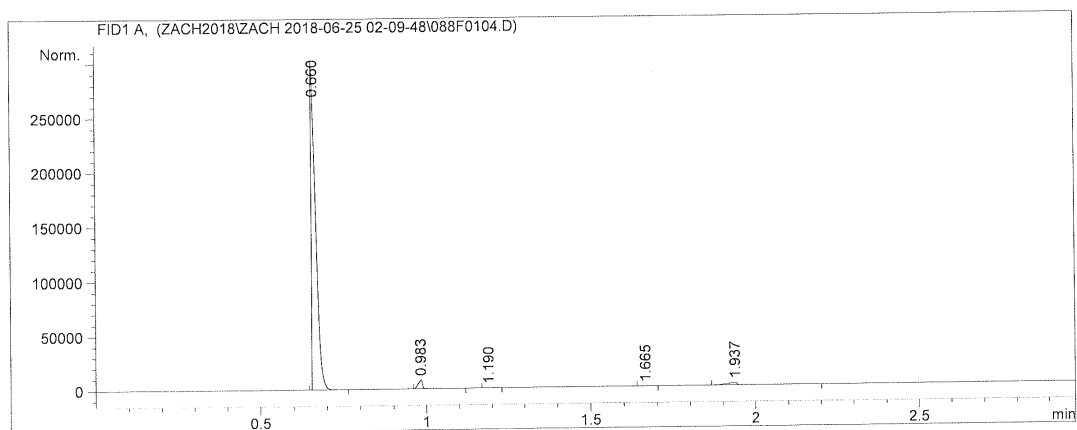
```
=====
*** End of Report ***
=====
```

4-Bromobenzaldehyde: Sequence #1 – Run #4

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-06-25 02-09-48\088F0104.D
 Sample Name: 4-bromo

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 25-Jun-18, 02:22:55              Inj       :    4
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-06-25 02-09-48\Z4.M
Last changed    : 6/3/2018 6:09:38 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.660	BB S	0.0163	2.80203e5	2.65524e5	95.75926
2	0.983	BB S	0.0130	7216.68604	7962.35840	2.46630
3	1.190	BB	0.0150	2.29100	2.42928	0.00078
4	1.665	BB	0.0207	1.67168	1.29108	0.00057
5	1.937	BB	0.0316	5188.23682	2189.45288	1.77308

```
Totals :                      2.92611e5  2.75679e5
```

```
=====
*** End of Report ***
=====
```

4-Bromobenzaldehyde: Sequence #1 – Run #5

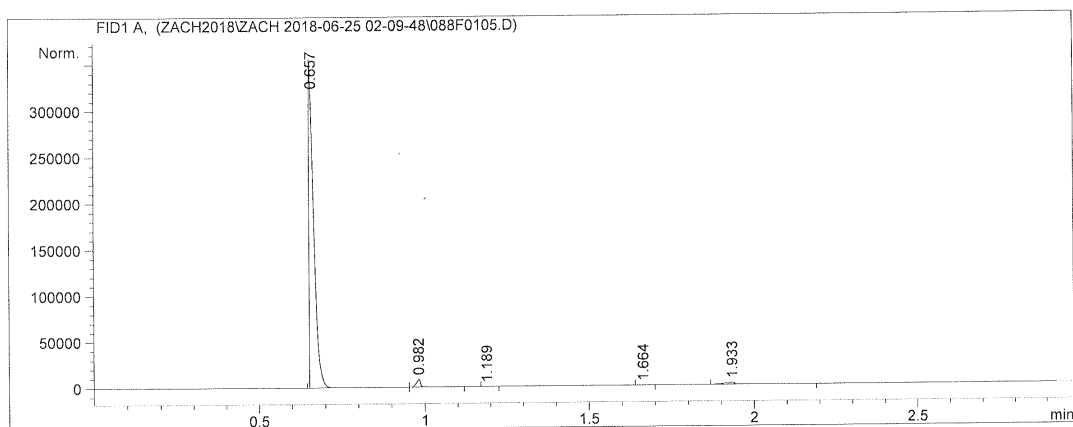
Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-06-25 02-09-48\088F0105.D

Sample Name: 4-bromo

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 25-Jun-18, 02:26:57              Inj       :    5
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-06-25 02-09-48\Z4.M
Last changed    : 6/3/2018 6:09:38 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



```

=====
Area Percent Report
=====

```

```

Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs

```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.657	BV S	0.0167	3.47171e5	3.19130e5	96.73913
2	0.982	VB S	0.0132	7299.35107	8499.19531	2.03396
3	1.189	BB	0.0142	2.31358	2.45415	0.00064
4	1.664	BB	0.0204	1.79831	1.34277	0.00050
5	1.933	BB	0.0280	4398.94580	2073.16748	1.22576

```
Totals :                3.58874e5  3.29706e5
```

```

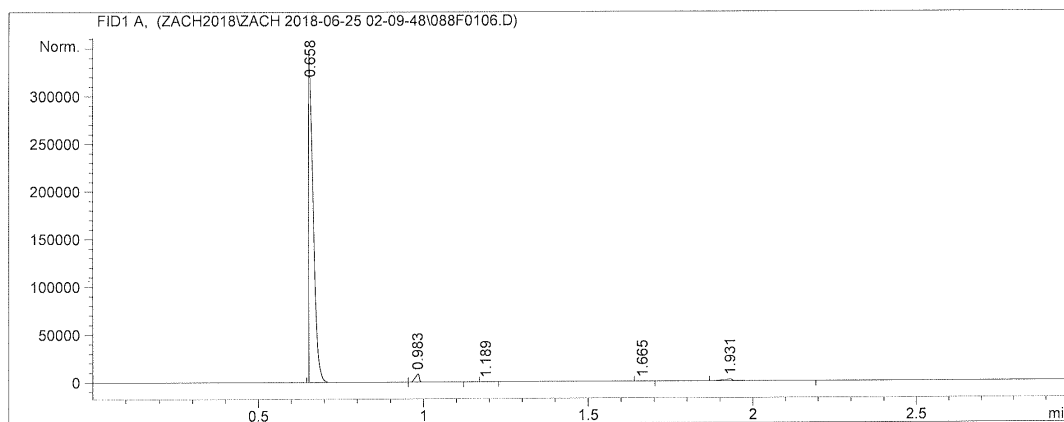
=====
*** End of Report ***

```

4-Bromobenzaldehyde: Sequence #1 – Run #6

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-06-25 02-09-48\088F0106.D
 Sample Name: 4-bromo

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 25-Jun-18, 02:31:00              Inj       :    6
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-06-25 02-09-48\Z4.M
Last changed    : 6/3/2018 6:09:38 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By           :      Signal
Multiplier           :      1.0000
Dilution             :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.658	BV S	0.0158	3.18808e5	3.15937e5	96.56348
2	0.983	VB S	0.0127	7412.09619	8413.04297	2.24505
3	1.189	BB	0.0136	2.25908	2.53923	0.00068
4	1.665	BB	0.0199	1.82708	1.40780	0.00055
5	1.931	BB	0.0279	3929.62134	1856.44543	1.19024

```
Totals :                      3.30153e5  3.26211e5
```

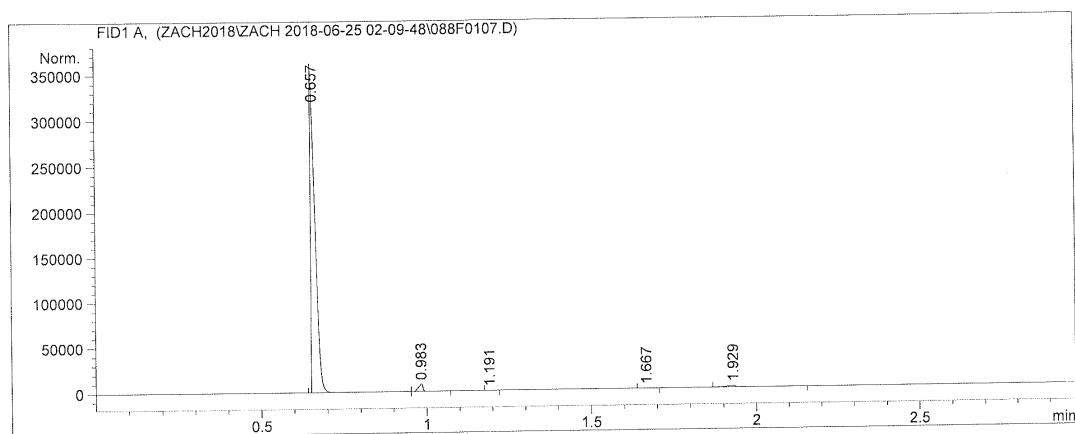
```
=====
*** End of Report ***
```

4-Bromobenzaldehyde: Sequence #1 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-06-25 02-09-48\088F0107.D
 Sample Name: 4-bromo

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 25-Jun-18, 02:35:01              Inj       :    7
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-06-25 02-09-48\Z4.M
Last changed    : 6/3/2018 6:09:38 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.657	BV S	0.0173	3.37047e5	3.14936e5	96.98686
2	0.983	VB S	0.0140	7169.05127	7715.01074	2.06293
3	1.191	BB	0.0143	2.24786	2.55777	0.00065
4	1.667	BB	0.0217	2.05000	1.41192	0.00059
5	1.929	BB	0.0273	3297.84302	1654.32813	0.94897

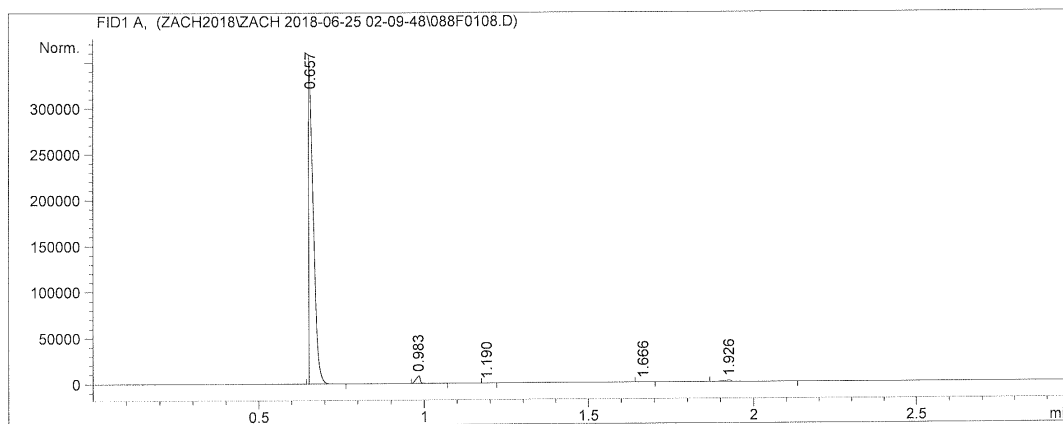
```
Totals :                      3.47518e5  3.24310e5
```

```
=====
*** End of Report ***
```

4-Bromobenzaldehyde: Sequence #1 – Run #8

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-06-25 02-09-48\088F0108.D
 Sample Name: 4-bromo

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 25-Jun-18, 02:39:04              Inj       :    8
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-06-25 02-09-48\Z4.M
Last changed    : 6/3/2018 6:09:38 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.657	BB S	0.0162	3.30307e5	3.16618e5	97.06538
2	0.983	BB S	0.0145	7200.36621	8026.06348	2.11593
3	1.190	BB	0.0141	2.12506	2.44442	0.00062
4	1.666	BB	0.0201	1.87490	1.42565	0.00055
5	1.926	BB	0.0262	2781.94263	1460.42725	0.81751

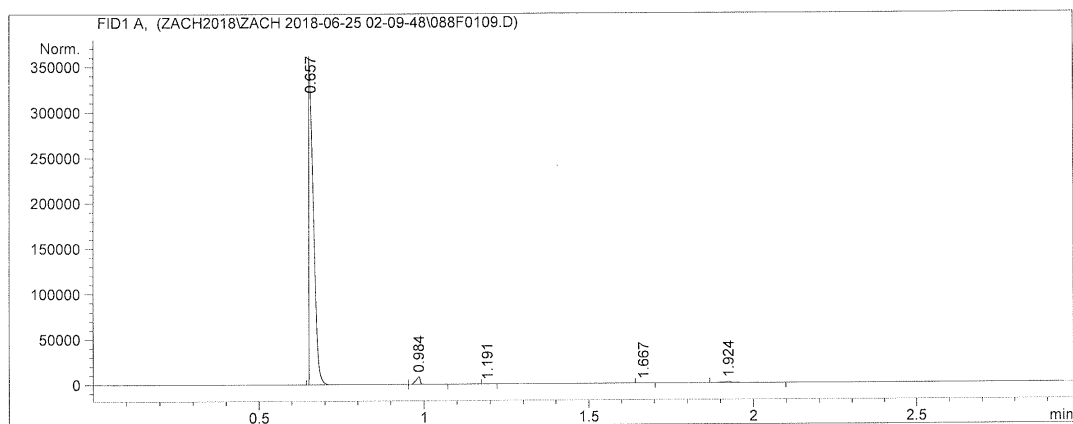
```
Totals :                      3.40293e5  3.26108e5
```

```
=====
*** End of Report ***
```

4-Bromobenzaldehyde: Sequence #1 – Run #9

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-06-25 02-09-48\088F0109.D
 Sample Name: 4-bromo

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 25-Jun-18, 02:43:06              Inj       :    9
                                                Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-06-25 02-09-48\Z4.M
Last changed    : 6/3/2018 6:09:38 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.657	BV S	0.0165	3.39741e5	3.16436e5	97.21770
2	0.984	VB S	0.0132	7272.08252	8502.43555	2.08092
3	1.191	BB	0.0138	2.32451	2.55641	0.00067
4	1.667	BB	0.0192	1.91066	1.55120	0.00055
5	1.924	BB	0.0268	2446.83960	1294.91040	0.70017

```
Totals :                      3.49465e5  3.26238e5
```

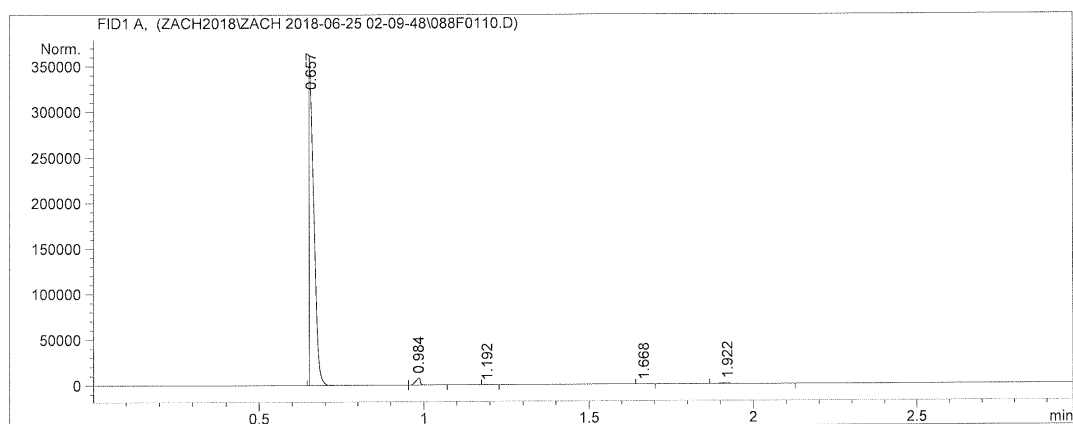
```
=====
*** End of Report ***
```

4-Bromobenzaldehyde: Sequence #1 – Run #10

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-06-25 02-09-48\088F0110.D
 Sample Name: 4-bromo

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 25-Jun-18, 02:47:09              Inj       :   10
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-06-25 02-09-48\Z4.M
Last changed    : 6/3/2018 6:09:38 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.657	BV S	0.0166	3.44093e5	3.19843e5	97.35804
2	0.984	VB S	0.0139	7206.22949	7855.85547	2.03894
3	1.192	BB	0.0134	2.22695	2.53750	0.00063
4	1.668	BB	0.0224	2.19477	1.45500	0.00062
5	1.922	BB	0.0259	2126.85400	1131.38745	0.60177

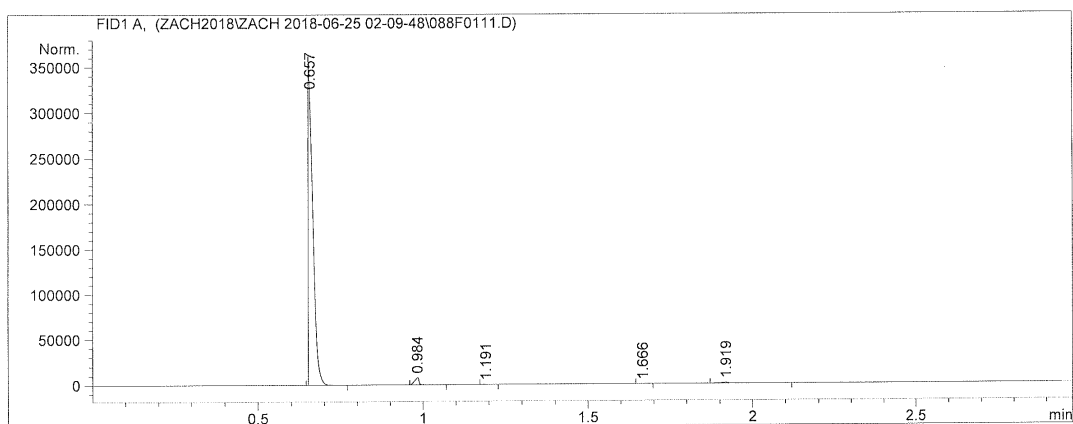
```
Totals :                      3.53431e5  3.28834e5
```

```
=====
*** End of Report ***
```


4-Bromobenzaldehyde: Sequence #1 – Run #11

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-06-25 02-09-48\088F0111.D
 Sample Name: 4-bromo

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 25-Jun-18, 02:51:13              Inj       : 11
                                                Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-06-25 02-09-48\Z4.M
Last changed    : 6/3/2018 6:09:38 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.657	BB S	0.0163	3.39910e5	3.21439e5	97.45532
2	0.984	BB S	0.0141	7057.98584	7561.46045	2.02359
3	1.191	BB	0.0136	2.05746	2.31192	0.00059
4	1.666	BB	0.0174	1.69126	1.47315	0.00048
5	1.919	BB	0.0259	1813.73328	1001.40710	0.52001

Totals : 3.48786e5 3.30005e5

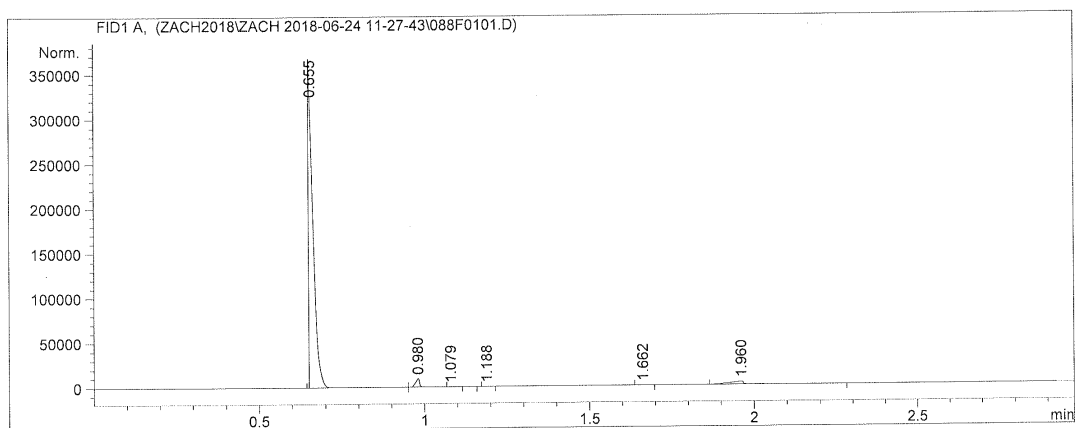
```
=====
*** End of Report ***
```

4-Bromobenzaldehyde: Sequence #2 – Run #1

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-06-24 11-27-43\088F0101.D
 Sample Name: 4-bromo

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-Jun-18, 11:28:46              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-06-24 11-27-43\Z4.M
Last changed    : 6/3/2018 6:09:38 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.655	BV S	0.0165	3.43061e5	3.20046e5	95.09493
2	0.980	VB S	0.0133	7795.56348	8996.85156	2.16090
3	1.079	BB X	0.0142	1.53433	1.80423	0.00043
4	1.188	BB	0.0149	2.43794	2.61144	0.00068
5	1.662	BB	0.0194	1.71269	1.36418	0.00047
6	1.960	BB	0.0396	9894.09180	3318.04907	2.74260

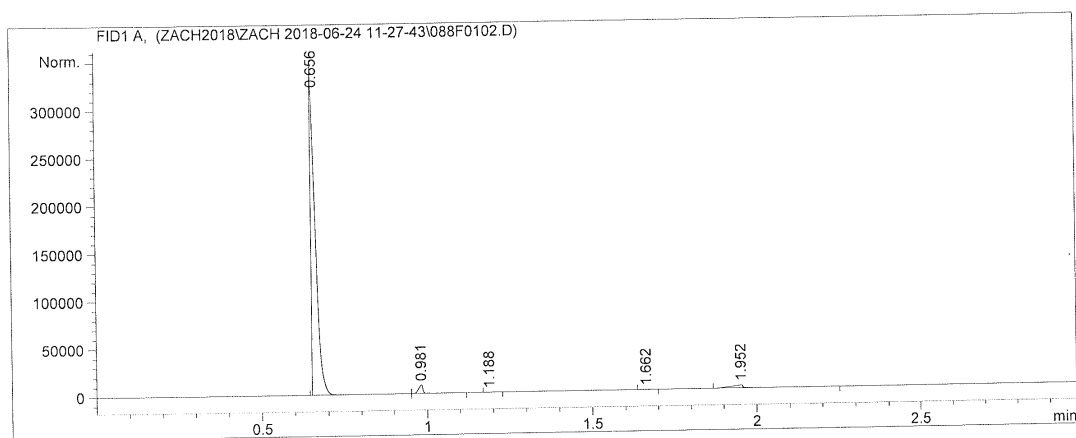
```
Totals :                      3.60756e5  3.32367e5
```

4-Bromobenzaldehyde: Sequence #2 – Run #2

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-06-24 11-27-43\088F0102.D
 Sample Name: 4-bromo

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-Jun-18, 11:32:48              Inj       :    2
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-06-24 11-27-43\Z4.M
Last changed    : 6/3/2018 6:09:38 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.656	BV S	0.0157	3.25175e5	3.24121e5	95.40430
2	0.981	VB S	0.0148	7817.57959	8478.30957	2.29363
3	1.188	BB	0.0151	2.42332	2.55674	0.00071
4	1.662	BB	0.0204	1.77390	1.39364	0.00052
5	1.952	BB	0.0339	7842.14111	2978.46558	2.30084

```
Totals :                      3.40839e5  3.35582e5
```

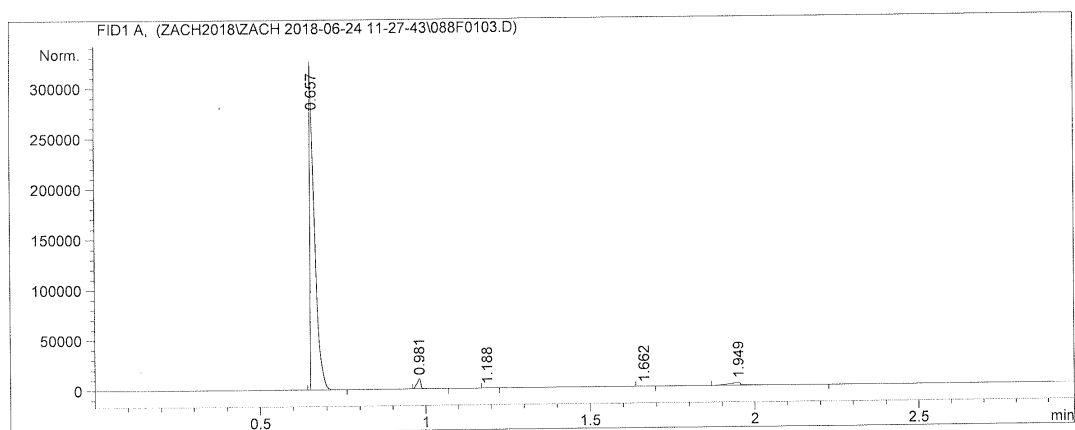
```
=====
*** End of Report ***
```

4-Bromobenzaldehyde: Sequence #2 – Run #3

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-06-24 11-27-43\088F0103.D
 Sample Name: 4-bromo

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-Jun-18, 11:36:49              Inj       :    3
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-06-24 11-27-43\Z4.M
Last changed    : 6/3/2018 6:09:38 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.657	BB S	0.0173	3.12548e5	2.73731e5	95.29886
2	0.981	BB S	0.0135	8293.64648	9356.45898	2.52881
3	1.188	BB	0.0147	2.68741	2.93054	0.00082
4	1.662	BB	0.0193	1.85171	1.48672	0.00056
5	1.949	BB	0.0343	7119.95020	2816.43921	2.17094

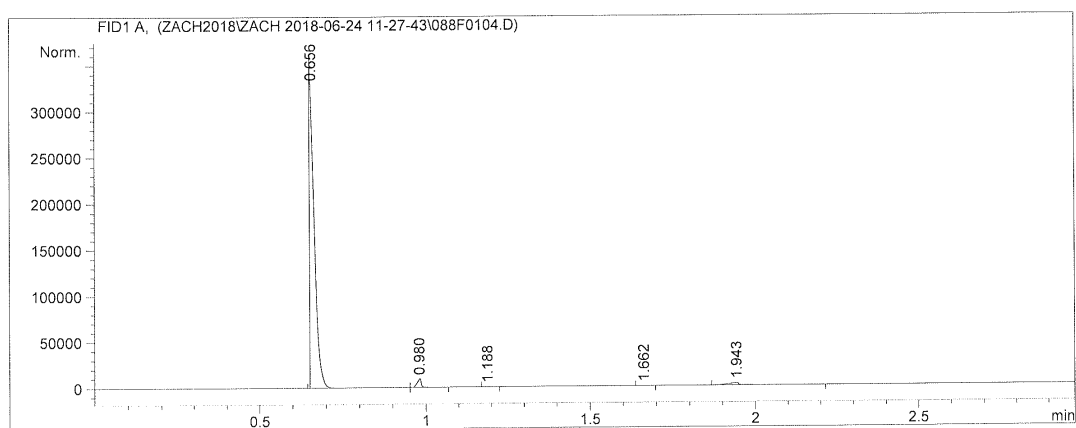
```
Totals :                      3.27966e5  2.85908e5
```

```
=====
*** End of Report ***
```

4-Bromobenzaldehyde: Sequence #2 – Run #4

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-06-24 11-27-43\088F0104.D
 Sample Name: 4-bromo

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-Jun-18, 11:40:51              Inj       :    4
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-06-24 11-27-43\Z4.M
Last changed    : 6/3/2018 6:09:38 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.656	BV S	0.0160	3.37607e5	3.29077e5	96.13329
2	0.980	VB S	0.0134	7781.41211	8862.99316	2.21575
3	1.188	BB	0.0150	2.56005	2.71943	0.00073
4	1.662	BB	0.0196	1.91281	1.50655	0.00054
5	1.943	BB	0.0335	5793.44922	2354.77026	1.64968

```
Totals :                      3.51186e5  3.40299e5
```

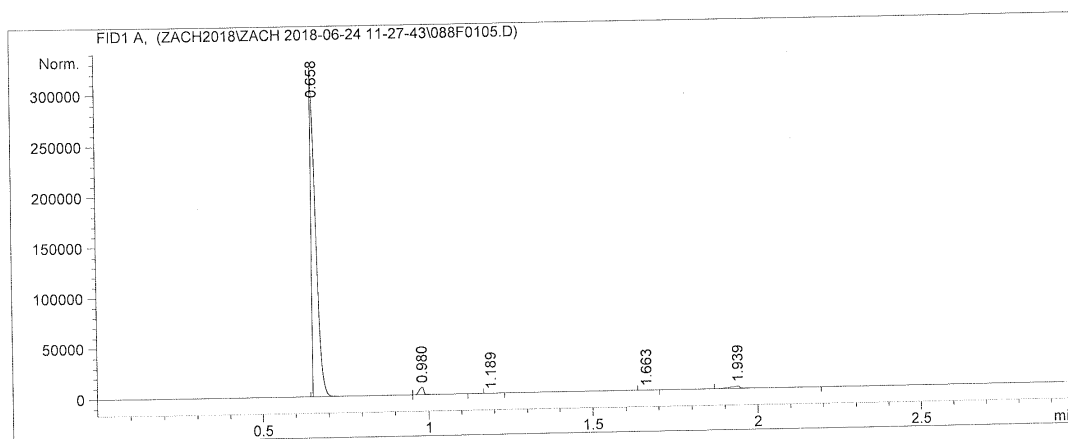
```
=====
*** End of Report ***
=====
```

4-Bromobenzaldehyde: Sequence #2 – Run #5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-06-24 11-27-43\088F0105.D
 Sample Name: 4-bromo

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-Jun-18, 11:44:52              Inj       :    5
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-06-24 11-27-43\Z4.M
Last changed    : 6/3/2018 6:09:38 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.658	BV S	0.0164	3.09191e5	2.91259e5	96.25018
2	0.980	VB S	0.0161	7059.38281	7290.52148	2.19756
3	1.189	BB	0.0169	2.15660	2.08171	0.00067
4	1.663	BB	0.0225	1.79530	1.23819	0.00056
5	1.939	BB	0.0328	4982.47363	2137.57129	1.55103

Totals : 3.21237e5 3.00691e5

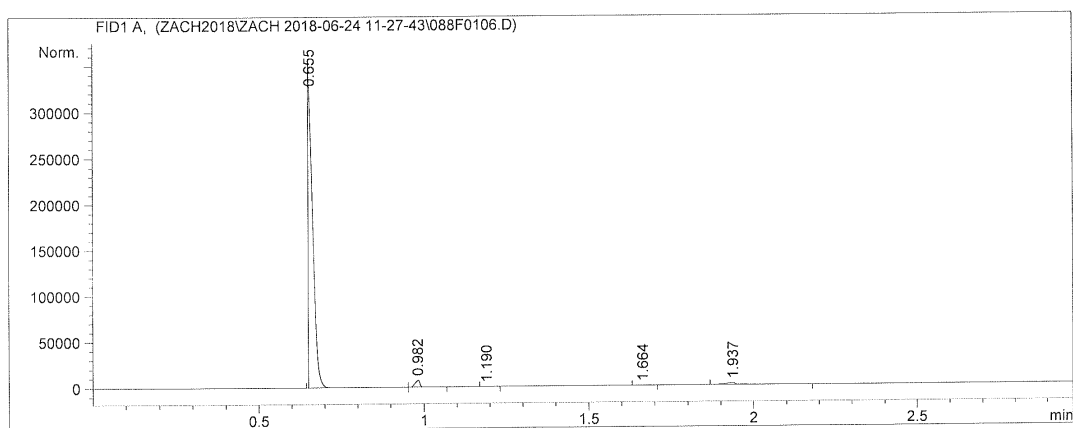
```
=====
*** End of Report ***
```

4-Bromobenzaldehyde: Sequence #2 – Run #6

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-06-24 11-27-43\088F0106.D
 Sample Name: 4-bromo

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-Jun-18, 11:48:53              Inj       :    6
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-06-24 11-27-43\Z4.M
Last changed    : 6/3/2018 6:09:38 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.655	BV S	0.0159	3.30611e5	3.23366e5	96.56234
2	0.982	VB S	0.0160	7240.70068	7509.18945	2.11481
3	1.190	BB	0.0157	2.31045	2.29471	0.00067
4	1.664	BB	0.0221	1.79952	1.34128	0.00053
5	1.937	BB	0.0307	4525.06689	1976.74768	1.32165

Totals : 3.42381e5 3.32856e5

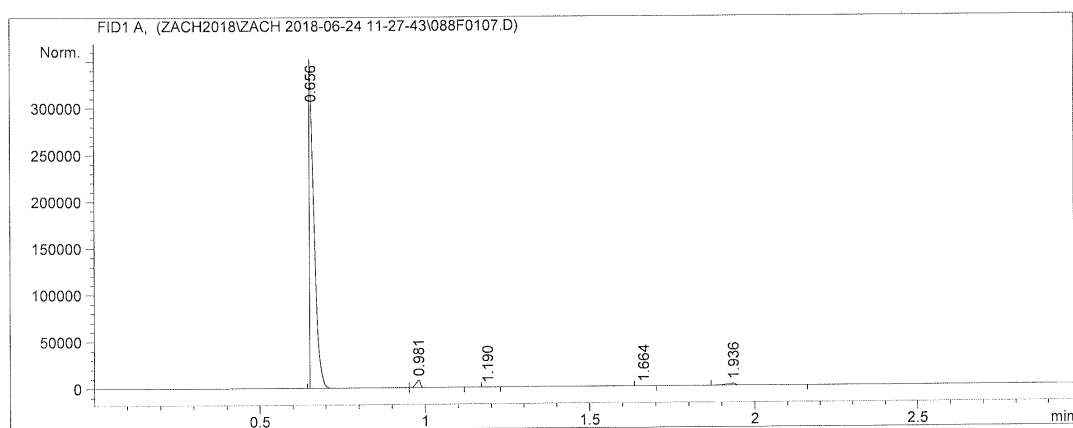
```
=====
*** End of Report ***
```

4-Bromobenzaldehyde: Sequence #2 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-06-24 11-27-43\088F0107.D
 Sample Name: 4-bromo

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 88
Injection Date  : 24-Jun-18, 11:52:53              Inj       :    7
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-06-24 11-27-43\Z4.M
Last changed    : 6/3/2018 6:09:38 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.656	BV S	0.0172	3.41517e5	3.01812e5	96.75988
2	0.981	VB S	0.0143	7333.65039	7740.64502	2.07780
3	1.190	BB	0.0150	2.17545	2.30357	0.00062
4	1.664	BB	0.0222	1.79748	1.26414	0.00051
5	1.936	BB	0.0290	4098.48389	1914.11169	1.16120

```
Totals :                      3.52953e5  3.11470e5
```

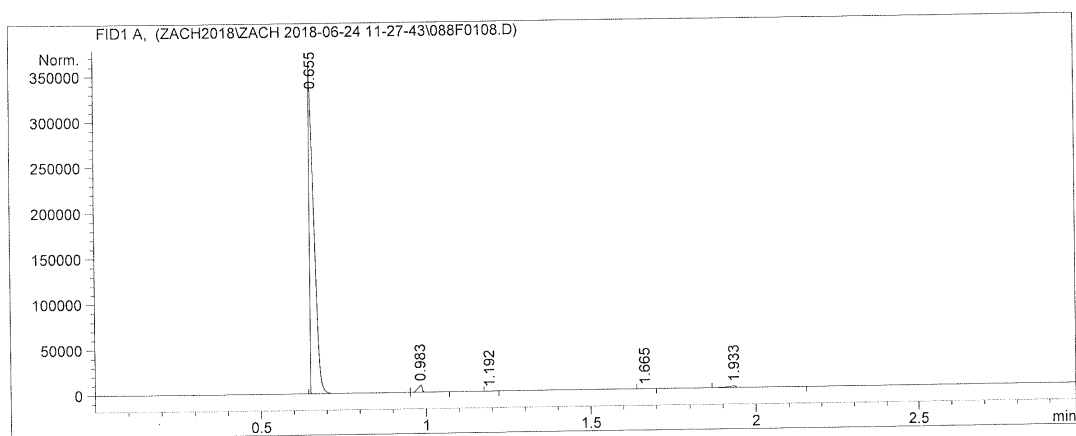
```
=====
*** End of Report ***
```


4-Bromobenzaldehyde: Sequence #2 – Run #8

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-06-24 11-27-43\088F0108.D
 Sample Name: 4-bromo

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-Jun-18, 11:56:56              Inj       :    8
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-06-24 11-27-43\Z4.M
Last changed    : 6/3/2018 6:09:38 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.655	BV S	0.0168	3.40732e5	3.30259e5	97.03330
2	0.983	VB S	0.0138	6951.68994	7644.65967	1.97970
3	1.192	BB	0.0134	2.05070	2.34496	0.00058
4	1.665	BB	0.0199	1.98002	1.53056	0.00056
5	1.933	BB	0.0280	3461.82593	1680.42432	0.98586

```
Totals :                      3.51149e5  3.39588e5
```

```
=====
*** End of Report ***
```

4-Bromobenzaldehyde: Sequence #2 – Run #9

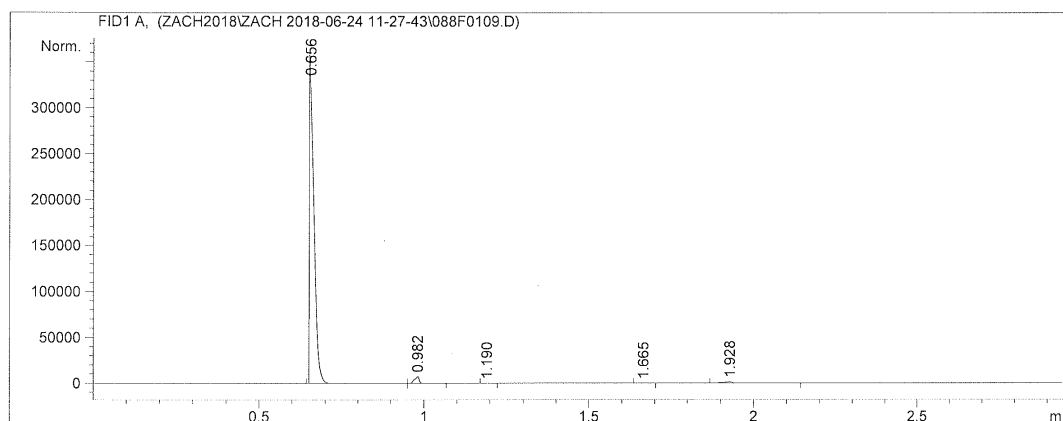
Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-06-24 11-27-43\088F0109.D

Sample Name: 4-bromo

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-Jun-18, 12:00:57              Inj       :    9
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-06-24 11-27-43\Z4.M
Last changed    : 6/3/2018 6:09:38 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



```

=====
                          Area Percent Report
=====

```

```

Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs

```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.656	BV S	0.0154	3.33132e5	3.40521e5	97.10690
2	0.982	VB S	0.0133	6854.60156	7335.25781	1.99810
3	1.190	BB	0.0151	1.94397	2.04677	0.00057
4	1.665	BB	0.0219	1.85813	1.33036	0.00054
5	1.928	BB	0.0273	3066.56592	1487.36328	0.89390

```
Totals :                      3.43057e5  3.49347e5
```

```

=====
*** End of Report ***

```

4-Bromobenzaldehyde: Sequence #2 – Run #10

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-06-24 11-27-43\088F0110.D

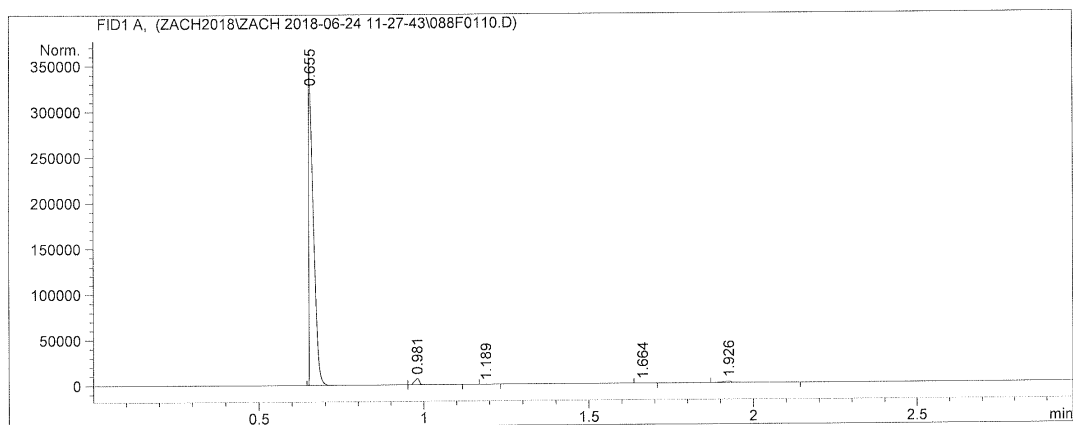
Sample Name: 4-bromo

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-Jun-18, 12:05:00              Inj       :   10
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-06-24 11-27-43\Z4.M
Last changed    : 6/3/2018 6:09:38 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



```

=====
                          Area Percent Report
=====

```

```

Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs

```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.655	BV S	0.0160	3.33903e5	3.23342e5	97.20438
2	0.981	VB S	0.0176	6849.10645	6632.00781	1.99388
3	1.189	BB	0.0152	1.94930	2.02194	0.00057
4	1.664	BB	0.0229	1.79011	1.26293	0.00052
5	1.926	BB	0.0281	2750.28857	1376.95715	0.80065

```
Totals :                      3.43506e5  3.31354e5
```

```

=====
*** End of Report ***

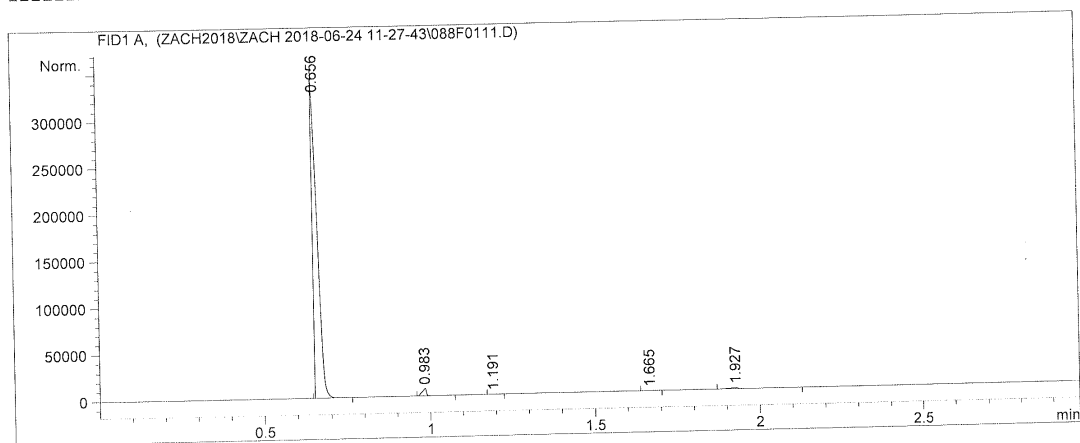
```

4-Bromobenzaldehyde: Sequence #2 – Run #11

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-06-24 11-27-43\088F0111.D
 Sample Name: 4-bromo

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-Jun-18, 12:09:01              Inj       :   11
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-06-24 11-27-43\Z4.M
Last changed    : 6/3/2018 6:09:38 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.656	BB S	0.0165	3.25114e5	3.24040e5	97.21991
2	0.983	BB S	0.0138	6824.21680	7507.59277	2.04067
3	1.191	BB	0.0142	2.29302	2.44165	0.00069
4	1.665	BB	0.0191	1.75362	1.42632	0.00052
5	1.927	BB	0.0266	2468.64038	1276.64661	0.73821

Totals : 3.34411e5 3.32828e5

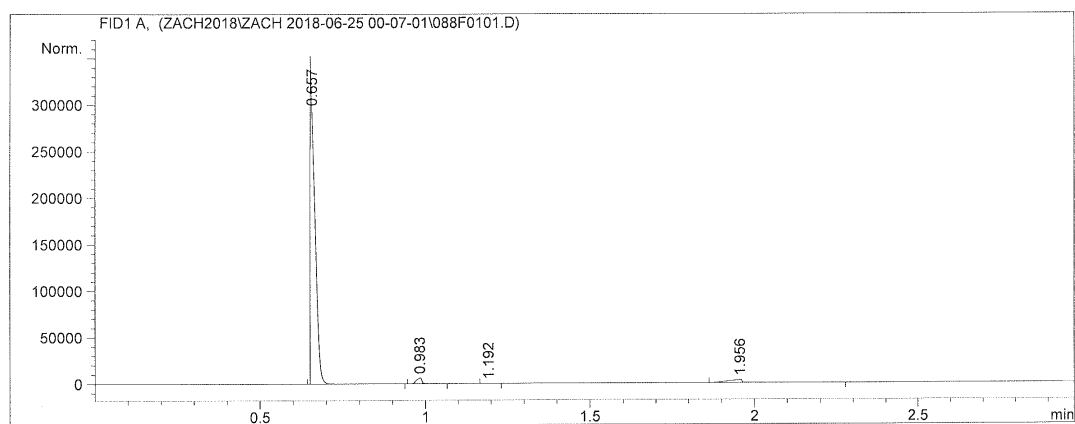
```
=====
*** End of Report ***
=====
```

4-Bromobenzaldehyde: Sequence #3 – Run #1

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-06-25 00-07-01\088F0101.D
 Sample Name: 4-bromo

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 25-Jun-18, 00:08:04              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-06-25 00-07-01\Z4.M
Last changed    : 6/3/2018 6:09:38 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.657	BB S	0.0187	3.31556e5	2.94599e5	95.31727
2	0.983	BB S	0.0196	6794.08057	5993.34180	1.95319
3	1.192	BB	0.0185	2.30357	1.95736	0.00066
4	1.956	BB	0.0395	9492.22852	3119.07324	2.72887

Totals : 3.47845e5 3.03714e5

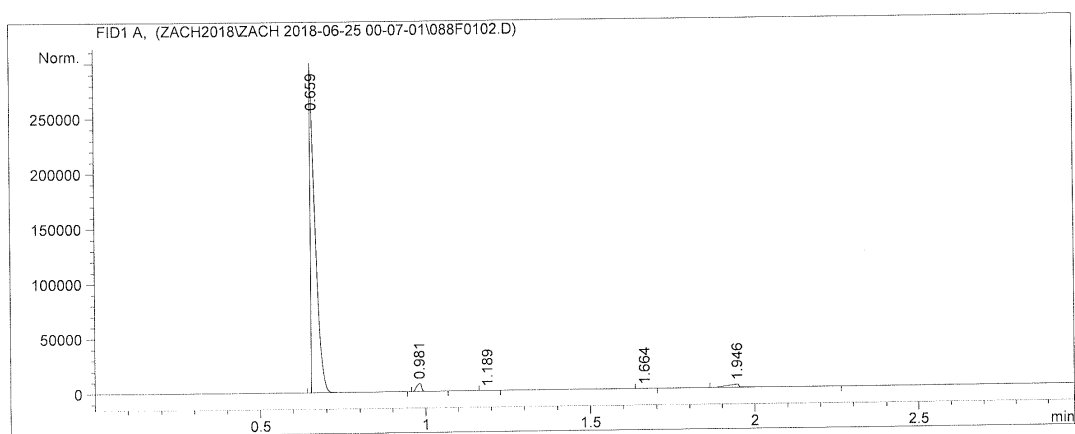
```
=====
*** End of Report ***
=====
```

4-Bromobenzaldehyde: Sequence #3 – Run #2

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-06-25 00-07-01\088F0102.D
 Sample Name: 4-bromo

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 25-Jun-18, 00:12:07              Inj       :    2
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-06-25 00-07-01\Z4.M
Last changed    : 6/3/2018 6:09:38 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.659	BB S	0.0171	3.00533e5	2.52702e5	95.22336
2	0.981	BB S	0.0164	7342.91602	7389.93945	2.32659
3	1.189	BB	0.0182	2.48700	2.29692	0.00079
4	1.664	BB	0.0214	1.70984	1.26122	0.00054
5	1.946	BB	0.0371	7728.34424	2795.13184	2.44872

Totals : 3.15608e5 2.62891e5

```
=====
*** End of Report ***
=====
```

4-Bromobenzaldehyde: Sequence #3 – Run #3

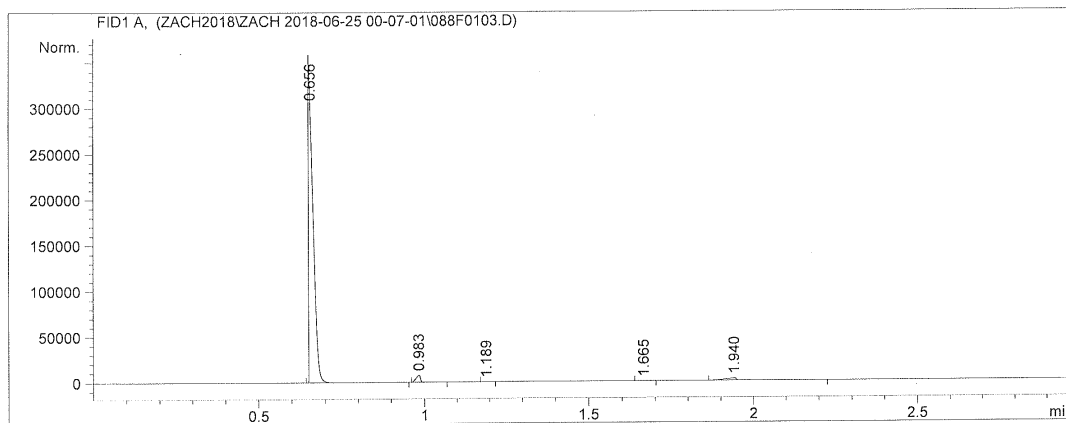
Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-06-25 00-07-01\088F0103.D

Sample Name: 4-bromo

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 25-Jun-18, 00:16:10              Inj       :    3
                                                Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-06-25 00-07-01\Z4.M
Last changed    : 6/3/2018 6:09:38 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



```

=====
                          Area Percent Report
=====

```

```

Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs

```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.656	BB S	0.0167	3.31881e5	3.03950e5	96.21303
2	0.983	BB S	0.0149	7099.56836	7583.13330	2.05818
3	1.189	BB	0.0151	2.38428	2.50170	0.00069
4	1.665	BB	0.0207	1.60074	1.23762	0.00046
5	1.940	BB	0.0330	5959.39258	2394.09351	1.72764

```
Totals :                      3.44944e5  3.13931e5
```

```

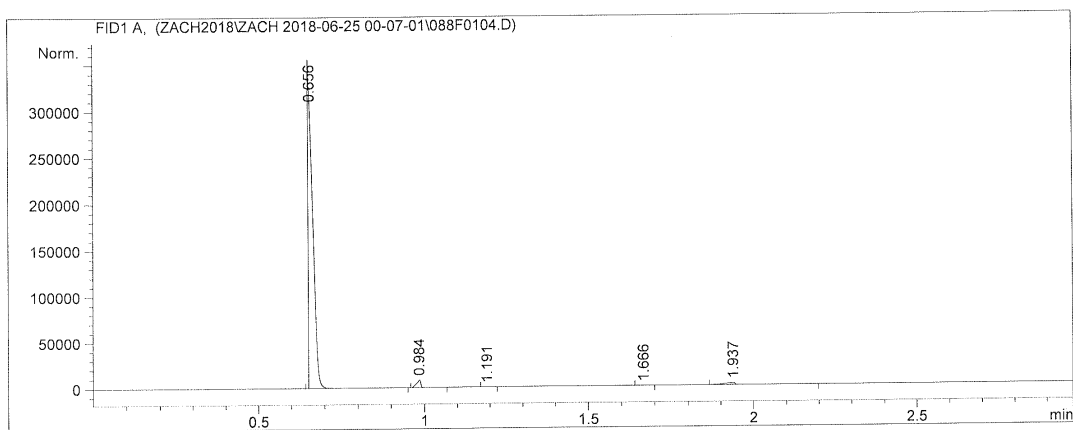
=====
*** End of Report ***

```

4-Bromobenzaldehyde: Sequence #3 – Run #4

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-06-25 00-07-01\088F0104.D
 Sample Name: 4-bromo

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 25-Jun-18, 00:20:12              Inj       :    4
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-06-25 00-07-01\Z4.M
Last changed    : 6/3/2018 6:09:38 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.656	BB S	0.0176	3.36056e5	3.05554e5	96.52355
2	0.984	BB S	0.0124	7051.16064	8248.84570	2.02527
3	1.191	BB	0.0144	2.41324	2.70762	0.00069
4	1.666	BB	0.0190	1.56628	1.28719	0.00045
5	1.937	BB	0.0302	5048.41895	2181.95508	1.45003

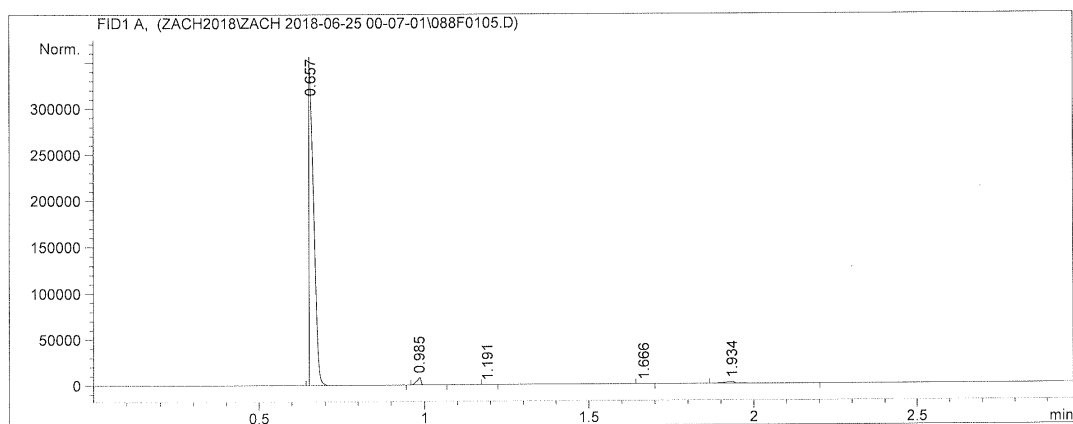
Totals : 3.48159e5 3.15989e5

```
=====
*** End of Report ***
=====
```


4-Bromobenzaldehyde: Sequence #3 – Run #5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-06-25 00-07-01\088F0105.D
 Sample Name: 4-bromo

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 25-Jun-18, 00:24:15              Inj       :    5
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-06-25 00-07-01\Z4.M
Last changed    : 6/3/2018 6:09:38 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.657	BB S	0.0175	3.37239e5	3.09480e5	96.70726
2	0.985	BB S	0.0124	7034.42480	8223.92090	2.01720
3	1.191	BB	0.0133	2.29558	2.66387	0.00066
4	1.666	BB	0.0201	1.79374	1.37117	0.00051
5	1.934	BB	0.0298	4443.96436	2006.39563	1.27436

```
Totals :                      3.48721e5  3.19714e5
```

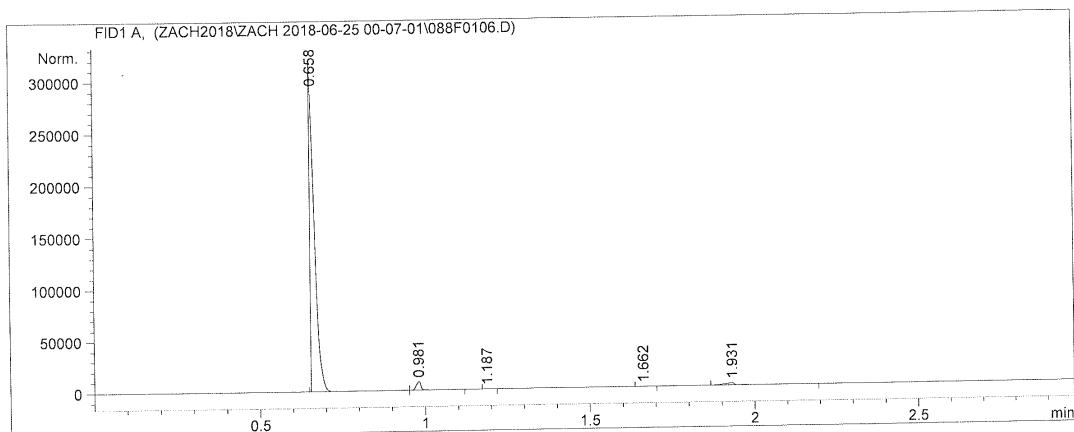
```
=====
*** End of Report ***
```

4-Bromobenzaldehyde: Sequence #3 – Run #6

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-06-25 00-07-01\088F0106.D
 Sample Name: 4-bromo

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 25-Jun-18, 00:28:16              Inj       :    6
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-06-25 00-07-01\Z4.M
Last changed    : 6/3/2018 6:09:38 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.658	BV S	0.0163	3.06117e5	2.90816e5	96.16225
2	0.981	VB S	0.0161	7747.89404	7990.93408	2.43389
3	1.187	BB	0.0158	2.45617	2.43755	0.00077
4	1.662	BB	0.0218	1.86414	1.34462	0.00059
5	1.931	BB	0.0302	4464.63281	2052.52734	1.40250

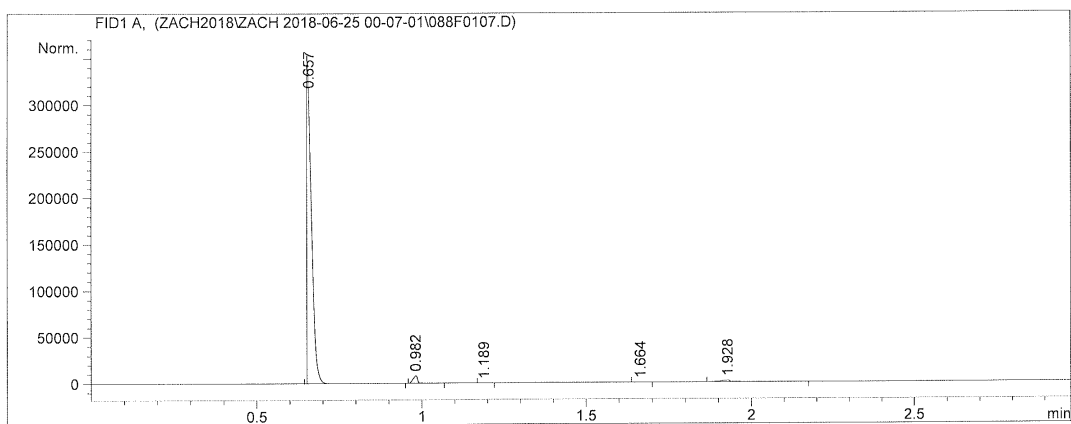
```
Totals :                      3.18333e5  3.00863e5
```

```
=====
*** End of Report ***
```

4-Bromobenzaldehyde: Sequence #3 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-06-25 00-07-01\088F0107.D
 Sample Name: 4-bromo

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 25-Jun-18, 00:32:19              Inj       :    7
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-06-25 00-07-01\Z4.M
Last changed    : 6/3/2018 6:09:38 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.657	BB S	0.0163	3.31408e5	3.13445e5	96.73858
2	0.982	BB S	0.0148	7479.45605	8105.19580	2.18327
3	1.189	BB	0.0153	2.33005	2.39805	0.00068
4	1.664	BB	0.0217	1.93312	1.33304	0.00056
5	1.928	BB	0.0271	3689.27686	1802.73120	1.07691

```
Totals :                      3.42581e5  3.23356e5
```

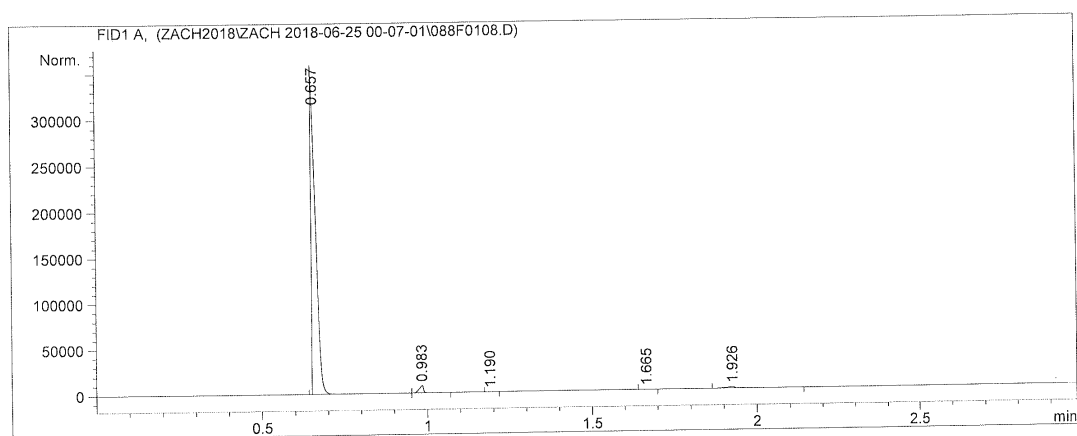
```
=====
*** End of Report ***
```

4-Bromobenzaldehyde: Sequence #3 – Run #8

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-06-25 00-07-01\088F0108.D
 Sample Name: 4-bromo

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                    Location : Vial 88
Injection Date  : 25-Jun-18, 00:36:21             Inj       :    8
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-06-25 00-07-01\Z4.M
Last changed    : 6/3/2018 6:09:38 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.657	BV S	0.0172	3.31502e5	3.10868e5	97.03195
2	0.983	VB S	0.0142	7132.63574	7593.50732	2.08775
3	1.190	BB	0.0145	2.18892	2.42921	0.00064
4	1.665	BB	0.0198	1.67399	1.30070	0.00049
5	1.926	BB	0.0278	3003.60767	1525.27417	0.87917

```
Totals :                      3.41642e5  3.19991e5
```

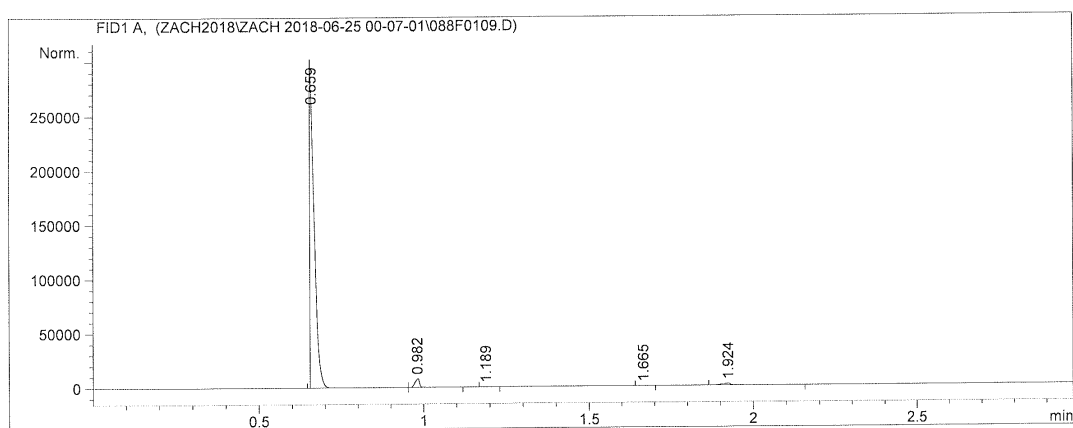
```
=====
*** End of Report ***
```

4-Bromobenzaldehyde: Sequence #3 – Run #9

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-06-25 00-07-01\088F0109.D
 Sample Name: 4-bromo

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 25-Jun-18, 00:40:25              Inj       :    9
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-06-25 00-07-01\Z4.M
Last changed    : 6/3/2018 6:09:38 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.659	BV S	0.0174	2.77298e5	2.57173e5	96.37993
2	0.982	VB S	0.0156	7335.52441	7930.45801	2.54959
3	1.189	BB	0.0151	2.25134	2.35859	0.00078
4	1.665	BB	0.0223	1.91613	1.34254	0.00067
5	1.924	BB	0.0287	3075.75415	1498.72998	1.06903

```
Totals :                      2.87714e5  2.66606e5
```

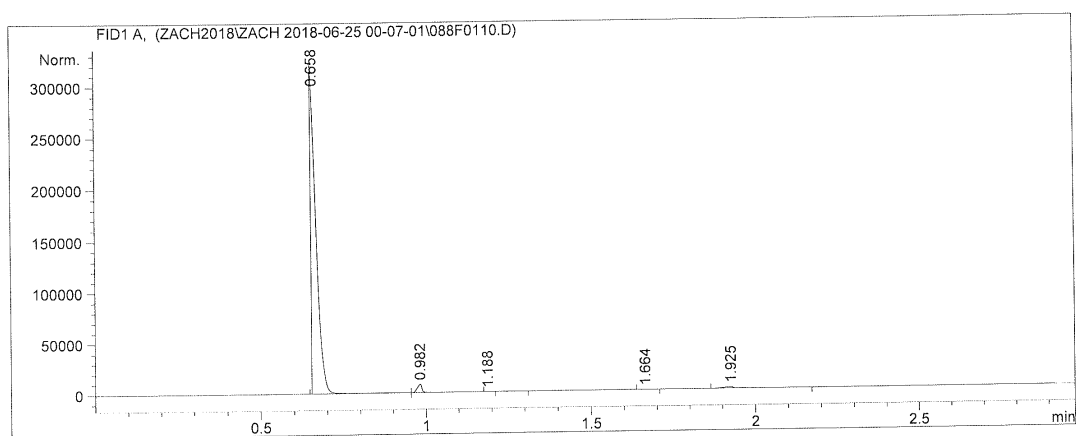
```
=====
*** End of Report ***
```

4-Bromobenzaldehyde: Sequence #3 – Run #10

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-06-25 00-07-01\088F0110.D
 Sample Name: 4-bromo

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 25-Jun-18, 00:44:26              Inj       :   10
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-06-25 00-07-01\Z4.M
Last changed    : 6/3/2018 6:09:38 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                        Area Percent Report
=====
```

Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.658	BV S	0.0183	3.51395e5	3.03663e5	96.81759
2	0.982	VB S	0.0167	8380.83594	8194.20703	2.30912
3	1.188	BB X	0.0164	2.71455	2.55957	0.00075
4	1.664	BB	0.0225	1.94129	1.34214	0.00053
5	1.925	BB	0.0283	3164.92627	1517.88623	0.87201

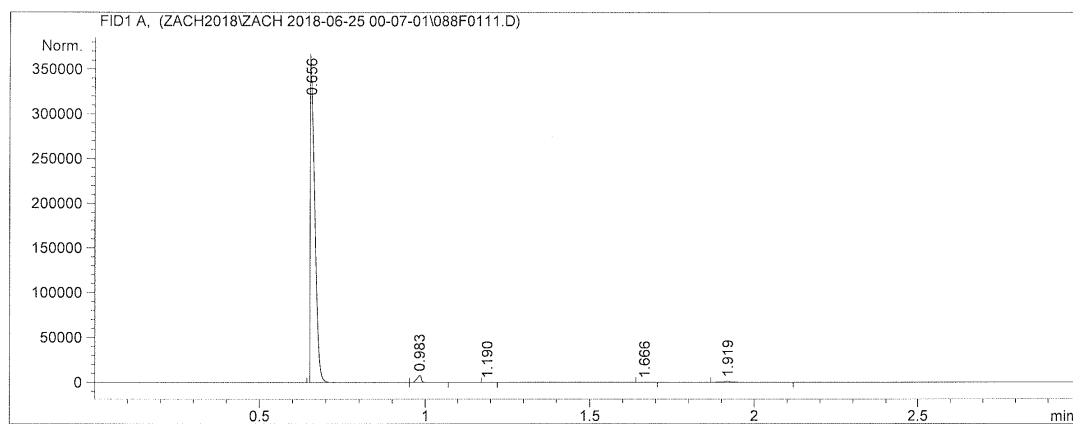
Totals : 3.62946e5 3.13379e5

```
=====
*** End of Report ***
```

4-Bromobenzaldehyde: Sequence #3 – Run #11

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-06-25 00-07-01\088F0111.D
 Sample Name: 4-bromo

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 25-Jun-18, 00:48:29              Inj       :   11
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-06-25 00-07-01\Z4.M
Last changed    : 6/3/2018 6:09:38 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.656	BV S	0.0173	3.40499e5	3.16542e5	97.28805
2	0.983	VB S	0.0167	7275.59180	7674.56250	2.07879
3	1.190	BB	0.0143	2.12921	2.41818	0.00061
4	1.666	BB	0.0215	1.90675	1.39531	0.00054
5	1.919	BB	0.0265	2211.96265	1190.14136	0.63201

```
Totals :                      3.49991e5  3.25410e5
```

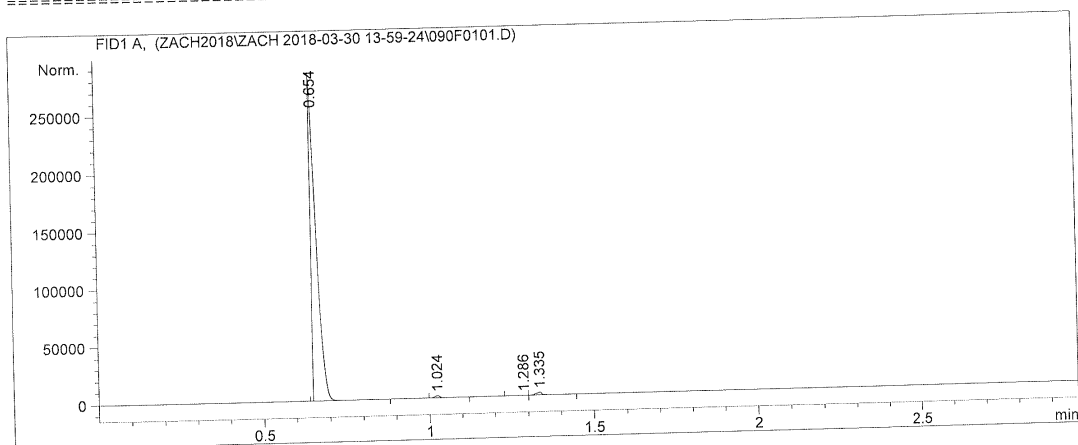
```
=====
*** End of Report ***
```

4-Methylbenzaldehyde: Sequence #1 – Run #1

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-03-30 13-59-24\090F0101.D
 Sample Name: 4-Methyl Run #1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 30-Mar-18, 14:00:27              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-03-30 13-59-24\ZACH2018.M
Last changed    : 3/28/2018 2:43:48 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.654	BB S	0.0190	3.23106e5	2.50946e5	98.55458
2	1.024	VB	0.0180	1894.96045	1788.16663	0.57801
3	1.286	BV	0.0289	13.24100	6.64416	0.00404
4	1.335	VB	0.0198	2830.52417	2322.62012	0.86337

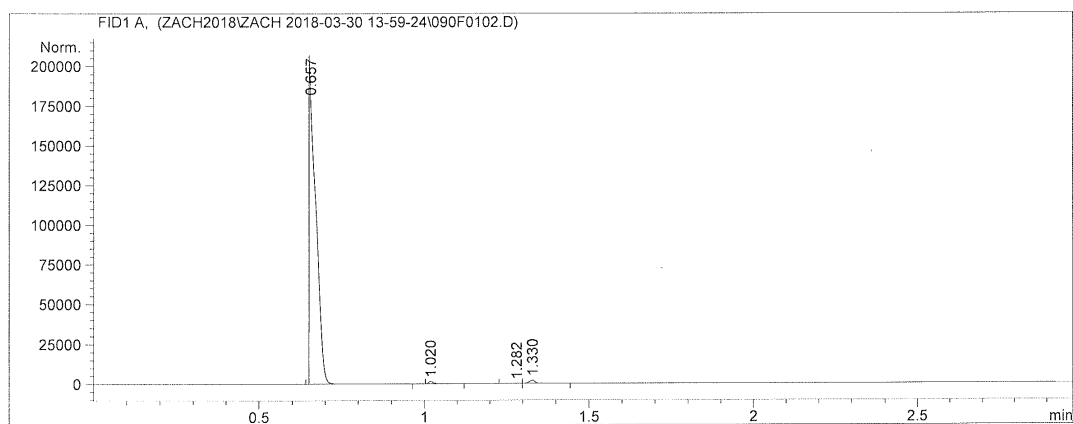
```
Totals :                      3.27845e5  2.55064e5
```

```
=====
*** End of Report ***
```


4-Methylbenzaldehyde: Sequence #1 – Run #2

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-03-30 13-59-24\090F0102.D
Sample Name: 4-Methyl Run #1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 30-Mar-18, 14:04:31              Inj       :    2
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-03-30 13-59-24\ZACH2018.M
Last changed    : 3/28/2018 2:43:48 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.657	BB S	0.0207	2.81419e5	1.79212e5	98.66778
2	1.020	BB	0.0161	1466.29736	1419.60242	0.51409
3	1.282	BV	0.0270	9.86159	5.18865	0.00346
4	1.330	VB	0.0187	2323.59814	1946.61450	0.81467

Totals : 2.85219e5 1.82584e5

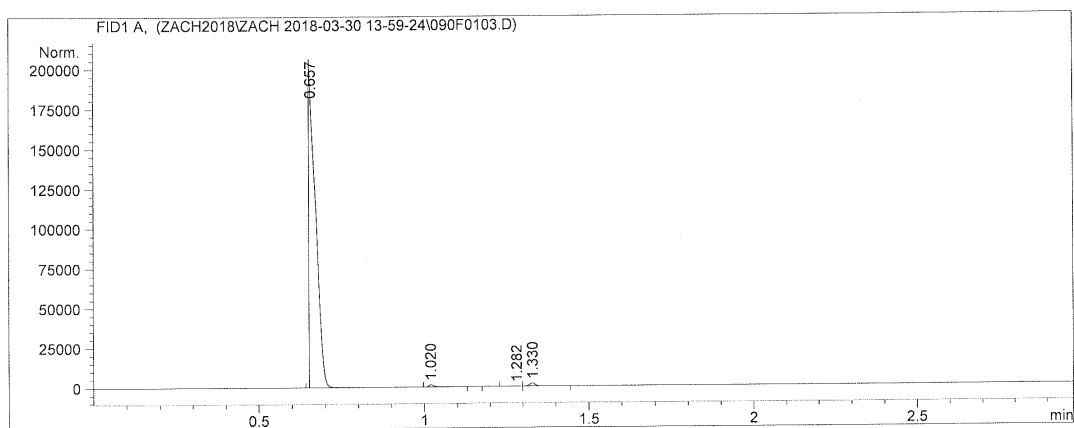
*** End of Report ***

4-Methylbenzaldehyde: Sequence #1 – Run #3

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-03-30 13-59-24\090F0103.D
 Sample Name: 4-Methyl Run #1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 30-Mar-18, 14:08:33              Inj       :    3
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-03-30 13-59-24\ZACH2018.M
Last changed    : 3/28/2018 2:43:48 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.657	BB S	0.0208	2.82033e5	1.79060e5	98.67720
2	1.020	BB X	0.0161	1479.56067	1339.46875	0.51767
3	1.282	BV	0.0282	10.68867	5.32963	0.00374
4	1.330	VB	0.0191	2290.51465	1872.03467	0.80140

```
Totals :                      2.85814e5  1.82277e5
```

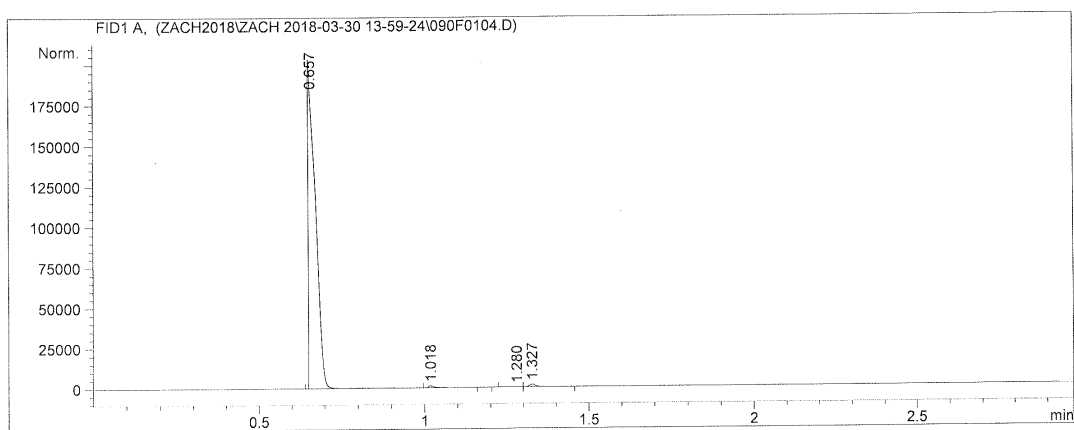
```
=====
*** End of Report ***
=====
```

4-Methylbenzaldehyde: Sequence #1 – Run #4

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-03-30 13-59-24\090F0104.D
 Sample Name: 4-Methyl Run #1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 30-Mar-18, 14:12:35              Inj       :    4
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-03-30 13-59-24\ZACH2018.M
Last changed    : 3/28/2018 2:43:48 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.657	BB S	0.0220	3.06310e5	1.82472e5	98.94629
2	1.018	BB X	0.0161	1317.81604	1191.71094	0.42569
3	1.280	BV	0.0349	26.18703	9.89018	0.00846
4	1.327	VB	0.0179	1918.00415	1610.33276	0.61957

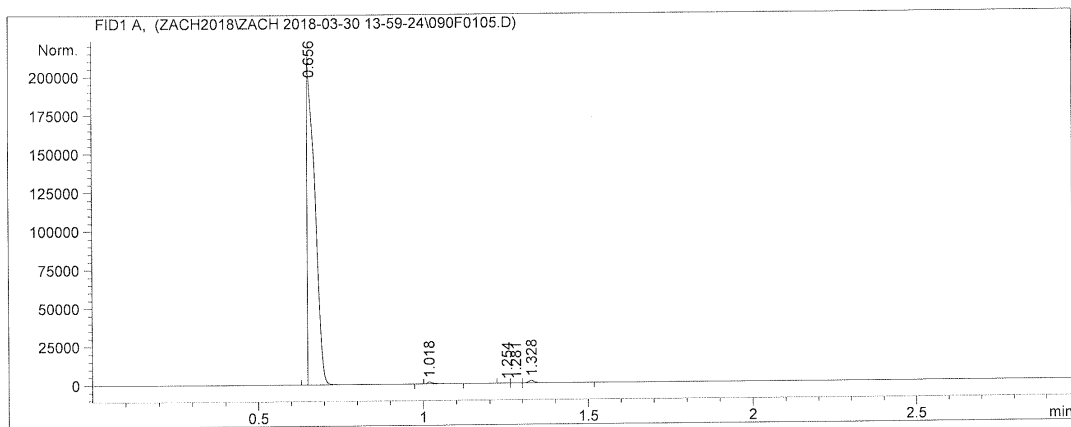
```
Totals :                      3.09572e5  1.85284e5
```

```
=====
*** End of Report ***
=====
```

4-Methylbenzaldehyde: Sequence #1 – Run #5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-03-30 13-59-24\090F0105.D
 Sample Name: 4-Methyl Run #1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 30-Mar-18, 14:16:38              Inj       :    5
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-03-30 13-59-24\ZACH2018.M
Last changed    : 3/28/2018 2:43:48 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.656	BB S	0.0214	3.39354e5	2.07884e5	99.00019
2	1.018	BB	0.0164	1396.23401	1236.07581	0.40733
3	1.254	BV	0.0250	13.01896	7.51408	0.00380
4	1.281	VV	0.0250	19.41205	10.80859	0.00566
5	1.328	VB	0.0186	1998.50415	1591.64880	0.58303

```
Totals :                      3.42781e5  2.10730e5
```

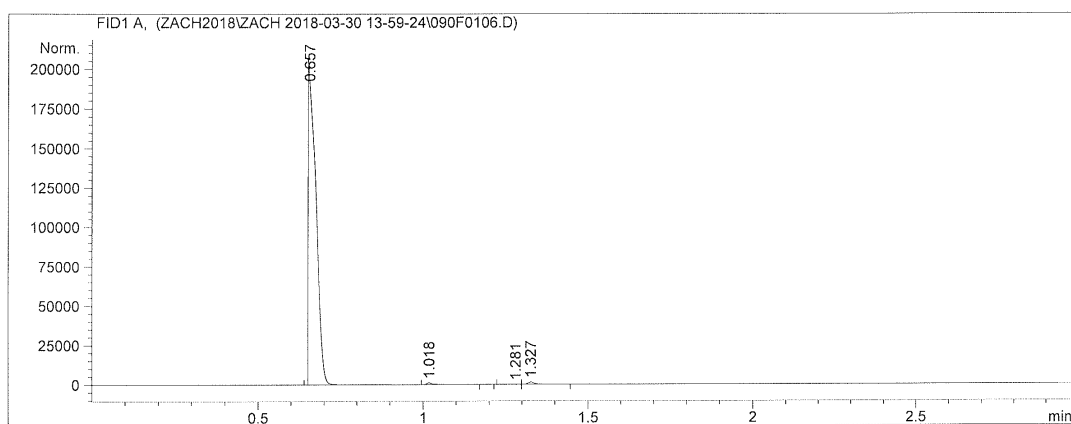
```
=====
*** End of Report ***
```

4-Methylbenzaldehyde: Sequence #1 – Run #6

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-03-30 13-59-24\090F0106.D
 Sample Name: 4-Methyl Run #1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 90
Injection Date  : 30-Mar-18, 14:20:41              Inj       :    6
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-03-30 13-59-24\ZACH2018.M
Last changed    : 3/28/2018 2:43:48 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.657	BB S	0.0227	3.30657e5	1.89584e5	99.07567
2	1.018	BB X	0.0167	1325.60974	1146.83191	0.39720
3	1.281	BV	0.0345	23.17997	8.88037	0.00695
4	1.327	VB	0.0190	1736.08325	1422.90332	0.52019

Totals : 3.33742e5 1.92163e5

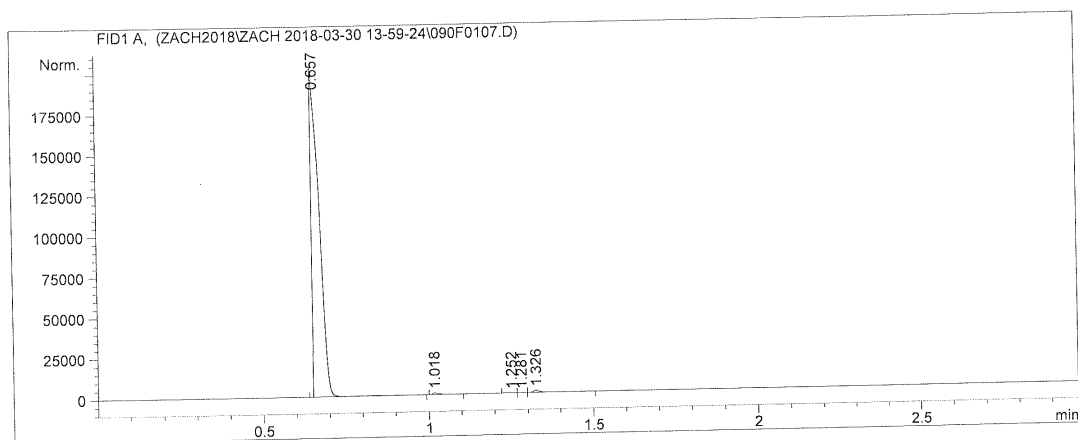
*** End of Report ***

4-Methylbenzaldehyde: Sequence #1 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-03-30 13-59-24\090F0107.D
 Sample Name: 4-Methyl Run #1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 30-Mar-18, 14:24:43              Inj       :    7
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-03-30 13-59-24\ZACH2018.M
Last changed    : 3/28/2018 2:43:48 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.657	BB S	0.0291	3.27084e5	1.87656e5	99.13215
2	1.018	BB	0.0179	1214.85278	1020.00299	0.36820
3	1.252	BV	0.0290	15.57278	7.26285	0.00472
4	1.281	VV	0.0231	16.43096	10.06161	0.00498
5	1.326	VB	0.0192	1616.58044	1238.89282	0.48995

```
Totals :                      3.29948e5  1.89932e5
```

```
=====
*** End of Report ***
```

4-Methylbenzaldehyde: Sequence #1 – Run #8

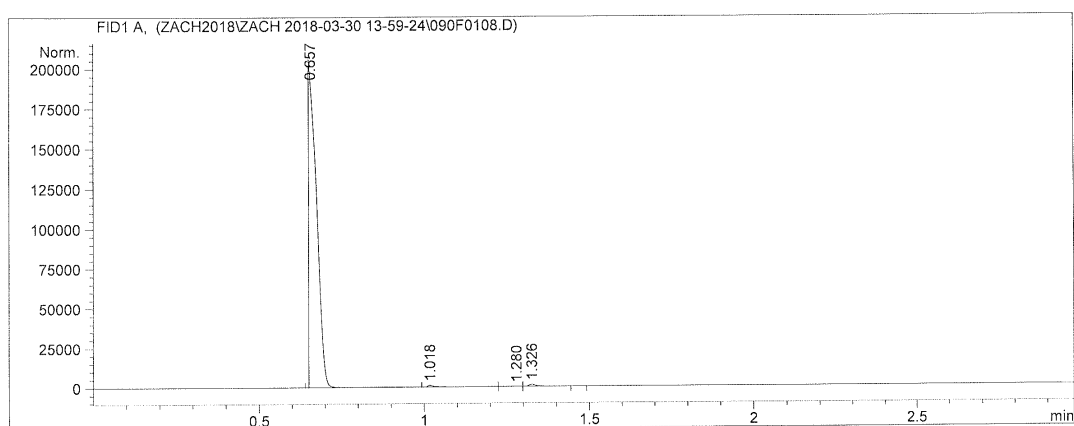
Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-03-30 13-59-24\090F0108.D

Sample Name: 4-Methyl Run #1

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 30-Mar-18, 14:28:47              Inj       :    8
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-03-30 13-59-24\ZACH2018.M
Last changed    : 3/28/2018 2:43:48 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



```

=====
Area Percent Report
=====

```

```

Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs

```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.657	BB S	0.0294	3.38996e5	1.91567e5	99.10548
2	1.018	BV T	0.0177	1351.14636	1088.58765	0.39501
3	1.280	VV X	0.0453	64.86008	17.95480	0.01896
4	1.326	VB X	0.0188	1643.74854	1294.07678	0.48055

```
Totals :                3.42056e5  1.93968e5
```

```

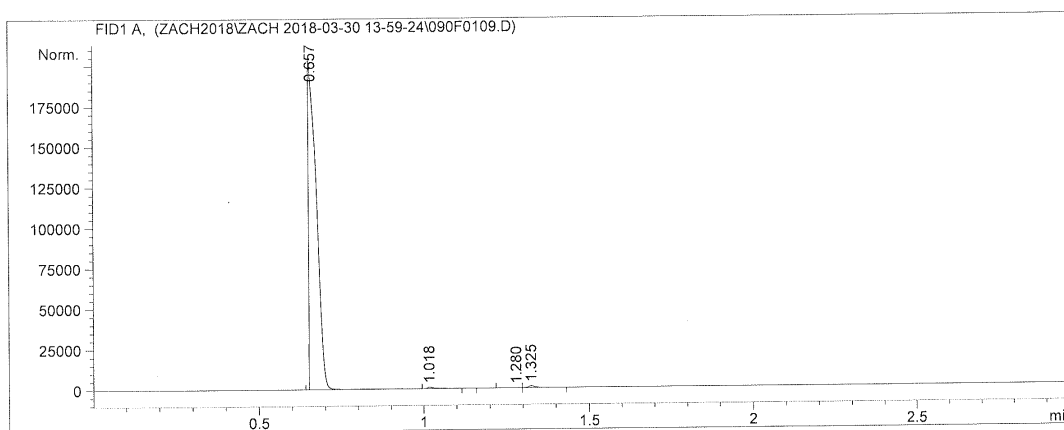
=====
*** End of Report ***
=====

```

4-Methylbenzaldehyde: Sequence #1 – Run #9

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-03-30 13-59-24\090F0109.D
 Sample Name: 4-Methyl Run #1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 30-Mar-18, 14:32:49              Inj       :    9
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-03-30 13-59-24\ZACH2018.M
Last changed    : 3/28/2018 2:43:48 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.657	BB S	0.0294	3.37688e5	1.91526e5	99.22289
2	1.018	BB X	0.0181	1195.06238	937.32349	0.35115
3	1.280	BV	0.0292	7.76105	3.59723	0.00228
4	1.325	VB	0.0191	1441.95386	1111.65991	0.42369

```
Totals :                      3.40333e5  1.93579e5
```

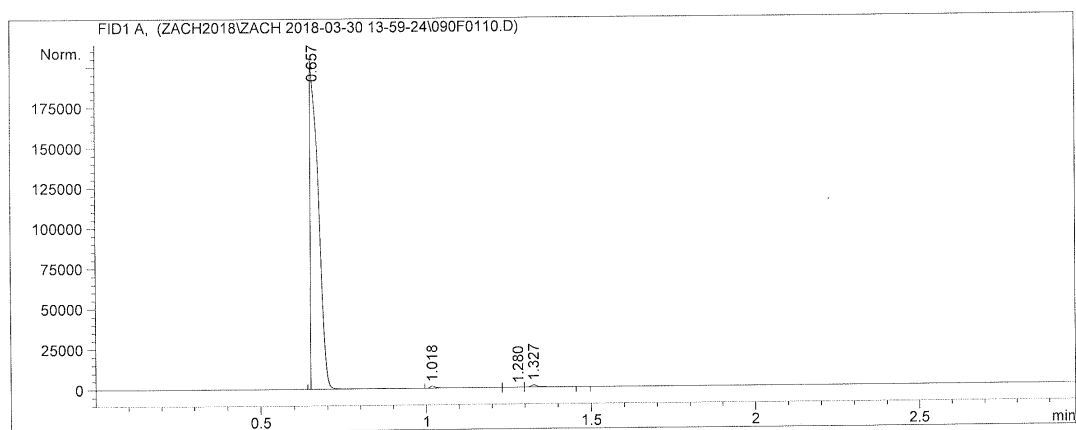
```
=====
*** End of Report ***
```


4-Methylbenzaldehyde: Sequence #1 – Run #10

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-03-30 13-59-24\090F0110.D
 Sample Name: 4-Methyl Run #1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 30-Mar-18, 14:36:52              Inj       :   10
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-03-30 13-59-24\ZACH2018.M
Last changed    : 3/28/2018 2:43:48 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.657	BB S	0.0296	3.40401e5	1.90473e5	99.04556
2	1.018	BV T	0.0168	1465.82715	1261.10522	0.42651
3	1.280	VV X	0.0429	58.16285	17.45989	0.01692
4	1.327	VB X	0.0187	1756.24500	1393.47681	0.51101

Totals : 3.43681e5 1.93145e5

*** End of Report ***

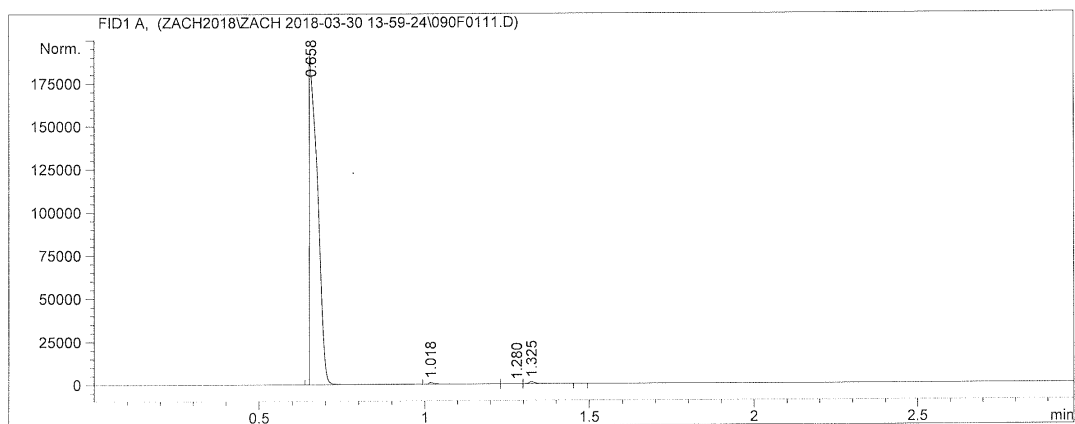
4-Methylbenzaldehyde: Sequence #1 – Run #11

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-03-30 13-59-24\090F0111.D

Sample Name: 4-Methyl Run #1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 90
Injection Date  : 30-Mar-18, 14:40:54              Inj       :   11
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-03-30 13-59-24\ZACH2018.M
Last changed    : 3/28/2018 2:43:48 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.658	BB S	0.0301	3.18442e5	1.81311e5	99.13304
2	1.018	BV T	0.0183	1252.65051	968.52417	0.38996
3	1.280	VV X	0.0449	56.15019	16.00010	0.01748
4	1.325	VB X	0.0196	1476.08777	1103.98804	0.45952

Totals : 3.21226e5 1.83399e5

*** End of Report ***

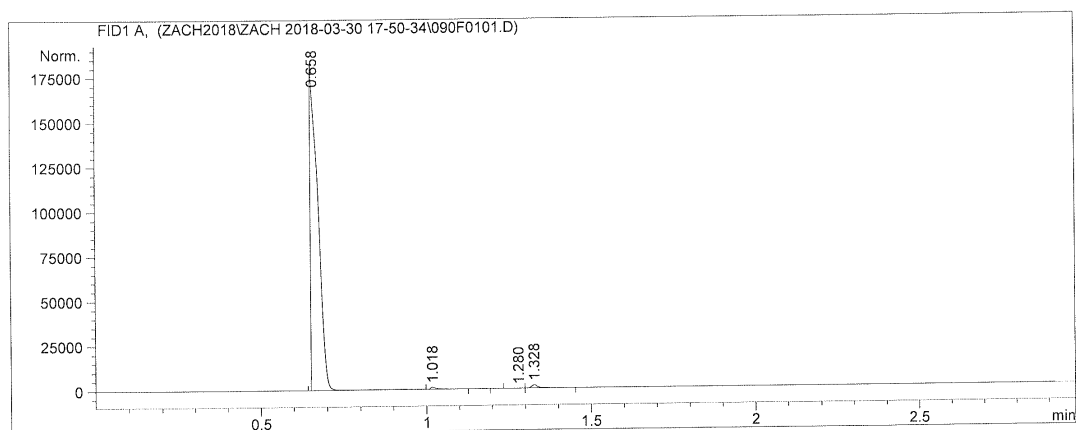
4-Methylbenzaldehyde: Sequence #2 – Run #1

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-03-30 17-50-34\090F0101.D

Sample Name: 4-Methyl Run #2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 30-Mar-18, 17:51:38              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-03-30 17-50-34\ZACH2018.M
Last changed    : 3/28/2018 2:43:48 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.658	BB S	0.0217	2.88107e5	1.67122e5	98.79883
2	1.018	BB X	0.0163	1289.21765	1151.49329	0.44210
3	1.280	BV	0.0247	8.98972	5.06219	0.00308
4	1.328	VB	0.0183	2204.52246	1798.93005	0.75598

Totals : 2.91610e5 1.70078e5

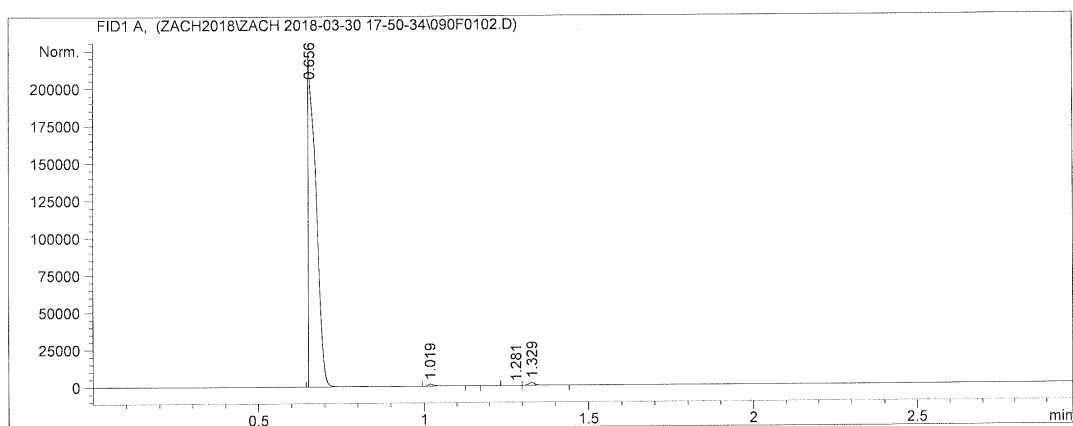
*** End of Report ***

4-Methylbenzaldehyde: Sequence #2 – Run #2

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-03-30 17-50-34\090F0102.D
 Sample Name: 4-Methyl Run #2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 90
Injection Date  : 30-Mar-18, 17:55:39              Inj       :    2
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-03-30 17-50-34\ZACH2018.M
Last changed    : 3/28/2018 2:43:48 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.656	BB S	0.0221	3.57378e5	2.11663e5	98.94693
2	1.019	BB X	0.0165	1512.65112	1321.95215	0.41881
3	1.281	BV	0.0252	9.38583	5.16001	0.00260
4	1.329	VB	0.0190	2281.45093	1874.70447	0.63166

Totals : 3.61182e5 2.14864e5

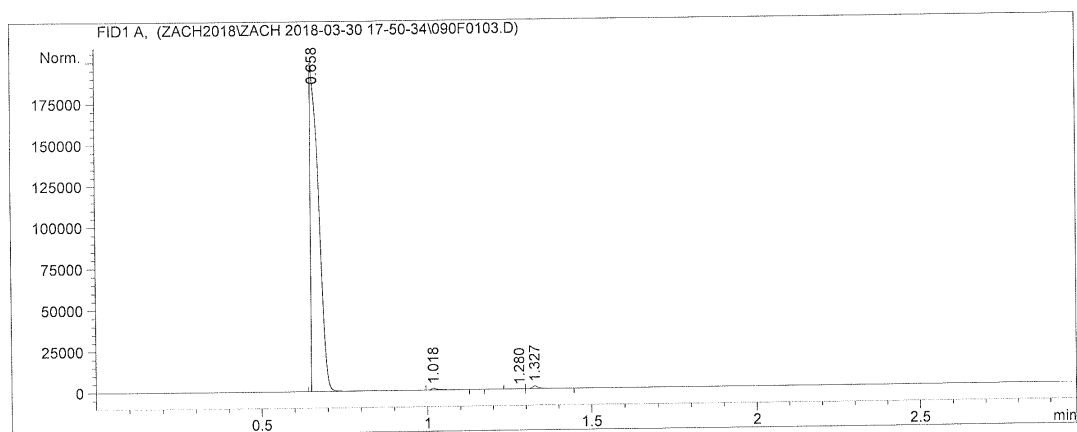
*** End of Report ***

4-Methylbenzaldehyde: Sequence #2 – Run #3

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-03-30 17-50-34\090F0103.D
 Sample Name: 4-Methyl Run #2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 30-Mar-18, 17:59:43              Inj       :    3
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-03-30 17-50-34\ZACH2018.M
Last changed    : 3/28/2018 2:43:48 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.658	BB S	0.0299	3.42574e5	1.89015e5	99.03443
2	1.018	BB X	0.0179	1347.54749	1127.22729	0.38956
3	1.280	BV	0.0256	8.57328	4.62047	0.00248
4	1.327	VB	0.0186	1983.92651	1588.60254	0.57353

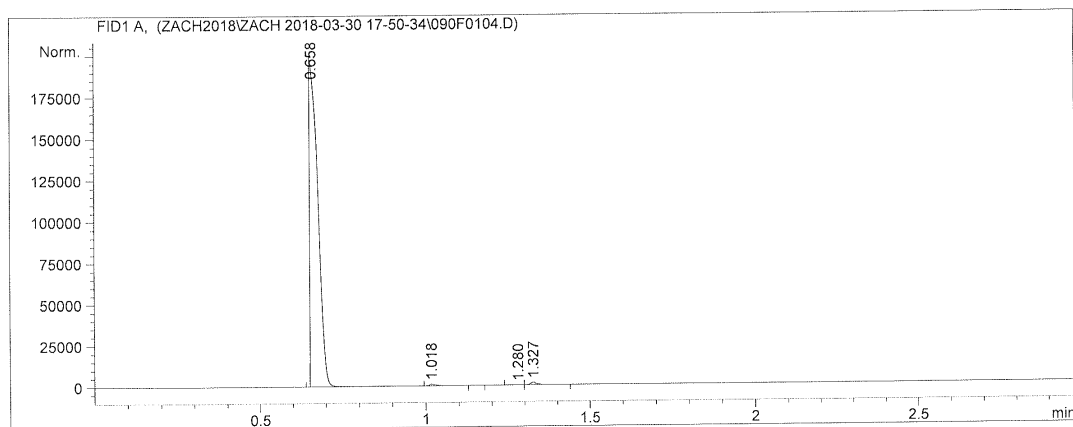
```
Totals :                      3.45914e5  1.91735e5
```

```
=====
                        *** End of Report ***
=====
```

4-Methylbenzaldehyde: Sequence #2 – Run #4

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-03-30 17-50-34\090F0104.D
 Sample Name: 4-Methyl Run #2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 30-Mar-18, 18:03:45              Inj       :    4
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-03-30 17-50-34\ZACH2018.M
Last changed    : 3/28/2018 2:43:48 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.658	BB S	0.0300	3.46781e5	1.90806e5	99.08618
2	1.018	BB X	0.0175	1324.91687	1084.23230	0.37857
3	1.280	BV	0.0240	7.72057	4.51340	0.00221
4	1.327	VB	0.0187	1865.55750	1484.49988	0.53305

Totals : 3.49979e5 1.93379e5

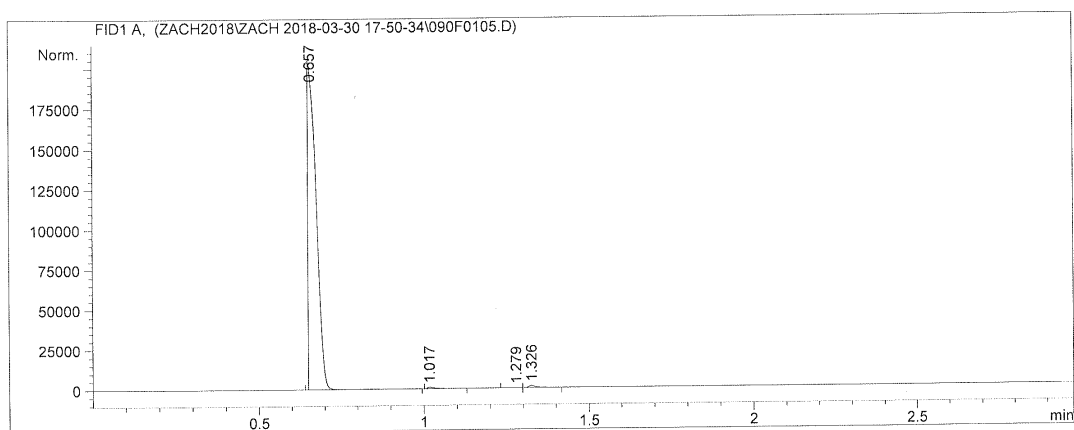
```
=====
*** End of Report ***
```

4-Methylbenzaldehyde: Sequence #2 – Run #5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-03-30 17-50-34\090F0105.D
 Sample Name: 4-Methyl Run #2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 30-Mar-18, 18:07:47              Inj       :    5
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-03-30 17-50-34\ZACH2018.M
Last changed    : 3/28/2018 2:43:48 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.657	BB S	0.0299	3.56861e5	1.97261e5	99.18078
2	1.017	BB	0.0186	1255.12817	951.46722	0.34883
3	1.279	BV	0.0263	7.78097	4.07097	0.00216
4	1.326	VB	0.0195	1684.72034	1269.37219	0.46823

```
Totals :                      3.59809e5  1.99486e5
```

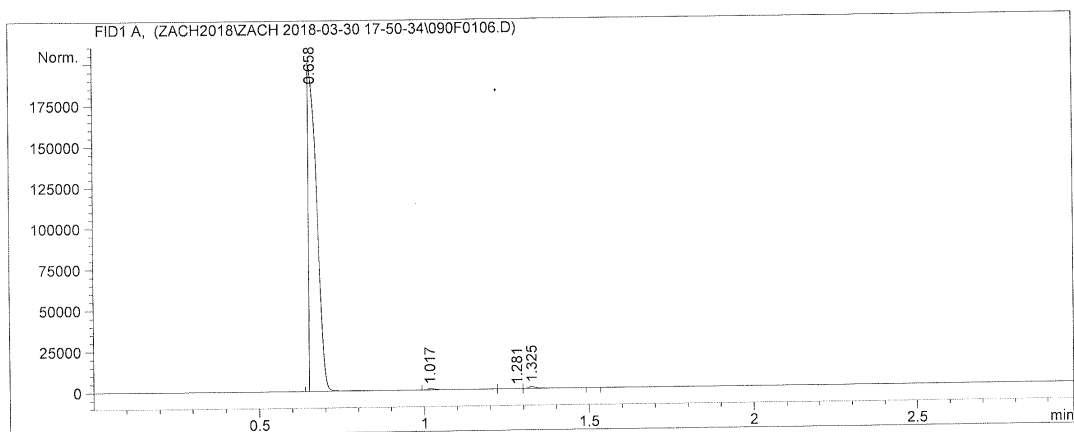
```
=====
*** End of Report ***
```

4-Methylbenzaldehyde: Sequence #2 – Run #6

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-03-30 17-50-34\090F0106.D
 Sample Name: 4-Methyl Run #2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 30-Mar-18, 18:11:48              Inj       :    6
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-03-30 17-50-34\ZACH2018.M
Last changed    : 3/28/2018 2:43:48 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.658	BB S	0.0299	3.50645e5	1.93682e5	99.18227
2	1.017	BV X	0.0187	1253.89185	944.57257	0.35467
3	1.281	VV X	0.0267	9.00115	4.46037	0.00255
4	1.325	VB X	0.0196	1628.06323	1214.61682	0.46051

```
Totals :                      3.53536e5  1.95846e5
```

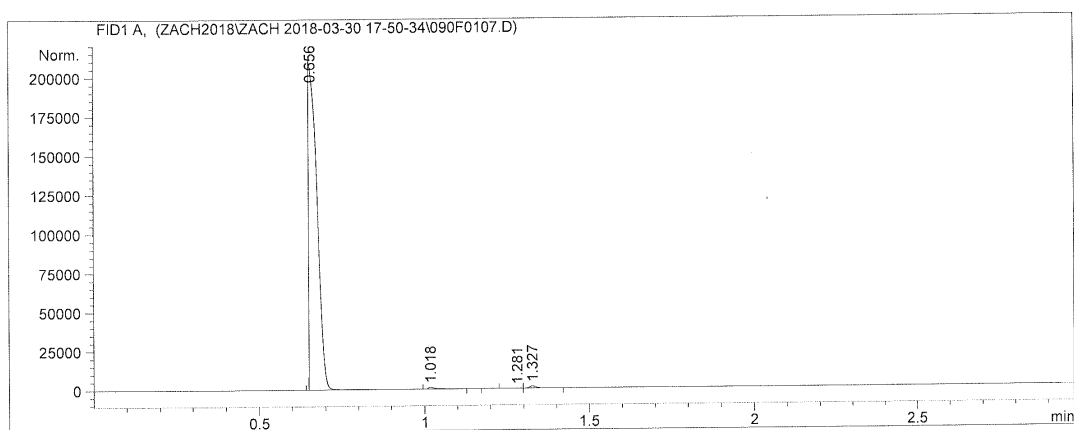
```
=====
*** End of Report ***
=====
```


4-Methylbenzaldehyde: Sequence #2 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-03-30 17-50-34\090F0107.D
 Sample Name: 4-Methyl Run #2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 30-Mar-18, 18:15:51              Inj       :    7
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-03-30 17-50-34\ZACH2018.M
Last changed    : 3/28/2018 2:43:48 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.656	BB S	0.0291	3.71403e5	2.12944e5	99.10202
2	1.018	BB X	0.0178	1506.15564	1200.27173	0.40189
3	1.281	BV	0.0293	10.44501	4.81965	0.00279
4	1.327	VB	0.0200	1848.72705	1418.30566	0.49330

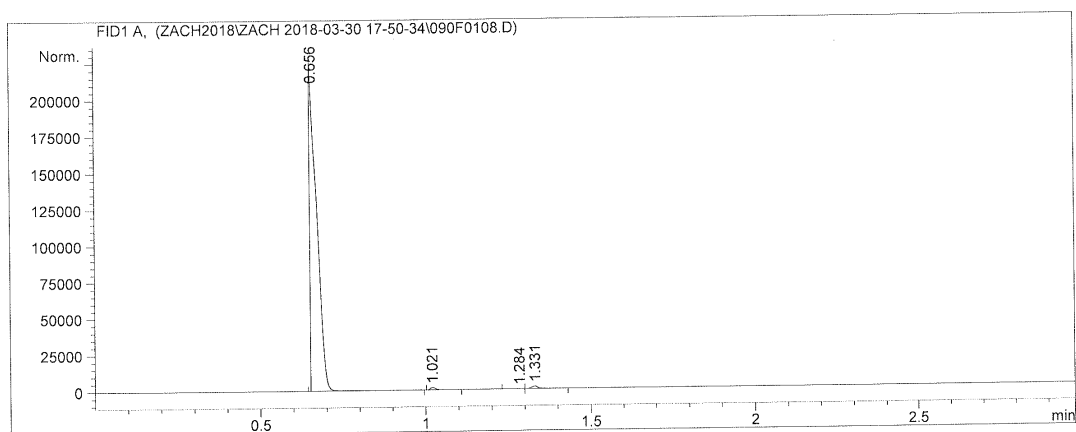
```
Totals :                      3.74768e5  2.15567e5
```

```
=====
*** End of Report ***
=====
```

4-Methylbenzaldehyde: Sequence #2 – Run #8

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-03-30 17-50-34\090F0108.D
 Sample Name: 4-Methyl Run #2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 90
Injection Date  : 30-Mar-18, 18:19:54              Inj       :    8
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-03-30 17-50-34\ZACH2018.M
Last changed    : 3/28/2018 2:43:48 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.656	BB S	0.0201	3.22427e5	2.12410e5	98.85490
2	1.021	BB	0.0169	1701.39832	1533.36047	0.52164
3	1.284	BV	0.0282	11.29660	5.44747	0.00346
4	1.331	VB	0.0198	2022.20251	1665.82788	0.62000

Totals : 3.26162e5 2.15615e5

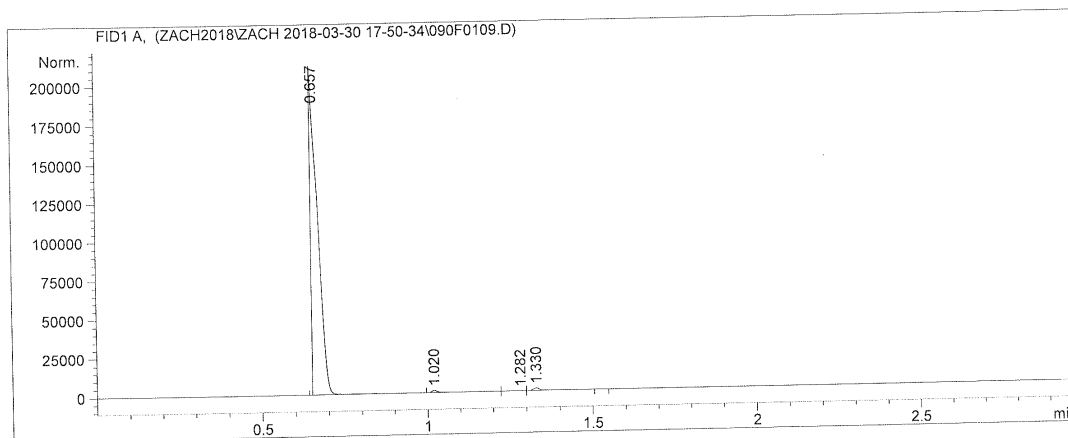
```
=====
*** End of Report ***
=====
```

4-Methylbenzaldehyde: Sequence #2 – Run #9

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-03-30 17-50-34\090F0109.D
 Sample Name: 4-Methyl Run #2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 30-Mar-18, 18:23:56              Inj       :    9
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-03-30 17-50-34\ZACH2018.M
Last changed    : 3/28/2018 2:43:48 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.657	BB S	0.0216	3.05980e5	1.85512e5	98.87386
2	1.020	BV X	0.0165	1585.42981	1484.28040	0.51231
3	1.282	VV X	0.0302	13.60002	6.06556	0.00439
4	1.330	VB X	0.0188	1885.98462	1569.84692	0.60943

```
Totals :                      3.09465e5  1.88573e5
```

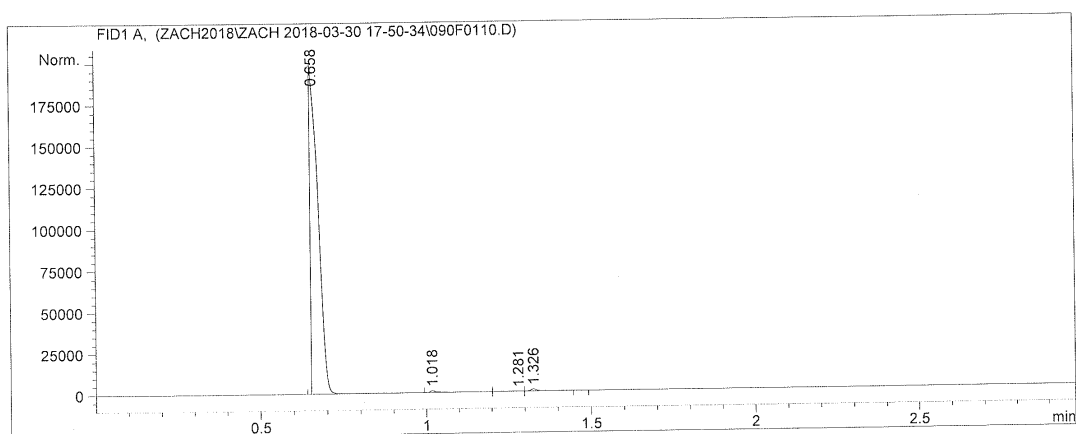
```
=====
*** End of Report ***
=====
```

4-Methylbenzaldehyde: Sequence #2 – Run #10

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-03-30 17-50-34\090F0110.D
 Sample Name: 4-Methyl Run #2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 30-Mar-18, 18:28:00              Inj       :   10
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-03-30 17-50-34\ZACH2018.M
Last changed    : 3/28/2018 2:43:48 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.658	BB S	0.0292	3.27556e5	1.86891e5	99.18310
2	1.018	BV X	0.0165	1247.02234	1095.55798	0.37760
3	1.281	VV X	0.0337	10.26793	4.14610	0.00311
4	1.326	VB X	0.0181	1440.56592	1195.79993	0.43620

```
Totals :                      3.30254e5  1.89187e5
```

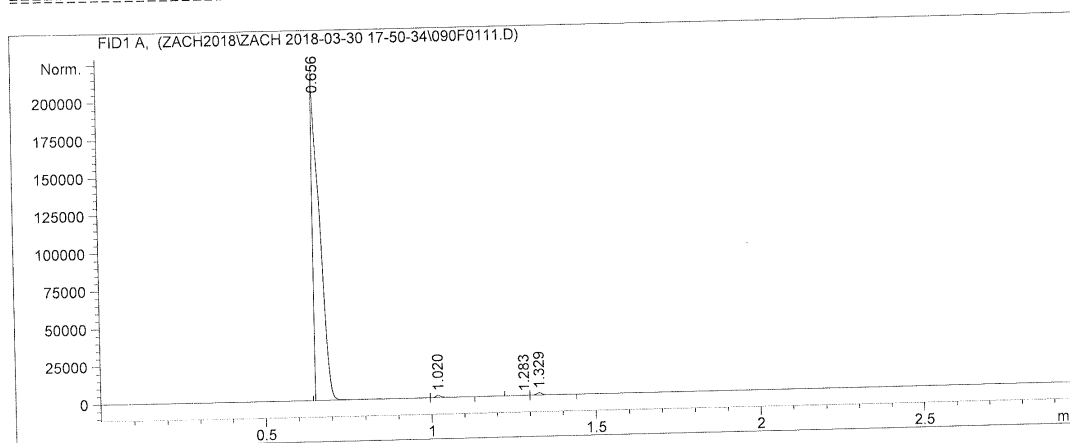
```
=====
*** End of Report ***
=====
```

4-Methylbenzaldehyde: Sequence #2 – Run #11

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-03-30 17-50-34\090F0111.D
 Sample Name: 4-Methyl Run #2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 30-Mar-18, 18:32:05              Inj       : 11
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-03-30 17-50-34\ZACH2018.M
Last changed    : 3/28/2018 2:43:48 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.656	BV S	0.0200	3.15452e5	2.08768e5	98.91550
2	1.020	VB S	0.0165	1649.43042	1545.29578	0.51721
3	1.283	BV	0.0284	10.65131	5.08946	0.00334
4	1.329	VB	0.0184	1798.50818	1544.26929	0.56395

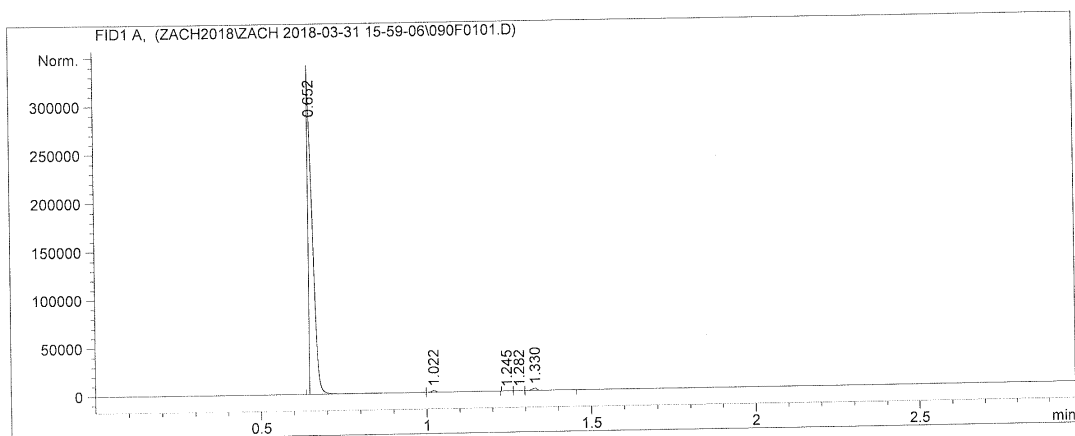
```
Totals :                      3.18910e5  2.11863e5
```

```
=====
*** End of Report ***
=====
```

4-Methylbenzaldehyde: Sequence #3 – Run #1

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-03-31 15-59-06\090F0101.D
 Sample Name: 4-Methyl Run #3

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 31-Mar-18, 16:00:21              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-03-31 15-59-06\ZACH2018.M
Last changed    : 3/28/2018 2:43:48 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.652	BV S	0.0162	2.95917e5	2.82752e5	98.57560
2	1.022	VB S	0.0146	1790.17932	1825.83179	0.59634
3	1.245	BV	0.0215	2.76754	2.02441	0.00092
4	1.282	VV	0.0178	6.20102	5.57331	0.00207
5	1.330	VB	0.0169	2476.79712	2236.46802	0.82507

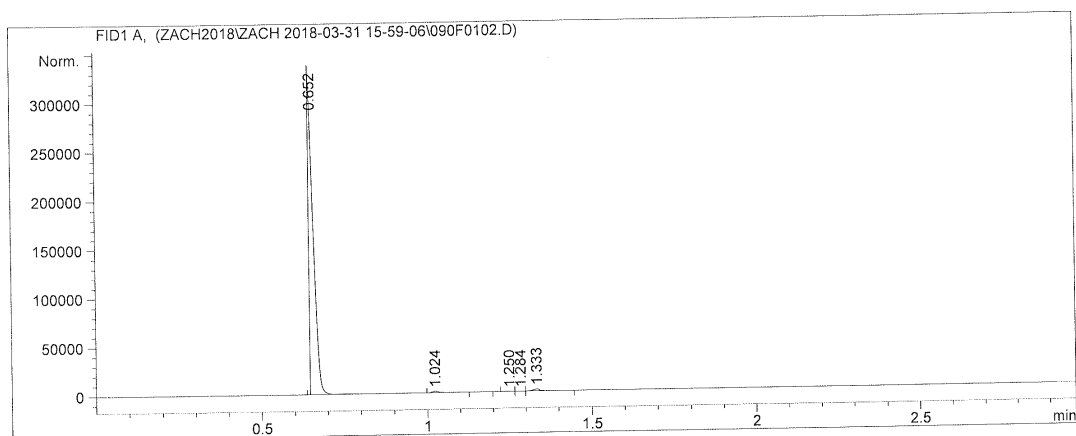
Totals : 3.00193e5 2.86822e5

```
=====
*** End of Report ***
```

4-Methylbenzaldehyde: Sequence #3 – Run #2

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-03-31 15-59-06\090F0102.D
 Sample Name: 4-Methyl Run #3

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 31-Mar-18, 16:04:23              Inj       :    2
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-03-31 15-59-06\ZACH2018.M
Last changed    : 3/28/2018 2:43:48 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.652	BB S	0.0166	3.10416e5	2.87726e5	98.67978
2	1.024	BB X	0.0217	1702.77002	1300.15869	0.54130
3	1.250	BV	0.0227	3.37778	2.20123	0.00107
4	1.284	VV	0.0216	6.21745	4.53194	0.00198
5	1.333	VB	0.0219	2440.62891	1835.52722	0.77586

Totals : 3.14569e5 2.90868e5

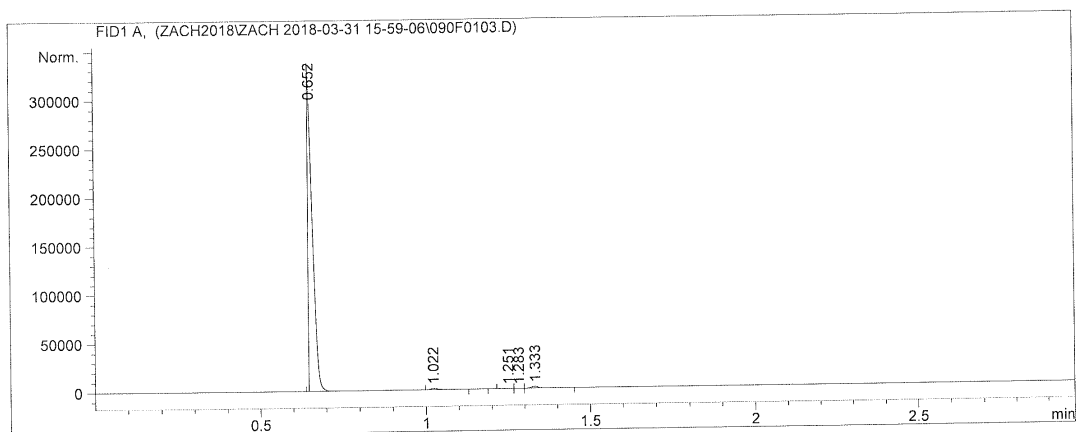
```
=====
*** End of Report ***
```

4-Methylbenzaldehyde: Sequence #3 – Run #3

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-03-31 15-59-06\090F0103.D
 Sample Name: 4-Methyl Run #3

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 31-Mar-18, 16:08:26              Inj       :    3
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-03-31 15-59-06\ZACH2018.M
Last changed    : 3/28/2018 2:43:48 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.652	BB S	0.0155	3.12062e5	2.95301e5	98.72308
2	1.022	BB X	0.0212	1690.73425	1331.29492	0.53488
3	1.251	BV	0.0237	3.62319	2.44681	0.00115
4	1.283	VV	0.0216	6.02424	4.38527	0.00191
5	1.333	VB	0.0225	2335.95972	1696.96545	0.73900

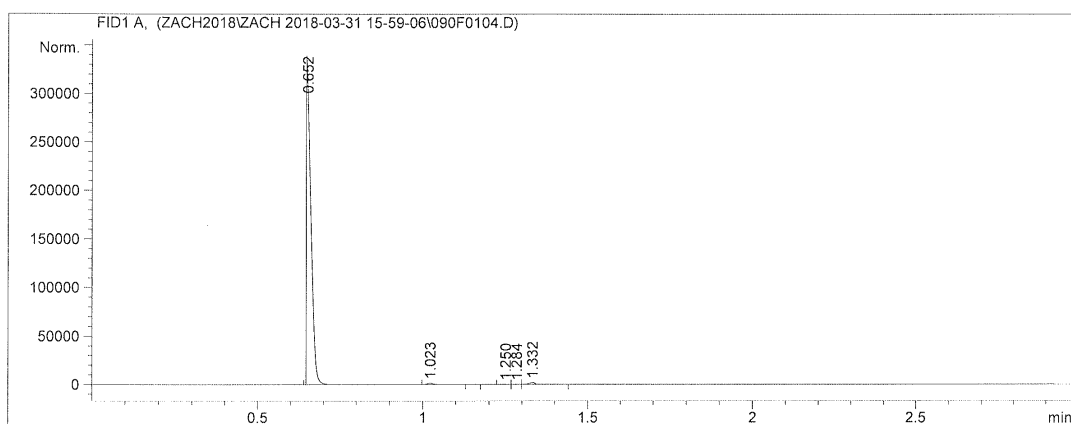
```
Totals :                      3.16099e5  2.98336e5
```

```
=====
*** End of Report ***
```


4-Methylbenzaldehyde: Sequence #3 – Run #4

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-03-31 15-59-06\090F0104.D
Sample Name: 4-Methyl Run #3

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 90
Injection Date  : 31-Mar-18, 16:12:28              Inj       :    4
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-03-31 15-59-06\ZACH2018.M
Last changed    : 3/28/2018 2:43:48 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.652	BB S	0.0155	3.12733e5	2.96173e5	98.77092
2	1.023	BB X	0.0195	1659.07166	1392.06494	0.52399
3	1.250	BV	0.0230	4.26383	2.86631	0.00135
4	1.284	VV	0.0212	6.29128	4.70238	0.00199
5	1.332	VB	0.0195	2221.92847	1767.59802	0.70176

Totals : 3.16624e5 2.99340e5

*** End of Report ***

4-Methylbenzaldehyde: Sequence #3 – Run #5

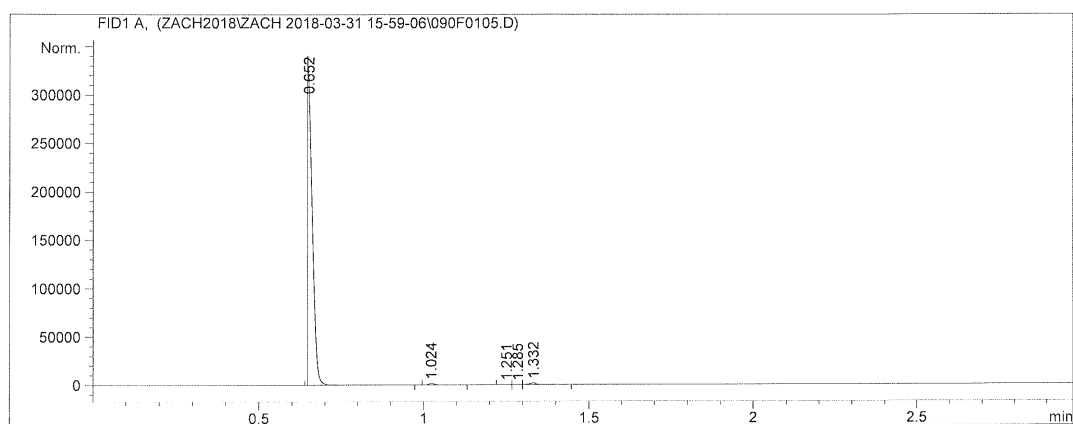
Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-03-31 15-59-06\090F0105.D

Sample Name: 4-Methyl Run #3

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 90
Injection Date  : 31-Mar-18, 16:16:32              Inj       :    5
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-03-31 15-59-06\ZACH2018.M
Last changed    : 3/28/2018 2:43:48 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



```

=====
Area Percent Report
=====

```

```

Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs

```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.652	BB S	0.0156	3.16170e5	2.96767e5	98.80537
2	1.024	BB	0.0195	1657.52075	1391.16821	0.51799
3	1.251	BV	0.0221	4.45367	3.01052	0.00139
4	1.285	VV	0.0214	6.29627	4.65595	0.00197
5	1.332	VB	0.0195	2154.45361	1707.95117	0.67328

```
Totals :                      3.19993e5  2.99874e5
```

```

=====
*** End of Report ***
=====

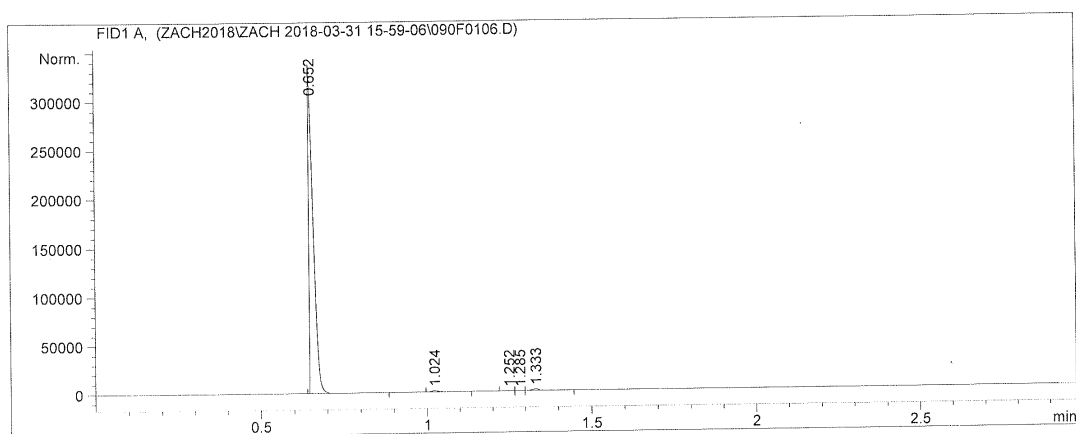
```

4-Methylbenzaldehyde: Sequence #3 – Run #6

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-03-31 15-59-06\090F0106.D
 Sample Name: 4-Methyl Run #3

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 31-Mar-18, 16:20:36              Inj       :    6
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-03-31 15-59-06\ZACH2018.M
Last changed    : 3/28/2018 2:43:48 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\24.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.652	BB S	0.0154	3.15058e5	3.01439e5	98.82072
2	1.024	BB	0.0212	1662.18640	1308.00525	0.52136
3	1.252	BV	0.0225	4.50949	2.96825	0.00141
4	1.285	VV	0.0229	6.07656	4.30935	0.00191
5	1.333	VB	0.0228	2086.98682	1560.19873	0.65460

Totals : 3.18818e5 3.04315e5

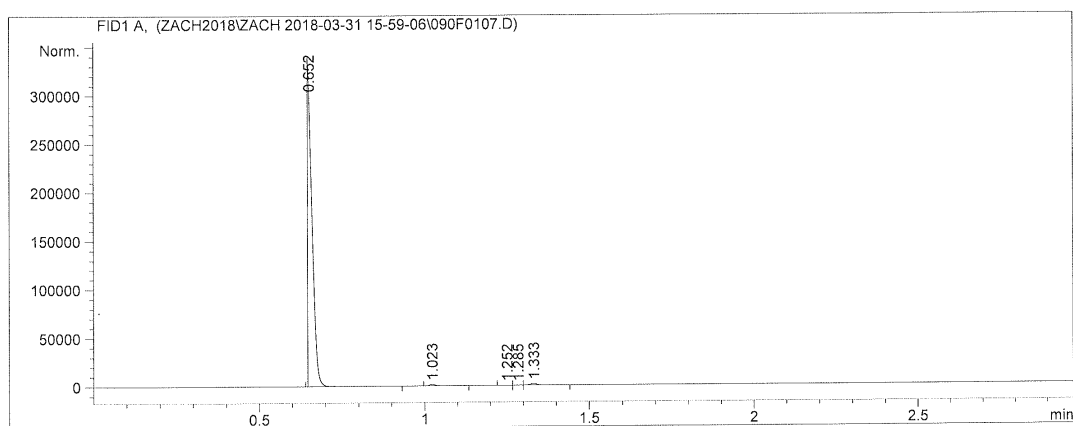
```
=====
*** End of Report ***
=====
```

4-Methylbenzaldehyde: Sequence #3 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-03-31 15-59-06\090F0107.D
 Sample Name: 4-Methyl Run #3

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 31-Mar-18, 16:24:41              Inj       :    7
                                                Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-03-31 15-59-06\ZACH2018.M
Last changed    : 3/28/2018 2:43:48 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.652	BB S	0.0153	3.11565e5	2.99626e5	98.82028
2	1.023	BB	0.0207	1674.27454	1363.98633	0.53104
3	1.252	BV	0.0231	4.63865	3.09012	0.00147
4	1.285	VV	0.0216	6.02506	4.39664	0.00191
5	1.333	VB	0.0207	2034.51733	1567.30103	0.64530

```
Totals :                      3.15284e5  3.02564e5
```

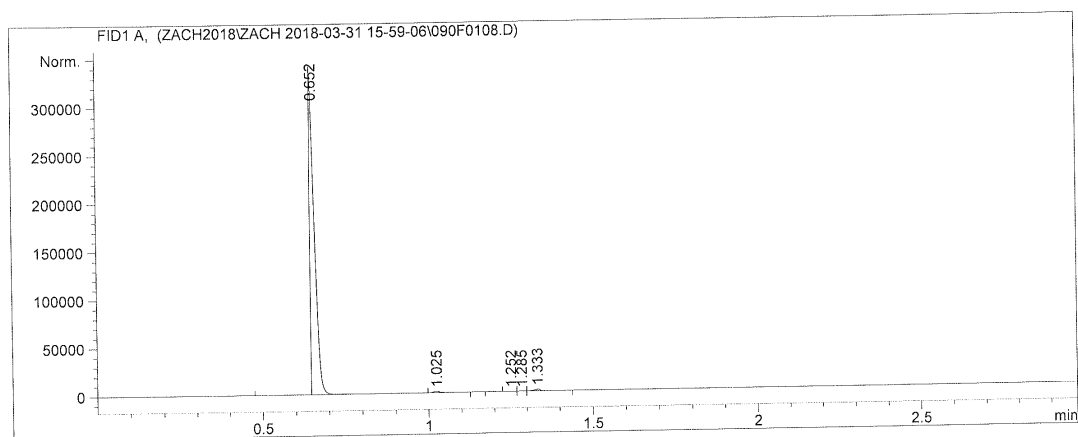
```
=====
*** End of Report ***
```

4-Methylbenzaldehyde: Sequence #3 – Run #8

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-03-31 15-59-06\090F0108.D
 Sample Name: 4-Methyl Run #3

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 31-Mar-18, 16:28:43              Inj       :    8
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-03-31 15-59-06\ZACH2018.M
Last changed    : 3/28/2018 2:43:48 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.652	BB S	0.0154	3.15260e5	3.01661e5	98.84970
2	1.025	BB T	0.0199	1683.69275	1372.39941	0.52792
3	1.252	BV	0.0223	4.83758	3.21878	0.00152
4	1.285	VV	0.0212	5.71714	4.27055	0.00179
5	1.333	VB	0.0196	1974.38721	1553.67798	0.61907

```
Totals :                      3.18928e5  3.04595e5
```

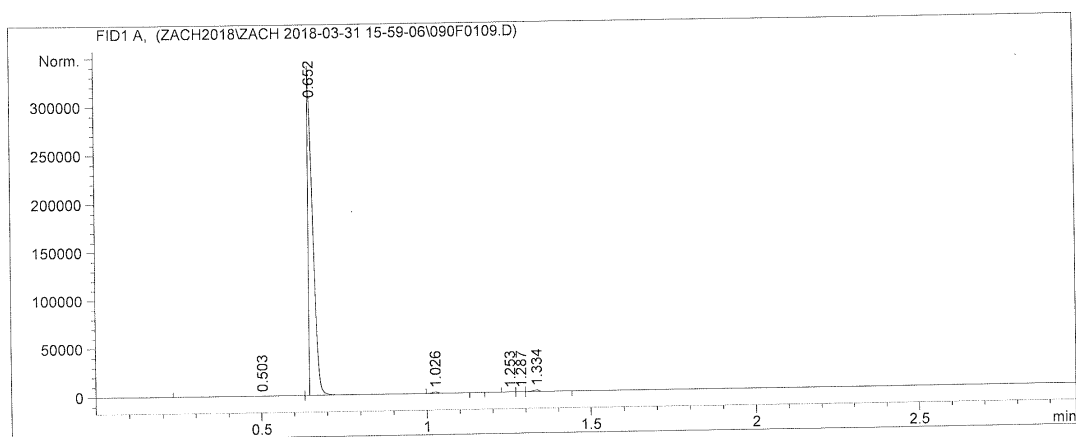
```
=====
*** End of Report ***
```

4-Methylbenzaldehyde: Sequence #3 – Run #9

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-03-31 15-59-06\090F0109.D
 Sample Name: 4-Methyl Run #3

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 31-Mar-18, 16:32:46              Inj       :    9
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-03-31 15-59-06\ZACH2018.M
Last changed    : 3/28/2018 2:43:48 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.503	BV	0.1549	179.85019	15.10719	0.05431
2	0.652	PB S	0.0180	3.27382e5	3.03487e5	98.86286
3	1.026	BB T	0.0210	1666.05334	1331.87927	0.50311
4	1.253	BV	0.0216	4.72473	3.28402	0.00143
5	1.287	VV	0.0201	5.39463	4.10796	0.00163
6	1.334	VB	0.0192	1909.58594	1547.46362	0.57666

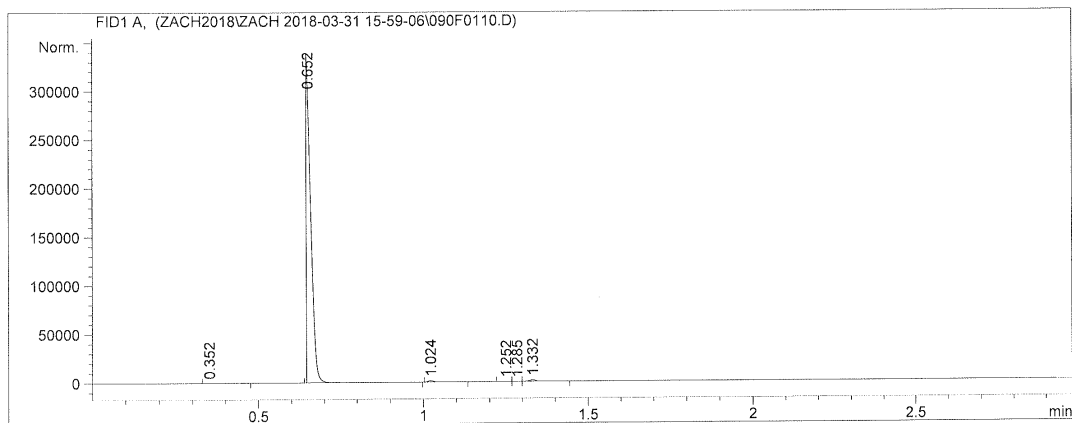
```
Totals :                      3.31148e5  3.06389e5
```

4-Methylbenzaldehyde: Sequence #3 – Run #10

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-03-31 15-59-06\090F0110.D
 Sample Name: 4-Methyl Run #3

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 31-Mar-18, 16:36:48              Inj       :   10
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-03-31 15-59-06\ZACH2018.M
Last changed    : 3/28/2018 2:43:48 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

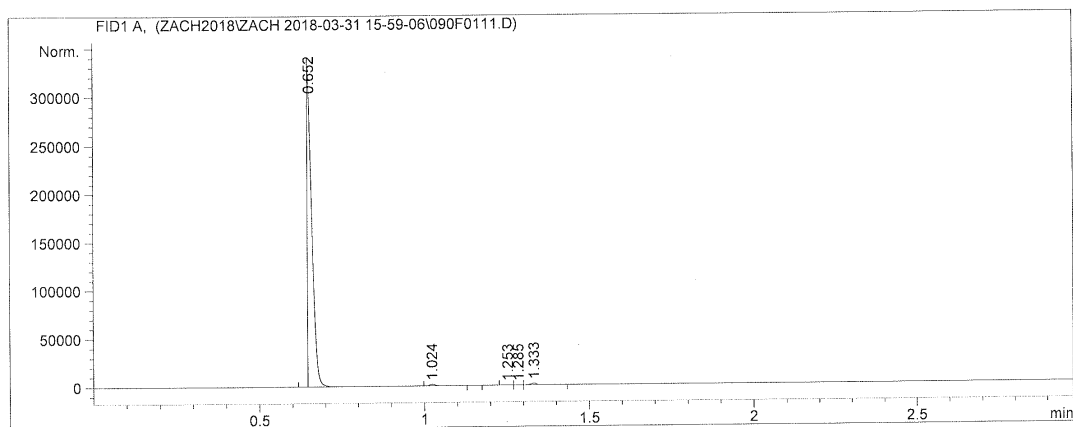
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.352	BB	0.0417	16.29897	4.84080	0.00514
2	0.652	BB S	0.0155	3.13566e5	2.97975e5	98.89399
3	1.024	BB	0.0191	1638.58459	1413.63928	0.51678
4	1.252	BV	0.0223	4.94640	3.30280	0.00156
5	1.285	VV	0.0211	5.70145	4.29637	0.00180
6	1.332	VB	0.0192	1841.32434	1490.49792	0.58073

Totals : 3.17073e5 3.00892e5

4-Methylbenzaldehyde: Sequence #3 – Run #11

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-03-31 15-59-06\090F0111.D
 Sample Name: 4-Methyl Run #3

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 31-Mar-18, 16:40:52              Inj       :   11
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-03-31 15-59-06\ZACH2018.M
Last changed    : 3/28/2018 2:43:48 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.652	BB S	0.0155	3.14905e5	2.99042e5	98.89605
2	1.024	BB T	0.0183	1678.82300	1450.96521	0.52724
3	1.253	BV	0.0225	5.01849	3.46593	0.00158
4	1.285	VV	0.0209	5.61263	4.29085	0.00176
5	1.333	VB	0.0190	1825.75537	1497.52551	0.57338

```
Totals :                      3.18420e5  3.01998e5
```

```
=====
*** End of Report ***
```


4-Methoxy benzaldehyde: Sequence #1 – Run #1

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 17-31-54\088F0101.D

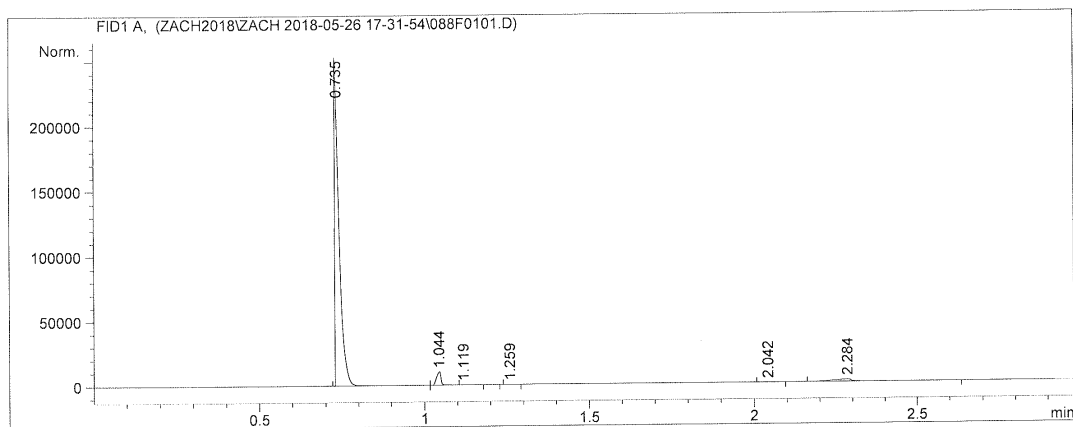
Sample Name: 4-methoxy

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 88
Injection Date  : 26-May-18, 17:32:57              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 17-31-54\Z1.M
Last changed    : 5/26/2018 5:27:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



Area Percent Report

```

Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs

```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.735	BV S	0.0156	2.32089e5	2.18653e5	93.08990
2	1.044	VB S	0.0160	9648.76465	1.00531e4	3.87008
3	1.119	BB X	0.0163	20.62189	19.59772	0.00827
4	1.259	BB	0.0186	1.77986	1.50220	0.00071
5	2.042	BB	0.0288	3.98516	2.07892	0.00160
6	2.284	BB	0.0602	7552.90527	1687.56140	3.02944

Totals : 2.49317e5 2.30416e5

4-Methoxy benzaldehyde: Sequence #1 – Run #2

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 17-31-54\088F0102.D

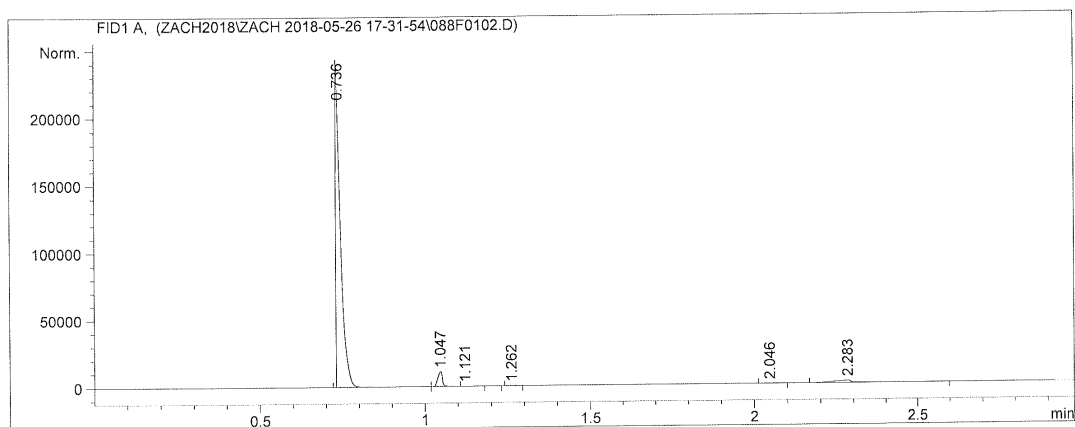
Sample Name: 4-methoxy

```

=====
Acq. Operator   : Zach Taylor           Seq. Line :    1
Acq. Instrument : Instrument 1          Location  : Vial 88
Injection Date  : 26-May-18, 17:36:56 Inj       :    2
                                           Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 17-31-54\Z1.M
Last changed    : 5/26/2018 5:27:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



Area Percent Report

```

=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====

```

Signal 1: FID1 A,

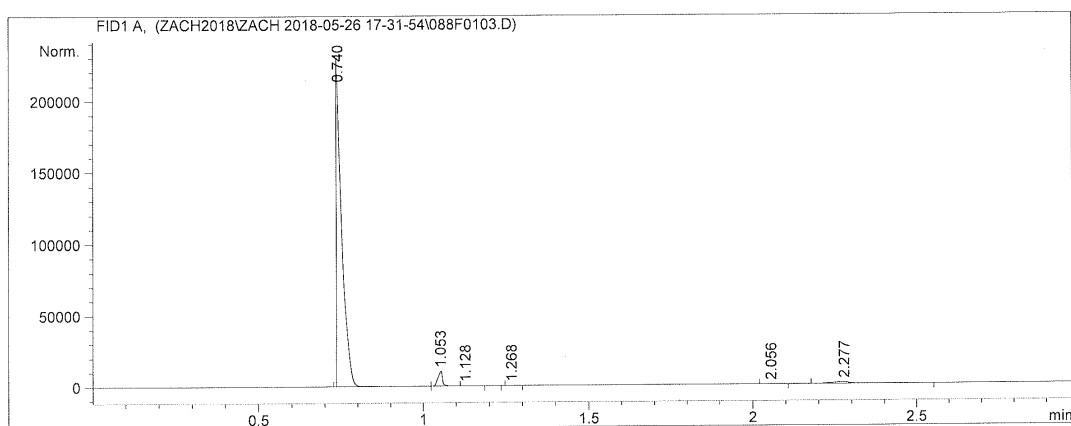
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.736	BV S	0.0171	2.35782e5	2.10149e5	93.30655
2	1.047	VB S	0.0162	1.04713e4	1.07275e4	4.14381
3	1.121	BB X	0.0166	23.15126	21.48392	0.00916
4	1.262	BB	0.0185	2.02969	1.72767	0.00080
5	2.046	BB	0.0292	4.66258	2.39000	0.00185
6	2.283	BB	0.0563	6412.98486	1576.33398	2.53782

Totals : 2.52696e5 2.22479e5

4-Methoxy benzaldehyde: Sequence #1 – Run #3

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 17-31-54\088F0103.D
 Sample Name: 4-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 17:40:58              Inj       :    3
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 17-31-54\Z1.M
Last changed    : 5/26/2018 5:27:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

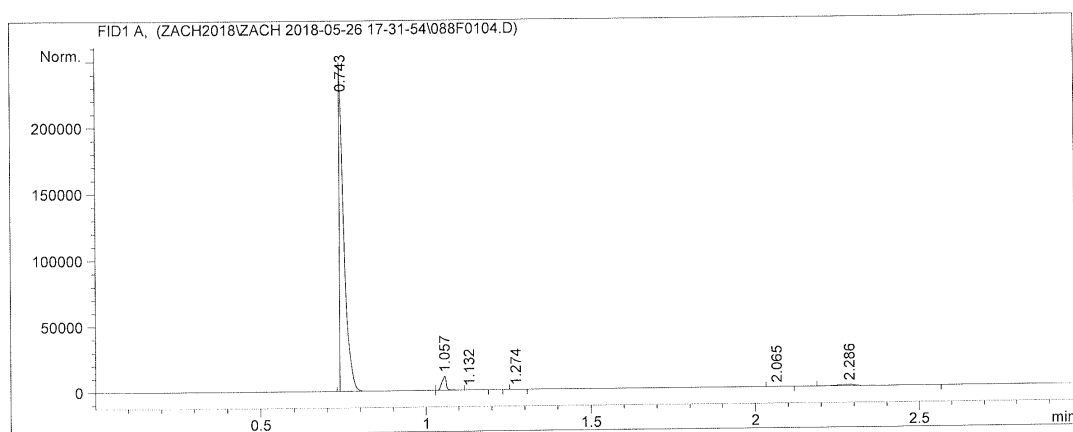
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.740	BV S	0.0164	2.52521e5	2.10219e5	94.56431
2	1.053	VB S	0.0164	1.00291e4	1.01161e4	3.75570
3	1.128	BB X	0.0153	21.10442	20.38686	0.00790
4	1.268	BB	0.0175	1.88582	1.62542	0.00071
5	2.056	BB	0.0301	4.25802	2.17135	0.00159
6	2.277	BB	0.0557	4458.94971	1148.16016	1.66979

```
Totals :                      2.67037e5  2.21507e5
```

4-Methoxy benzaldehyde: Sequence #1 – Run #4

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 17-31-54\088F0104.D
 Sample Name: 4-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 17:44:58              Inj       :    4
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 17-31-54\Z1.M
Last changed    : 5/26/2018 5:27:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution      :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

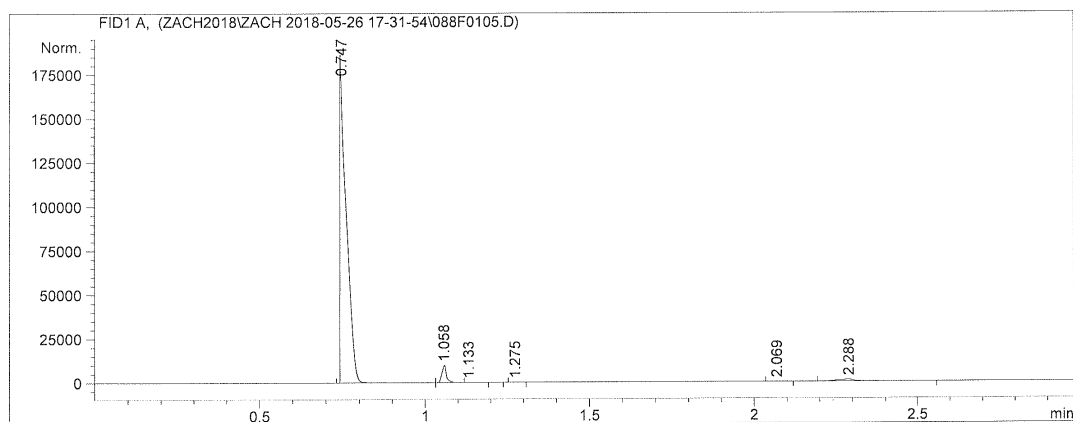
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.743	BV S	0.0156	2.38079e5	2.23678e5	94.49027
2	1.057	VB S	0.0158	9733.25391	1.03591e4	3.86300
3	1.132	BB X	0.0163	21.71226	20.52829	0.00862
4	1.274	BB	0.0185	1.90654	1.62153	0.00076
5	2.065	BB	0.0295	4.46948	2.26216	0.00177
6	2.286	BB	0.0557	4121.03906	1061.30396	1.63558

```
Totals :                      2.51961e5  2.35123e5
```

4-Methoxy benzaldehyde: Sequence #1 – Run #5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 17-31-54\088F0105.D
Sample Name: 4-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 88
Injection Date  : 26-May-18, 17:48:59              Inj       :    5
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 17-31-54\Z1.M
Last changed    : 5/26/2018 5:27:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.747	BV S	0.0182	2.42945e5	1.79104e5	94.74752
2	1.058	VB S	0.0163	9475.11035	9603.69727	3.69525
3	1.133	BB X	0.0159	21.04815	19.39722	0.00821
4	1.275	BB	0.0188	1.93126	1.61065	0.00075
5	2.069	BB	0.0297	4.39549	2.27766	0.00171
6	2.288	BB	0.0549	3965.55298	1021.62402	1.54655

Totals : 2.56413e5 1.89752e5

4-Methoxy benzaldehyde: Sequence #1 – Run #6

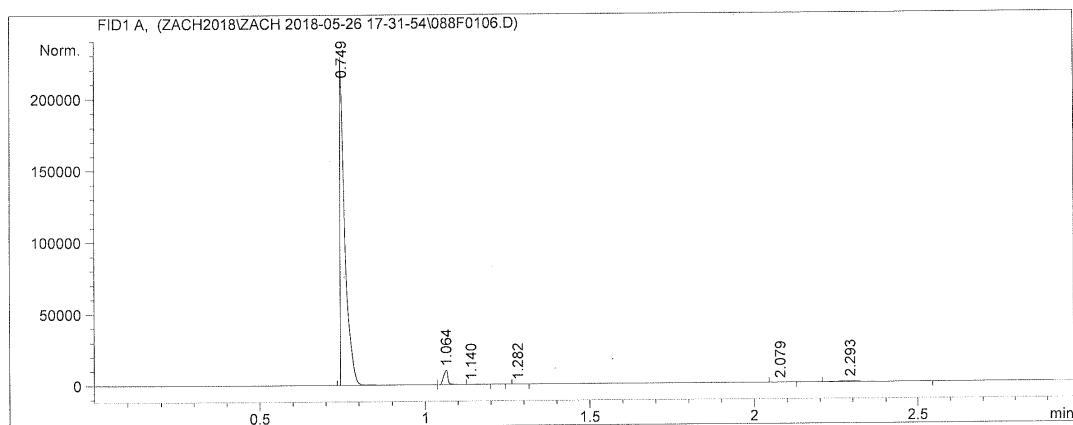
Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 17-31-54\088F0106.D

Sample Name: 4-methoxy

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 17:52:59              Inj       :    6
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 17-31-54\Z1.M
Last changed    : 5/26/2018 5:27:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



```

=====
                          Area Percent Report
=====

```

```

Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs

```

Signal 1: FID1 A,

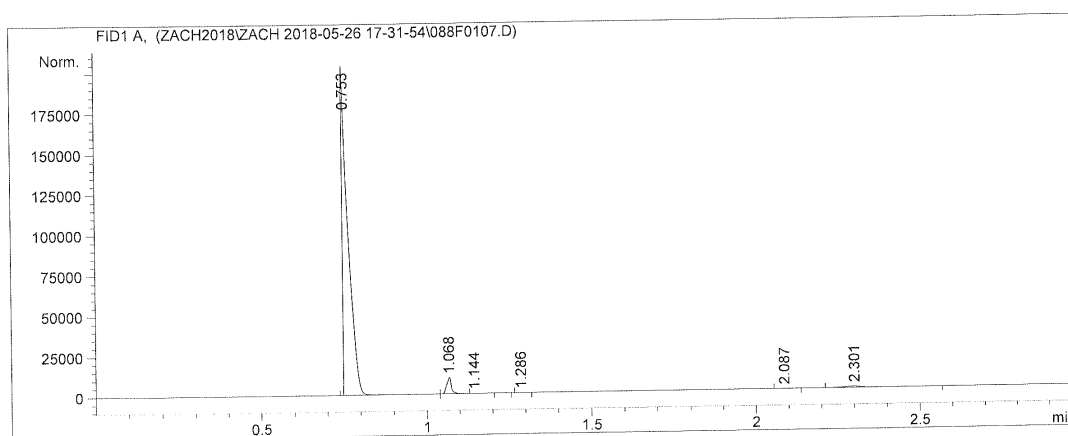
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.749	BV S	0.0156	2.28326e5	2.15614e5	94.89843
2	1.064	VB S	0.0154	9219.53613	1.01254e4	3.83189
3	1.140	BB X	0.0163	20.76488	19.71490	0.00863
4	1.282	BB	0.0187	1.84542	1.54791	0.00077
5	2.079	BB	0.0299	4.14566	2.13219	0.00172
6	2.293	BB	0.0540	3028.10962	796.06946	1.25856

```
Totals :                2.40600e5  2.26559e5
```

4-Methoxy benzaldehyde: Sequence #1 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 17-31-54\088F0107.D
 Sample Name: 4-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 17:56:59              Inj       :    7
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 17-31-54\Z1.M
Last changed    : 5/26/2018 5:27:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



=====
 Area Percent Report
 =====

Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

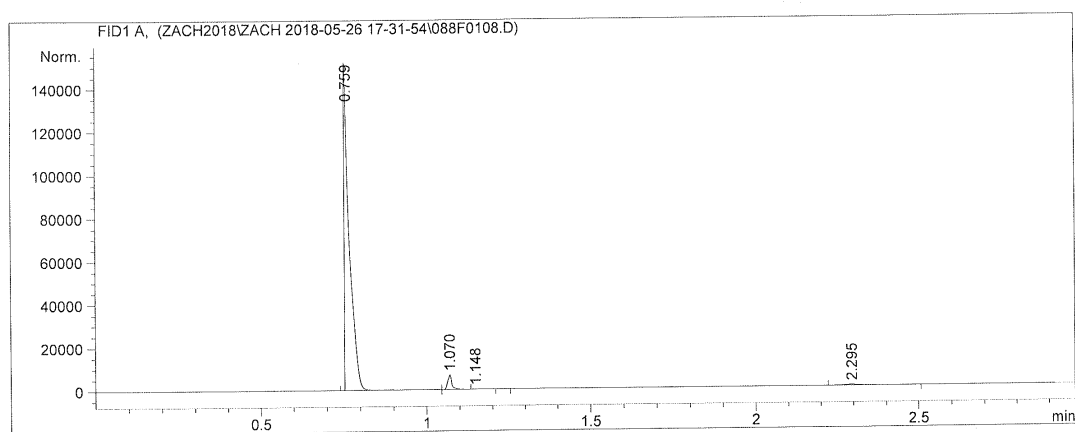
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.753	BV S	0.0191	2.48817e5	1.74133e5	95.05744
2	1.068	VB S	0.0165	9876.79688	9878.08691	3.77331
3	1.144	BB X	0.0156	21.12423	19.85683	0.00807
4	1.286	BB	0.0177	1.96759	1.67443	0.00075
5	2.087	BB	0.0288	4.44168	2.31819	0.00170
6	2.301	BB	0.0561	3033.01978	775.02032	1.15873

Totals : 2.61754e5 1.84810e5

4-Methoxy benzaldehyde: Sequence #1 – Run #8

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 17-31-54\088F0108.D
 Sample Name: 4-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 88
Injection Date  : 26-May-18, 18:00:59              Inj       :    8
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 17-31-54\Z1.M
Last changed    : 5/26/2018 5:27:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.759	BV S	0.0160	1.62358e5	1.31949e5	95.75512
2	1.070	VB S	0.0143	5767.86523	6558.14746	3.40176
3	1.148	BB X	0.0158	12.84373	12.64652	0.00757
4	2.295	BB	0.0550	1416.70618	384.09604	0.83554

Totals : 1.69555e5 1.38904e5

```
=====
*** End of Report ***
=====
```


4-Methoxy benzaldehyde: Sequence #1 – Run #9

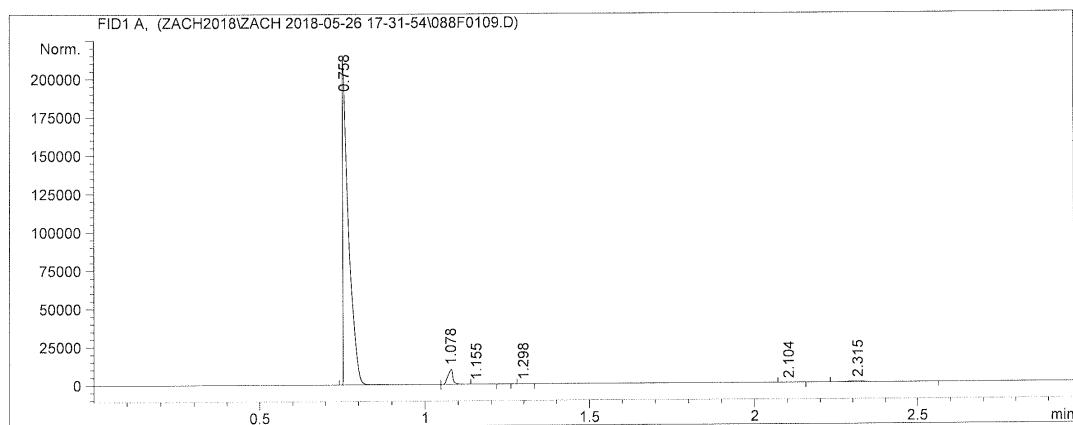
Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 17-31-54\088F0109.D

Sample Name: 4-methoxy

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 18:05:02              Inj       :    9
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 17-31-54\Z1.M
Last changed    : 5/26/2018 5:27:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



```

=====
                          Area Percent Report
=====

```

```

Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs

```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.758	BV S	0.0190	2.56056e5	1.88906e5	95.32392
2	1.078	VB S	0.0176	1.00772e4	9811.03516	3.75151
3	1.155	BB X	0.0155	20.56573	19.57663	0.00766
4	1.298	BB	0.0186	1.87755	1.58220	0.00070
5	2.104	BB	0.0300	4.30719	2.20213	0.00160
6	2.315	BB	0.0577	2456.80591	626.71185	0.91462

```
Totals :                      2.68616e5  1.99367e5
```

4-Methoxy benzaldehyde: Sequence #1 – Run #10

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 17-31-54\088F0110.D

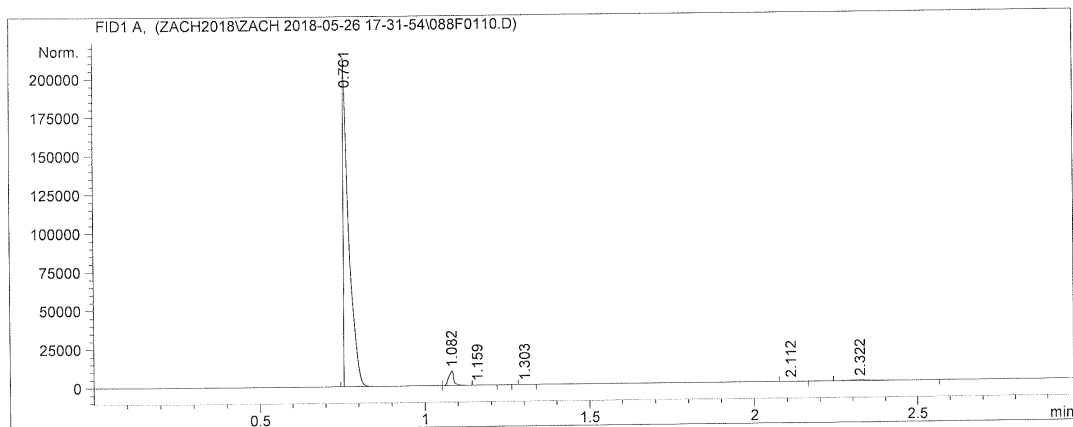
Sample Name: 4-methoxy

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 18:08:59              Inj       :   10
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 17-31-54\Z1.M
Last changed    : 5/26/2018 5:27:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



Area Percent Report

```

=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====

```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.761	BV S	0.0176	2.48431e5	1.90791e5	95.34830
2	1.082	VB S	0.0182	9784.35449	9036.32324	3.75526
3	1.159	BB X	0.0172	21.04297	18.62966	0.00808
4	1.303	BB	0.0189	1.86228	1.54360	0.00071
5	2.112	BB	0.0303	4.18025	2.11241	0.00160
6	2.322	BB	0.0579	2308.60303	597.30157	0.88605

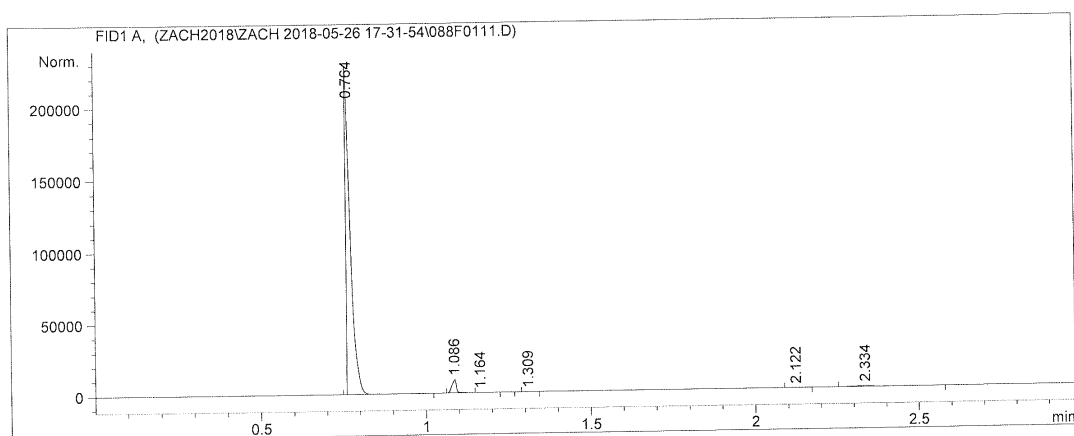
Totals : 2.60551e5 2.00447e5

4-Methoxy benzaldehyde: Sequence #1 – Run #11

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 17-31-54\088F0111.D
 Sample Name: 4-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 88
Injection Date  : 26-May-18, 18:12:59              Inj       :   11
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 17-31-54\Z1.M
Last changed    : 5/26/2018 5:27:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

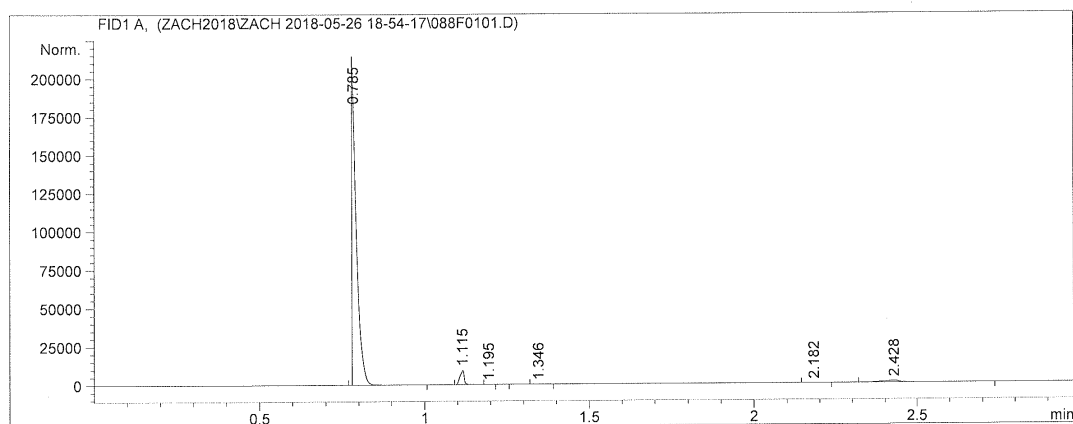
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.764	BB S	0.0158	2.19611e5	2.03117e5	95.23398
2	1.086	BB S	0.0159	8736.95605	9172.17188	3.78878
3	1.164	BB T	0.0121	11.07656	16.02759	0.00480
4	1.309	BB	0.0190	1.71409	1.41077	0.00074
5	2.122	BB	0.0294	3.91756	1.98734	0.00170
6	2.334	BB	0.0574	2236.83789	574.29840	0.97000

```
Totals :                      2.30601e5  2.12883e5
```

4-Methoxy benzaldehyde: Sequence #2 – Run #1

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 18-54-17\088F0101.D
 Sample Name: 4-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 18:55:19              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 18-54-17\Z1.M
Last changed    : 5/26/2018 5:27:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

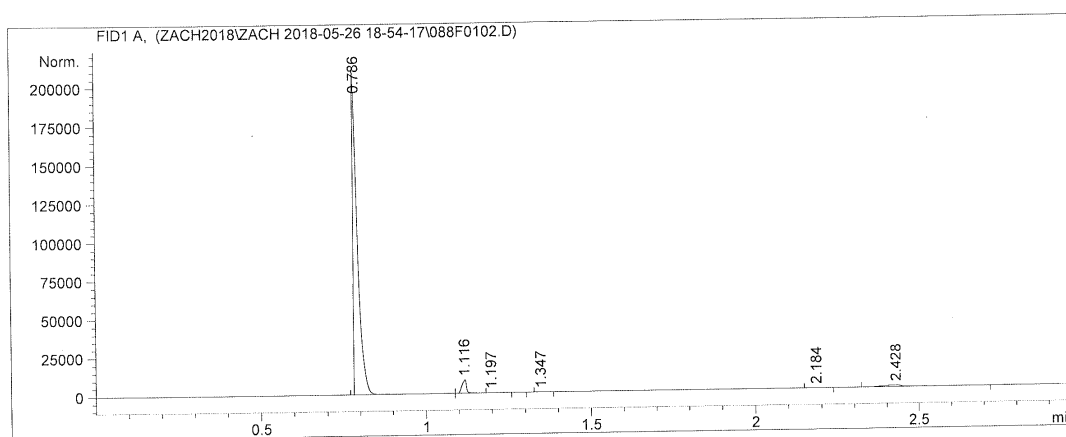
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.785	BB S	0.0159	1.96888e5	1.80591e5	93.82111
2	1.115	BB S	0.0153	8368.91504	9342.08105	3.98795
3	1.195	BB X	0.0135	14.13333	15.97462	0.00673
4	1.346	BB	0.0171	1.45978	1.38062	0.00070
5	2.182	BB	0.0316	3.73991	1.84835	0.00178
6	2.428	BB	0.0617	4578.47656	1058.77893	2.18173

Totals : 2.09855e5 1.91011e5

4-Methoxy benzaldehyde: Sequence #2 – Run #2

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 18-54-17\088F0102.D
 Sample Name: 4-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 88
Injection Date  : 26-May-18, 18:59:19              Inj       :    2
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 18-54-17\Z1.M
Last changed    : 5/26/2018 5:27:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

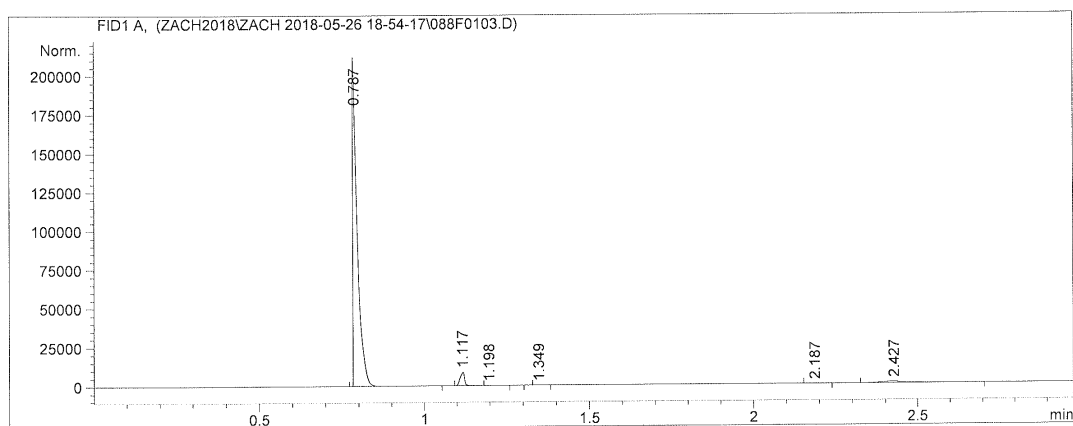
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.786	BV S	0.0153	1.99353e5	1.92779e5	94.01875
2	1.116	VB S	0.0170	8222.46094	8408.36523	3.87786
3	1.197	BB X	0.0167	18.31958	16.80576	0.00864
4	1.347	BB	0.0197	1.60799	1.33344	0.00076
5	2.184	BB	0.0303	3.65175	1.84504	0.00172
6	2.428	BB	0.0620	4436.34814	1035.30542	2.09226

```
Totals :                      2.12036e5  2.02243e5
```

4-Methoxy benzaldehyde: Sequence #2 – Run #3

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 18-54-17\088F0103.D
 Sample Name: 4-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 19:03:20              Inj       :    3
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 18-54-17\Z1.M
Last changed    : 5/26/2018 5:27:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

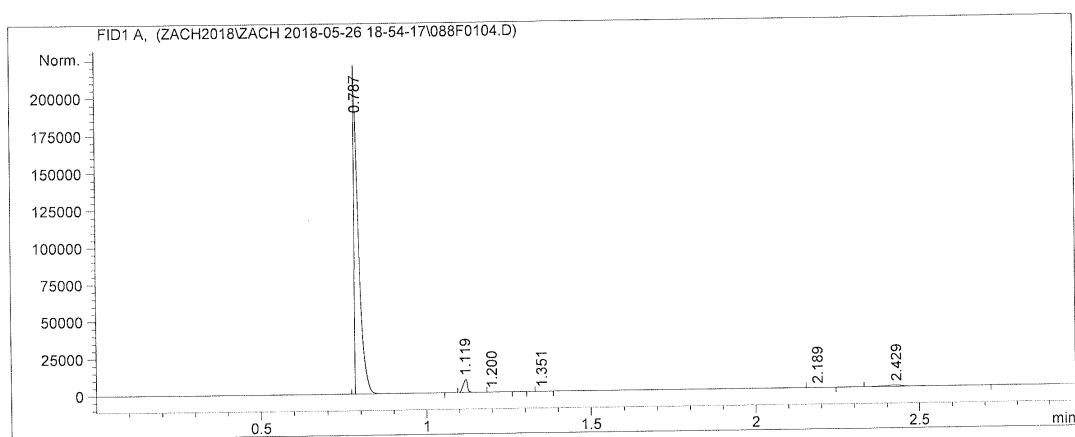
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.787	BB S	0.0164	2.01095e5	1.78300e5	94.39416
2	1.117	BB S	0.0155	7909.08398	8651.48242	3.71253
3	1.198	BB T	0.0128	11.34649	15.06302	0.00533
4	1.349	BB	0.0190	1.57930	1.29640	0.00074
5	2.187	BB	0.0303	3.45159	1.74168	0.00162
6	2.427	BB	0.0603	4017.07642	954.45160	1.88562

```
Totals :                      2.13038e5  1.87924e5
```

4-Methoxy benzaldehyde: Sequence #2 – Run #4

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 18-54-17\088F0104.D
 Sample Name: 4-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 88
Injection Date  : 26-May-18, 19:07:20              Inj       :    4
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 18-54-17\Z1.M
Last changed    : 5/26/2018 5:27:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

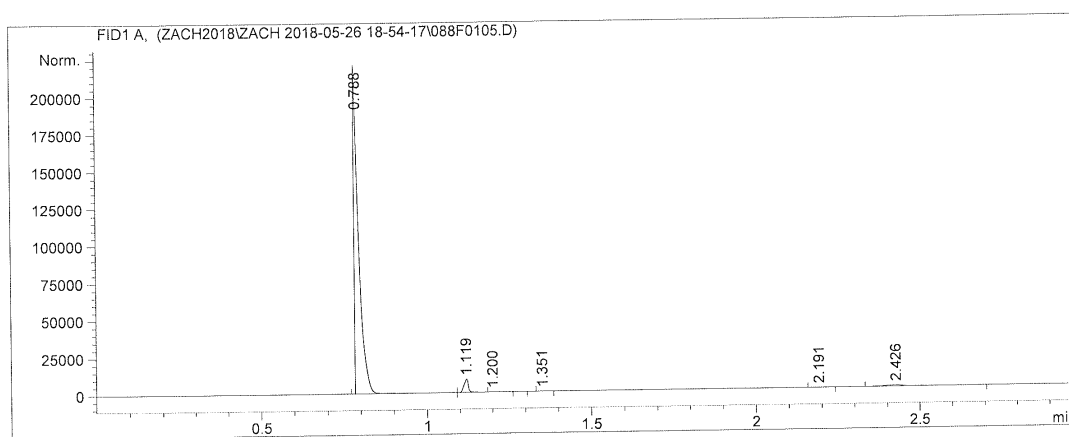
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.787	BB S	0.0158	2.01890e5	1.86281e5	94.35249
2	1.119	BB S	0.0159	8223.78027	8622.01074	3.84334
3	1.200	BB T	0.0126	11.18859	15.13518	0.00523
4	1.351	BB	0.0196	1.69006	1.33401	0.00079
5	2.189	BB	0.0320	3.68554	1.78864	0.00172
6	2.429	BB	0.0626	3843.88525	900.43628	1.79642

```
Totals :                      2.13975e5  1.95822e5
```

4-Methoxy benzaldehyde: Sequence #2 – Run #5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 18-54-17\088F0105.D
 Sample Name: 4-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 19:11:21              Inj       :    5
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 18-54-17\Z1.M
Last changed    : 5/26/2018 5:27:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.788	BV S	0.0152	2.06091e5	1.88361e5	94.71085
2	1.119	VB S	0.0159	8159.05127	8576.65137	3.74955
3	1.200	BB X	0.0157	18.48580	17.22387	0.00850
4	1.351	BB	0.0191	1.57177	1.28513	0.00072
5	2.191	BB	0.0303	3.59081	1.81057	0.00165
6	2.426	BB	0.0619	3326.52539	790.30237	1.52873

```
Totals :                      2.17601e5  1.97748e5
```


4-Methoxy benzaldehyde: Sequence #2 – Run #6

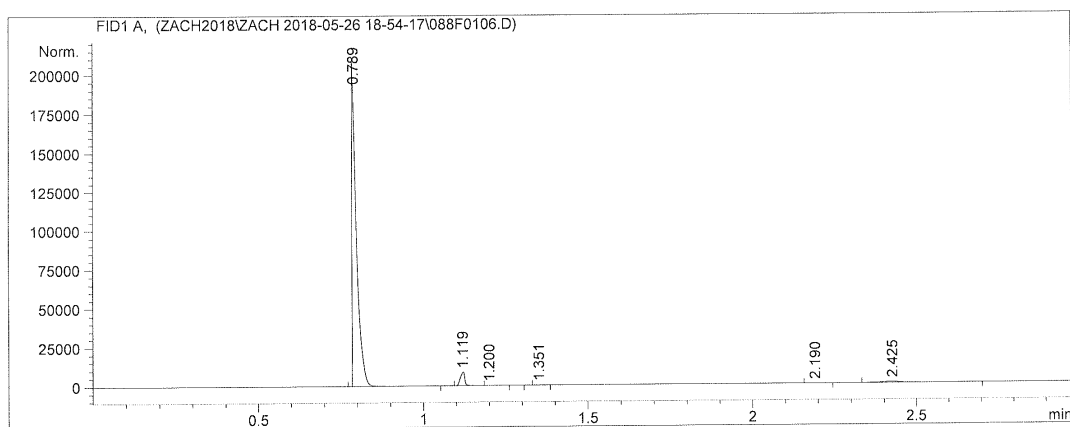
Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 18-54-17\088F0106.D

Sample Name: 4-methoxy

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 19:15:21              Inj       :    6
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 18-54-17\Z1.M
Last changed    : 5/26/2018 5:27:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



```

=====
                          Area Percent Report
=====

```

```

Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs

```

Signal 1: FID1 A,

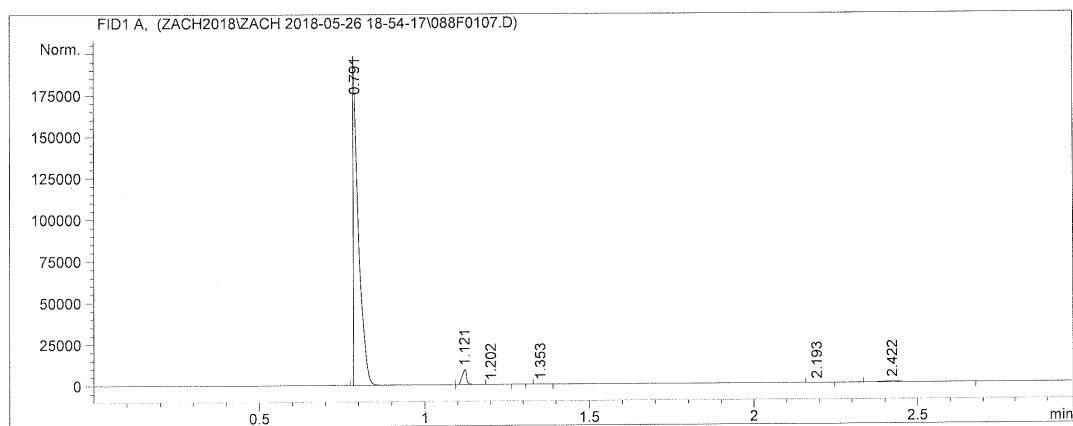
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.789	BB S	0.0151	1.94297e5	1.91112e5	94.55398
2	1.119	BB S	0.0160	8079.10645	8434.41797	3.93167
3	1.200	BB T	0.0130	11.78706	15.23097	0.00574
4	1.351	BB	0.0191	1.60404	1.30455	0.00078
5	2.190	BB	0.0318	3.69102	1.80831	0.00180
6	2.425	BB	0.0619	3094.73706	735.98627	1.50604

```
Totals :                      2.05488e5  2.00300e5
```

4-Methoxy benzaldehyde: Sequence #2 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 18-54-17\088F0107.D
 Sample Name: 4-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 19:19:22              Inj       :    7
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 18-54-17\Z1.M
Last changed    : 5/26/2018 5:27:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.791	BV S	0.0171	2.17240e5	1.72743e5	94.98516
2	1.121	VB S	0.0173	8881.92285	8845.86914	3.88349
3	1.202	BB X	0.0171	19.62568	17.51807	0.00858
4	1.353	BB	0.0196	1.59279	1.32741	0.00070
5	2.193	BB	0.0311	3.71357	1.81545	0.00162
6	2.422	BB	0.0620	2562.56494	617.80835	1.12044

```
Totals :                      2.28710e5  1.82227e5
```

4-Methoxy benzaldehyde: Sequence #2 – Run #8

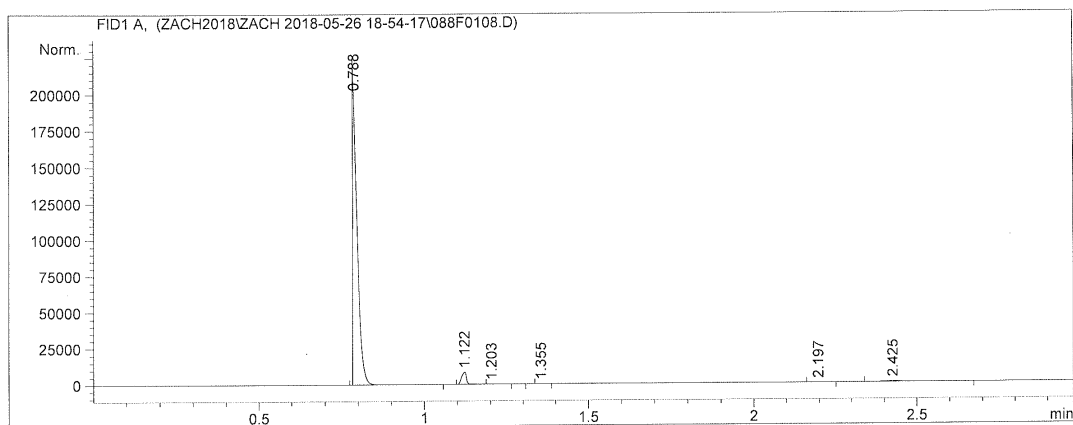
Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 18-54-17\088F0108.D

Sample Name: 4-methoxy

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 19:23:22              Inj       :    8
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 18-54-17\Z1.M
Last changed    : 5/26/2018 5:27:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



Area Percent Report

```

=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs

```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.788	BB S	0.0151	2.04346e5	1.99726e5	95.08171
2	1.122	BB S	0.0167	8377.16113	8223.25293	3.89786
3	1.203	BB T	0.0148	13.13766	15.31000	0.00611
4	1.355	BB	0.0194	1.67783	1.33714	0.00078
5	2.197	BB	0.0319	3.76058	1.83944	0.00175
6	2.425	BB	0.0610	2174.49097	526.44305	1.01178

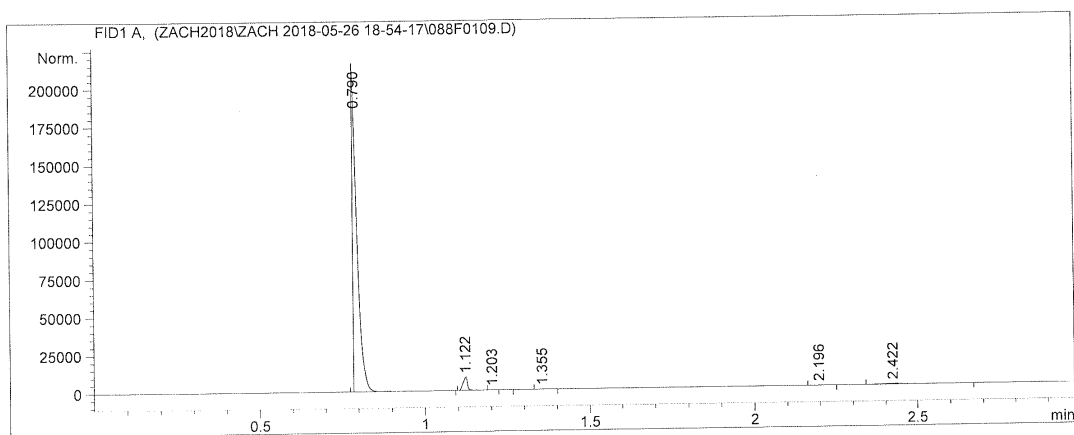
Totals : 2.14917e5 2.08494e5

4-Methoxy benzaldehyde: Sequence #2 – Run #9

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 18-54-17\088F0109.D
 Sample Name: 4-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 19:27:23              Inj       :    9
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 18-54-17\Z1.M
Last changed    : 5/26/2018 5:27:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

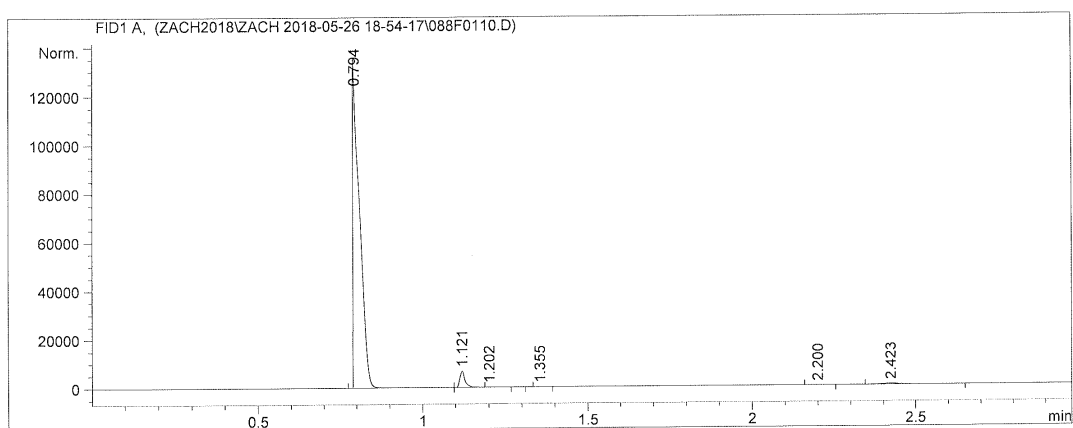
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.790	BB S	0.0158	1.98489e5	1.83894e5	95.16814
2	1.122	BB S	0.0160	8111.92334	8470.21680	3.88937
3	1.203	BB X	0.0134	13.40573	15.26388	0.00643
4	1.355	BB	0.0186	1.50216	1.26736	0.00072
5	2.196	BB	0.0318	3.78829	1.79866	0.00182
6	2.422	BB	0.0631	1947.02136	451.30478	0.93353

```
Totals :                      2.08566e5  1.92834e5
```

4-Methoxy benzaldehyde: Sequence #2 – Run #10

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 18-54-17\088F0110.D
 Sample Name: 4-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 19:31:23              Inj       :   10
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 18-54-17\Z1.M
Last changed    : 5/26/2018 5:27:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.794	BV S	0.0197	1.89542e5	1.22468e5	95.57384
2	1.121	VB S	0.0165	7170.09961	6698.51611	3.61543
3	1.202	BB X	0.0175	16.55003	13.51692	0.00835
4	1.355	BB	0.0210	1.44027	1.09172	0.00073
5	2.200	BB	0.0321	3.25878	1.57448	0.00164
6	2.423	BB	0.0618	1586.59424	377.84256	0.80002

Totals : 1.98320e5 1.29560e5

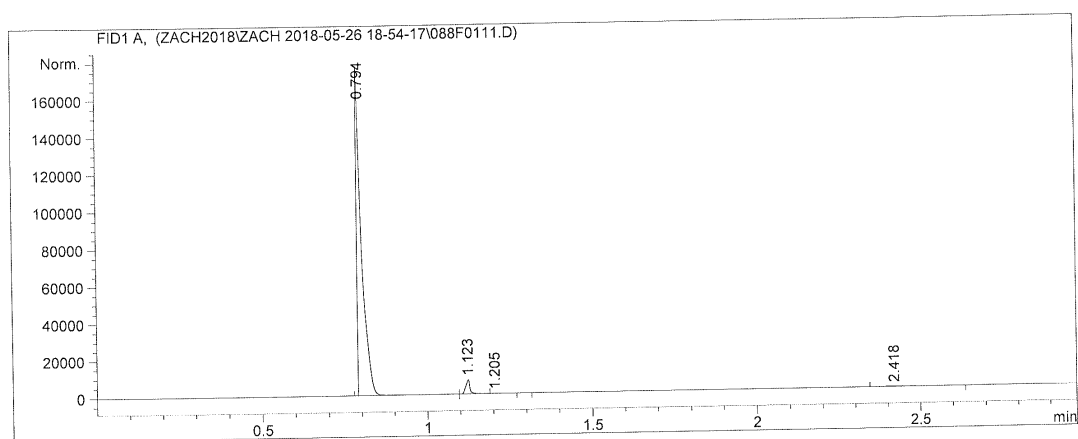
4-Methoxy benzaldehyde: Sequence #2 – Run #11

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 18-54-17\088F0111.D
 Sample Name: 4-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 19:35:24              Inj       :   11
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 18-54-17\Z1.M
Last changed    : 5/26/2018 5:27:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)

Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.794	BV S	0.0157	1.78842e5	1.57305e5	95.80149
2	1.123	VB S	0.0142	6685.74316	7630.58789	3.58139
3	1.205	BB X	0.0150	14.06490	13.92996	0.00753
4	2.418	BB	0.0631	1137.97986	272.89203	0.60959

```
Totals :                      1.86680e5  1.65223e5
```

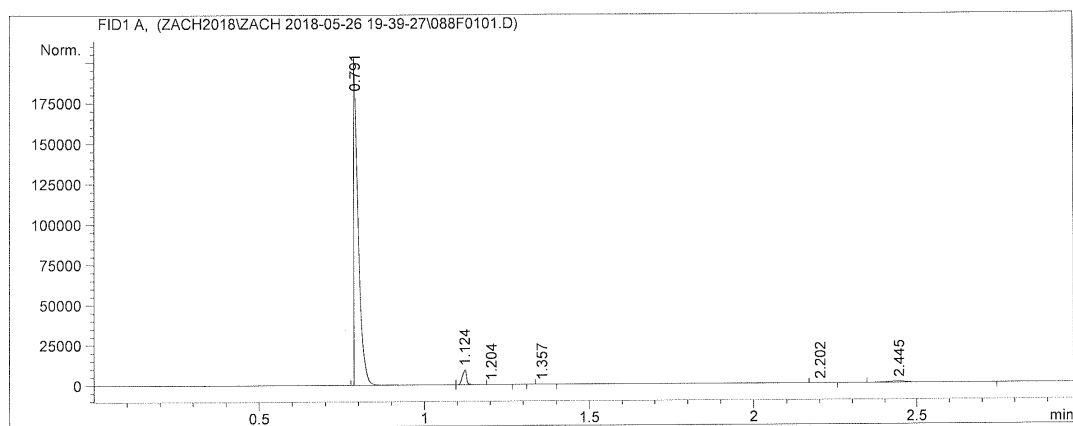
```
=====
*** End of Report ***
=====
```

4-Methoxy benzaldehyde: Sequence #3 – Run #1

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 19-39-27\088F0101.D
 Sample Name: 4-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 88
Injection Date  : 26-May-18, 19:40:27              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 19-39-27\Z1.M
Last changed    : 5/26/2018 5:27:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.791	BV S	0.0152	1.84145e5	1.79565e5	94.02520
2	1.124	VB S	0.0146	8245.04785	9089.99512	4.20996
3	1.204	BB X	0.0162	17.98126	17.25697	0.00918
4	1.357	BB	0.0199	1.40244	1.21551	0.00072
5	2.202	BB	0.0296	3.42527	1.72183	0.00175
6	2.445	BB	0.0646	3433.55200	749.51050	1.75319

Totals : 1.95846e5 1.89425e5

4-Methoxy benzaldehyde: Sequence #3 – Run #2

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 19-39-27\088F0102.D

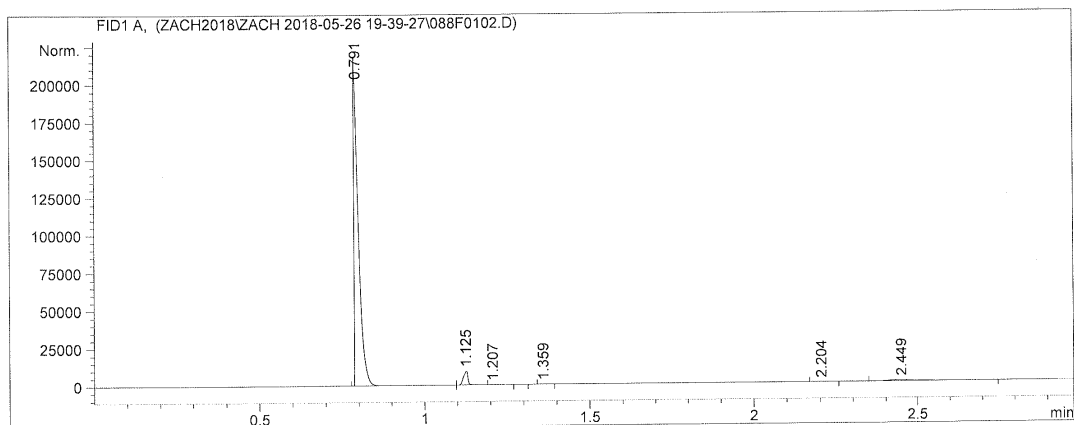
Sample Name: 4-methoxy

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 19:44:29              Inj       :    2
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 19-39-27\Z1.M
Last changed    : 5/26/2018 5:27:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



```

=====
Area Percent Report
=====

```

```

Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs

```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.791	BV S	0.0150	2.01921e5	2.00463e5	94.28429
2	1.125	VB S	0.0156	8610.70117	9302.03906	4.02065
3	1.207	BB X	0.0169	19.25742	17.45698	0.00899
4	1.359	BB	0.0197	1.73713	1.35574	0.00081
5	2.204	BB	0.0318	3.87115	1.83386	0.00181
6	2.449	BB	0.0662	3605.29565	787.50037	1.68345

```
Totals :                2.14162e5  2.10573e5
```


4-Methoxy benzaldehyde: Sequence #3 – Run #3

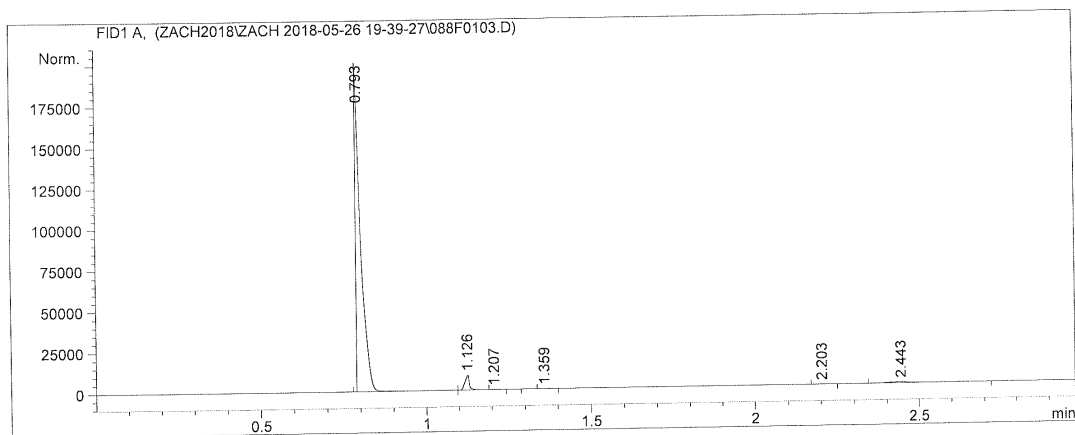
Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 19-39-27\088F0103.D

Sample Name: 4-methoxy

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 19:48:30              Inj       :    3
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 19-39-27\Z1.M
Last changed    : 5/26/2018 5:27:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



Area Percent Report

```

=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====

```

Signal 1: FID1 A,

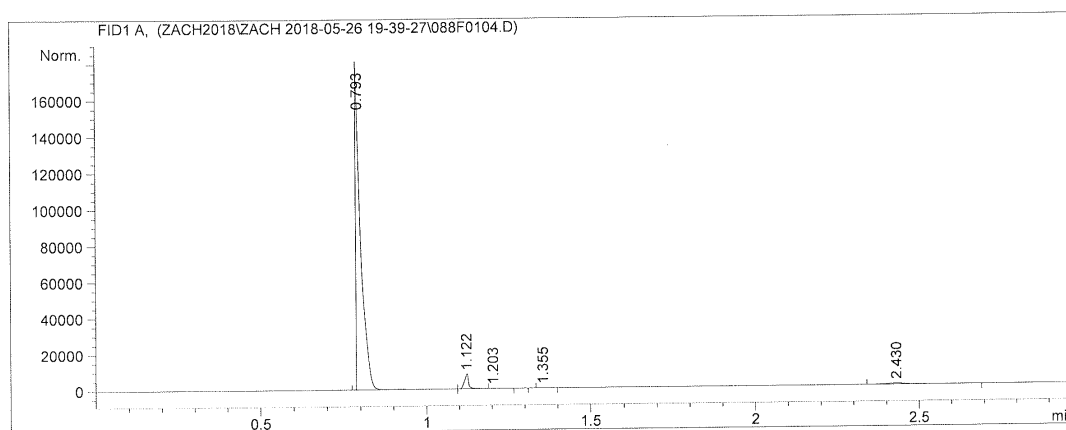
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.793	BV S	0.0169	2.15695e5	1.73821e5	94.95937
2	1.126	VB S	0.0141	8336.75488	8958.51465	3.67024
3	1.207	BB X	0.0160	18.37430	16.80696	0.00809
4	1.359	BB	0.0180	1.28591	1.13975	0.00057
5	2.203	BB	0.0302	3.15490	1.54912	0.00139
6	2.443	BB	0.0681	3089.95801	691.46564	1.36035

Totals : 2.27145e5 1.83491e5

4-Methoxy benzaldehyde: Sequence #3 – Run #4

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 19-39-27\088F0104.D
 Sample Name: 4-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 19:52:32              Inj       :    4
                                                Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 19-39-27\Z1.M
Last changed    : 5/26/2018 5:27:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.793	BV S	0.0166	1.84915e5	1.52187e5	95.02080
2	1.122	VB S	0.0139	7173.86572	7811.51953	3.68637
3	1.203	BB X	0.0151	15.58798	15.34455	0.00801
4	1.355	BB	0.0201	1.23281	1.05291	0.00063
5	2.430	BB	0.0649	2499.09180	567.80292	1.28419

```
Totals :                      1.94605e5  1.60582e5
```

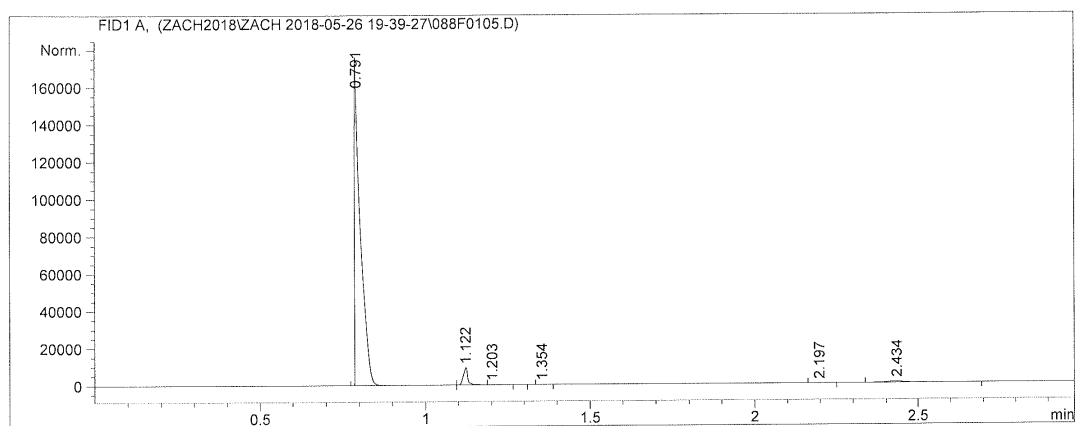
```
=====
*** End of Report ***
```

4-Methoxy benzaldehyde: Sequence #3 – Run #5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 19-39-27\088F0105.D
 Sample Name: 4-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 19:56:33              Inj       :    5
                                                Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 19-39-27\Z1.M
Last changed    : 5/26/2018 5:27:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.791	BV S	0.0180	2.09600e5	1.57238e5	94.80083
2	1.122	VB S	0.0160	8652.64648	8984.93652	3.91355
3	1.203	BB X	0.0159	19.43254	17.81888	0.00879
4	1.354	BB	0.0195	1.67007	1.32564	0.00076
5	2.197	BB	0.0322	3.86331	1.80025	0.00175
6	2.434	BB	0.0661	2817.48901	645.16254	1.27434

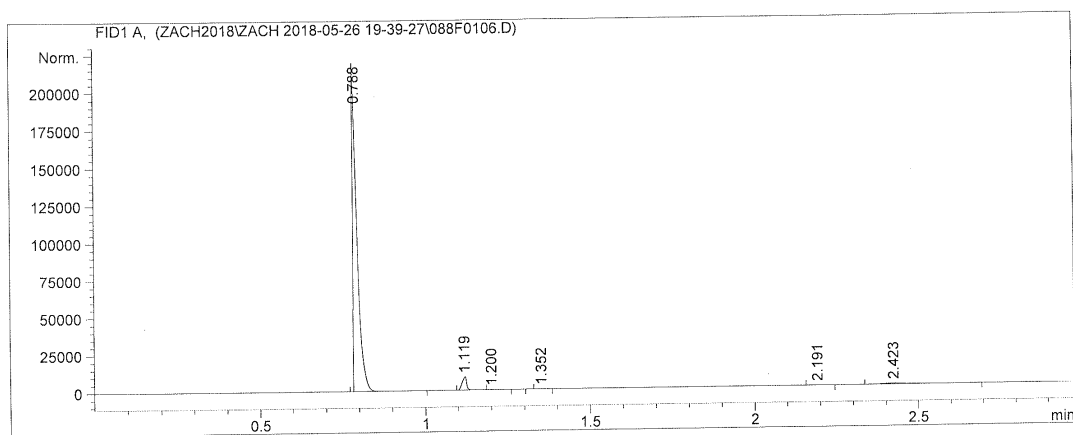
```
Totals :                      2.21095e5  1.66889e5
```

4-Methoxy benzaldehyde: Sequence #3 – Run #6

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 19-39-27\088F0106.D
 Sample Name: 4-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 88
Injection Date  : 26-May-18, 20:00:36              Inj       :    6
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 19-39-27\Z1.M
Last changed    : 5/26/2018 5:27:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.788	BB S	0.0146	1.97905e5	1.89245e5	94.94076
2	1.119	BB S	0.0158	8127.30420	8632.01660	3.89891
3	1.200	BB T	0.0121	11.19129	14.74382	0.00537
4	1.352	BB	0.0196	1.57205	1.23857	0.00075
5	2.191	BB	0.0312	3.52608	1.71216	0.00169
6	2.423	BB	0.0646	2402.42554	541.45996	1.15251

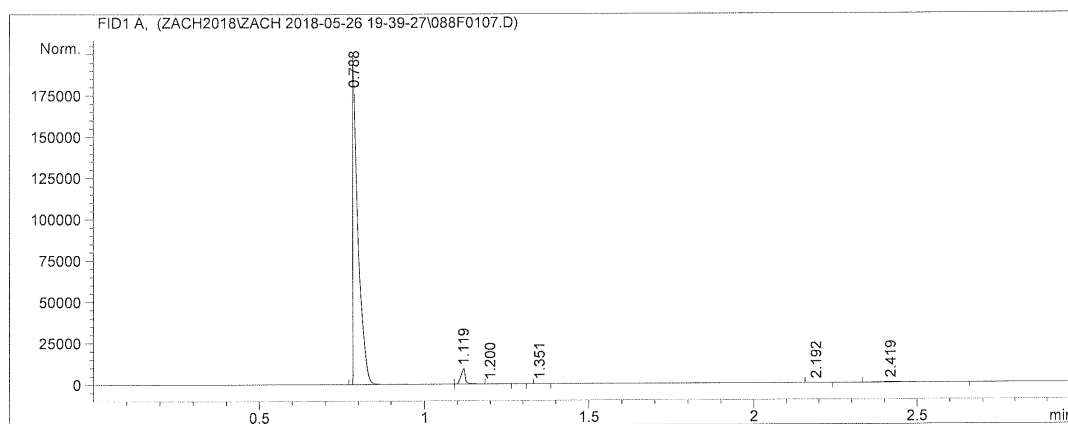
```
Totals :                      2.08451e5  1.98436e5
```

4-Methoxy benzaldehyde: Sequence #3 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 19-39-27\088F0107.D
Sample Name: 4-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 20:04:36              Inj       :    7
                                                Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 19-39-27\Z1.M
Last changed    : 5/26/2018 5:27:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.788	BV S	0.0165	2.13806e5	1.77186e5	95.41587
2	1.119	VB S	0.0144	8430.61230	8793.41309	3.76236
3	1.200	BB X	0.0150	17.33854	17.15861	0.00774
4	1.351	BB	0.0191	1.44298	1.17903	0.00064
5	2.192	BB	0.0302	3.30375	1.62198	0.00147
6	2.419	BB	0.0661	1819.29956	410.27646	0.81191

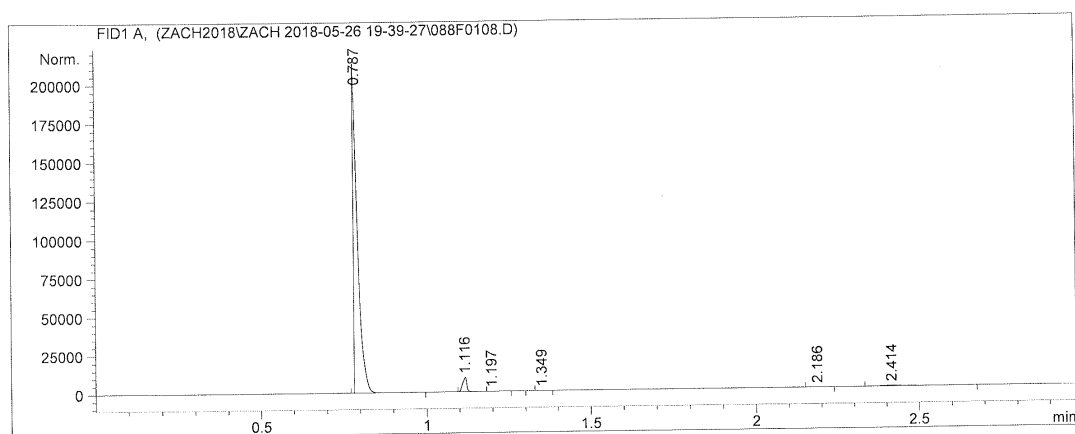
Totals : 2.24078e5 1.86410e5

4-Methoxy benzaldehyde: Sequence #3 – Run #8

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 19-39-27\088F0108.D
 Sample Name: 4-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 20:08:38              Inj       :    8
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 19-39-27\Z1.M
Last changed    : 5/26/2018 5:27:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.787	BB S	0.0143	1.91239e5	2.01304e5	95.08916
2	1.116	BB S	0.0144	7998.08691	8962.70996	3.97687
3	1.197	BB T	0.0134	12.64204	15.69847	0.00629
4	1.349	BB	0.0190	1.54904	1.27308	0.00077
5	2.186	BB	0.0306	3.57455	1.72310	0.00178
6	2.414	BB	0.0661	1860.58911	419.49655	0.92514

Totals : 2.01115e5 2.10705e5

4-Methoxy benzaldehyde: Sequence #3 – Run #9

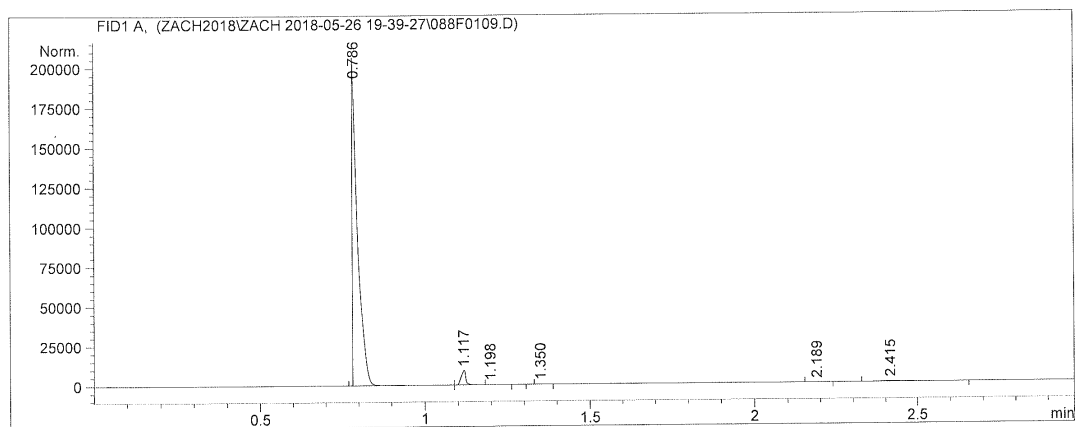
Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 19-39-27\088F0109.D

Sample Name: 4-methoxy

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 20:12:38              Inj       :    9
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 19-39-27\Z1.M
Last changed    : 5/26/2018 5:27:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



Area Percent Report

```

=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs

```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.786	BV S	0.0168	2.27795e5	1.94992e5	95.60950
2	1.117	VB S	0.0164	8782.36426	8805.74707	3.68610
3	1.198	BB X	0.0167	19.16387	17.54727	0.00804
4	1.350	BB	0.0200	1.73053	1.32795	0.00073
5	2.189	BB	0.0317	3.46479	1.64810	0.00145
6	2.415	BB	0.0684	1653.90503	373.86716	0.69417

Totals : 2.38256e5 2.04192e5

4-Methoxy benzaldehyde: Sequence #3 – Run #10

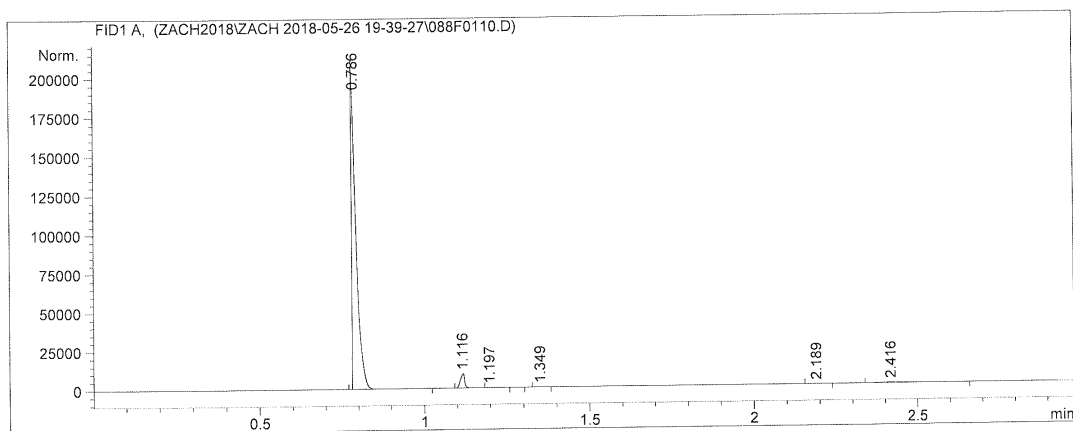
Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 19-39-27\088F0110.D

Sample Name: 4-methoxy

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 20:16:40              Inj       :   10
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 19-39-27\Z1.M
Last changed    : 5/26/2018 5:27:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



Area Percent Report

```

=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====

```

Signal 1: FID1 A,

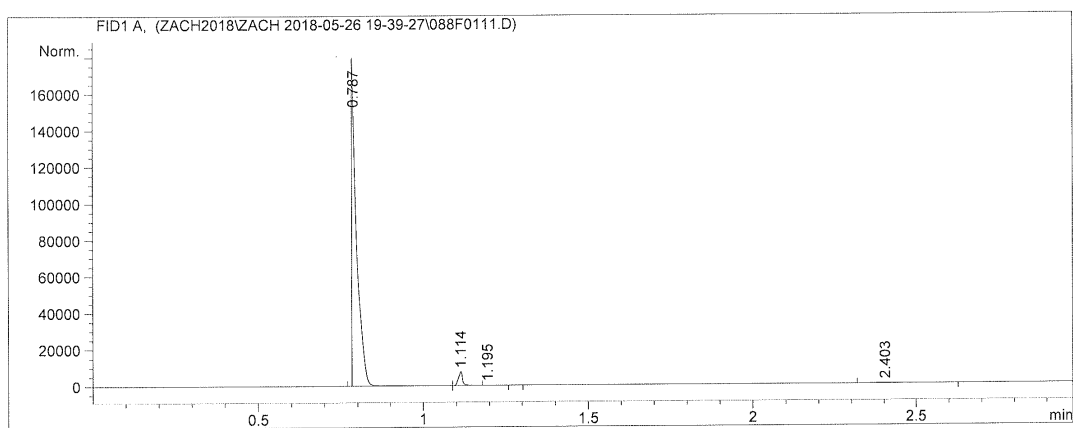
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.786	BB S	0.0151	1.93994e5	1.89476e5	95.16493
2	1.116	BB S	0.0154	8173.48682	8975.82324	4.00956
3	1.197	BB T	0.0114	10.75666	15.34171	0.00528
4	1.349	BB	0.0191	1.51098	1.23638	0.00074
5	2.189	BB	0.0314	3.59255	1.72975	0.00176
6	2.416	BB	0.0687	1666.94788	363.42853	0.81773

Totals : 2.03850e5 1.98834e5

4-Methoxy benzaldehyde: Sequence #3 – Run #11

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 19-39-27\088F0111.D
Sample Name: 4-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 88
Injection Date  : 26-May-18, 20:20:40              Inj       :   11
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 19-39-27\Z1.M
Last changed    : 5/26/2018 5:27:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.787	BV S	0.0165	1.81087e5	1.50301e5	95.86880
2	1.114	VB S	0.0154	6630.60449	7329.98340	3.51029
3	1.195	BB X	0.0154	14.50355	13.90305	0.00768
4	2.403	BB	0.0666	1158.33618	263.11328	0.61323

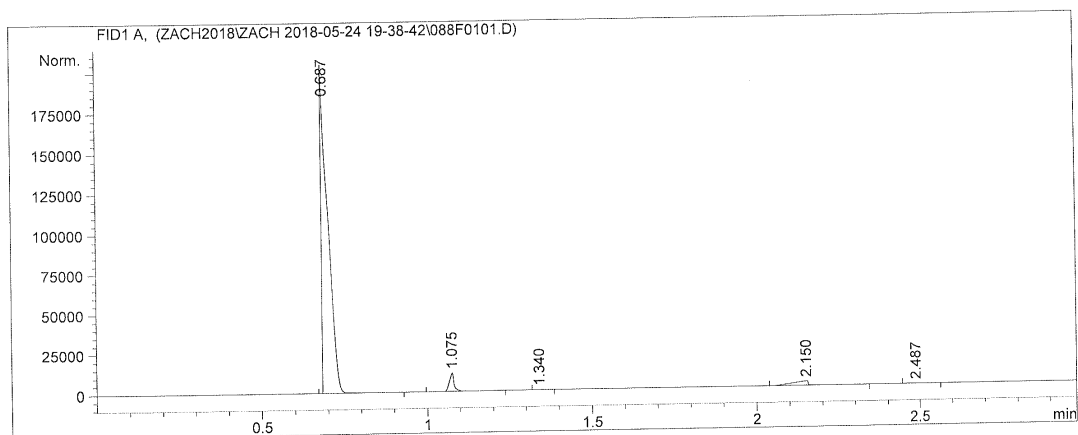
Totals : 1.88891e5 1.57908e5

*** End of Report ***

3-Methoxy benzaldehyde: Sequence #1 – Run #1

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 19-38-42\088F0101.D
 Sample Name: 3-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-May-18, 19:39:45              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 19-38-42\Z1.M
Last changed    : 5/24/2018 7:31:18 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.687	BB S	0.0197	2.83252e5	1.82415e5	93.42103
2	1.075	BB S	0.0155	1.12075e4	1.13842e4	3.69643
3	1.340	BB	0.0198	2.58916	2.00734	0.00085
4	2.150	BB	0.0424	8732.55566	2707.24683	2.88014
5	2.487	BB	0.0390	4.71096	1.86705	0.00155

Totals : 3.03199e5 1.96511e5

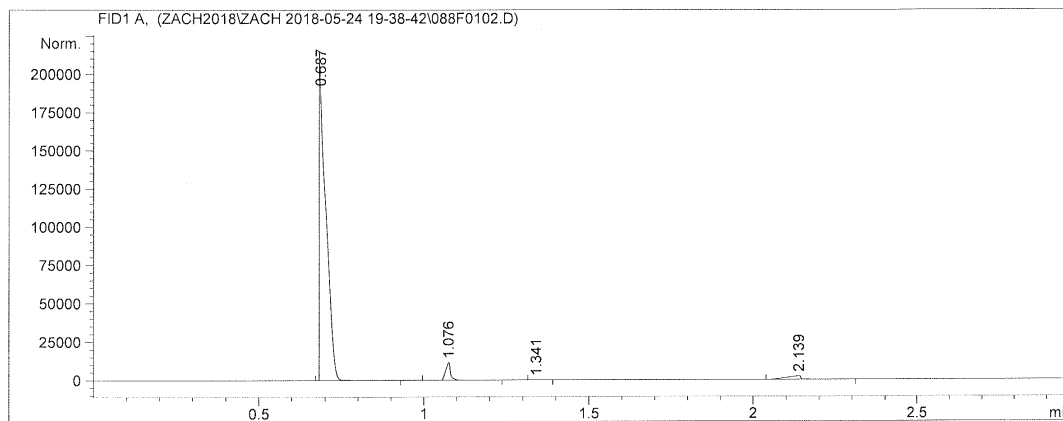
```
=====
*** End of Report ***
```

3-Methoxy benzaldehyde: Sequence #1 – Run #2

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 19-38-42\088F0102.D

Sample Name: 3-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-May-18, 19:43:45              Inj       :    2
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 19-38-42\Z1.M
Last changed    : 5/24/2018 7:31:18 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.687	BB S	0.0194	2.89401e5	1.89801e5	94.02755
2	1.076	BB S	0.0160	1.18070e4	1.14912e4	3.83615
3	1.341	BB	0.0194	2.66551	2.12450	0.00087
4	2.139	BB	0.0369	6572.50732	2327.57544	2.13544

Totals : 3.07783e5 2.03622e5

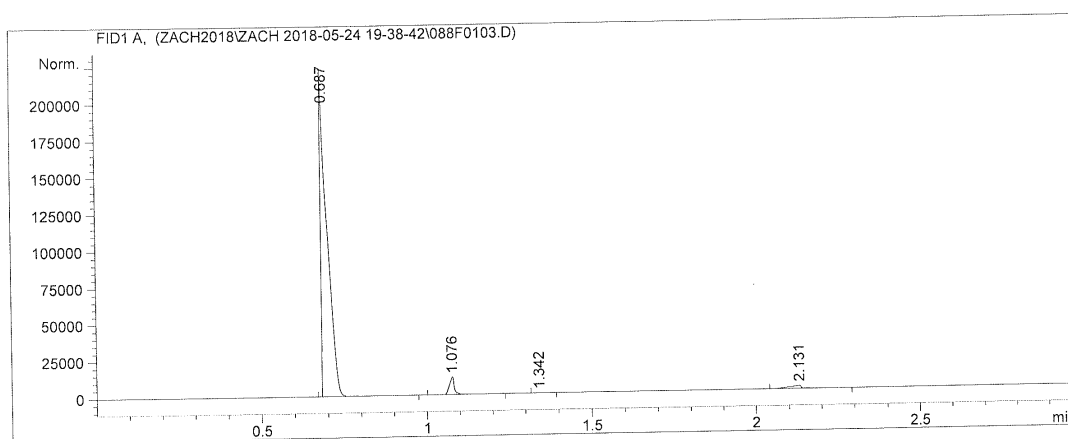
*** End of Report ***

3-Methoxy benzaldehyde: Sequence #1 – Run #3

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 19-38-42\088F0103.D
 Sample Name: 3-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-May-18, 19:47:45              Inj       :    3
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 19-38-42\Z1.M
Last changed    : 5/24/2018 7:31:18 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.687	BB S	0.0191	2.94903e5	1.96890e5	94.47757
2	1.076	BB S	0.0171	1.21394e4	1.15417e4	3.88909
3	1.342	BB	0.0190	2.70018	2.21777	0.00087
4	2.131	BB	0.0338	5095.61865	1943.24377	1.63248

```
Totals :                      3.12140e5  2.10377e5
```

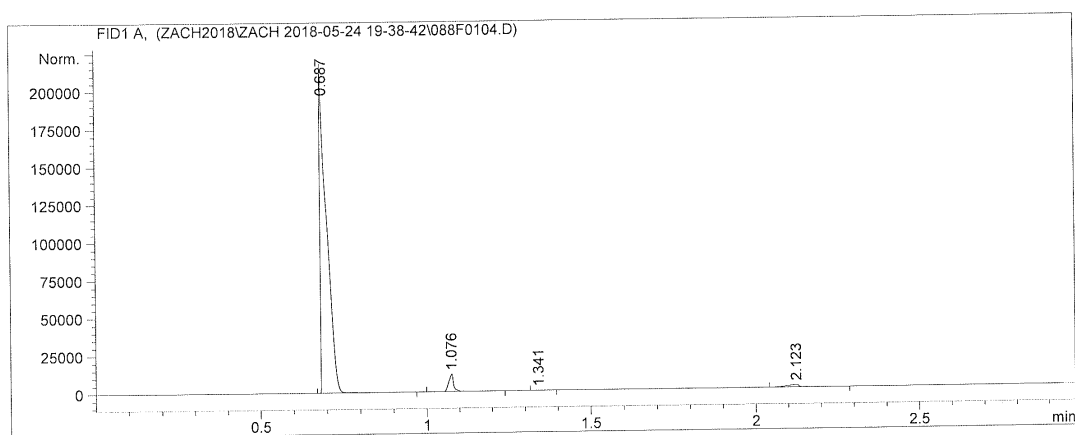
```
=====
*** End of Report ***
=====
```

3-Methoxy benzaldehyde: Sequence #1 – Run #4

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 19-38-42\088F0104.D
 Sample Name: 3-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-May-18, 19:51:47              Inj       :    4
                                                Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 19-38-42\Z1.M
Last changed    : 5/24/2018 7:31:18 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.687	BB S	0.0192	2.92463e5	1.94052e5	94.89473
2	1.076	BB S	0.0160	1.16632e4	1.13183e4	3.78434
3	1.341	BB	0.0188	2.56346	2.13882	0.00083
4	2.123	BB	0.0371	4068.47314	1589.58752	1.32009

```
Totals :                      3.08197e5  2.06962e5
```

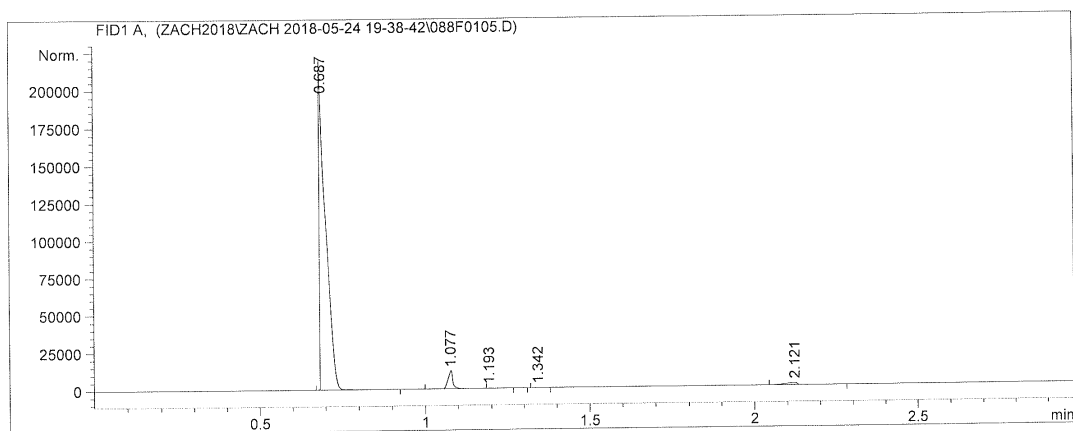
```
=====
*** End of Report ***
```

3-Methoxy benzaldehyde: Sequence #1 – Run #5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 19-38-42\088F0105.D
 Sample Name: 3-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-May-18, 19:55:47              Inj       :    5
                                                Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 19-38-42\Z1.M
Last changed    : 5/24/2018 7:31:18 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.687	BB S	0.0188	2.87785e5	1.94973e5	94.83867
2	1.077	BB S	0.0170	1.20226e4	1.15223e4	3.96202
3	1.193	BB T	0.0165	3.82630	3.87197	0.00126
4	1.342	BB	0.0209	2.97212	2.26190	0.00098
5	2.121	BB	0.0368	3632.46191	1431.65186	1.19707

```
Totals :                3.03447e5  2.07933e5
```

```
=====
*** End of Report ***
=====
```

3-Methoxy benzaldehyde: Sequence #1 – Run #6

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 19-38-42\088F0106.D

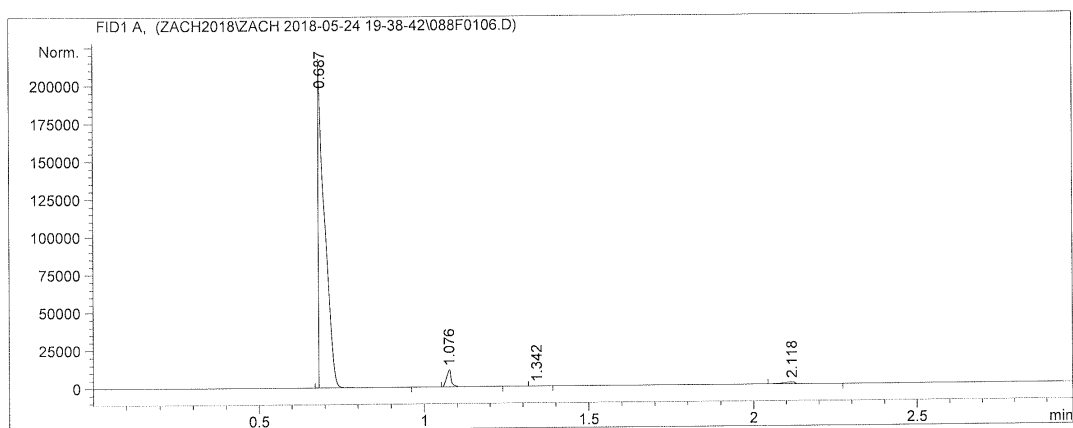
Sample Name: 3-methoxy

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-May-18, 19:59:49              Inj       :    6
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 19-38-42\Z1.M
Last changed    : 5/24/2018 7:31:18 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



```

=====
Area Percent Report
=====

```

```

Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs

```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.687	BB S	0.0194	2.84760e5	1.95209e5	95.17024
2	1.076	BB S	0.0159	1.13049e4	1.10510e4	3.77824
3	1.342	BB	0.0202	2.68497	2.14115	0.00090
4	2.118	BB	0.0352	3143.59253	1237.61121	1.05063

```
Totals :                2.99211e5  2.07500e5
```

```

=====
*** End of Report ***

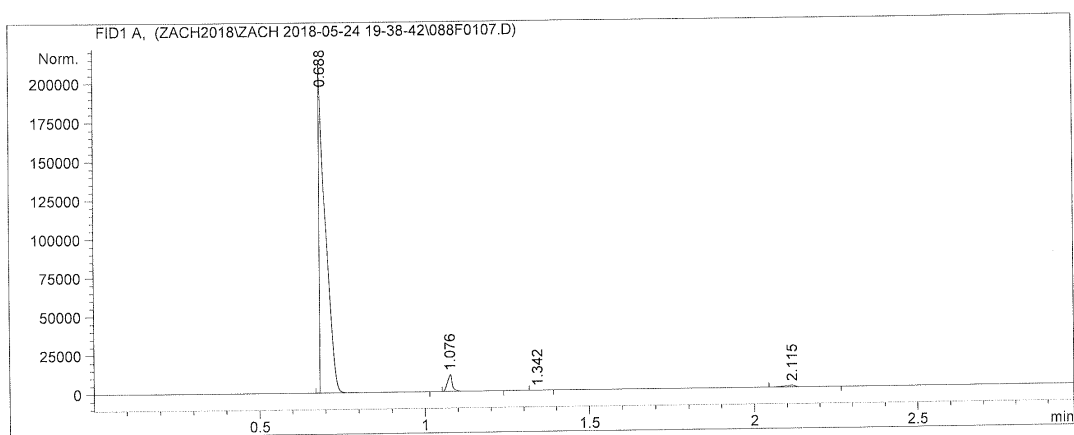
```

3-Methoxy benzaldehyde: Sequence #1 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 19-38-42\088F0107.D
 Sample Name: 3-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 88
Injection Date  : 24-May-18, 20:03:49              Inj       :    7
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 19-38-42\Z1.M
Last changed    : 5/24/2018 7:31:18 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.688	BB S	0.0195	2.84371e5	1.94490e5	95.30082
2	1.076	BB S	0.0162	1.11991e4	1.07341e4	3.75315
3	1.342	BB	0.0205	2.61689	2.05357	0.00088
4	2.115	BB	0.0375	2820.26611	1115.17896	0.94515

```
Totals :                      2.98393e5  2.06342e5
```

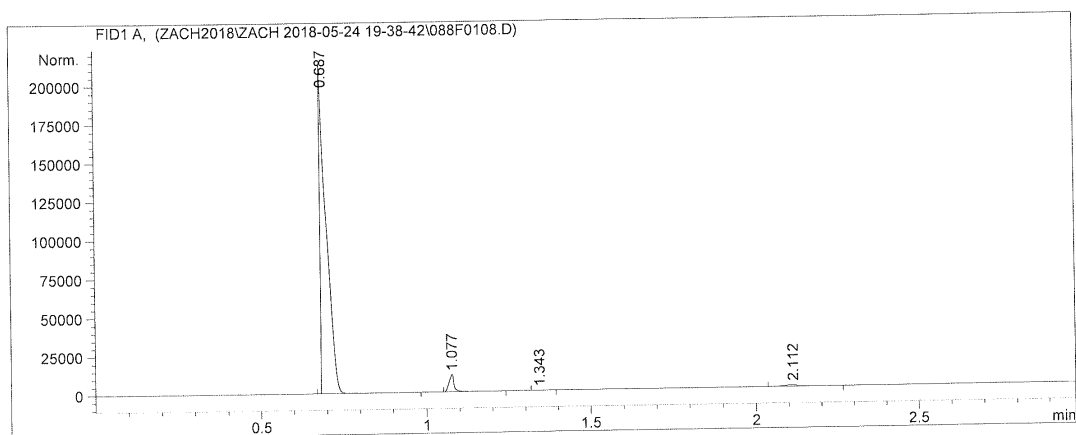
```
=====
*** End of Report ***
=====
```


3-Methoxy benzaldehyde: Sequence #1 – Run #8

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 19-38-42\088F0108.D
 Sample Name: 3-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-May-18, 20:07:52              Inj       :    8
                                                Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 19-38-42\Z1.M
Last changed    : 5/24/2018 7:31:18 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.687	BB S	0.0190	2.78764e5	1.95580e5	95.20554
2	1.077	BB S	0.0172	1.16601e4	1.09289e4	3.98226
3	1.343	BB	0.0198	2.75179	2.14456	0.00094
4	2.112	BB	0.0407	2375.40430	940.54456	0.81127

Totals : 2.92802e5 2.07452e5

```
=====
*** End of Report ***
=====
```

3-Methoxy benzaldehyde: Sequence #1 – Run #9

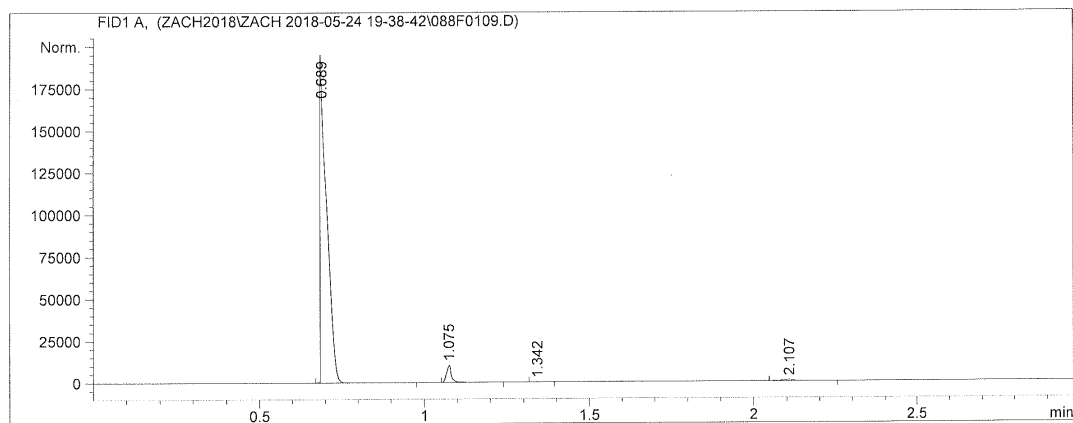
Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 19-38-42\088F0109.D

Sample Name: 3-methoxy

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-May-18, 20:11:54              Inj       :    9
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 19-38-42\Z1.M
Last changed    : 5/24/2018 7:31:18 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



```

=====
                        Area Percent Report
=====

```

```

Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs

```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.689	BB S	0.0213	2.70248e5	1.66835e5	95.64081
2	1.075	BB S	0.0157	1.03602e4	1.03463e4	3.66647
3	1.342	BB	0.0207	2.54856	1.97288	0.00090
4	2.107	BB	0.0361	1954.82544	788.37030	0.69181

```
Totals :                      2.82566e5  1.77972e5
```

```

=====
*** End of Report ***

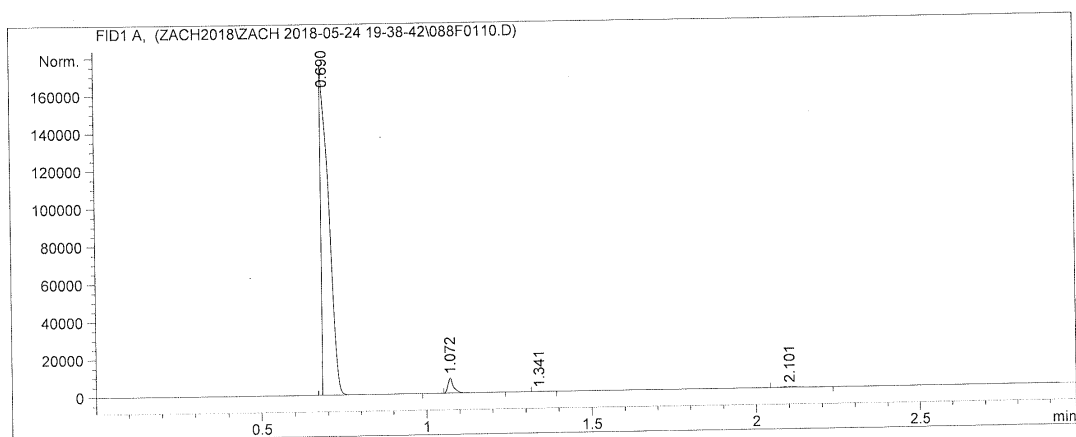
```

3-Methoxy benzaldehyde: Sequence #1 – Run #10

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 19-38-42\088F0110.D
Sample Name: 3-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 88
Injection Date  : 24-May-18, 20:15:55              Inj       :   10
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 19-38-42\Z1.M
Last changed    : 5/24/2018 7:31:18 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By       : Signal
Multiplier      : 1.0000
Dilution        : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.690	BB S	0.0232	2.87705e5	1.61452e5	96.51689
2	1.072	BB S	0.0175	9123.34180	7877.43262	3.06062
3	1.341	BB	0.0210	2.25085	1.61623	0.00076
4	2.101	BB	0.0398	1257.15747	498.63245	0.42174

Totals : 2.98088e5 1.69830e5

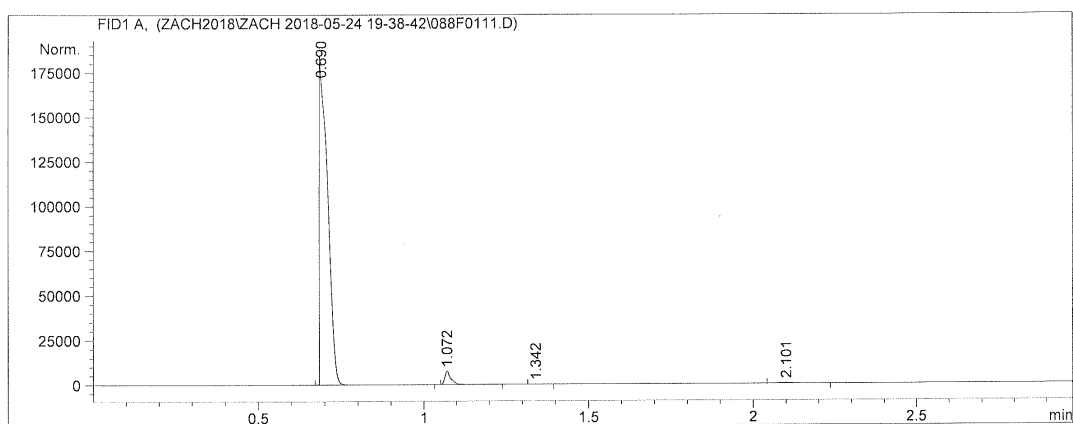
*** End of Report ***

3-Methoxy benzaldehyde: Sequence #1 – Run #11

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 19-38-42\088F0111.D

Sample Name: 3-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-May-18, 20:19:55             Inj       :   11
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 19-38-42\Z1.M
Last changed    : 5/24/2018 7:31:18 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.690	BB S	0.0242	3.17194e5	1.69851e5	96.82523
2	1.072	BB S	0.0187	9287.98145	7365.37598	2.83521
3	1.342	BB	0.0225	2.03800	1.40516	0.00062
4	2.101	BB	0.0411	1110.34509	421.90356	0.33894

Totals : 3.27595e5 1.77640e5

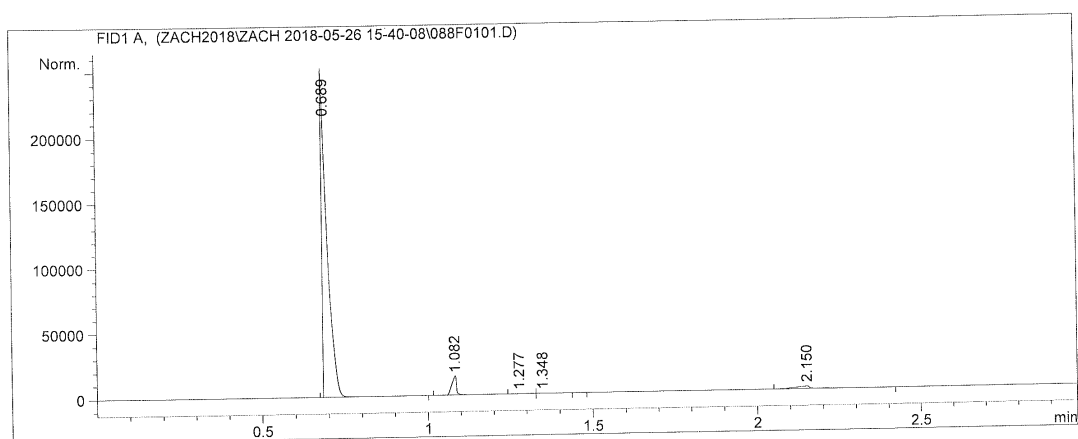
*** End of Report ***

3-Methoxy benzaldehyde: Sequence #2 – Run #1

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 15-40-08\088F0101.D
 Sample Name: 3-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 15:41:10              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 15-40-08\Z1.M
Last changed    : 5/24/2018 7:31:18 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.689	BB S	0.0174	2.73314e5	2.12229e5	92.98336
2	1.082	BB S	0.0178	1.44417e4	1.37827e4	4.91318
3	1.277	PV T	0.0246	2.84294	1.61007	0.00097
4	1.348	PB T	0.0194	2.40200	2.02445	0.00082
5	2.150	BB	0.0414	6177.66113	1929.40479	2.10168

```
Totals :                      2.93939e5  2.27945e5
```

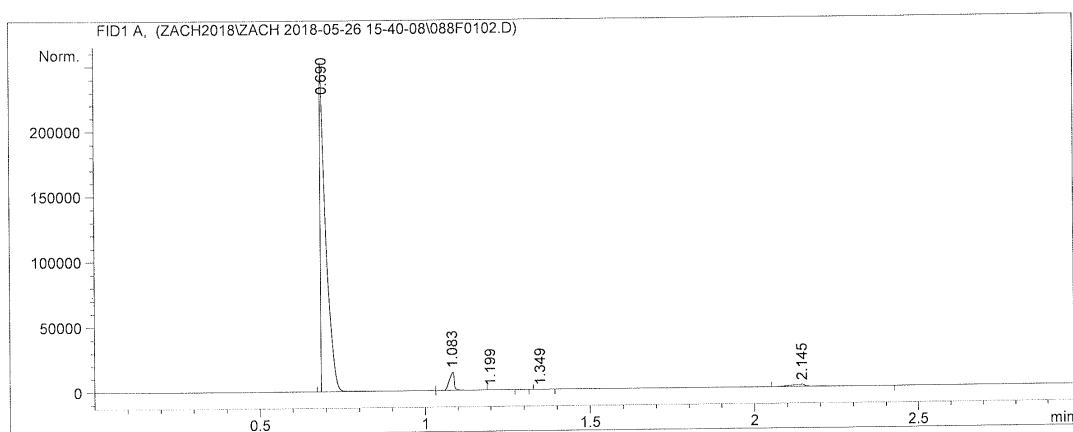
```
=====
*** End of Report ***
```

3-Methoxy benzaldehyde: Sequence #2 – Run #2

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 15-40-08\088F0102.D
Sample Name: 3-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 15:45:10              Inj       :    2
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 15-40-08\Z1.M
Last changed    : 5/24/2018 7:31:18 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.690	BV S	0.0173	2.86341e5	2.24866e5	93.53165
2	1.083	VB S	0.0176	1.44489e4	1.40339e4	4.71964
3	1.199	BB X	0.0168	3.53769	3.50290	0.00116
4	1.349	BB	0.0236	3.11371	2.10849	0.00102
5	2.145	BB	0.0421	5346.92090	1638.61694	1.74654

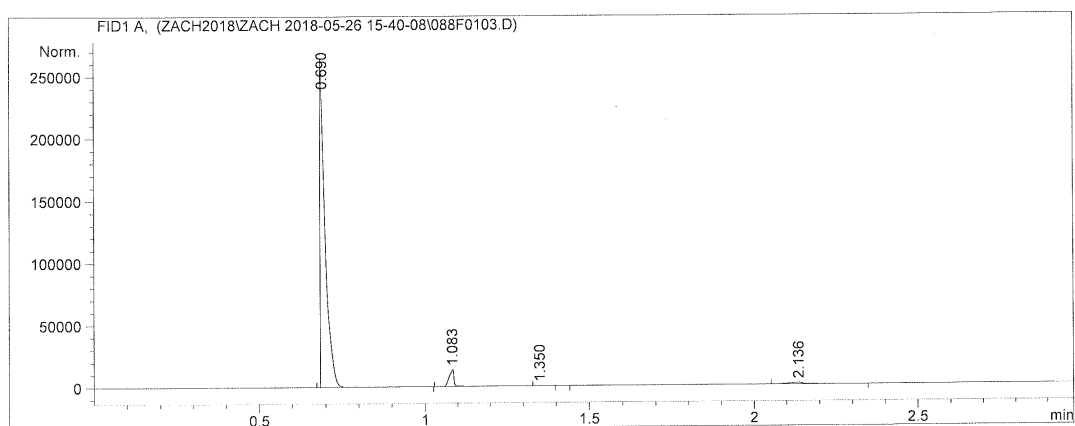
Totals : 3.06144e5 2.40544e5

*** End of Report ***

3-Methoxy benzaldehyde: Sequence #2 – Run #3

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 15-40-08\088F0103.D
 Sample Name: 3-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 15:49:11              Inj       :    3
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 15-40-08\Z1.M
Last changed    : 5/24/2018 7:31:18 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.690	BB S	0.0166	2.71512e5	2.36474e5	93.94551
2	1.083	BB S	0.0175	1.35589e4	1.33169e4	4.69150
3	1.350	PB T	0.0211	2.40753	1.80955	0.00083
4	2.136	BB	0.0466	3936.79443	1267.77930	1.36216

Totals : 2.89010e5 2.51061e5

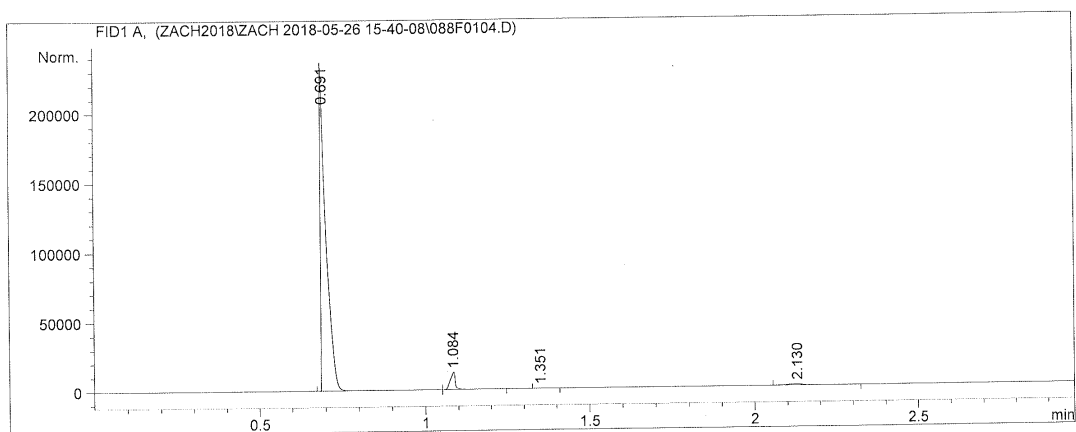
*** End of Report ***

3-Methoxy benzaldehyde: Sequence #2 – Run #4

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 15-40-08\088F0104.D
 Sample Name: 3-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 15:53:11              Inj       :    4
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 15-40-08\Z1.M
Last changed    : 5/24/2018 7:31:18 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.691	BV S	0.0182	2.74708e5	2.03472e5	94.51930
2	1.084	VB S	0.0180	1.29497e4	1.21705e4	4.45563
3	1.351	BB	0.0189	2.36032	1.94848	0.00081
4	2.130	BB	0.0464	2976.86230	964.70831	1.02425

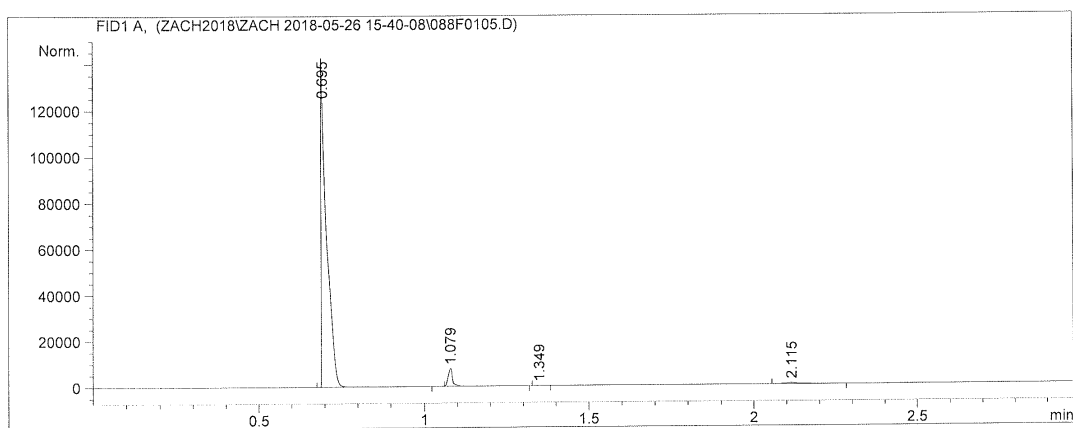
```
Totals :                2.90637e5  2.16610e5
```

```
=====
*** End of Report ***
=====
```


3-Methoxy benzaldehyde: Sequence #2 – Run #5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 15-40-08\088F0105.D
 Sample Name: 3-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 15:57:12              Inj       :    5
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 15-40-08\Z1.M
Last changed    : 5/24/2018 7:31:18 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.695	BB S	0.0168	1.60549e5	1.23402e5	94.94422
2	1.079	BB S	0.0151	7135.12256	7530.16748	4.21951
3	1.349	BB	0.0194	1.32866	1.06408	0.00079
4	2.115	BB	0.0454	1412.78577	482.22632	0.83548

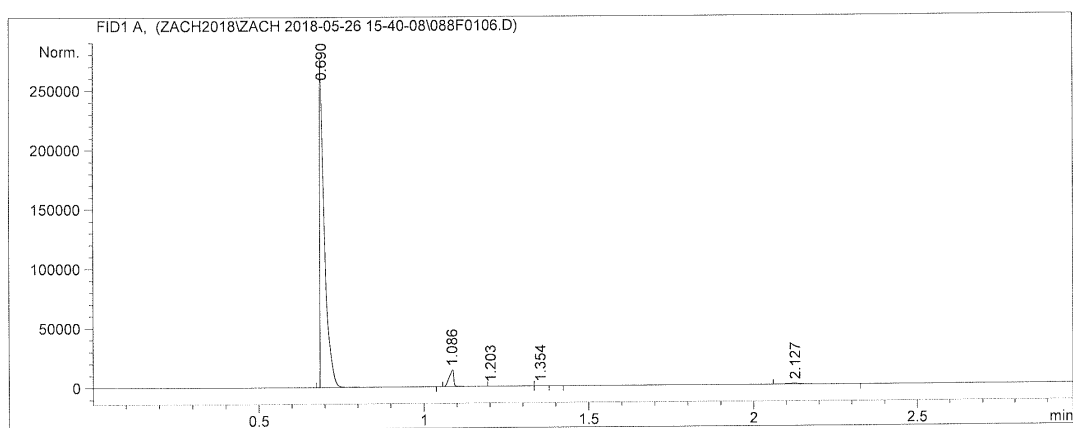
Totals : 1.69098e5 1.31416e5

*** End of Report ***

3-Methoxy benzaldehyde: Sequence #2 – Run #6

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 15-40-08\088F0106.D
Sample Name: 3-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 16:01:12              Inj       :    6
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 15-40-08\Z1.M
Last changed    : 5/24/2018 7:31:18 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.690	BB S	0.0156	2.76921e5	2.60018e5	94.52336
2	1.086	BB S	0.0173	1.37430e4	1.36539e4	4.69099
3	1.203	BV T	0.0645	90.36804	23.35334	0.03085
4	1.354	PB T	0.0204	2.41486	1.90153	0.00082
5	2.127	BB	0.0466	2208.88525	712.36517	0.75398

Totals : 2.92965e5 2.74410e5

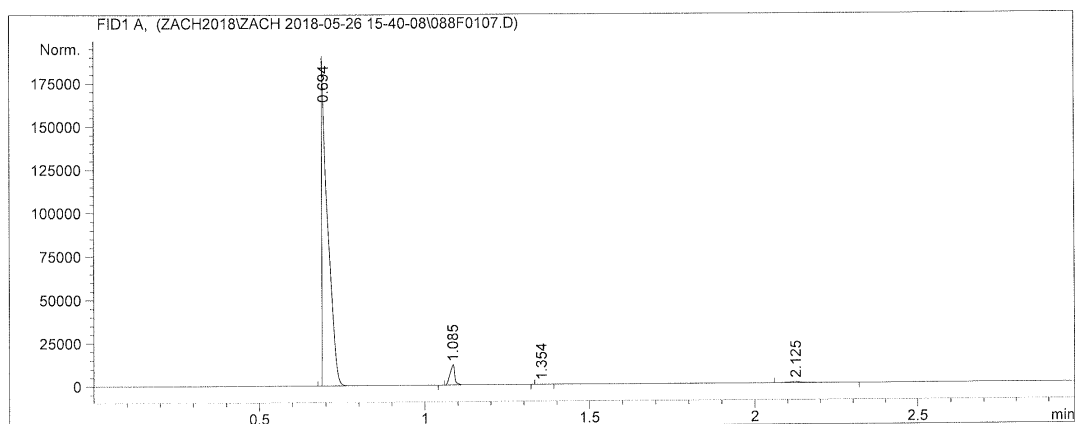
*** End of Report ***

3-Methoxy benzaldehyde: Sequence #2 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 15-40-08\088F0107.D

Sample Name: 3-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 88
Injection Date  : 26-May-18, 16:05:14              Inj       :    7
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 15-40-08\Z1.M
Last changed    : 5/24/2018 7:31:18 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.694	BB S	0.0195	2.36040e5	1.61322e5	94.65815
2	1.085	BB S	0.0168	1.14833e4	1.11897e4	4.60510
3	1.354	BB	0.0207	2.42368	1.77521	0.00097
4	2.125	BB	0.0468	1834.73682	601.82013	0.73578

Totals : 2.49360e5 1.73116e5

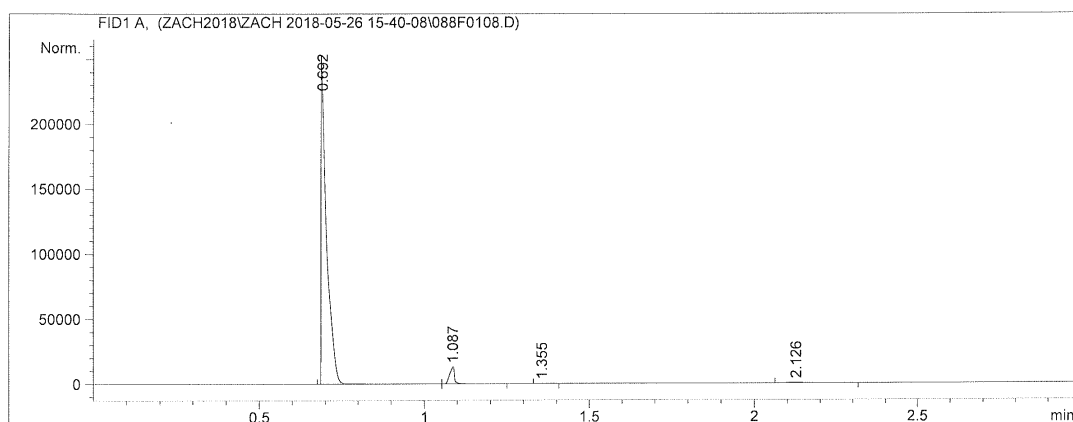
*** End of Report ***

3-Methoxy benzaldehyde: Sequence #2 – Run #8

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 15-40-08\088F0108.D

Sample Name: 3-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 88
Injection Date  : 26-May-18, 16:09:14              Inj       :    8
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 15-40-08\Z1.M
Last changed    : 5/24/2018 7:31:18 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.692	BV S	0.0177	2.91863e5	2.22508e5	94.90482
2	1.087	VB S	0.0174	1.39316e4	1.28865e4	4.53012
3	1.355	BB	0.0217	2.57122	1.86863	0.00084
4	2.126	BB	0.0461	1735.15918	567.03156	0.56422

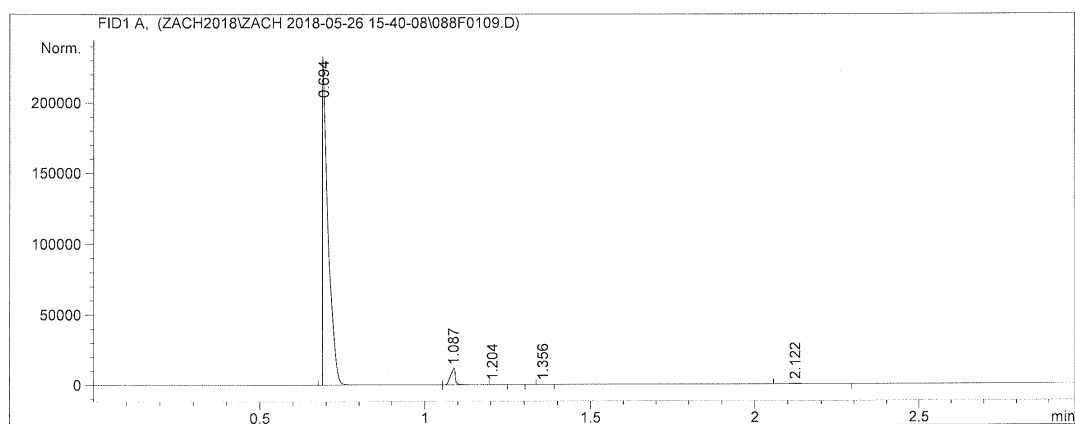
Totals : 3.07532e5 2.35963e5

*** End of Report ***

3-Methoxy benzaldehyde: Sequence #2 – Run #9

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 15-40-08\088F0109.D
Sample Name: 3-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 16:13:16              Inj       :    9
                                                Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 15-40-08\Z1.M
Last changed    : 5/24/2018 7:31:18 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.694	BV S	0.0185	2.63189e5	2.00802e5	95.30439
2	1.087	VB S	0.0178	1.18054e4	1.12802e4	4.27489
3	1.204	BB X	0.0129	1.47178	1.89802	0.00053
4	1.356	BB	0.0206	2.12788	1.57604	0.00077
5	2.122	BB	0.0474	1158.25391	381.38922	0.41942

Totals : 2.76156e5 2.12467e5

*** End of Report ***

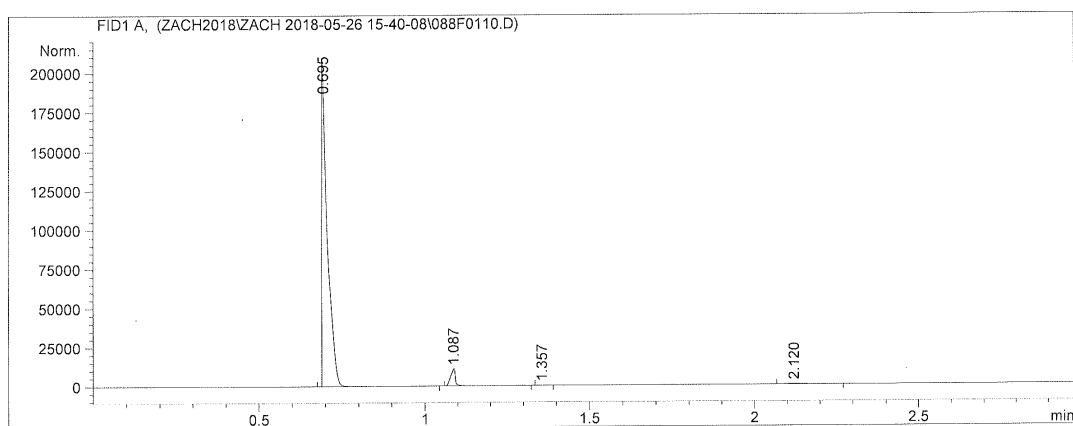
3-Methoxy benzaldehyde: Sequence #2 – Run #10

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 15-40-08\088F0110.D

Sample Name: 3-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 88
Injection Date  : 26-May-18, 16:17:16              Inj       :   10
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 15-40-08\Z1.M
Last changed    : 5/24/2018 7:31:18 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.695	BB S	0.0173	2.35407e5	1.84219e5	95.28261
2	1.087	BB S	0.0166	1.08262e4	1.06997e4	4.38199
3	1.357	BB	0.0210	2.28560	1.65039	0.00093
4	2.120	BB	0.0441	826.36639	286.42960	0.33448

Totals : 2.47062e5 1.95207e5

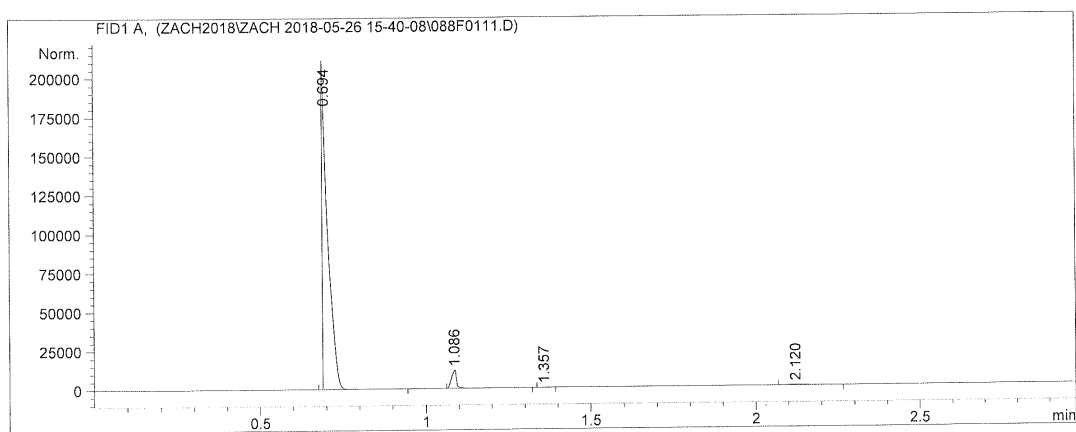
*** End of Report ***

3-Methoxy benzaldehyde: Sequence #2 – Run #11

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 15-40-08\088F0111.D
 Sample Name: 3-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 16:21:18              Inj       :   11
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 15-40-08\Z1.M
Last changed    : 5/24/2018 7:31:18 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.694	BB S	0.0174	2.43410e5	1.79327e5	95.12668
2	1.086	BB S	0.0166	1.17015e4	1.15276e4	4.57305
3	1.357	BB	0.0216	2.66897	1.85198	0.00104
4	2.120	BB	0.0442	765.66345	264.29791	0.29923

Totals : 2.55880e5 1.91120e5

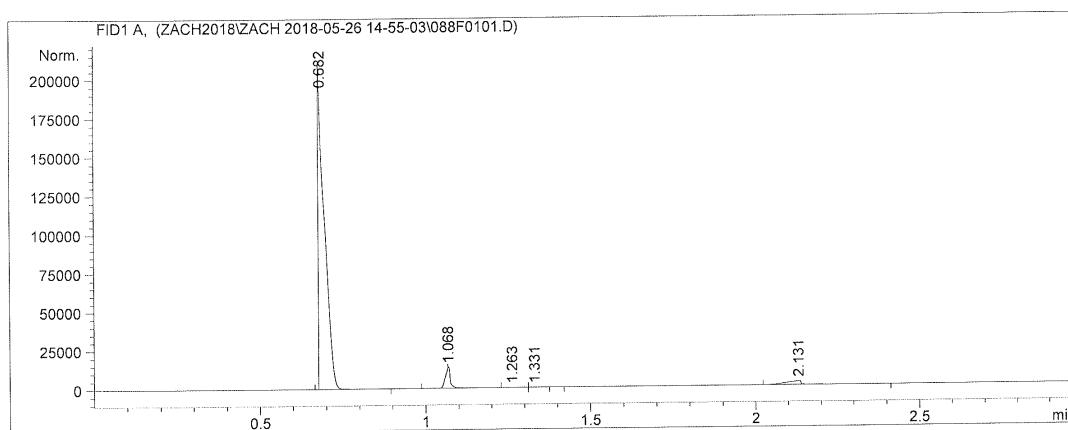
*** End of Report ***

3-Methoxy benzaldehyde: Sequence #3 – Run #1

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 14-55-03\088F0101.D
 Sample Name: 3-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 88
Injection Date  : 26-May-18, 14:56:04              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 14-55-03\Z1.M
Last changed    : 5/24/2018 7:31:18 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.682	BB S	0.0191	2.74359e5	1.91937e5	92.67773
2	1.068	BB S	0.0151	1.36982e4	1.34511e4	4.62722
3	1.263	PV T	0.0246	3.13887	1.77681	0.00106
4	1.331	PB T	0.0205	2.82671	2.09874	0.00095
5	2.131	BB	0.0432	7972.37305	2423.99951	2.69304

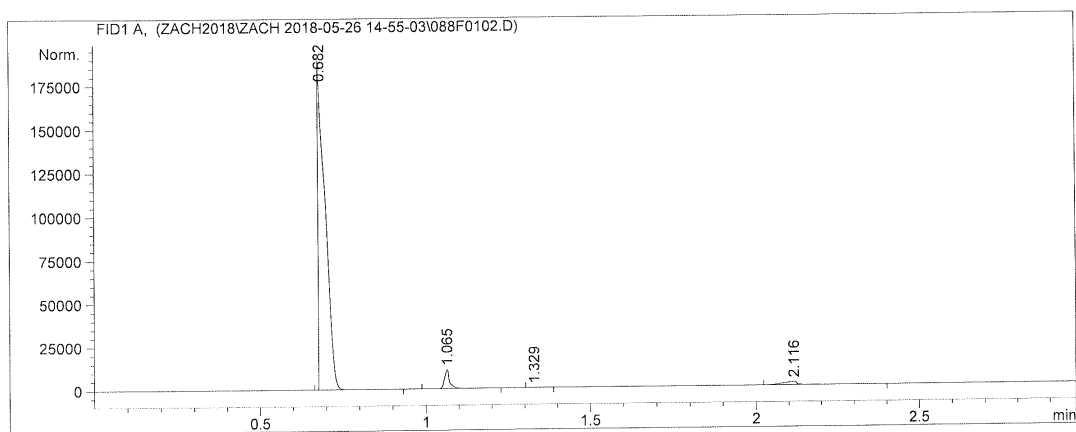
Totals : 2.96036e5 2.07816e5

*** End of Report ***

3-Methoxy benzaldehyde: Sequence #3 – Run #2

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 14-55-03\088F0102.D
Sample Name: 3-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 15:00:07              Inj       :    2
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 14-55-03\Z1.M
Last changed    : 5/24/2018 7:31:18 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.682	BB S	0.0209	2.83633e5	1.78724e5	94.23145
2	1.065	BB S	0.0162	1.14730e4	1.09875e4	3.81168
3	1.329	BB	0.0223	2.59637	1.81089	0.00086
4	2.116	BB	0.0411	5887.50928	1891.65601	1.95601

Totals : 3.00997e5 1.91605e5

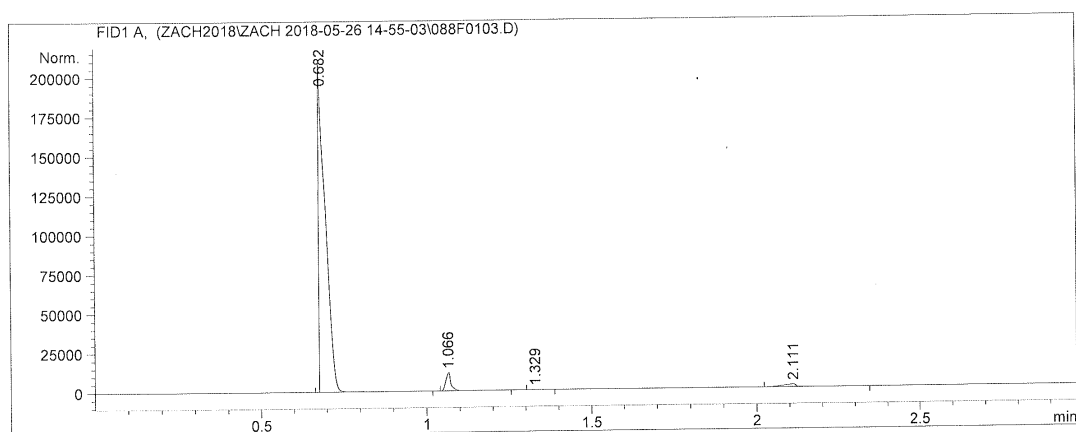
*** End of Report ***

3-Methoxy benzaldehyde: Sequence #3 – Run #3

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 14-55-03\088F0103.D
 Sample Name: 3-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 15:04:07              Inj       :    3
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 14-55-03\Z1.M
Last changed    : 5/24/2018 7:31:18 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.682	BB S	0.0205	2.97537e5	1.91603e5	94.50948
2	1.066	BB S	0.0175	1.22826e4	1.12780e4	3.90143
3	1.329	BB	0.0188	2.02389	1.69141	0.00064
4	2.111	BB	0.0455	5000.77979	1661.90845	1.58845

Totals : 3.14822e5 2.04545e5

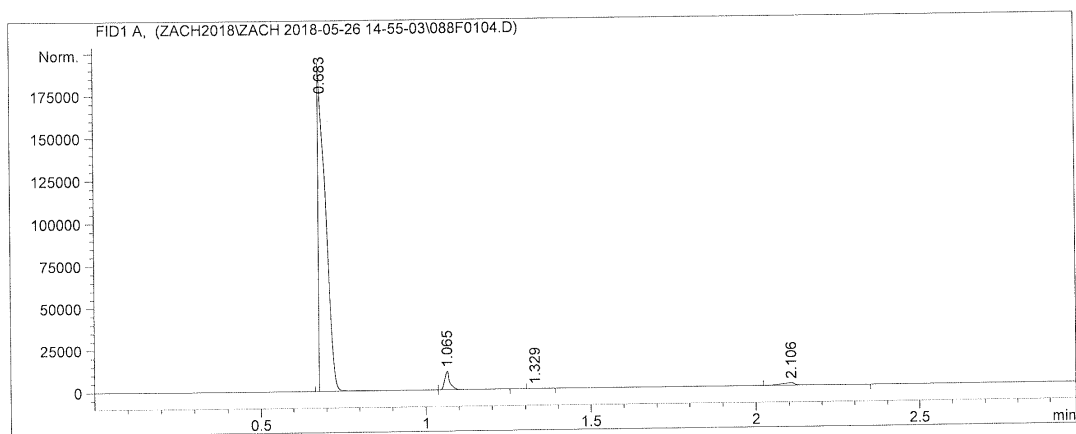
*** End of Report ***

3-Methoxy benzaldehyde: Sequence #3 – Run #4

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 14-55-03\088F0104.D
 Sample Name: 3-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 15:08:09              Inj       :    4
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 14-55-03\Z1.M
Last changed    : 5/24/2018 7:31:18 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.683	BV S	0.0226	2.99533e5	1.73178e5	94.87616
2	1.065	VB S	0.0167	1.18028e4	1.08322e4	3.73851
3	1.329	BB	0.0214	2.22312	1.64671	0.00070
4	2.106	BB	0.0442	4371.36914	1439.96594	1.38462

Totals : 3.15709e5 1.85452e5

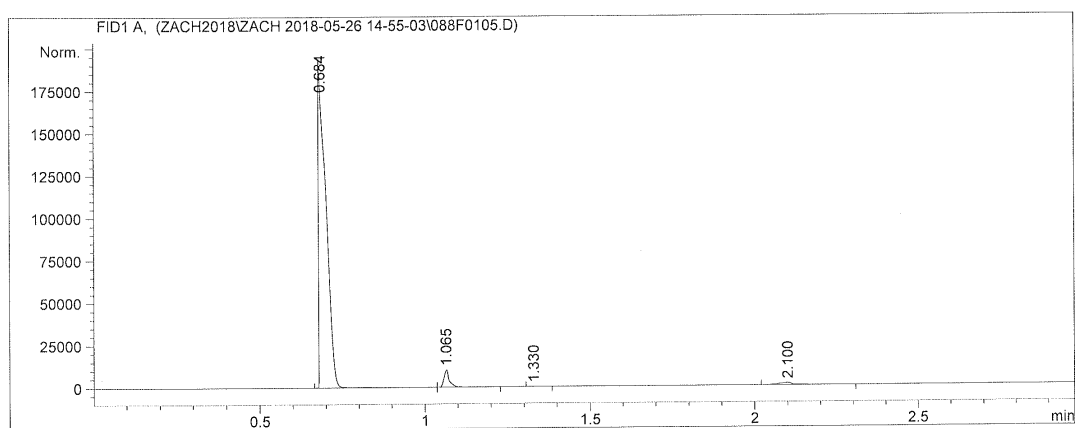
*** End of Report ***

3-Methoxy benzaldehyde: Sequence #3 – Run #5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 14-55-03\088F0105.D
Sample Name: 3-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 15:12:10              Inj       :    5
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 14-55-03\Z1.M
Last changed    : 5/24/2018 7:31:18 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.684	BV S	0.0227	2.98853e5	1.71917e5	95.37221
2	1.065	VB S	0.0159	1.10193e4	1.00943e4	3.51658
3	1.330	BB	0.0196	1.98896	1.57003	0.00063
4	2.100	BB	0.0465	3480.02197	1176.69727	1.11057

Totals : 3.13354e5 1.83190e5

*** End of Report ***

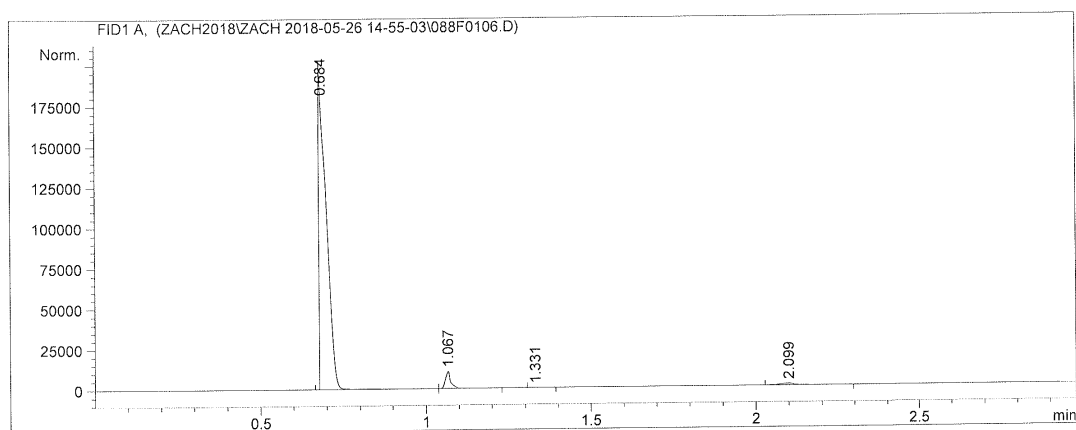
3-Methoxy benzaldehyde: Sequence #3 – Run #6

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 14-55-03\088F0106.D

Sample Name: 3-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 15:16:11              Inj       :    6
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 14-55-03\Z1.M
Last changed    : 5/24/2018 7:31:18 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.684	BV S	0.0224	3.06639e5	1.79090e5	95.47836
2	1.067	VB S	0.0166	1.14658e4	1.05830e4	3.57011
3	1.331	BB	0.0212	2.08822	1.56334	0.00065
4	2.099	BB	0.0451	3053.84326	1027.54297	0.95088

Totals : 3.21161e5 1.90702e5

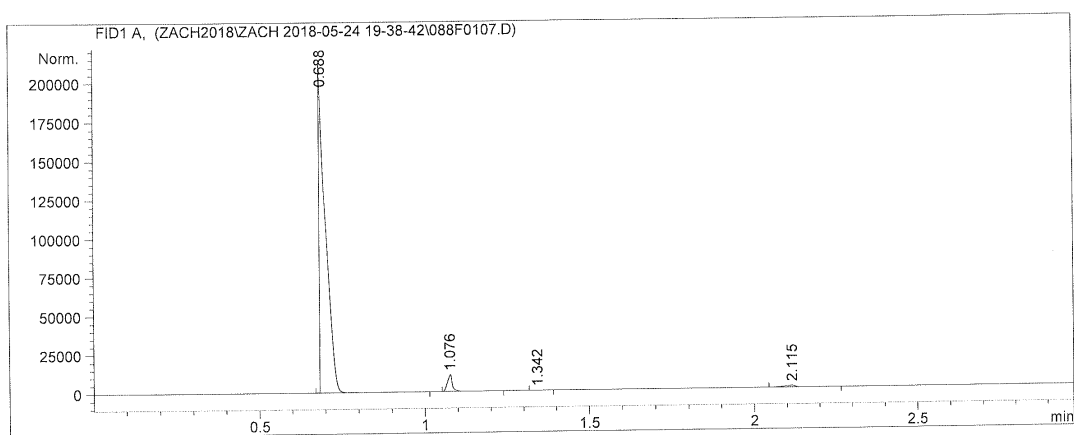
*** End of Report ***

3-Methoxy benzaldehyde: Sequence #3 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 19-38-42\088F0107.D
 Sample Name: 3-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 88
Injection Date  : 24-May-18, 20:03:49              Inj       :    7
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 19-38-42\Z1.M
Last changed    : 5/24/2018 7:31:18 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.688	BB S	0.0195	2.84371e5	1.94490e5	95.30082
2	1.076	BB S	0.0162	1.11991e4	1.07341e4	3.75315
3	1.342	BB	0.0205	2.61689	2.05357	0.00088
4	2.115	BB	0.0375	2820.26611	1115.17896	0.94515

```
Totals :                      2.98393e5  2.06342e5
```

```
=====
*** End of Report ***
=====
```

3-Methoxy benzaldehyde: Sequence #3 – Run #8

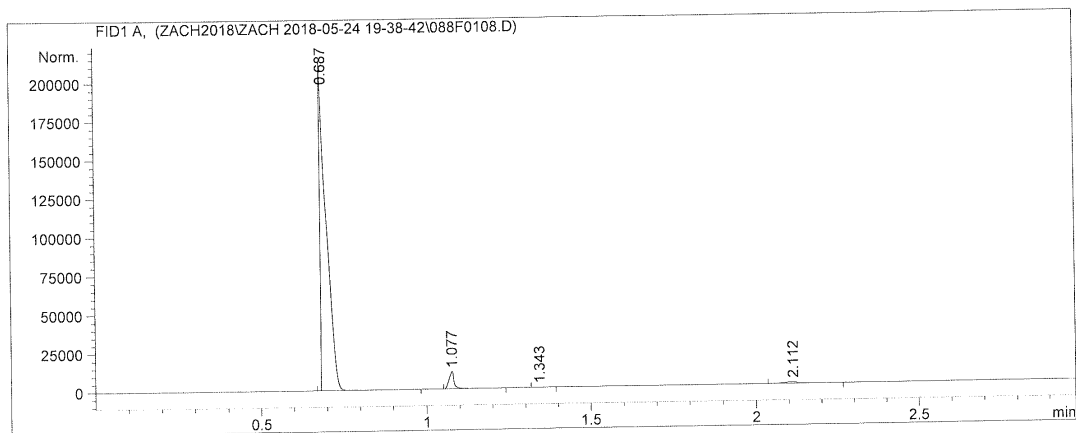
Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 19-38-42\088F0108.D

Sample Name: 3-methoxy

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-May-18, 20:07:52              Inj       :    8
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 19-38-42\Z1.M
Last changed    : 5/24/2018 7:31:18 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



Area Percent Report

```

=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====

```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.687	BB S	0.0190	2.78764e5	1.95580e5	95.20554
2	1.077	BB S	0.0172	1.16601e4	1.09289e4	3.98226
3	1.343	BB	0.0198	2.75179	2.14456	0.00094
4	2.112	BB	0.0407	2375.40430	940.54456	0.81127

Totals : 2.92802e5 2.07452e5

```

=====
*** End of Report ***
=====

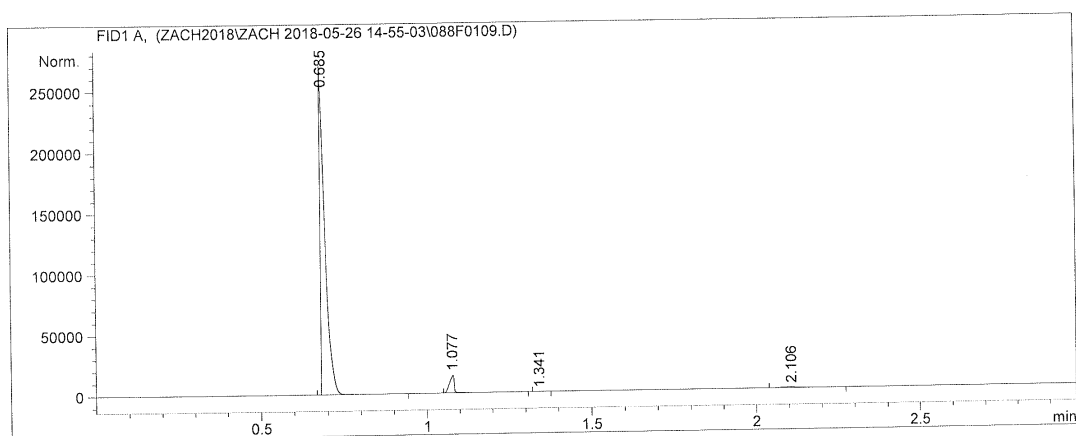
```

3-Methoxy benzaldehyde: Sequence #3 – Run #9

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 14-55-03\088F0109.D
 Sample Name: 3-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 15:28:15              Inj       :    9
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 14-55-03\Z1.M
Last changed    : 5/24/2018 7:31:18 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.685	BB S	0.0165	2.69077e5	2.50369e5	94.17368
2	1.077	BB S	0.0169	1.44749e4	1.49298e4	5.06603
3	1.341	BB	0.0204	2.89521	2.16590	0.00101
4	2.106	BB	0.0425	2169.42139	768.23523	0.75927

Totals : 2.85725e5 2.66069e5

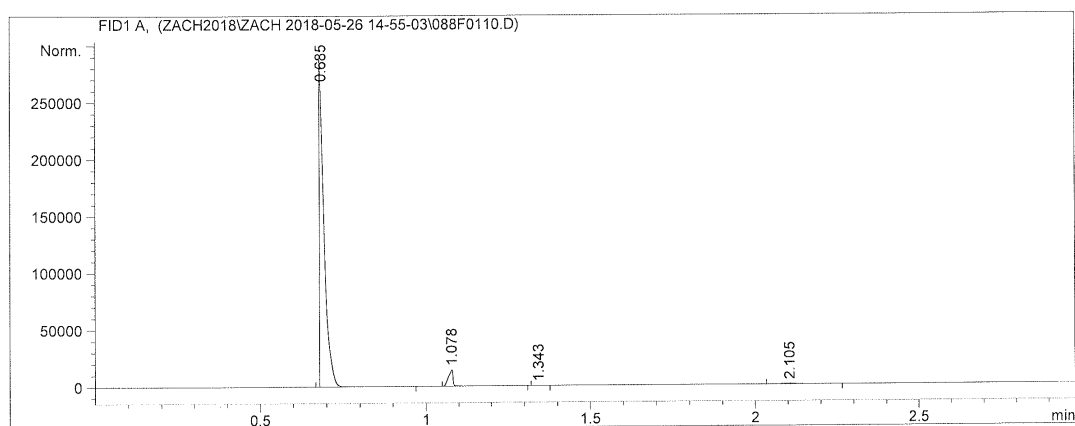
```
=====
*** End of Report ***
=====
```


3-Methoxy benzaldehyde: Sequence #3 – Run #10

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 14-55-03\088F0110.D
 Sample Name: 3-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 15:32:17              Inj       :   10
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 14-55-03\Z1.M
Last changed    : 5/24/2018 7:31:18 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.685	BB S	0.0154	2.75857e5	2.64736e5	94.70640
2	1.078	BB S	0.0168	1.36659e4	1.42149e4	4.69174
3	1.343	BB	0.0204	2.68023	2.00487	0.00092
4	2.105	BB	0.0437	1750.39331	627.70660	0.60094

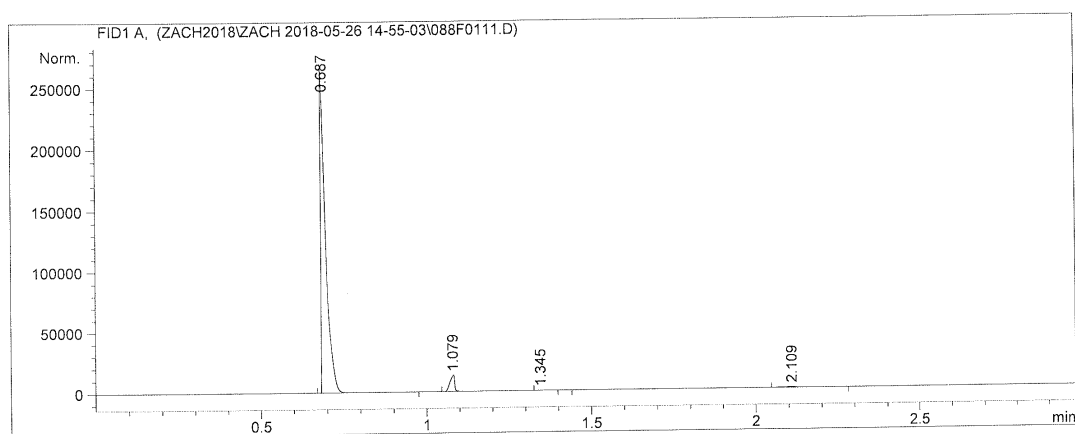
Totals : 2.91276e5 2.79580e5

*** End of Report ***

3-Methoxy benzaldehyde: Sequence #3 – Run #11

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 14-55-03\088F0111.D
 Sample Name: 3-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 15:36:18              Inj       :   11
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 14-55-03\Z1.M
Last changed    : 5/24/2018 7:31:18 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.687	BB S	0.0162	2.71928e5	2.43183e5	94.79554
2	1.079	BB S	0.0176	1.32787e4	1.28860e4	4.62902
3	1.345	PB T	0.0201	2.32198	1.87155	0.00081
4	2.109	BB	0.0442	1648.37488	569.64960	0.57463

Totals : 2.86857e5 2.56641e5

*** End of Report ***

2-Methoxy benzaldehyde: Sequence #1 – Run #1

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-27 22-38-01\088F0101.D

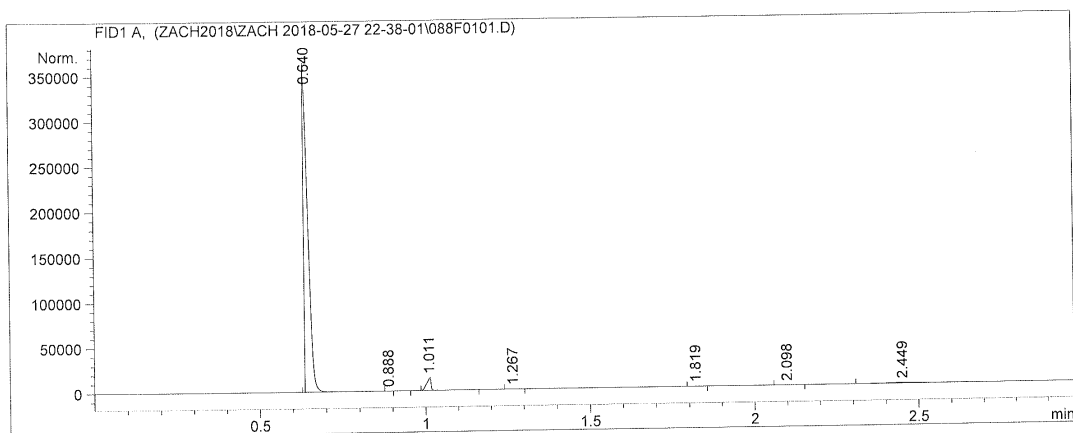
Sample Name: 2-methoxy

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 27-May-18, 22:39:00              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-27 22-38-01\Z1.M
Last changed    : 5/27/2018 10:38:00 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



Area Percent Report

```

=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====

```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.640	BB S	0.0150	3.23951e5	3.42715e5	94.43465
2	0.888	BB X	0.0132	1.78322	2.25225	0.00052
3	1.011	BB S	0.0131	1.28380e4	1.39583e4	3.74239
4	1.267	BB	0.0214	1.68837	1.18847	0.00049
5	1.819	BB	0.0200	2.44521	1.87705	0.00071
6	2.098	BB	0.0379	5.53787	2.10133	0.00161
7	2.449	BBA	0.1188	6242.06787	677.03027	1.81962

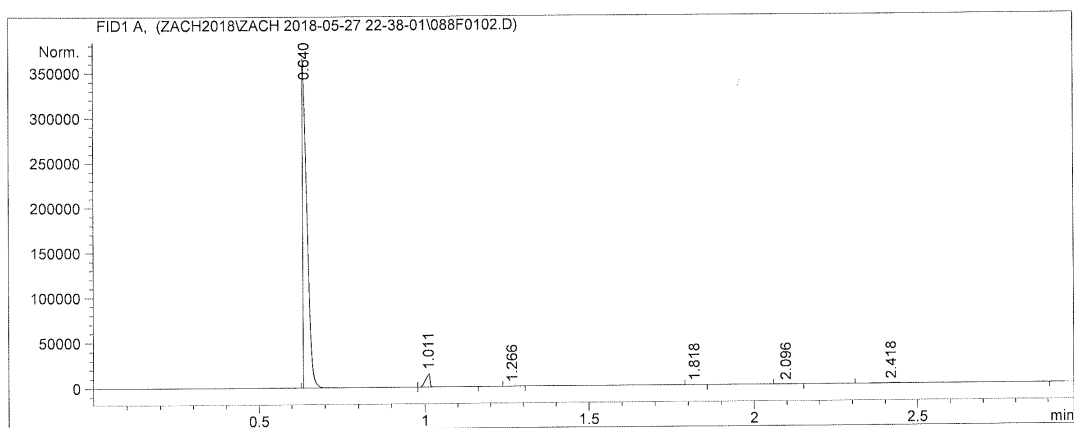
Totals : 3.43043e5 3.57358e5

2-Methoxy benzaldehyde: Sequence #1 – Run #2

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-27 22-38-01\088F0102.D
Sample Name: 2-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 88
Injection Date  : 27-May-18, 22:43:01              Inj       :    2
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-27 22-38-01\Z1.M
Last changed    : 5/27/2018 10:38:00 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

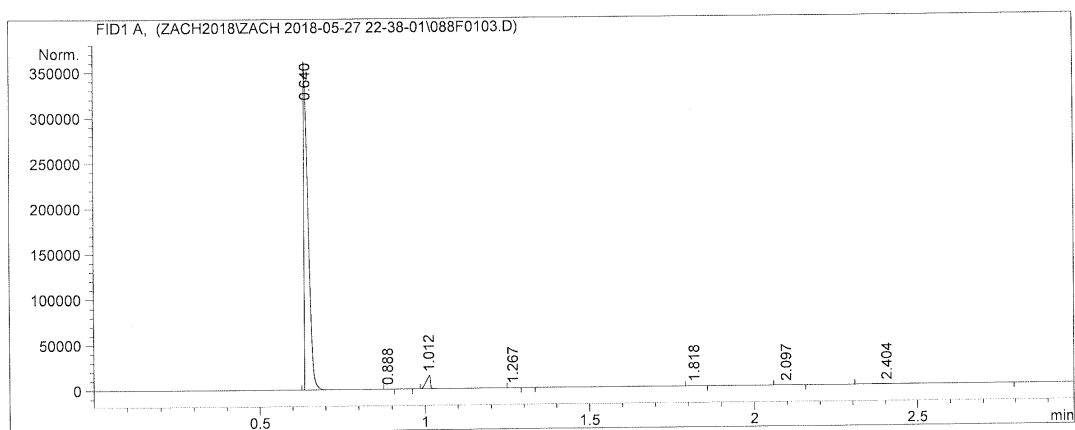
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.640	BV S	0.0150	3.26007e5	3.47042e5	95.12156
2	1.011	VB S	0.0155	1.31235e4	1.42752e4	3.82915
3	1.266	BB	0.0205	1.35449	1.06131	0.00040
4	1.818	BB	0.0215	2.45994	1.80709	0.00072
5	2.096	BB	0.0354	5.21503	2.16029	0.00152
6	2.418	BB	0.1125	3587.17432	406.54581	1.04666

Totals : 3.42726e5 3.61729e5

2-Methoxy benzaldehyde: Sequence #1 – Run #3

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-27 22-38-01\088F0103.D
 Sample Name: 2-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 27-May-18, 22:46:59              Inj       :    3
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-27 22-38-01\Z1.M
Last changed    : 5/27/2018 10:38:00 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.640	BB S	0.0160	3.23062e5	3.14614e5	95.50780
2	0.888	BB X	0.0136	2.25165	2.52195	0.00067
3	1.012	BB S	0.0134	1.32727e4	1.40929e4	3.92384
4	1.267	PB T	0.0216	1.57257	1.21568	0.00046
5	1.818	BB	0.0211	2.51015	1.89382	0.00074
6	2.097	BB	0.0362	5.55914	2.23985	0.00164
7	2.404	BB	0.1150	1910.61890	230.76419	0.56484

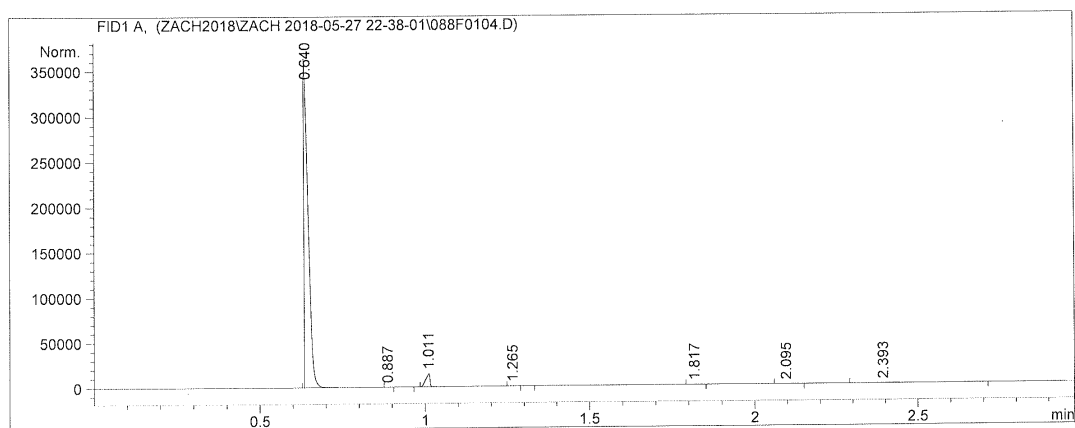
Totals : 3.38257e5 3.28945e5

2-Methoxy benzaldehyde: Sequence #1 – Run #4

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-27 22-38-01\088F0104.D
 Sample Name: 2-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 27-May-18, 22:51:00              Inj       :    4
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-27 22-38-01\Z1.M
Last changed    : 5/27/2018 10:38:00 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.640	BB S	0.0147	3.19475e5	3.47406e5	95.86418
2	0.887	BB X	0.0142	1.93946	2.26838	0.00058
3	1.011	BB S	0.0149	1.28342e4	1.48139e4	3.85113
4	1.265	PB T	0.0201	1.36246	1.12739	0.00041
5	1.817	BB	0.0204	2.56050	1.92051	0.00077
6	2.095	BB	0.0364	5.19252	2.13139	0.00156
7	2.393	BB	0.1032	937.70087	121.02730	0.28137

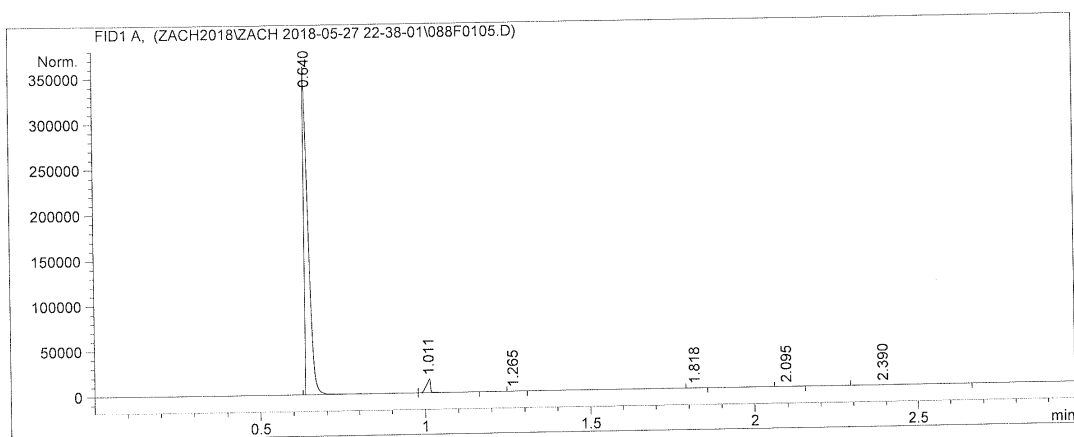
Totals : 3.33258e5 3.62349e5

2-Methoxy benzaldehyde: Sequence #1 – Run #5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-27 22-38-01\088F0105.D
 Sample Name: 2-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 88
Injection Date  : 27-May-18, 22:55:01              Inj       :    5
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-27 22-38-01\Z1.M
Last changed    : 5/27/2018 10:38:00 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.640	BV S	0.0147	3.21165e5	3.50083e5	95.88291
2	1.011	VB S	0.0128	1.31996e4	1.48436e4	3.94070
3	1.265	BB	0.0225	1.78652	1.23463	0.00053
4	1.818	BB	0.0211	2.57691	1.94224	0.00077
5	2.095	BB	0.0360	5.34189	2.22976	0.00159
6	2.390	BB	0.1023	581.13666	77.83002	0.17350

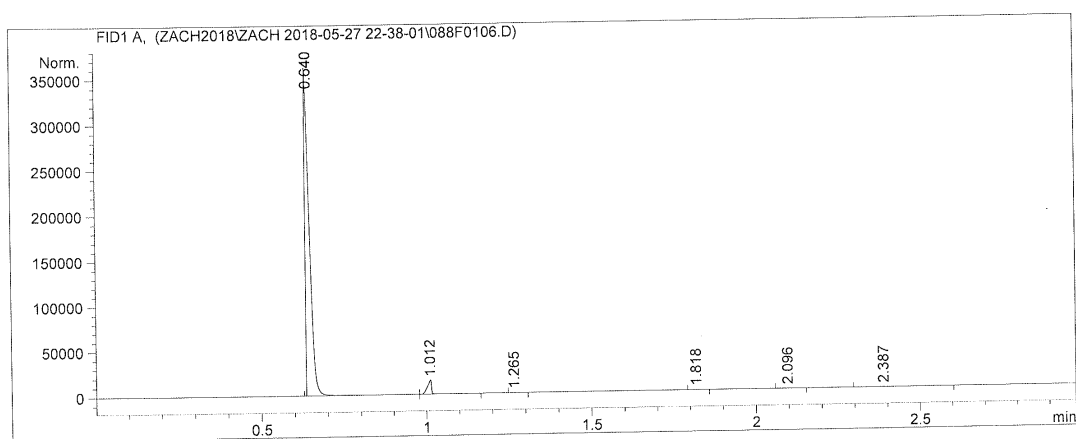
Totals : 3.34955e5 3.65010e5

2-Methoxy benzaldehyde: Sequence #1 – Run #6

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-27 22-38-01\088F0106.D
 Sample Name: 2-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 27-May-18, 22:59:02              Inj       :    6
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-27 22-38-01\Z1.M
Last changed    : 5/27/2018 10:38:00 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.640	BV S	0.0148	3.21499e5	3.46520e5	95.92111
2	1.012	VB S	0.0130	1.33740e4	1.47543e4	3.99021
3	1.265	BB	0.0226	1.83665	1.26004	0.00055
4	1.818	BB	0.0213	2.68212	1.99036	0.00080
5	2.096	BB	0.0363	5.46069	2.25323	0.00163
6	2.387	BB	0.0966	287.22955	41.57914	0.08570

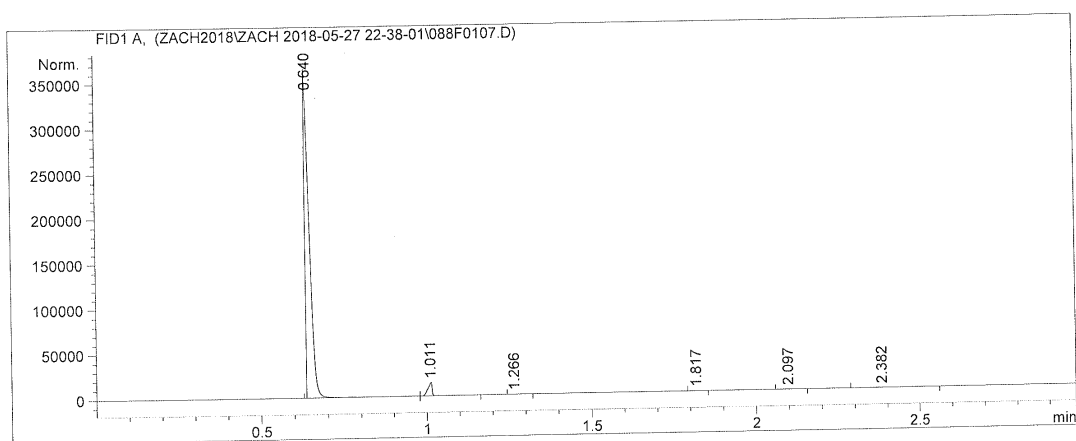
```
Totals :                      3.35171e5  3.61321e5
```


2-Methoxy benzaldehyde: Sequence #1 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-27 22-38-01\088F0107.D
 Sample Name: 2-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 27-May-18, 23:03:01              Inj       :    7
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-27 22-38-01\Z1.M
Last changed    : 5/27/2018 10:38:00 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.640	BV S	0.0149	3.27106e5	3.49264e5	96.09862
2	1.011	VB S	0.0129	1.31673e4	1.46446e4	3.86834
3	1.266	BB	0.0202	1.55805	1.17753	0.00046
4	1.817	BB	0.0210	2.59791	1.97001	0.00076
5	2.097	BB	0.0377	5.41184	2.18285	0.00159
6	2.382	BB	0.0940	102.89548	16.04580	0.03023

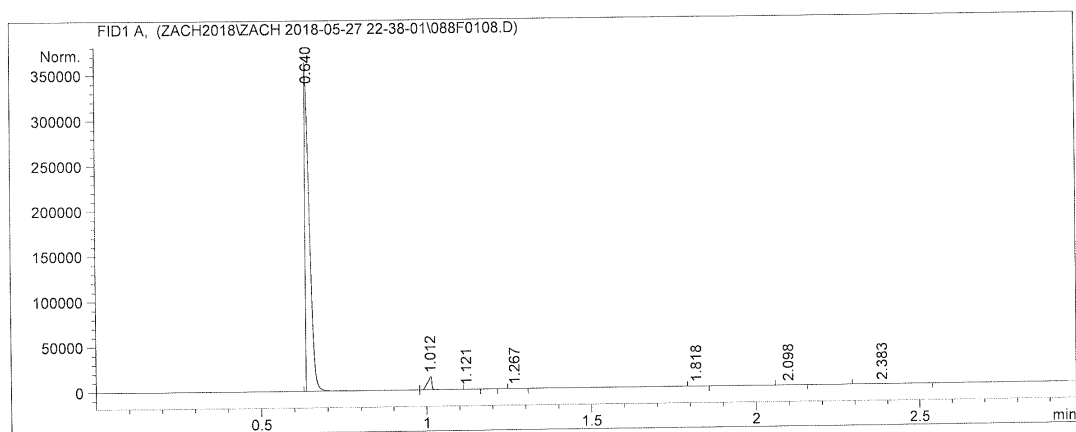
```
Totals :                      3.40385e5  3.63930e5
```

2-Methoxy benzaldehyde: Sequence #1 – Run #8

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-27 22-38-01\088F0108.D
 Sample Name: 2-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 27-May-18, 23:07:01              Inj       :    8
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-27 22-38-01\Z1.M
Last changed    : 5/27/2018 10:38:00 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.640	BV S	0.0148	3.25011e5	3.50913e5	96.10982
2	1.012	VB S	0.0132	1.30985e4	1.41547e4	3.87338
3	1.121	BB X	9.53e-3	1.44440	2.52579	0.00043
4	1.267	BB	0.0231	1.76883	1.18013	0.00052
5	1.818	BB	0.0213	2.61958	1.94497	0.00077
6	2.098	BB	0.0372	5.36610	2.14357	0.00159
7	2.383	BB	0.0871	45.60643	7.57016	0.01349

Totals : 3.38166e5 3.65083e5

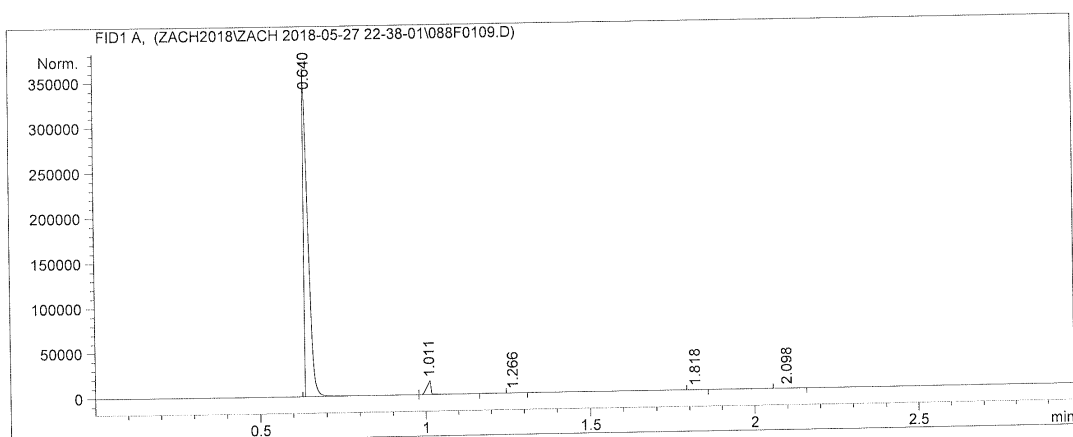
2-Methoxy benzaldehyde: Sequence #1 – Run #9

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-27 22-38-01\088F0109.D
 Sample Name: 2-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 27-May-18, 23:10:59              Inj       :    9
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-27 22-38-01\Z1.M
Last changed    : 5/27/2018 10:38:00 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)

Method Info     : Alditol lab.
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.640	BV S	0.0148	3.24718e5	3.50306e5	96.06676
2	1.011	VB S	0.0129	1.32849e4	1.47171e4	3.93030
3	1.266	BB	0.0225	1.77474	1.22346	0.00053
4	1.818	BB	0.0211	2.65898	1.99537	0.00079
5	2.098	BB	0.0381	5.51656	2.19810	0.00163

```
Totals :                      3.38012e5  3.65028e5
```

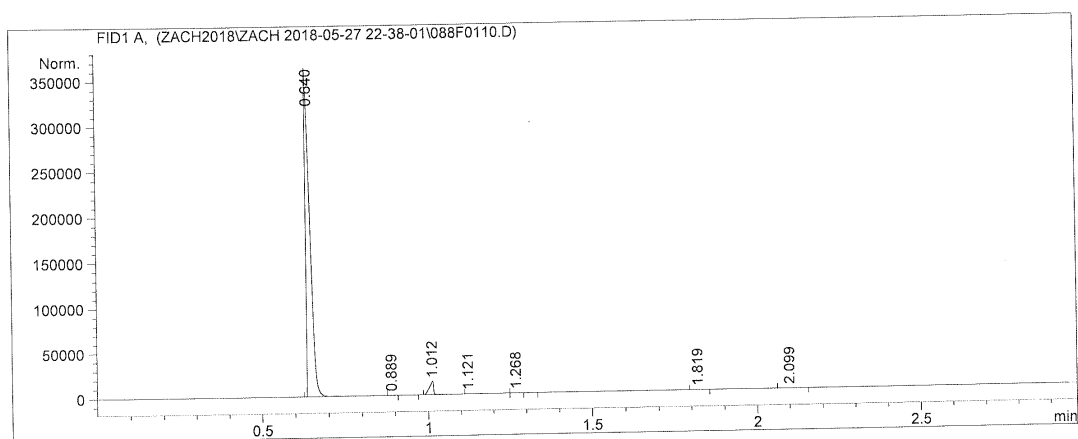
```
=====
*** End of Report ***
```

2-Methoxy benzaldehyde: Sequence #1 – Run #10

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-27 22-38-01\088F0110.D
Sample Name: 2-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 27-May-18, 23:14:59              Inj       :   10
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-27 22-38-01\Z1.M
Last changed    : 5/27/2018 10:38:00 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.640	BB S	0.0160	3.26304e5	3.16214e5	96.17402
2	0.889	BB X	0.0132	2.02219	2.35277	0.00060
3	1.012	BB S	0.0133	1.29561e4	1.38740e4	3.81866
4	1.121	BV T	0.0363	13.43317	6.16831	0.00396
5	1.268	PB T	0.0207	1.39360	1.12146	0.00041
6	1.819	BB	0.0203	2.62756	1.97257	0.00077
7	2.099	BB	0.0356	5.37081	2.14910	0.00158

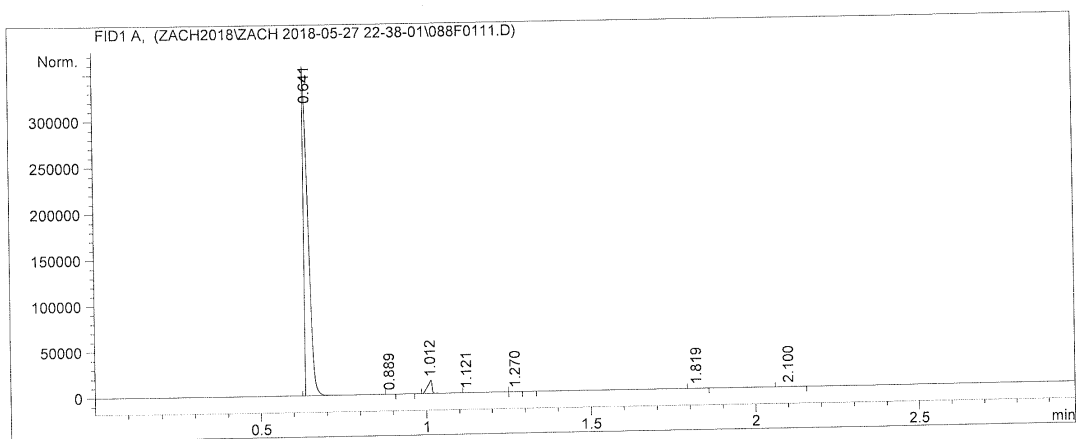
Totals : 3.39285e5 3.30102e5

2-Methoxy benzaldehyde: Sequence #1 – Run #11

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-27 22-38-01\088F0111.D
 Sample Name: 2-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 27-May-18, 23:18:57              Inj       :   11
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-27 22-38-01\Z1.M
Last changed    : 5/27/2018 10:38:00 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.641	BB S	0.0170	3.28075e5	3.13027e5	96.12872
2	0.889	BB X	0.0141	2.08008	2.23073	0.00061
3	1.012	BB S	0.0138	1.31828e4	1.34717e4	3.86266
4	1.121	BV T	0.0433	18.02713	6.93721	0.00528
5	1.270	PB T	0.0204	1.30361	1.02986	0.00038
6	1.819	BB	0.0208	2.61848	1.90421	0.00077
7	2.100	BB	0.0375	5.38871	2.13118	0.00158

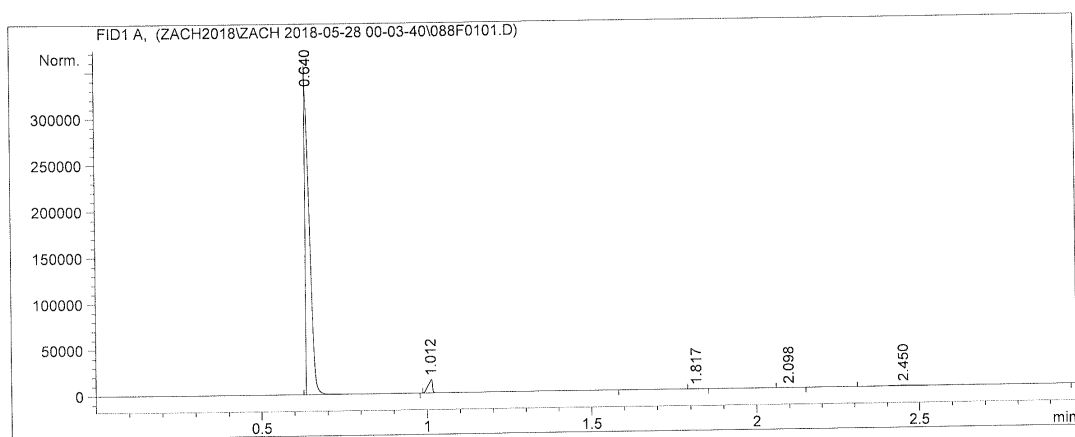
Totals : 3.41288e5 3.26513e5

2-Methoxy benzaldehyde: Sequence #2 – Run #1

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 00-03-40\088F0101.D
 Sample Name: 2-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 28-May-18, 00:04:41              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 00-03-40\Z1.M
Last changed    : 5/27/2018 10:38:00 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.640	BB S	0.0149	3.15284e5	3.36683e5	94.55604
2	1.012	BB S	0.0132	1.30011e4	1.40502e4	3.89914
3	1.817	BB	0.0211	2.52506	1.90525	0.00076
4	2.098	BB	0.0333	5.23924	2.08706	0.00157
5	2.450	BB	0.1188	5143.21240	574.55157	1.54249

```
Totals :                      3.33436e5  3.51312e5
```

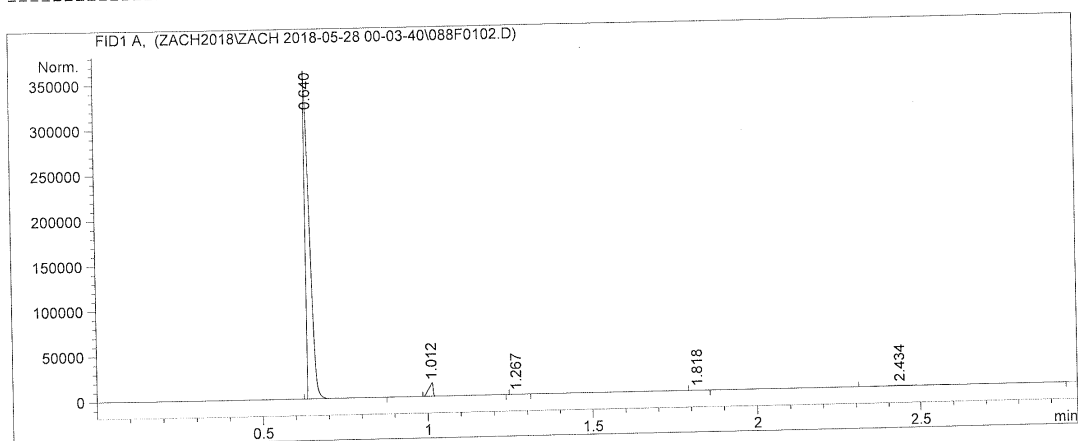
```
=====
*** End of Report ***
```

2-Methoxy benzaldehyde: Sequence #2 – Run #2

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 00-03-40\088F0102.D
 Sample Name: 2-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 28-May-18, 00:08:40              Inj       :    2
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 00-03-40\Z1.M
Last changed    : 5/27/2018 10:38:00 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By       :      Signal
Multiplier      :      1.0000
Dilution        :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.640	BB S	0.0160	3.23775e5	3.15779e5	94.65032
2	1.012	BB S	0.0138	1.35056e4	1.38317e4	3.94816
3	1.267	BB	0.0222	1.63491	1.20637	0.00048
4	1.818	BB	0.0200	2.53918	2.05414	0.00074
5	2.434	BB	0.1202	4790.07227	520.41711	1.40030

```
Totals :                      3.42075e5  3.30135e5
```

```
=====
*** End of Report ***
```

Instrument 1 7/6/2018 9:59:13 PM Zach Taylor

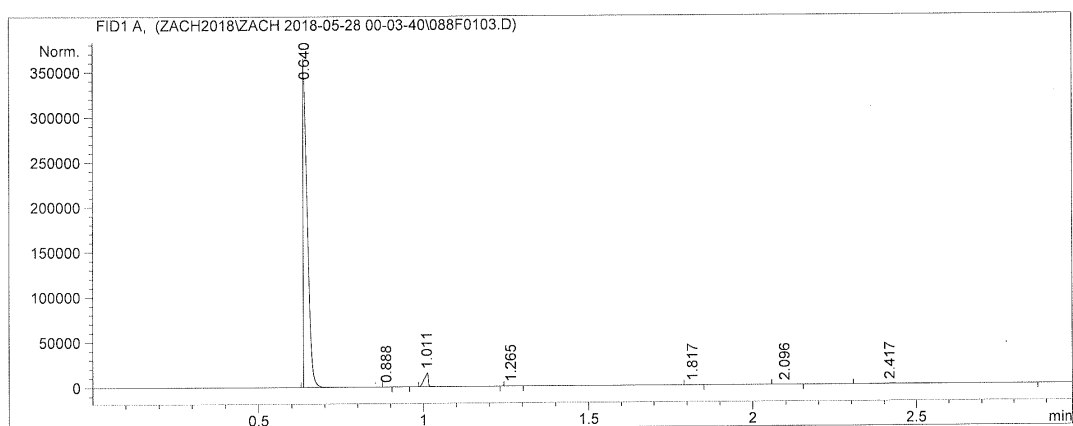
Page 1 of 1

2-Methoxy benzaldehyde: Sequence #2 – Run #3

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 00-03-40\088F0103.D
 Sample Name: 2-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 28-May-18, 00:12:41              Inj       :    3
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 00-03-40\Z1.M
Last changed    : 5/27/2018 10:38:00 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.640	BB S	0.0148	3.20279e5	3.45358e5	95.12466
2	0.888	BB X	0.0138	1.73989	2.10081	0.00052
3	1.011	BB S	0.0127	1.31769e4	1.48638e4	3.91362
4	1.265	BB	0.0201	1.61069	1.16755	0.00048
5	1.817	BB	0.0197	2.34545	1.83562	0.00070
6	2.096	BB	0.0362	5.15700	2.07165	0.00153
7	2.417	BB	0.1216	3227.20361	359.36780	0.95850

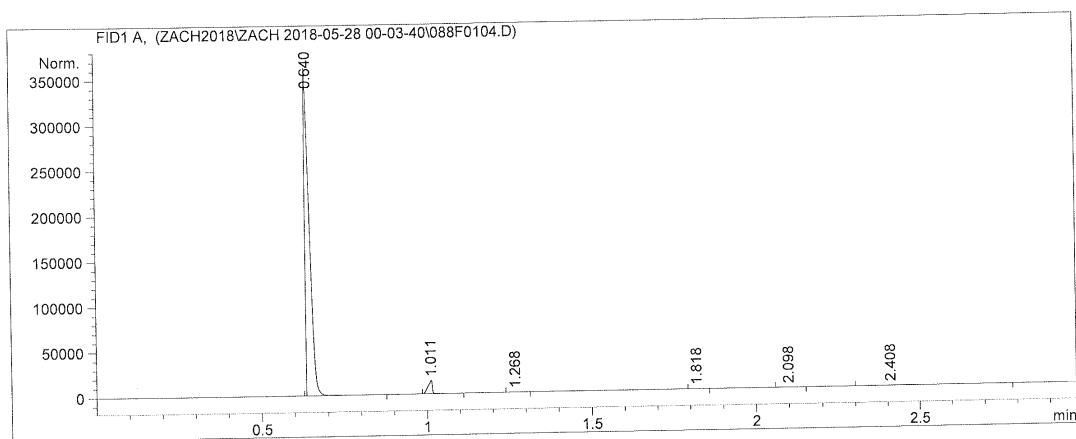
Totals : 3.36694e5 3.60588e5

2-Methoxy benzaldehyde: Sequence #2 – Run #4

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 00-03-40\088F0104.D
 Sample Name: 2-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 28-May-18, 00:16:41              Inj       :    4
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 00-03-40\Z1.M
Last changed    : 5/27/2018 10:38:00 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.640	BB S	0.0150	3.30102e5	3.49816e5	95.64945
2	1.011	BB S	0.0133	1.32284e4	1.42073e4	3.83302
3	1.268	BB	0.0225	1.58739	1.09334	0.00046
4	1.818	BB	0.0212	2.62381	1.96546	0.00076
5	2.098	BB	0.0365	5.22390	2.07735	0.00151
6	2.408	BB	0.1160	1776.63574	207.32927	0.51479

```
Totals :                      3.45116e5  3.64235e5
```

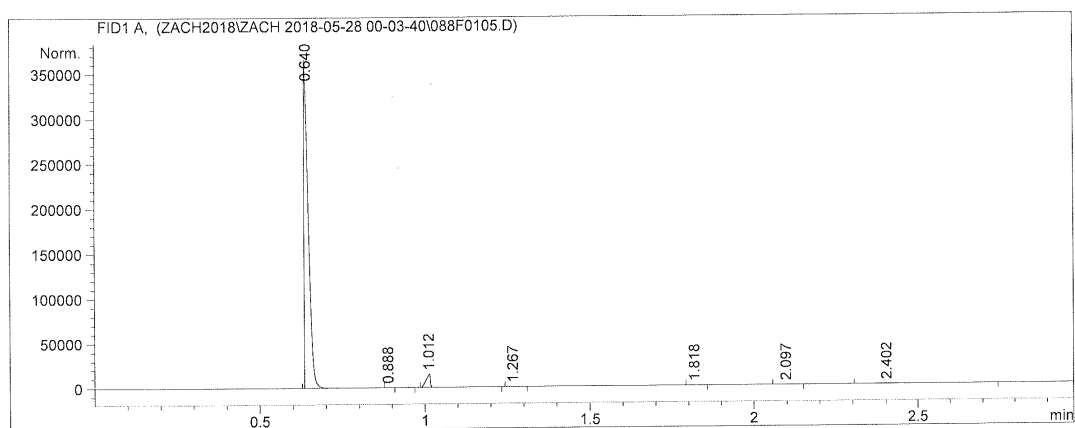
2-Methoxy benzaldehyde: Sequence #2 – Run #5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 00-03-40\088F0105.D

Sample Name: 2-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 28-May-18, 00:20:42              Inj       :    5
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 00-03-40\Z1.M
Last changed    : 5/27/2018 10:38:00 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.640	BB S	0.0148	3.25398e5	3.51467e5	95.73406
2	0.888	BB X	0.0120	2.01527	2.44354	0.00059
3	1.012	BB S	0.0132	1.33364e4	1.43591e4	3.92364
4	1.267	BB	0.0232	1.65381	1.14537	0.00049
5	1.818	BB	0.0212	2.66325	1.98767	0.00078
6	2.097	BB	0.0374	5.22460	2.07193	0.00154
7	2.402	BB	0.1163	1151.90210	138.41849	0.33890

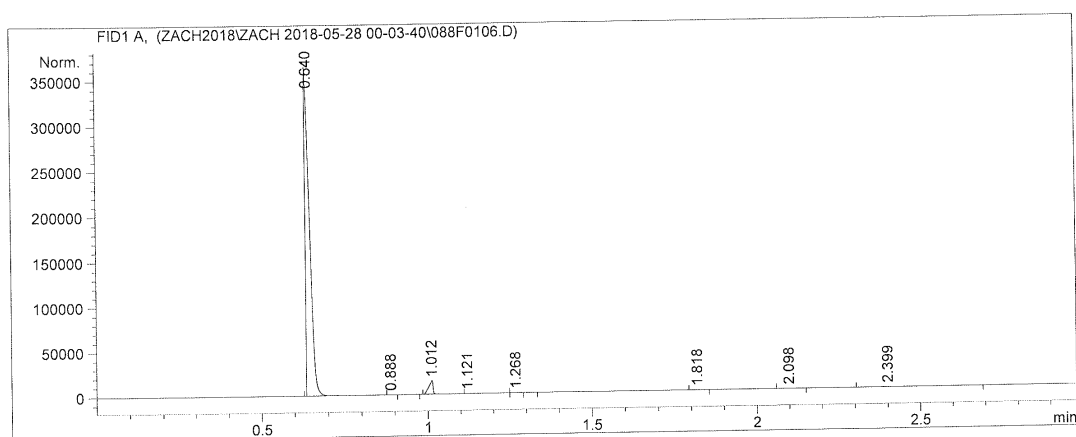
Totals : 3.39898e5 3.65972e5

2-Methoxy benzaldehyde: Sequence #2 – Run #6

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 00-03-40\088F0106.D
 Sample Name: 2-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 28-May-18, 00:24:42              Inj       :    6
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 00-03-40\Z1.M
Last changed    : 5/27/2018 10:38:00 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.640	BB S	0.0149	3.27272e5	3.48910e5	95.87379
2	0.888	BB X	0.0148	1.98657	2.23189	0.00058
3	1.012	BB S	0.0131	1.33333e4	1.44920e4	3.90598
4	1.121	BV T	0.0397	17.11764	7.19224	0.00501
5	1.268	PB T	0.0219	1.43316	1.09166	0.00042
6	1.818	BB	0.0201	2.61107	1.99245	0.00076
7	2.098	BB	0.0357	5.22471	2.07820	0.00153
8	2.399	BB	0.1076	723.41266	91.32290	0.21192

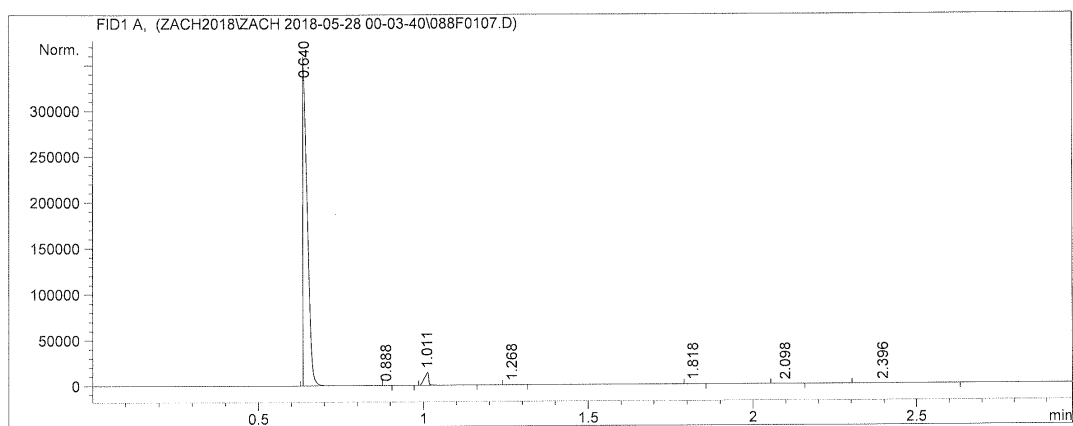
Totals : 3.41357e5 3.63508e5

2-Methoxy benzaldehyde: Sequence #2 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 00-03-40\088F0107.D
 Sample Name: 2-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 28-May-18, 00:28:42              Inj       :    7
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 00-03-40\Z1.M
Last changed    : 5/27/2018 10:38:00 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.640	BB S	0.0151	3.28628e5	3.46347e5	96.07496
2	0.888	BB X	0.0157	1.77266	1.87611	0.00052
3	1.011	BB S	0.0133	1.30382e4	1.39520e4	3.81173
4	1.268	BB	0.0227	1.54179	1.04912	0.00045
5	1.818	BB	0.0219	2.57359	1.84544	0.00075
6	2.098	BB	0.0396	5.31214	2.01420	0.00155
7	2.396	BB	0.0997	376.39600	50.52690	0.11004

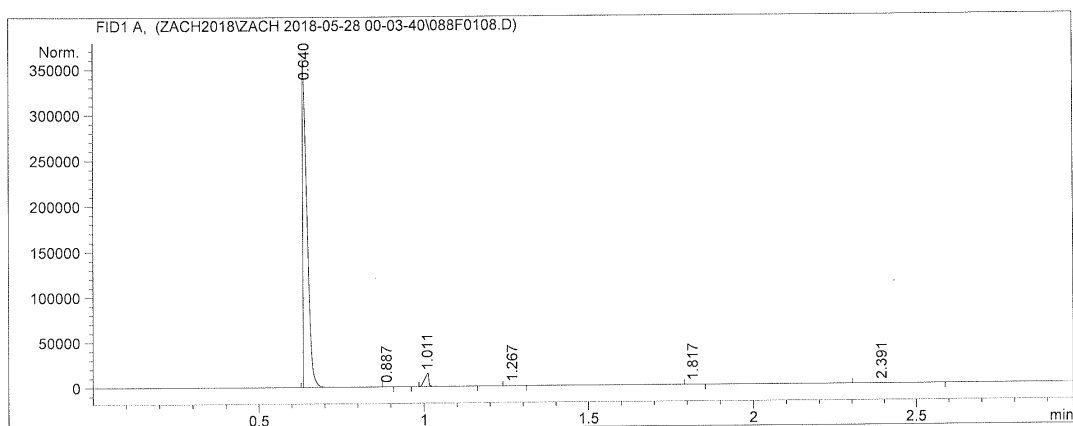
Totals : 3.42054e5 3.60356e5

2-Methoxy benzaldehyde: Sequence #2 – Run #8

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 00-03-40\088F0108.D

Sample Name: 2-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 28-May-18, 00:32:42              Inj       :    8
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 00-03-40\Z1.M
Last changed    : 5/27/2018 10:38:00 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.640	BB S	0.0149	3.21076e5	3.42367e5	96.04945
2	0.887	BB X	0.0146	1.98193	2.26452	0.00059
3	1.011	BB S	0.0145	1.30239e4	1.33944e4	3.89610
4	1.267	BB	0.0222	1.48328	1.04130	0.00044
5	1.817	BB	0.0215	2.57855	1.89113	0.00077
6	2.391	BB	0.0926	175.98863	25.47603	0.05265

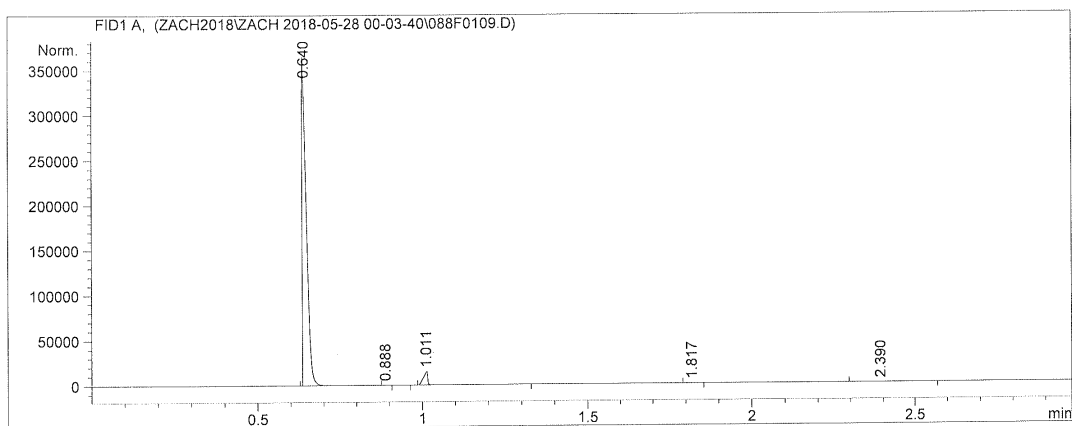
Totals : 3.34282e5 3.55792e5

2-Methoxy benzaldehyde: Sequence #2 – Run #9

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 00-03-40\088F0109.D
 Sample Name: 2-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 88
Injection Date  : 28-May-18, 00:36:43              Inj       :    9
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 00-03-40\Z1.M
Last changed    : 5/27/2018 10:38:00 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.640	BB S	0.0148	3.22125e5	3.47599e5	96.05005
2	0.888	BB X	0.0123	2.03047	2.40094	0.00061
3	1.011	BB S	0.0129	1.31561e4	1.46129e4	3.92284
4	1.817	BB	0.0210	2.55950	1.94285	0.00076
5	2.390	BB	0.0930	86.30968	13.07674	0.02574

Totals : 3.35372e5 3.62229e5

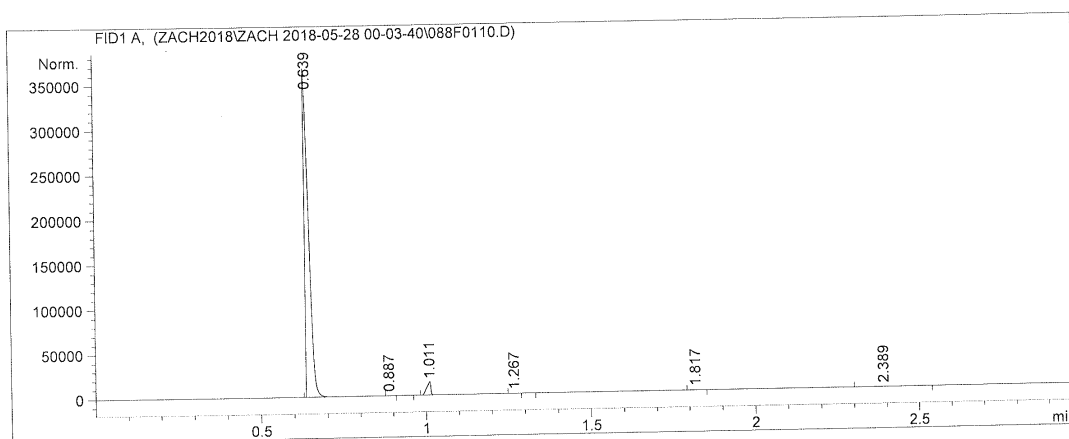
*** End of Report ***

2-Methoxy benzaldehyde: Sequence #2 – Run #10

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 00-03-40\088F0110.D
Sample Name: 2-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 28-May-18, 00:40:42              Inj       :   10
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 00-03-40\Z1.M
Last changed    : 5/27/2018 10:38:00 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.639	BB S	0.0149	3.21520e5	3.43253e5	96.09713
2	0.887	BB X	0.0147	2.01508	2.27695	0.00060
3	1.011	BB S	0.0160	1.30141e4	1.35342e4	3.88969
4	1.267	PB T	0.0202	1.26787	1.01334	0.00038
5	1.817	BB	0.0201	2.55293	1.94506	0.00076
6	2.389	BB	0.0880	38.23143	6.19901	0.01143

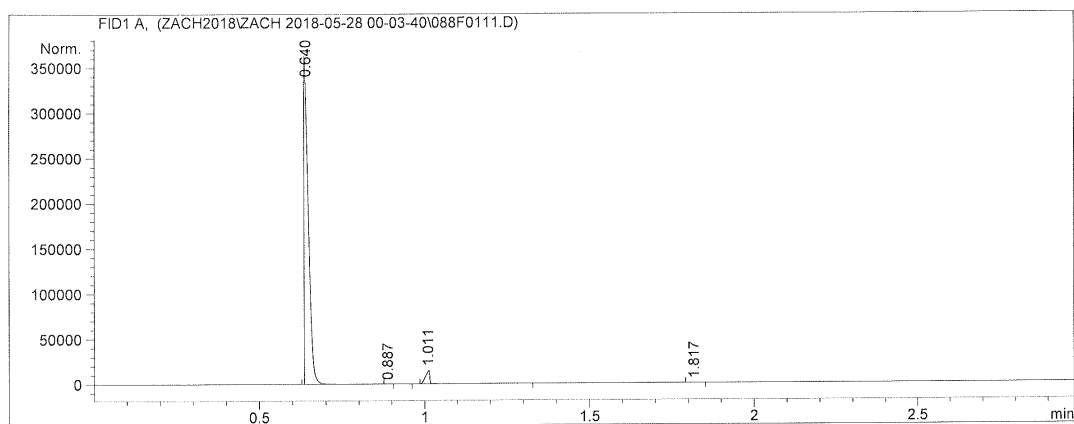
Totals : 3.34578e5 3.56799e5

2-Methoxy benzaldehyde: Sequence #2 – Run #11

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 00-03-40\088F0111.D

Sample Name: 2-methoxy

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 28-May-18, 00:44:42              Inj       :   11
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 00-03-40\Z1.M
Last changed    : 5/27/2018 10:38:00 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.640	BB S	0.0148	3.16744e5	3.42812e5	96.04456
2	0.887	BB X	0.0144	1.94071	2.25313	0.00059
3	1.011	BB S	0.0148	1.30401e4	1.51834e4	3.95409
4	1.817	BB	0.0201	2.51550	1.92201	0.00076

Totals : 3.29788e5 3.58000e5

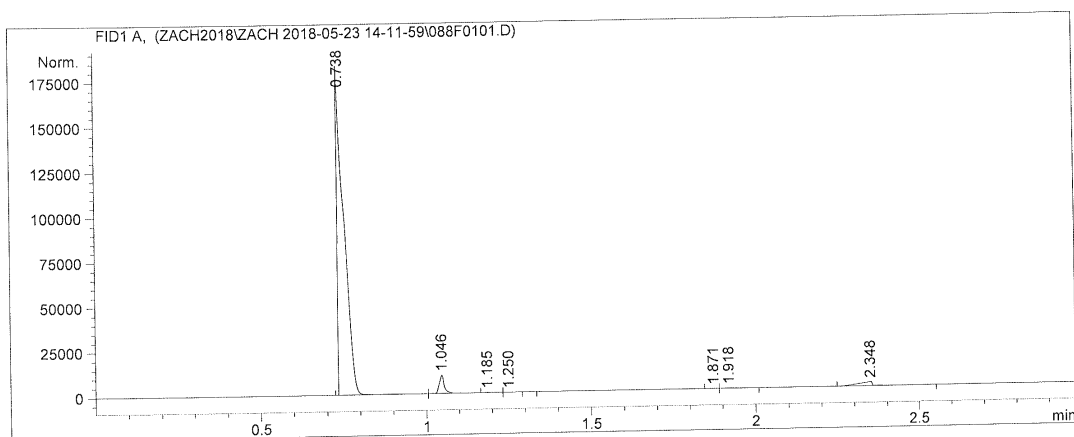
*** End of Report ***

trans-Cinnamaldehyde: Sequence #1 – Run #1

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-23 14-11-59\088F0101.D
 Sample Name: t-cinnama

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 88
Injection Date  : 23-May-18, 14:13:00              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-23 14-11-59\Z1.M
Last changed    : 5/23/2018 2:06:46 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

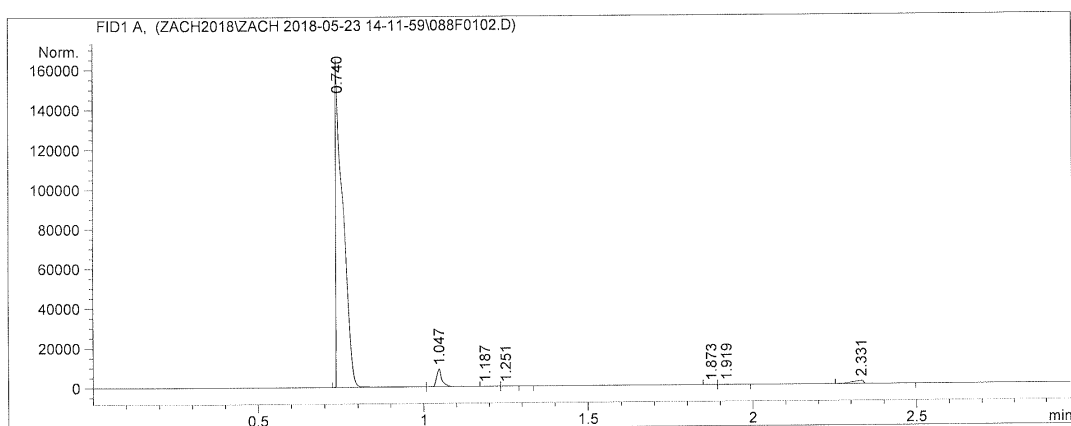
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.738	BV S	0.0203	2.63233e5	1.71314e5	93.82673
2	1.046	VB S	0.0164	1.06854e4	1.00503e4	3.80871
3	1.185	BV X	0.0179	27.61547	23.25665	0.00984
4	1.250	VB X	0.0192	4.98283	3.83537	0.00178
5	1.871	BV	0.0221	13.01270	9.17838	0.00464
6	1.918	VB	0.0283	114.43707	60.89322	0.04079
7	2.348	BB	0.0394	6473.76221	2181.01270	2.30751

Totals : 2.80552e5 1.83642e5

trans-Cinnamaldehyde: Sequence #1 – Run #2

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-23 14-11-59\088F0102.D
 Sample Name: t-cinnama

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 23-May-18, 14:17:03              Inj       :    2
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-23 14-11-59\Z1.M
Last changed    : 5/23/2018 2:06:46 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.740	BV S	0.0214	2.47451e5	1.46031e5	94.73062
2	1.047	VB S	0.0181	9914.11914	8724.21777	3.79538
3	1.187	BV X	0.0195	7.53892	5.68727	0.00289
4	1.251	VB X	0.0197	4.51941	3.36619	0.00173
5	1.873	BV	0.0223	6.85271	4.80011	0.00262
6	1.919	VB	0.0284	60.92266	32.26930	0.02332
7	2.331	BB	0.0348	3770.46509	1548.49951	1.44343

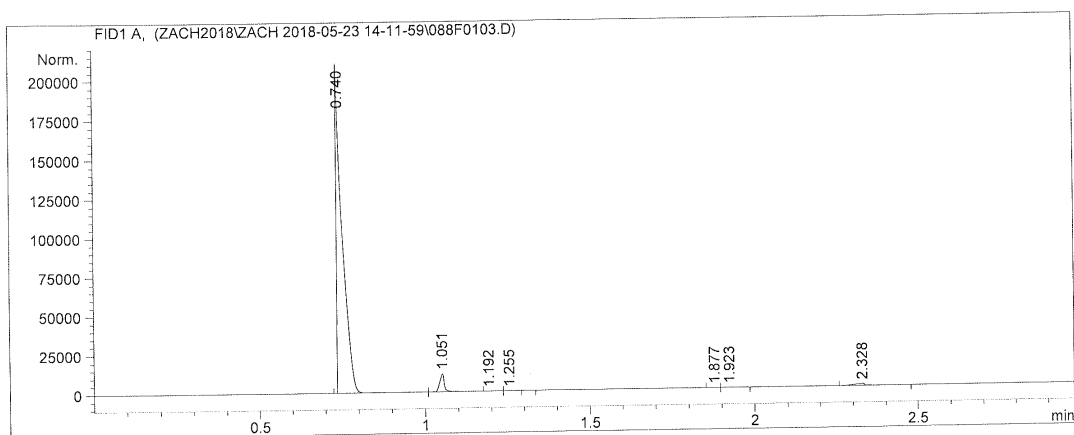
Totals : 2.61215e5 1.56350e5

trans-Cinnamaldehyde: Sequence #1 – Run #3

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-23 14-11-59\088F0103.D
 Sample Name: t-cinnama

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 88
Injection Date  : 23-May-18, 14:21:02              Inj       :    3
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-23 14-11-59\Z1.M
Last changed    : 5/23/2018 2:06:46 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.740	BV S	0.0186	2.61123e5	1.79428e5	94.96937
2	1.051	VB S	0.0143	1.10149e4	1.16084e4	4.00608
3	1.192	BV X	0.0182	5.31305	4.35597	0.00193
4	1.255	VB X	0.0180	5.30691	4.43764	0.00193
5	1.877	BV	0.0208	6.94896	5.07025	0.00253
6	1.923	VB	0.0265	40.01609	23.18214	0.01455
7	2.328	BB	0.0306	2759.46558	1248.78357	1.00361

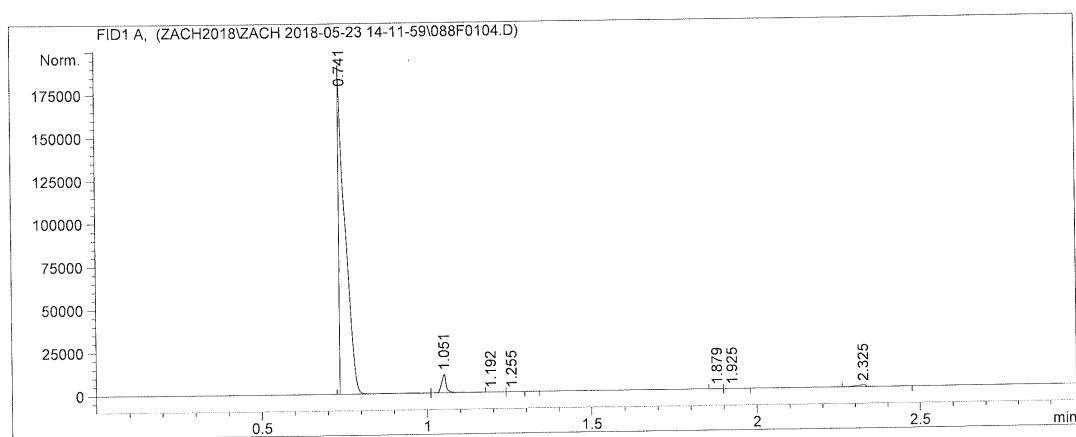
Totals : 2.74955e5 1.92322e5

trans-Cinnamaldehyde: Sequence #1 – Run #4

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-23 14-11-59\088F0104.D
 Sample Name: t-cinnama

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 23-May-18, 14:25:06              Inj       :    4
                                                Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-23 14-11-59\Z1.M
Last changed    : 5/23/2018 2:06:46 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.741	BV S	0.0192	2.56423e5	1.78532e5	95.30441
2	1.051	VB S	0.0145	1.03432e4	1.07017e4	3.84424
3	1.192	BV X	0.0192	5.46389	4.19666	0.00203
4	1.255	VB X	0.0182	5.04571	4.13938	0.00188
5	1.879	BV	0.0216	6.08279	4.43354	0.00226
6	1.925	VB	0.0259	31.51264	18.12484	0.01171
7	2.325	BB	0.0317	2242.51001	1035.97400	0.83347

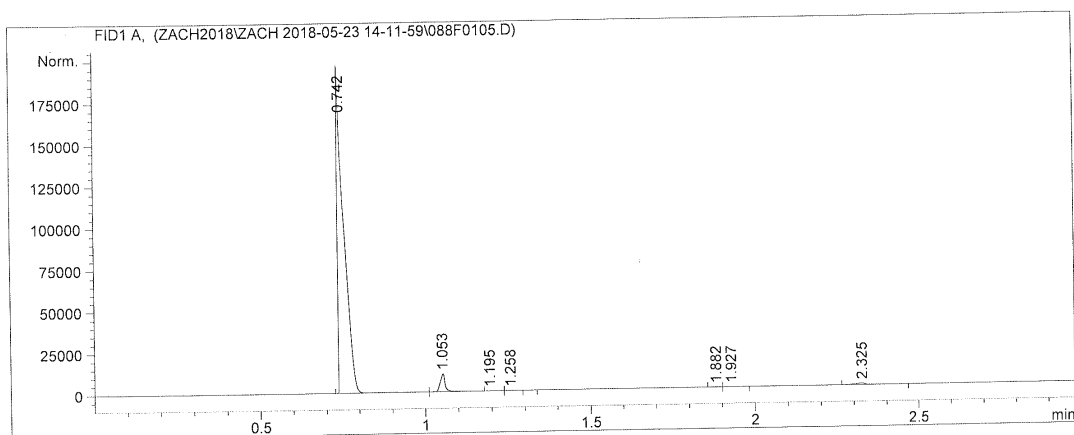
Totals : 2.69057e5 1.90301e5

trans-Cinnamaldehyde: Sequence #1 – Run #5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-23 14-11-59\088F0105.D
 Sample Name: t-cinnama

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 88
Injection Date  : 23-May-18, 14:29:07              Inj       :    5
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-23 14-11-59\Z1.M
Last changed    : 5/23/2018 2:06:46 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.742	BV S	0.0207	2.60849e5	1.66190e5	95.27869
2	1.053	VB S	0.0161	1.09631e4	1.05270e4	4.00443
3	1.195	BV X	0.0187	4.66137	3.70597	0.00170
4	1.258	VB X	0.0185	5.30282	4.25904	0.00194
5	1.882	BV	0.0217	5.81496	4.22684	0.00212
6	1.927	VB	0.0261	25.94579	14.78636	0.00948
7	2.325	BB	0.0328	1920.91138	873.85950	0.70164

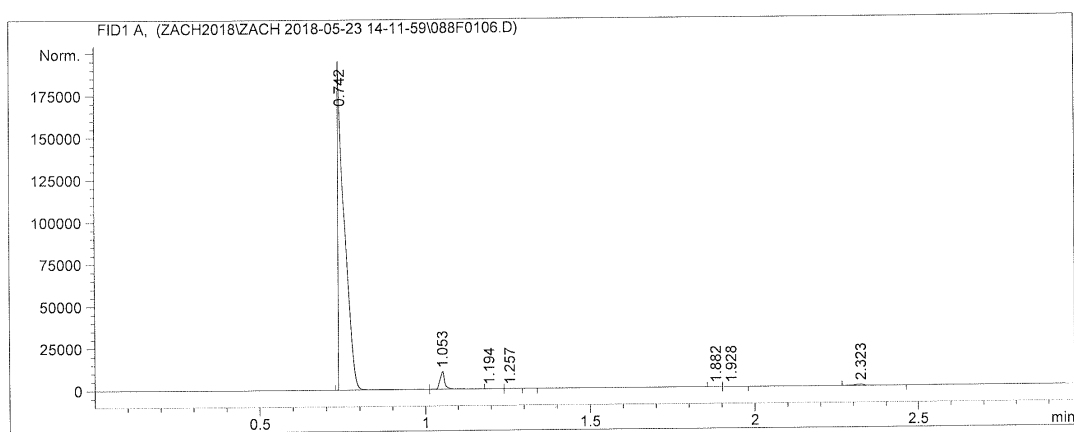
Totals : 2.73774e5 1.77618e5

trans-Cinnamaldehyde: Sequence #1 – Run #6

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-23 14-11-59\088F0106.D
 Sample Name: t-cinnama

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 23-May-18, 14:33:09              Inj       :    6
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-23 14-11-59\Z1.M
Last changed    : 5/23/2018 2:06:46 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.742	BV S	0.0208	2.62165e5	1.66029e5	95.55257
2	1.053	VB S	0.0168	1.05576e4	1.02466e4	3.84797
3	1.194	BV X	0.0192	4.72376	3.62198	0.00172
4	1.257	VB X	0.0187	5.21515	4.14272	0.00190
5	1.882	BV	0.0214	5.25064	3.88853	0.00191
6	1.928	VB	0.0267	20.82274	11.94618	0.00759
7	2.323	BB	0.0316	1608.69836	745.57050	0.58633

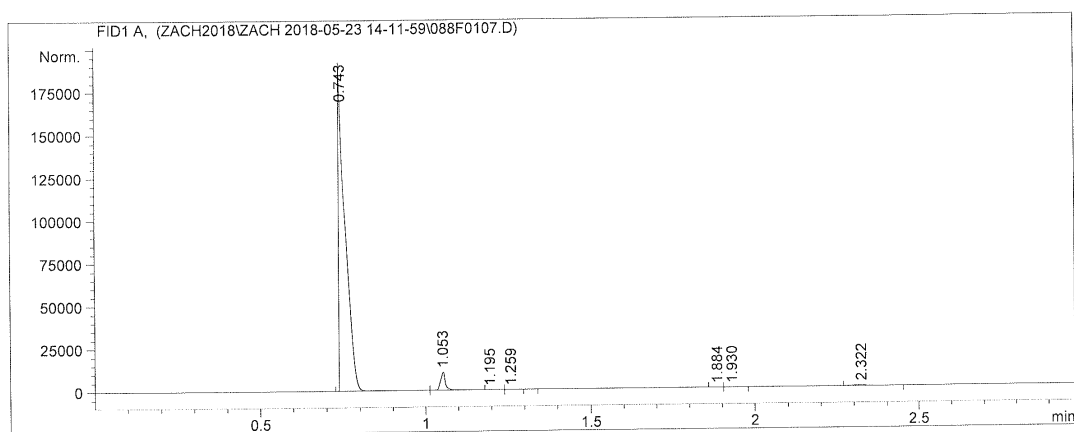
Totals : 2.74367e5 1.77045e5

trans-Cinnamaldehyde: Sequence #1 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-23 14-11-59\088F0107.D
 Sample Name: t-cinnama

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 88
Injection Date  : 23-May-18, 14:37:09              Inj       :    7
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-23 14-11-59\Z1.M
Last changed    : 5/23/2018 2:06:46 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.743	BV S	0.0197	2.58936e5	1.66888e5	95.56705
2	1.053	VB S	0.0164	1.05827e4	1.06319e4	3.90580
3	1.195	BV X	0.0191	4.51838	3.48040	0.00167
4	1.259	VB X	0.0195	5.03242	4.00287	0.00186
5	1.884	BV	0.0220	5.22572	3.72487	0.00193
6	1.930	VB	0.0261	18.01879	10.26557	0.00665
7	2.322	BB	0.0309	1395.49487	643.80994	0.51504

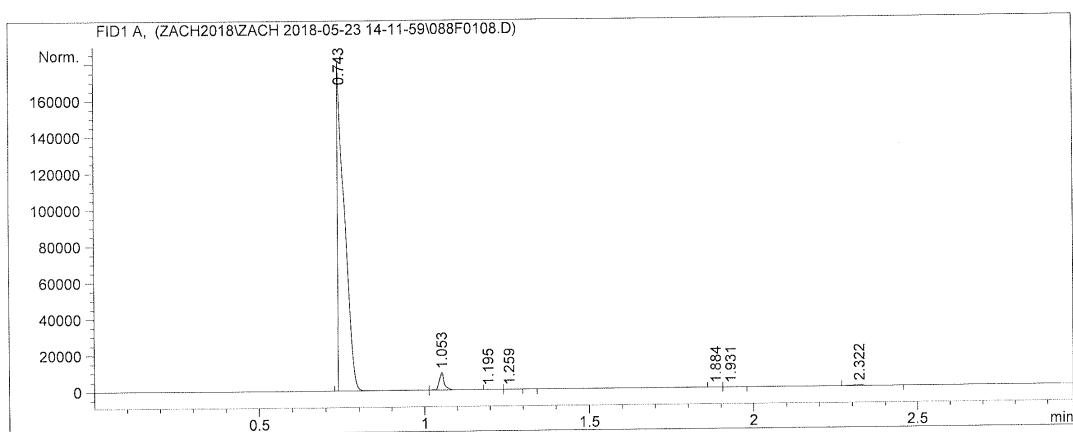
Totals : 2.70947e5 1.78185e5

trans-Cinnamaldehyde: Sequence #1 – Run #8

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-23 14-11-59\088F0108.D
 Sample Name: t-cinnama

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 23-May-18, 14:41:11              Inj       :    8
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-23 14-11-59\Z1.M
Last changed    : 5/23/2018 2:06:46 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.743	BV S	0.0206	2.58758e5	1.66157e5	95.83858
2	1.053	VB S	0.0173	9968.87793	9320.90723	3.69227
3	1.195	BV X	0.0199	4.67720	3.42511	0.00173
4	1.259	VB X	0.0190	4.87318	3.79813	0.00180
5	1.884	BV	0.0222	4.71284	3.30902	0.00175
6	1.931	VB	0.0270	16.01178	9.07558	0.00593
7	2.322	BB	0.0334	1236.41760	566.97760	0.45794

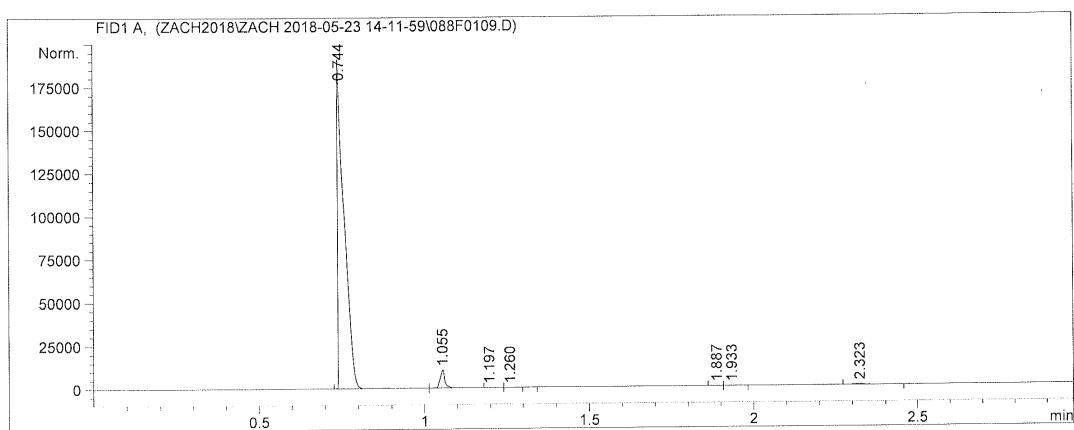
Totals : 2.69993e5 1.76065e5

trans-Cinnamaldehyde: Sequence #1 – Run #9

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-23 14-11-59\088F0109.D
 Sample Name: t-cinnama

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 23-May-18, 14:45:12              Inj       :    9
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-23 14-11-59\Z1.M
Last changed    : 5/23/2018 2:06:46 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.744	BV S	0.0197	2.61923e5	1.76373e5	95.81267
2	1.055	VB S	0.0148	1.03441e4	1.03992e4	3.78392
3	1.197	BV X	0.0202	4.34245	3.27917	0.00159
4	1.260	VB X	0.0184	4.86444	3.93716	0.00178
5	1.887	BV	0.0218	4.61326	3.31711	0.00169
6	1.933	VB	0.0261	13.83280	7.88737	0.00506
7	2.323	BB	0.0324	1075.14941	498.16400	0.39329

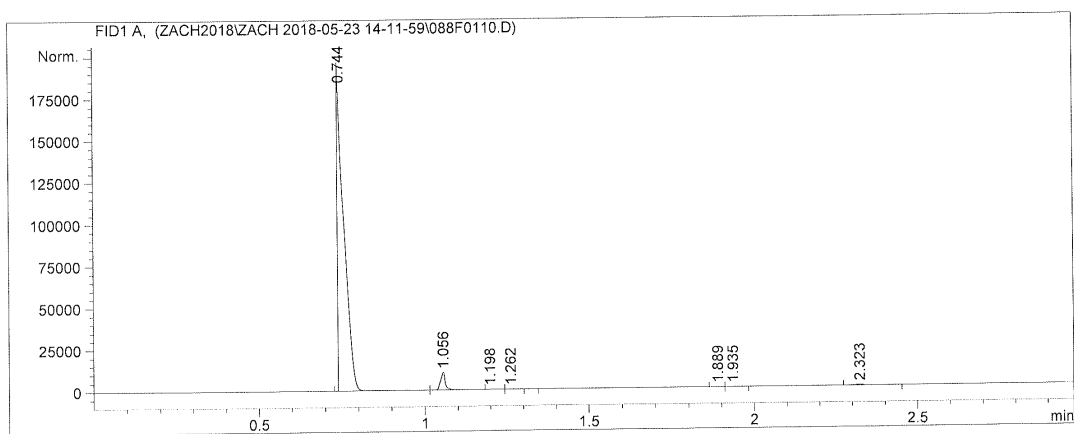
```
Totals :                      2.73370e5  1.87289e5
```

trans-Cinnamaldehyde: Sequence #1 – Run #10

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-23 14-11-59\088F0110.D
 Sample Name: t-cinnama

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 23-May-18, 14:49:13              Inj       :   10
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-23 14-11-59\Z1.M
Last changed    : 5/23/2018 2:06:46 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

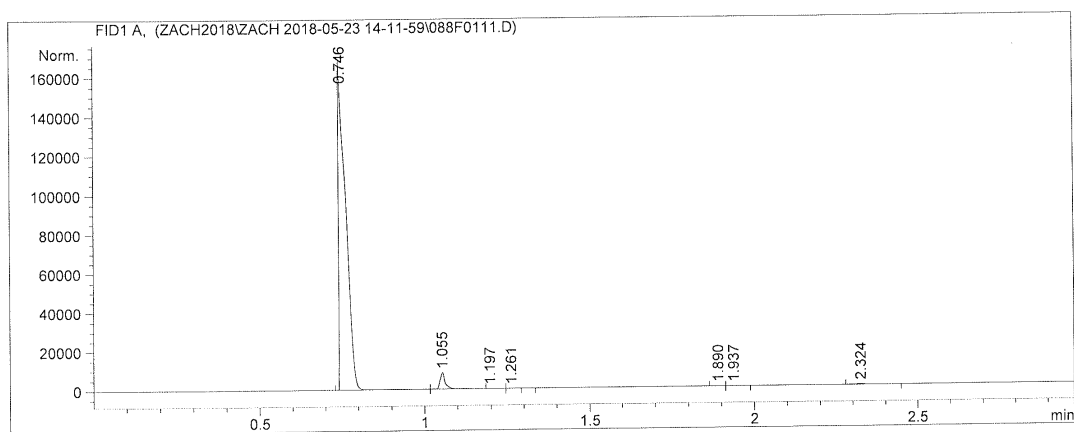
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.744	BV S	0.0190	2.61918e5	1.84093e5	95.81858
2	1.056	VB S	0.0152	1.04912e4	1.01955e4	3.83804
3	1.198	BV X	0.0196	3.97799	2.98232	0.00146
4	1.262	VB X	0.0187	5.14499	4.09102	0.00188
5	1.889	BV	0.0223	4.51459	3.16270	0.00165
6	1.935	VB	0.0258	11.54867	6.65942	0.00422
7	2.323	BB	0.0330	913.42395	425.86813	0.33416

Totals : 2.73348e5 1.94731e5

trans-Cinnamaldehyde: Sequence #1 – Run #11

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-23 14-11-59\088F0111.D
 Sample Name: t-cinnama

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 23-May-18, 14:53:12              Inj       :   11
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-23 14-11-59\Z1.M
Last changed    : 5/23/2018 2:06:46 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

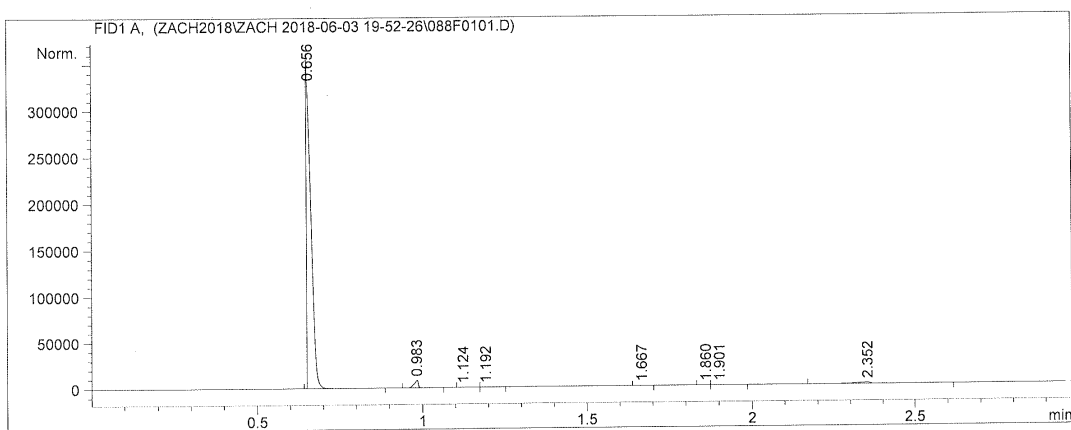
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.746	BV S	0.0209	2.55645e5	1.54706e5	96.34350
2	1.055	VB S	0.0166	8950.28516	8313.41895	3.37304
3	1.197	BV X	0.0244	3.50526	2.39069	0.00132
4	1.261	VB X	0.0198	4.24597	3.29410	0.00160
5	1.890	BV	0.0232	3.80593	2.52745	0.00143
6	1.937	VB	0.0270	9.67419	5.28554	0.00365
7	2.324	BB	0.0338	730.90619	330.36295	0.27545

Totals : 2.65348e5 1.63363e5

trans-Cinnamaldehyde: Sequence #2 – Run #1

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-06-03 19-52-26\088F0101.D
 Sample Name: cinnamaldehyde

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 03-Jun-18, 19:53:30              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-06-03 19-52-26\Z4.M
Last changed    : 6/3/2018 6:09:38 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

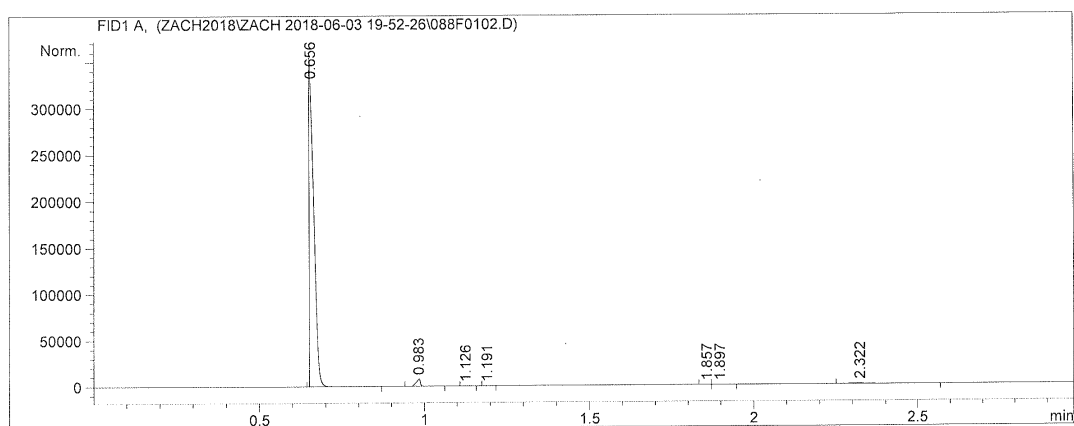
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.656	BB S	0.0164	3.32250e5	3.33261e5	96.52552
2	0.983	BB S	0.0128	6893.32666	7716.97021	2.00265
3	1.124	BV	0.0151	17.25888	16.90164	0.00501
4	1.192	VB	0.0187	4.06975	3.24093	0.00118
5	1.667	BB	0.0253	2.77832	1.51863	0.00081
6	1.860	BV	0.0205	13.44564	9.99120	0.00391
7	1.901	VB	0.0266	80.61037	44.84662	0.02342
8	2.352	BB	0.0423	4948.00098	1509.03333	1.43750

Totals : 3.44210e5 3.42563e5

trans-Cinnamaldehyde: Sequence #2 – Run #2

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-06-03 19-52-26\088F0102.D
 Sample Name: cinnamaldehyde

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 03-Jun-18, 19:57:32              Inj       :    2
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-06-03 19-52-26\Z4.M
Last changed    : 6/3/2018 6:09:38 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

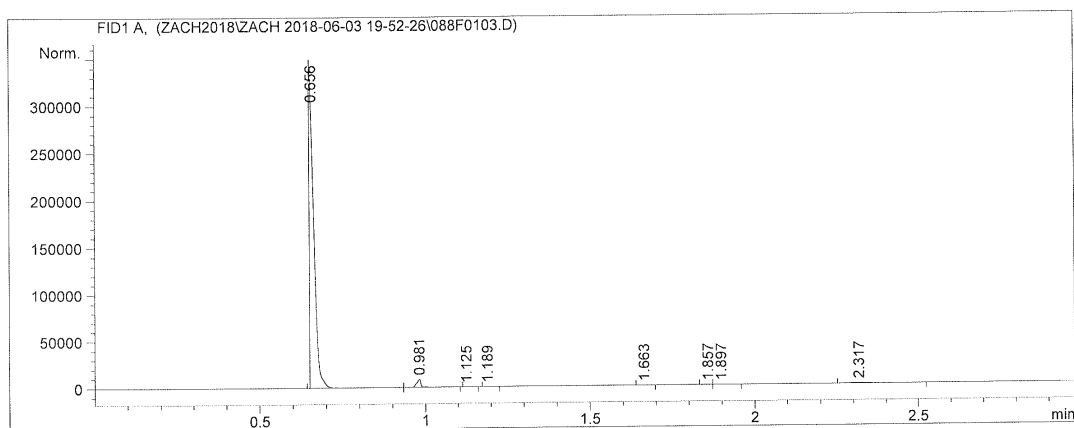
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.656	BB S	0.0164	3.33127e5	3.34470e5	97.22545
2	0.983	BB S	0.0129	6971.96631	7742.45020	2.03482
3	1.126	BB	0.0164	3.49537	3.29204	0.00102
4	1.191	BB	0.0146	3.60694	3.70386	0.00105
5	1.857	BV	0.0188	4.89555	4.07102	0.00143
6	1.897	VB	0.0241	38.34741	24.14090	0.01119
7	2.322	BB	0.0353	2484.21606	951.16370	0.72504

Totals : 3.42633e5 3.43199e5

trans-Cinnamaldehyde: Sequence #2 – Run #3

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-06-03 19-52-26\088F0103.D
 Sample Name: cinnamaldehyde

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 03-Jun-18, 20:01:35              Inj       :    3
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-06-03 19-52-26\Z4.M
Last changed    : 6/3/2018 6:09:38 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

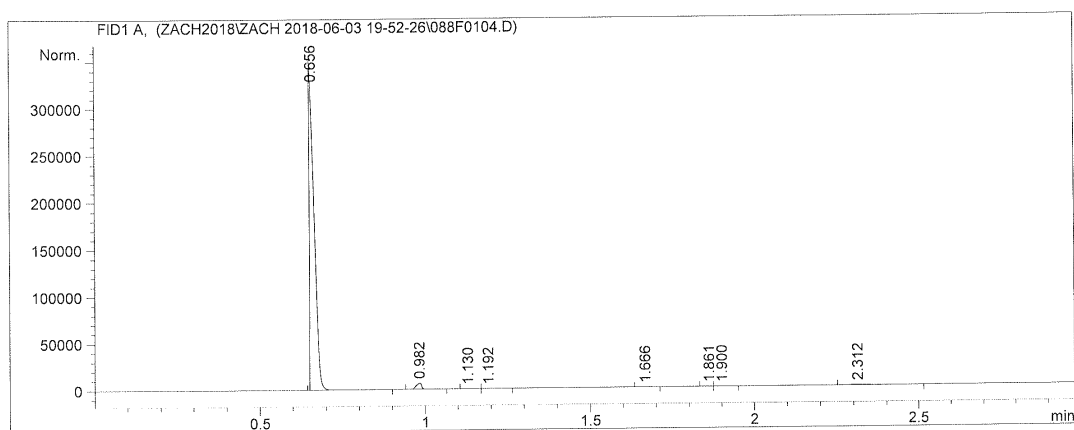
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.656	BV S	0.0161	3.10687e5	2.99265e5	97.18110
2	0.981	VB S	0.0130	7075.65967	8447.42090	2.21323
3	1.125	BB	0.0147	2.66995	2.72041	0.00084
4	1.189	BB	0.0163	4.12980	3.67675	0.00129
5	1.663	BB	0.0183	1.60666	1.38674	0.00050
6	1.857	BV	0.0196	4.14827	3.26822	0.00130
7	1.897	VB	0.0258	30.47709	17.61709	0.00953
8	2.317	BB	0.0357	1893.29639	754.16443	0.59221

Totals : 3.19699e5 3.08495e5

trans-Cinnamaldehyde: Sequence #2 – Run #4

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-06-03 19-52-26\088F0104.D
 Sample Name: cinnamaldehyde

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 03-Jun-18, 20:05:36              Inj       :    4
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-06-03 19-52-26\Z4.M
Last changed    : 6/3/2018 6:09:38 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

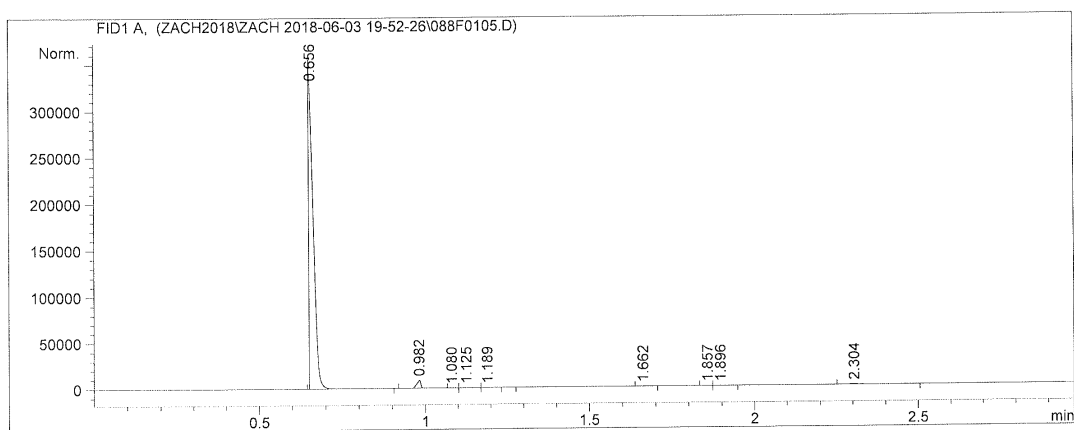
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.656	BB S	0.0168	3.47919e5	3.39529e5	97.62212
2	0.982	BB S	0.0190	7014.30225	6477.49805	1.96813
3	1.130	BV	0.0176	2.97360	2.55834	0.00083
4	1.192	VB	0.0192	4.45709	3.24464	0.00125
5	1.666	BB	0.0261	2.93015	1.66930	0.00082
6	1.861	BV	0.0208	3.42543	2.62816	0.00096
7	1.900	VB	0.0268	21.48728	11.81066	0.00603
8	2.312	BB	0.0359	1425.02368	562.83044	0.39985

Totals : 3.56394e5 3.46591e5

trans-Cinnamaldehyde: Sequence #2 – Run #5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-06-03 19-52-26\088F0105.D
 Sample Name: cinnamaldehyde

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 03-Jun-18, 20:09:38              Inj       :    5
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-06-03 19-52-26\Z4.M
Last changed    : 6/3/2018 6:09:38 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.656	BB S	0.0155	3.26602e5	3.32080e5	97.54794
2	0.982	BB S	0.0130	7066.01416	8427.56836	2.11044
3	1.080	BV T	0.0144	1.25200	1.44717	0.00037
4	1.125	PV T	0.0182	3.61074	2.81286	0.00108
5	1.189	PB T	0.0151	4.14624	4.06438	0.00124
6	1.662	BB	0.0251	2.21758	1.38355	0.00066
7	1.857	BV	0.0191	3.25392	2.66079	0.00097
8	1.896	VB	0.0244	16.71587	10.36178	0.00499
9	2.304	BB	0.0341	1112.57166	482.26529	0.33230

Totals : 3.34812e5 3.41013e5

Instrument 1 7/6/2018 10:02:37 PM Zach Taylor

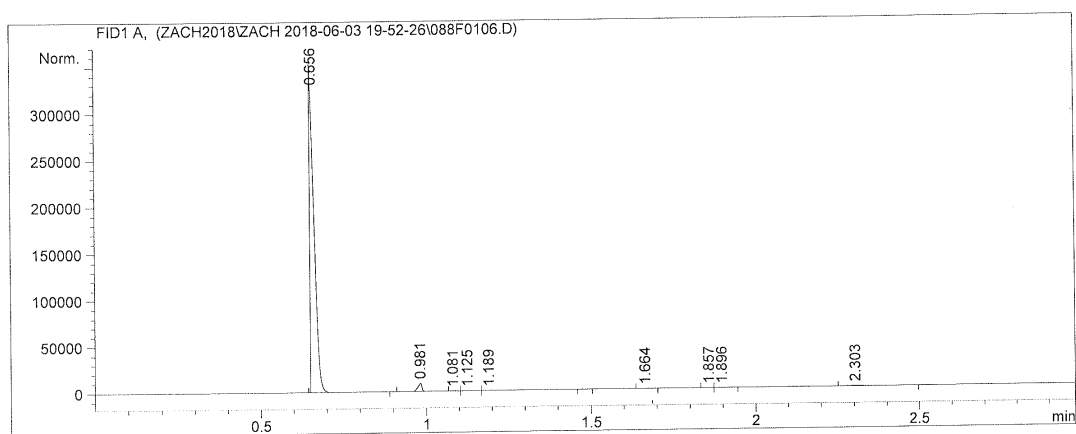
Page 1 of 2

trans-Cinnamaldehyde: Sequence #2 – Run #6

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-06-03 19-52-26\088F0106.D
 Sample Name: cinnamaldehyde

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 03-Jun-18, 20:13:38              Inj       :    6
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-06-03 19-52-26\Z4.M
Last changed    : 6/3/2018 6:09:38 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.656	BB S	0.0151	3.15446e5	3.32561e5	97.53041
2	0.981	BB S	0.0127	7033.85254	8673.91699	2.17474
3	1.081	BV T	0.0122	1.10882	1.51262	0.00034
4	1.125	PV T	0.0162	3.13165	2.81476	0.00097
5	1.189	PB T	0.0113	2.70738	3.91760	0.00084
6	1.664	BB	0.0215	2.08240	1.52810	0.00064
7	1.857	BV	0.0184	2.96270	2.39690	0.00092
8	1.896	VB	0.0242	14.86317	8.92364	0.00460
9	2.303	BB	0.0341	926.79431	401.80081	0.28655

Totals : 3.23434e5 3.41658e5

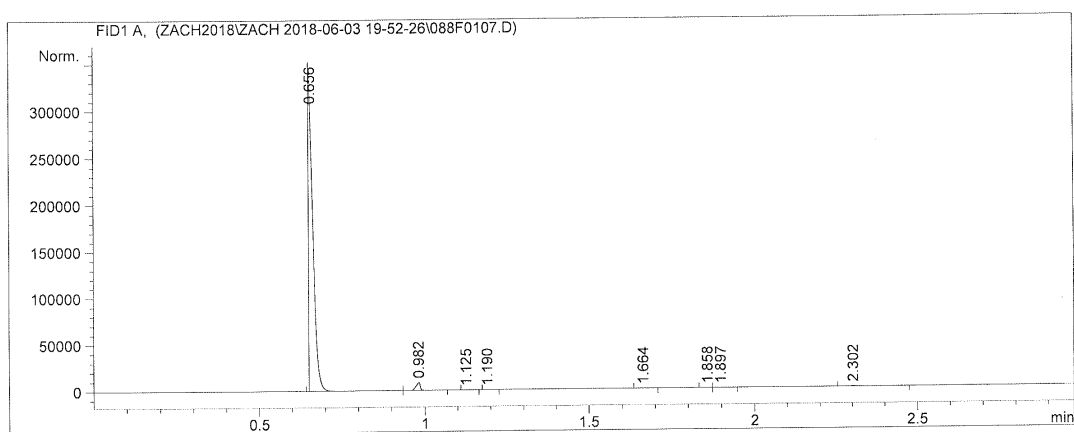
Instrument 1 7/6/2018 10:02:38 PM Zach Taylor

Page 1 of 2

trans-Cinnamaldehyde: Sequence #2 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-06-03 19-52-26\088F0107.D
 Sample Name: cinnamaldehyde

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 03-Jun-18, 20:17:39              Inj       :    7
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-06-03 19-52-26\Z4.M
Last changed    : 6/3/2018 6:09:38 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

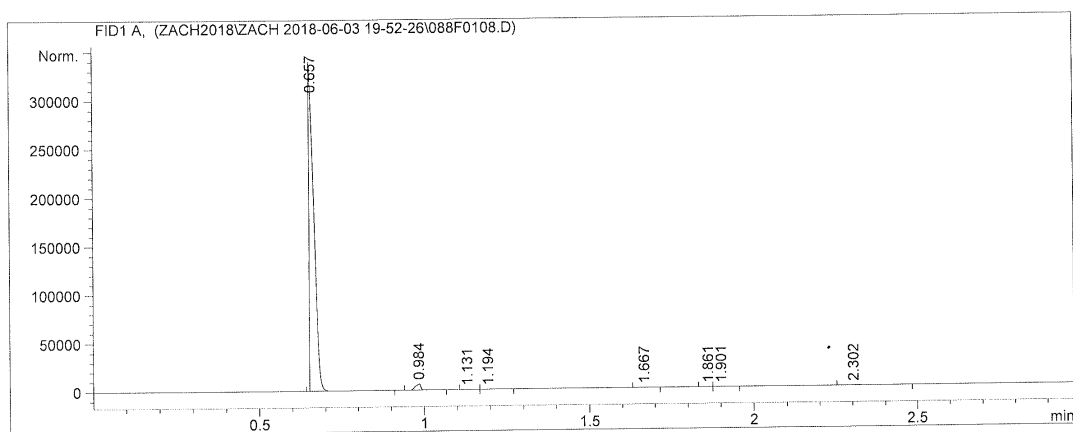
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.656	BV S	0.0162	3.17490e5	3.03073e5	97.56137
2	0.982	VB S	0.0131	7093.67334	8387.19824	2.17981
3	1.125	BB	0.0167	3.07941	2.66693	0.00095
4	1.190	BB	0.0158	3.95129	3.66165	0.00121
5	1.664	BB	0.0228	2.28439	1.62118	0.00070
6	1.858	BV	0.0194	2.59300	2.07655	0.00080
7	1.897	VB	0.0262	13.62961	7.70607	0.00419
8	2.302	BB	0.0338	816.71356	347.40433	0.25097

Totals : 3.25426e5 3.11825e5

trans-Cinnamaldehyde: Sequence #2 – Run #8

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-06-03 19-52-26\088F0108.D
 Sample Name: cinnamaldehyde

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 03-Jun-18, 20:21:40              Inj       :    8
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-06-03 19-52-26\Z4.M
Last changed    : 6/3/2018 6:09:38 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.657	BB S	0.0189	3.46812e5	3.03240e5	97.87212
2	0.984	BB S	0.0192	6880.60254	6290.41406	1.94174
3	1.131	BV	0.0177	2.60427	2.21817	0.00073
4	1.194	VB	0.0180	3.71587	2.93405	0.00105
5	1.667	BB	0.0272	2.30833	1.34349	0.00065
6	1.861	BV	0.0214	2.73713	1.92414	0.00077
7	1.901	VB	0.0286	11.10393	5.63766	0.00313
8	2.302	BB	0.0353	637.10767	257.32297	0.17980

Totals : 3.54352e5 3.09802e5

trans-Cinnamaldehyde: Sequence #2 – Run #9

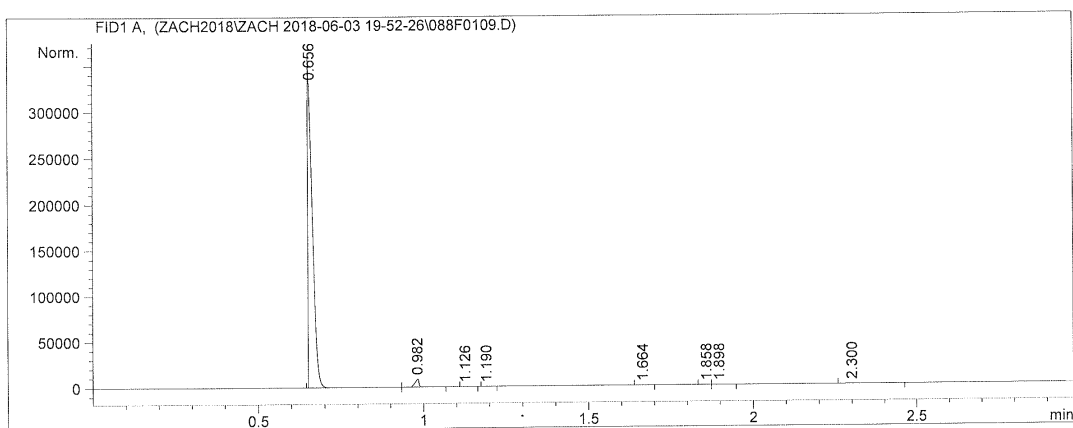
Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-06-03 19-52-26\088F0109.D

Sample Name: cinnamaldehyde

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 03-Jun-18, 20:25:43              Inj       :    9
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-06-03 19-52-26\Z4.M
Last changed    : 6/3/2018 6:09:38 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



Area Percent Report

```

=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution      : 1.0000
Use Multiplier & Dilution Factor with ISTDs

```

Signal 1: FID1 A,

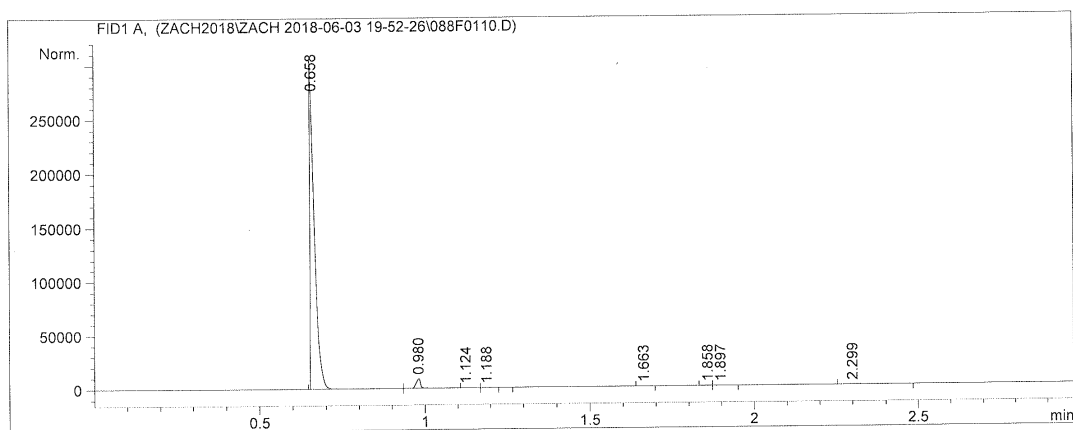
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.656	BV S	0.0153	3.27016e5	3.38416e5	97.70140
2	0.982	VB S	0.0128	7127.47754	8633.36133	2.12945
3	1.126	BB	0.0176	2.88801	2.48152	0.00086
4	1.190	BB	0.0156	4.08441	3.84153	0.00122
5	1.664	BB	0.0214	2.22984	1.56962	0.00067
6	1.858	BV	0.0191	2.46019	1.90340	0.00074
7	1.898	VB	0.0273	9.34195	5.21326	0.00279
8	2.300	BB	0.0342	545.17212	235.61073	0.16288

Totals : 3.34710e5 3.47300e5

trans-Cinnamaldehyde: Sequence #2 – Run #10

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-06-03 19-52-26\088F0110.D
 Sample Name: cinnamaldehyde

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 03-Jun-18, 20:29:43              Inj       :   10
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-06-03 19-52-26\Z4.M
Last changed    : 6/3/2018 6:09:38 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

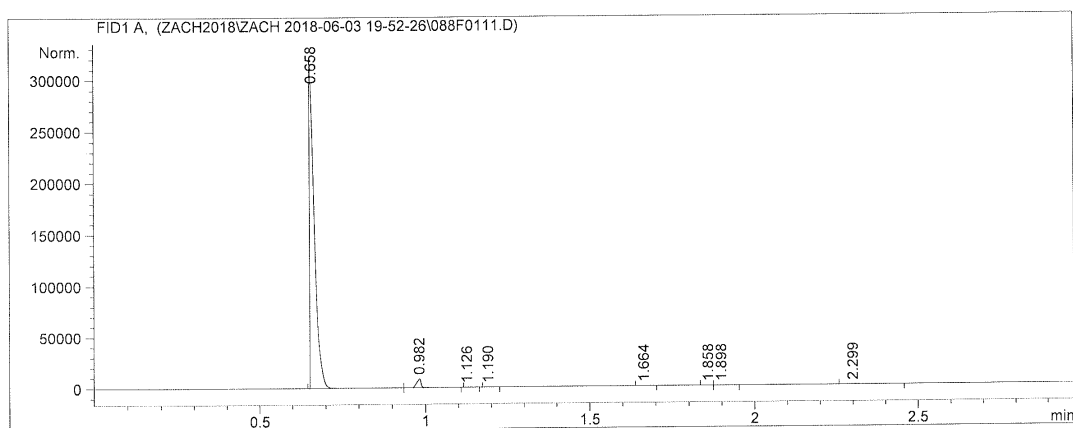
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.658	BV S	0.0152	2.81092e5	2.72263e5	97.00491
2	0.980	VB S	0.0156	8054.66748	8727.49414	2.77967
3	1.124	BV X	0.0185	3.89141	3.12072	0.00134
4	1.188	VB X	0.0183	5.24838	4.26749	0.00181
5	1.663	BB	0.0199	2.33919	1.71871	0.00081
6	1.858	BV	0.0206	2.41232	1.87038	0.00083
7	1.897	VB	0.0288	10.81087	5.63734	0.00373
8	2.299	BB	0.0362	599.54559	241.18242	0.20690

Totals : 2.89771e5 2.81248e5

trans-Cinnamaldehyde: Sequence #2 – Run #11

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-06-03 19-52-26\088F0111.D
 Sample Name: cinnamaldehyde

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 88
Injection Date  : 03-Jun-18, 20:33:46              Inj       :   11
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-06-03 19-52-26\Z4.M
Last changed    : 6/3/2018 6:09:38 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.658	BV S	0.0168	3.20126e5	2.92528e5	97.46852
2	0.982	VB S	0.0156	7825.25293	8474.60156	2.38255
3	1.126	BB	0.0155	1.82379	1.85246	0.00056
4	1.190	BB	0.0172	4.38304	3.64200	0.00133
5	1.664	BB	0.0215	2.05355	1.43497	0.00063
6	1.858	BV	0.0182	1.98900	1.63931	0.00061
7	1.898	VB	0.0285	8.42092	4.28454	0.00256
8	2.299	BB	0.0358	470.49869	191.76689	0.14325

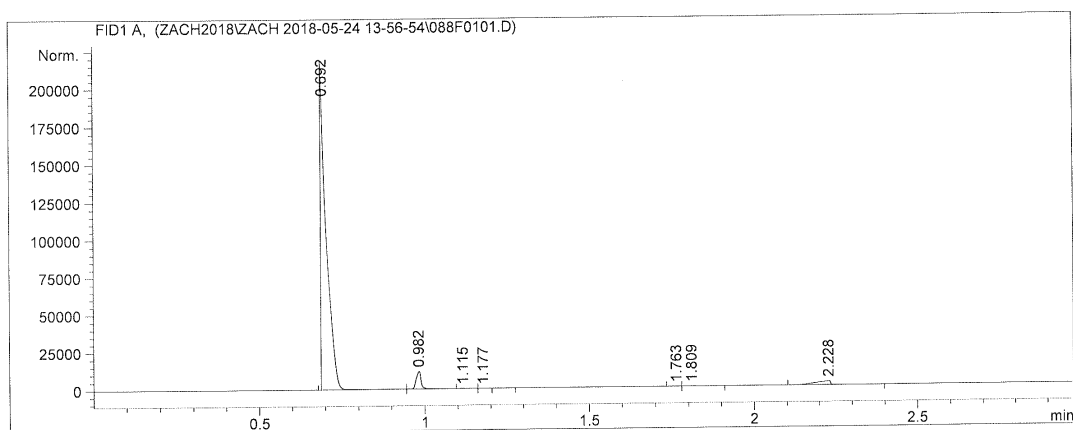
Totals : 3.28441e5 3.01207e5

trans-Cinnamaldehyde: Sequence #3 – Run #1

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 13-56-54\088F0101.D
 Sample Name: t-cinnama-1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                    Location  : Vial 88
Injection Date  : 24-May-18, 13:57:54             Inj       :    1
                                                Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 13-56-54\Z1.M
Last changed    : 5/23/2018 2:06:46 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.692	BV S	0.0172	2.57383e5	1.92358e5	92.77103
2	0.982	VB S	0.0177	1.21035e4	1.16539e4	4.36257
3	1.115	BV X	0.0184	33.07580	28.43433	0.01192
4	1.177	VB X	0.0199	5.46386	4.46583	0.00197
5	1.763	BV	0.0224	15.30651	10.61726	0.00552
6	1.809	VB	0.0289	155.37617	80.63913	0.05600
7	2.228	BB	0.0391	7743.28857	2514.91162	2.79099

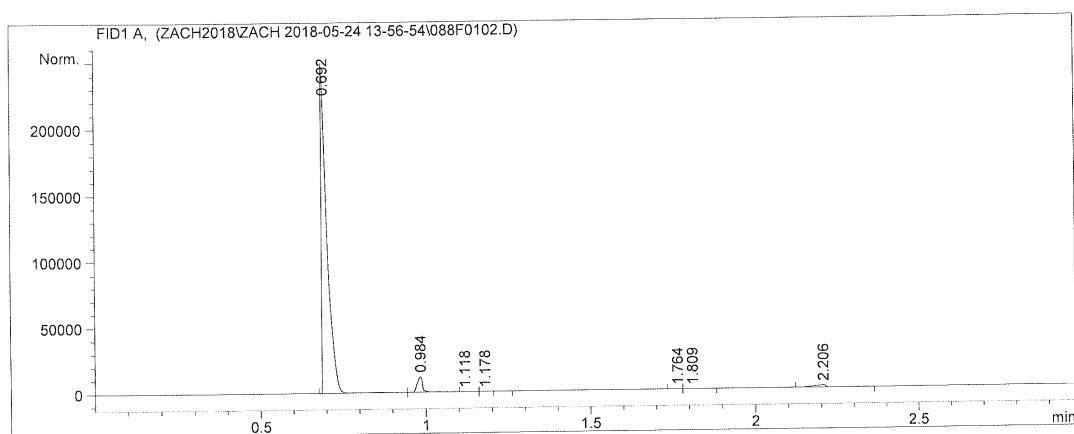
Totals : 2.77439e5 2.06651e5

trans-Cinnamaldehyde: Sequence #3 – Run #2

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 13-56-54\088F0102.D
 Sample Name: t-cinnama-1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-May-18, 14:01:55              Inj       :    2
                                                Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 13-56-54\Z1.M
Last changed    : 5/23/2018 2:06:46 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.692	BV S	0.0188	2.96672e5	2.21815e5	94.47646
2	0.984	VB S	0.0184	1.30344e4	1.18342e4	4.15086
3	1.118	BV X	0.0215	6.84890	5.31643	0.00218
4	1.178	VB X	0.0202	5.56933	4.43691	0.00177
5	1.764	BV	0.0222	7.45791	5.23100	0.00238
6	1.809	VB	0.0292	72.69336	37.27734	0.02315
7	2.206	BB	0.0322	4217.89062	1697.39294	1.34321

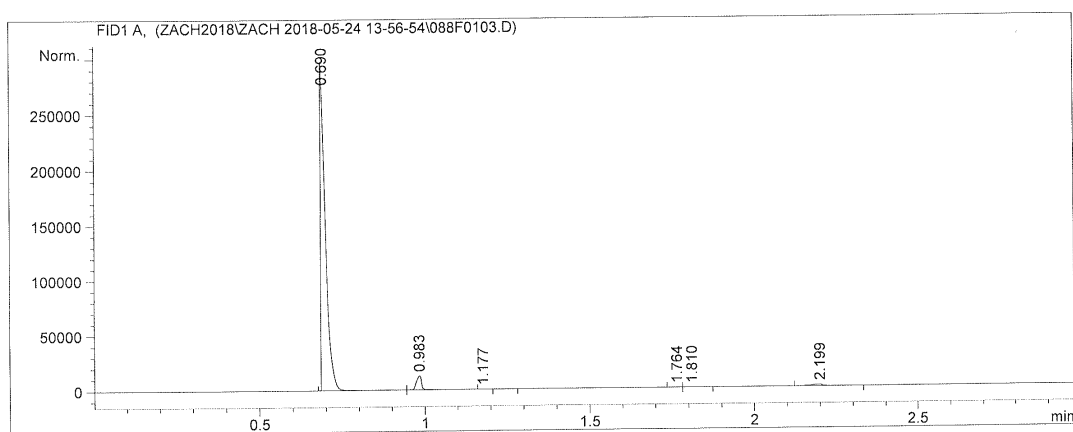
Totals : 3.14017e5 2.35398e5

trans-Cinnamaldehyde: Sequence #3 – Run #3

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 13-56-54\088F0103.D
 Sample Name: t-cinnama-1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 88
Injection Date  : 24-May-18, 14:05:57              Inj       :    3
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 13-56-54\Z1.M
Last changed    : 5/23/2018 2:06:46 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.690	BV S	0.0168	2.99469e5	2.72559e5	94.75389
2	0.983	VB S	0.0182	1.34495e4	1.24328e4	4.25550
3	1.177	BB X	0.0199	5.90388	4.57421	0.00187
4	1.764	BV	0.0224	6.82446	4.75158	0.00216
5	1.810	VB	0.0299	44.81541	22.98606	0.01418
6	2.199	BB	0.0352	3073.27808	1319.78687	0.97240

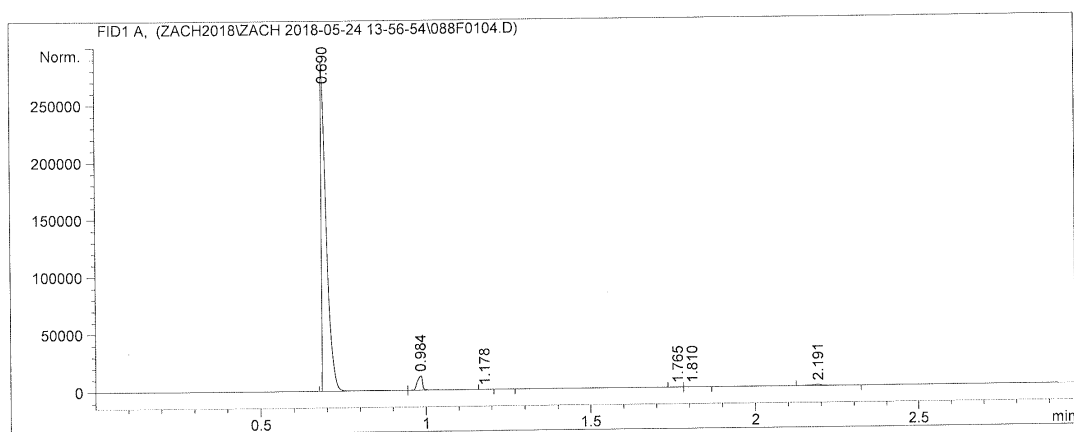
Totals : 3.16049e5 2.86344e5

trans-Cinnamaldehyde: Sequence #3 – Run #4

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 13-56-54\088F0104.D
 Sample Name: t-cinnama-1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 88
Injection Date  : 24-May-18, 14:09:57              Inj       :    4
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 13-56-54\Z1.M
Last changed    : 5/23/2018 2:06:46 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.690	BV S	0.0167	3.03400e5	2.79192e5	95.08464
2	0.984	VB S	0.0182	1.34808e4	1.24629e4	4.22484
3	1.178	BB X	0.0209	6.16492	4.68858	0.00193
4	1.765	BV	0.0225	6.22233	4.30286	0.00195
5	1.810	VB	0.0295	28.33416	14.80058	0.00888
6	2.191	BB	0.0345	2162.59839	952.87091	0.67775

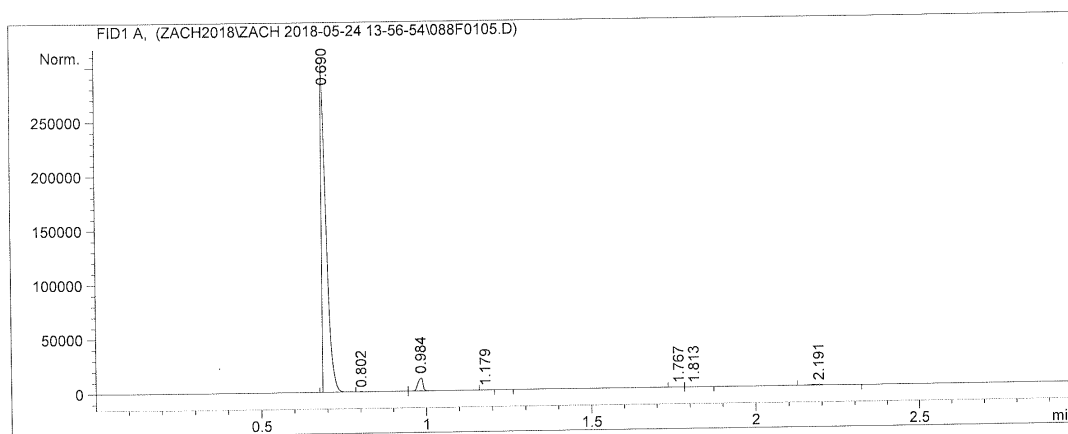
```
Totals :                      3.19084e5  2.92632e5
```

trans-Cinnamaldehyde: Sequence #3 – Run #5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 13-56-54\088F0105.D
 Sample Name: t-cinnama-1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-May-18, 14:14:01              Inj       :    5
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 13-56-54\Z1.M
Last changed    : 5/23/2018 2:06:46 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.690	BV S	0.0163	2.97274e5	2.82425e5	95.19717
2	0.802	BV X	0.1050	31.29093	3.64244	0.01002
3	0.984	VB S	0.0174	1.29529e4	1.19752e4	4.14795
4	1.179	BB X	0.0213	5.96308	4.42402	0.00191
5	1.767	BV	0.0237	5.84225	3.94386	0.00187
6	1.813	VB	0.0304	24.70714	12.43361	0.00791
7	2.191	BB	0.0355	1977.17688	862.66998	0.63316

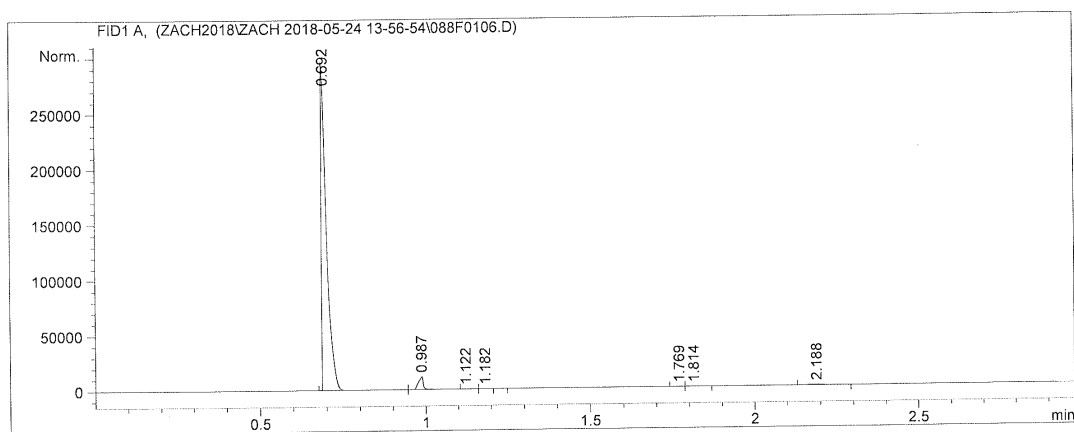
Totals : 3.12272e5 2.95287e5

trans-Cinnamaldehyde: Sequence #3 – Run #6

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 13-56-54\088F0106.D
 Sample Name: t-cinnama-1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-May-18, 14:18:03              Inj       :    6
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 13-56-54\Z1.M
Last changed    : 5/23/2018 2:06:46 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

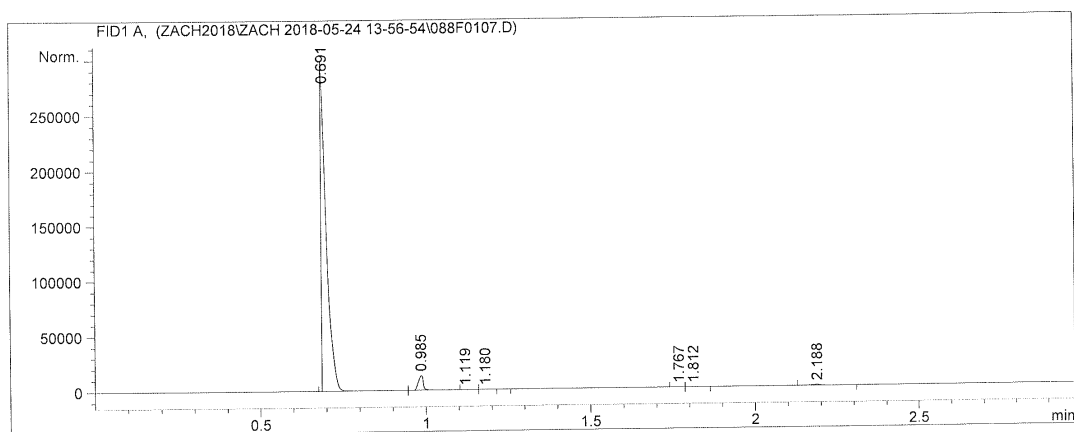
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.692	BV S	0.0168	3.15256e5	2.71260e5	95.96780
2	0.987	VB S	0.0174	1.18206e4	1.16650e4	3.59834
3	1.122	BV X	0.0204	3.29956	2.69078	0.00100
4	1.182	VB X	0.0176	4.99529	4.27345	0.00152
5	1.769	BV	0.0209	4.68633	3.39480	0.00143
6	1.814	VB	0.0278	16.44309	8.97167	0.00501
7	2.188	BB	0.0340	1395.78748	645.04083	0.42489

Totals : 3.28502e5 2.83589e5

trans-Cinnamaldehyde: Sequence #3 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 13-56-54\088F0107.D
 Sample Name: t-cinnama-1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-May-18, 14:22:05              Inj       :    7
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 13-56-54\Z1.M
Last changed    : 5/23/2018 2:06:46 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.691	BV S	0.0172	3.22459e5	2.85186e5	95.55752
2	0.985	VB S	0.0177	1.34578e4	1.29901e4	3.98809
3	1.119	BV X	0.0204	4.58363	3.43012	0.00136
4	1.180	VB X	0.0181	6.01068	4.95794	0.00178
5	1.767	BV	0.0218	5.24649	3.76696	0.00155
6	1.812	VB	0.0258	18.76834	10.86066	0.00556
7	2.188	BB	0.0331	1498.72815	697.46130	0.44413

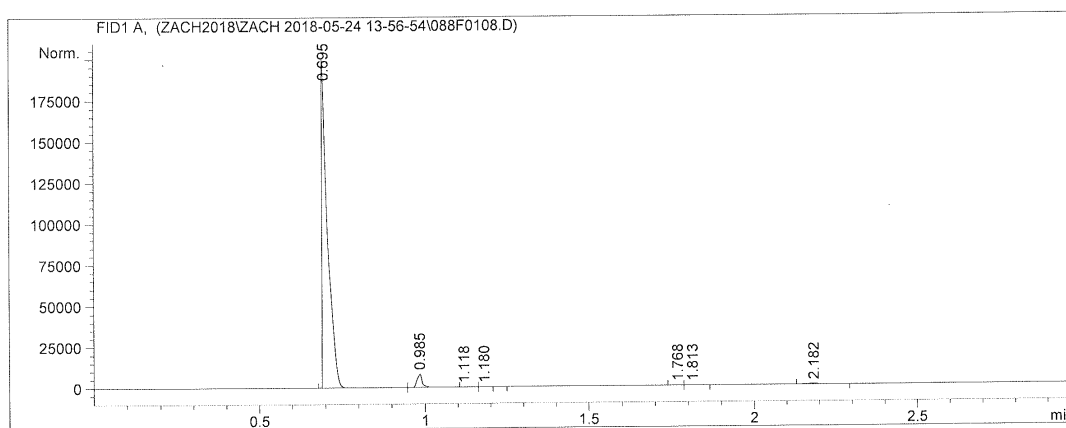
Totals : 3.37450e5 2.98896e5

trans-Cinnamaldehyde: Sequence #3 – Run #8

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 13-56-54\088F0108.D
 Sample Name: t-cinnama-1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-May-18, 14:26:05              Inj       :    8
                                                Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 13-56-54\Z1.M
Last changed    : 5/23/2018 2:06:46 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.695	BV S	0.0173	2.37834e5	1.86033e5	96.15933
2	0.985	VB S	0.0172	8552.06055	8068.73389	3.45770
3	1.118	BV X	0.0222	2.90458	2.18283	0.00117
4	1.180	VB X	0.0182	3.52823	2.89084	0.00143
5	1.768	BV	0.0223	3.03157	2.11226	0.00123
6	1.813	VB	0.0264	12.00105	6.74471	0.00485
7	2.182	BB	0.0347	925.74359	416.42566	0.37429

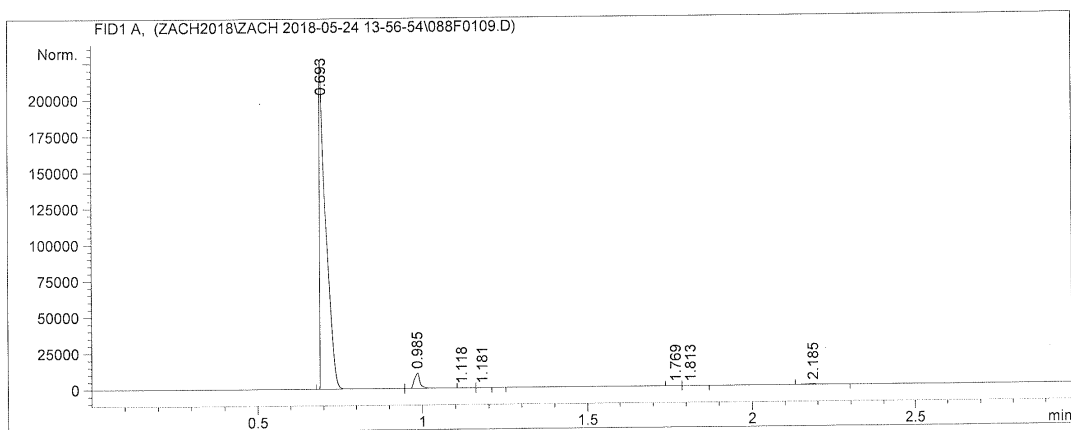
Totals : 2.47334e5 1.94532e5

trans-Cinnamaldehyde: Sequence #3 – Run #9

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 13-56-54\088F0109.D
 Sample Name: t-cinnama-1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-May-18, 14:30:06              Inj       :    9
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 13-56-54\Z1.M
Last changed    : 5/23/2018 2:06:46 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.693	BV S	0.0200	3.02538e5	2.00005e5	95.83758
2	0.985	VB S	0.0181	1.20014e4	1.04966e4	3.80178
3	1.118	BV X	0.0243	3.42227	2.34638	0.00108
4	1.181	VB X	0.0207	5.36213	4.14724	0.00170
5	1.769	BV	0.0241	4.60067	3.03267	0.00146
6	1.813	VB	0.0283	13.94113	7.43688	0.00442
7	2.185	BB	0.0351	1111.13599	493.18280	0.35198

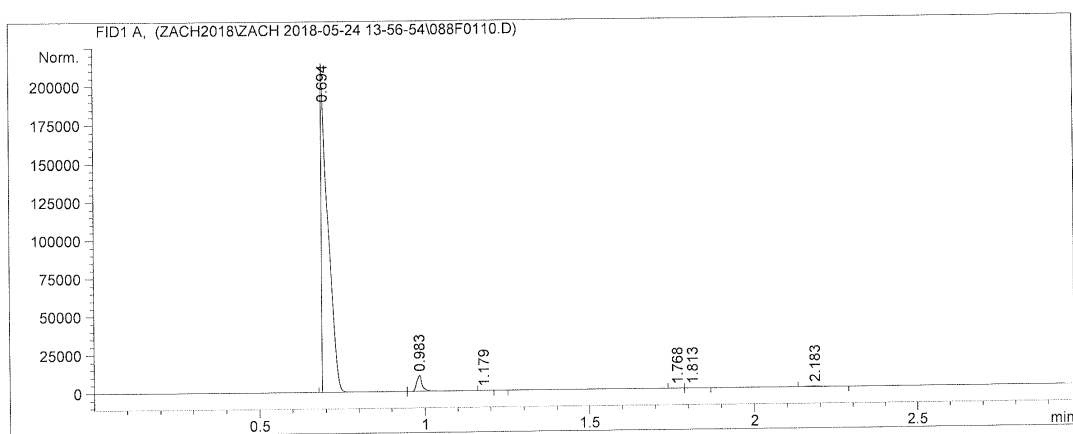
Totals : 3.15678e5 2.11012e5

trans-Cinnamaldehyde: Sequence #3 – Run #10

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 13-56-54\088F0110.D
 Sample Name: t-cinnama-1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-May-18, 14:34:06              Inj       :   10
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 13-56-54\Z1.M
Last changed    : 5/23/2018 2:06:46 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

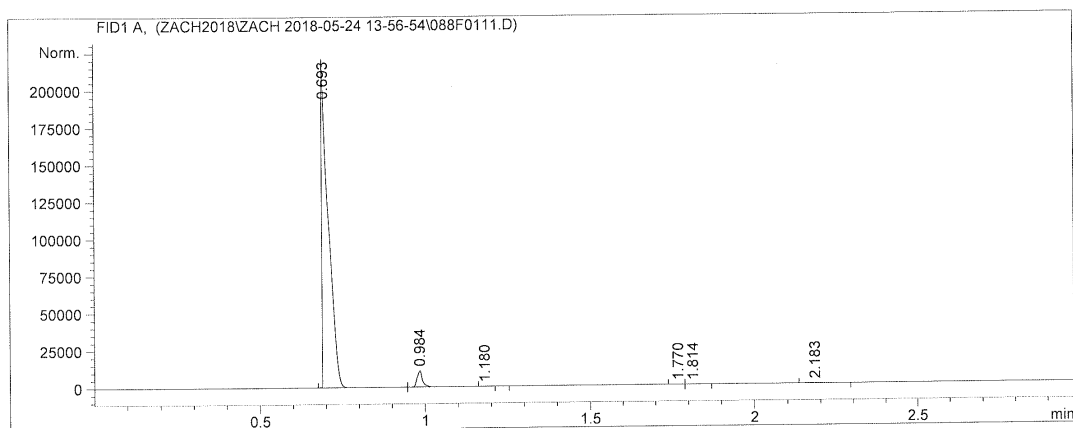
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.694	BV S	0.0209	2.95882e5	1.86550e5	95.92445
2	0.983	VB S	0.0182	1.16110e4	1.00970e4	3.76428
3	1.179	BB X	0.0199	5.37705	4.14157	0.00174
4	1.768	BV	0.0238	4.21519	2.82887	0.00137
5	1.813	VB	0.0279	11.12836	6.04345	0.00361
6	2.183	BB	0.0337	939.41827	425.87457	0.30456

```
Totals :                      3.08453e5  1.97085e5
```


trans-Cinnamaldehyde: Sequence #3 – Run #11

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 13-56-54\088F0111.D
 Sample Name: t-cinnama-1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-May-18, 14:38:07              Inj       :   11
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 13-56-54\Z1.M
Last changed    : 5/23/2018 2:06:46 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution      : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.693	BV S	0.0207	3.00346e5	1.91381e5	95.95305
2	0.984	VB S	0.0177	1.20136e4	1.08879e4	3.83806
3	1.180	BB X	0.0200	5.53346	4.23452	0.00177
4	1.770	BV	0.0235	4.38130	2.85301	0.00140
5	1.814	VB	0.0290	8.21863	4.24708	0.00263
6	2.183	BB	0.0348	635.71222	285.58755	0.20309

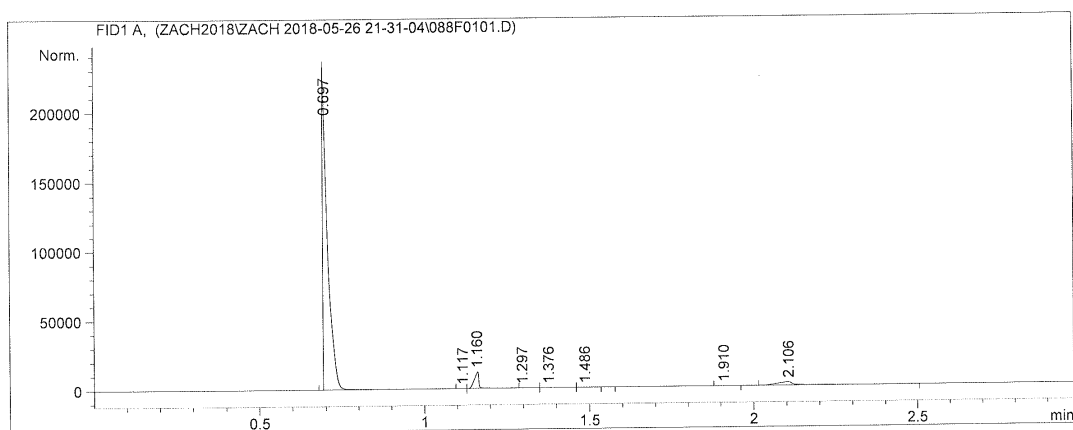
Totals : 3.13013e5 2.02566e5

Dihydrocinnamaldehyde: Sequence #1 – Run #1

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 21-31-04\088F0101.D
 Sample Name: hydrocinnama

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 88
Injection Date  : 26-May-18, 21:32:37              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 21-31-04\Z1.M
Last changed    : 5/26/2018 9:31:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

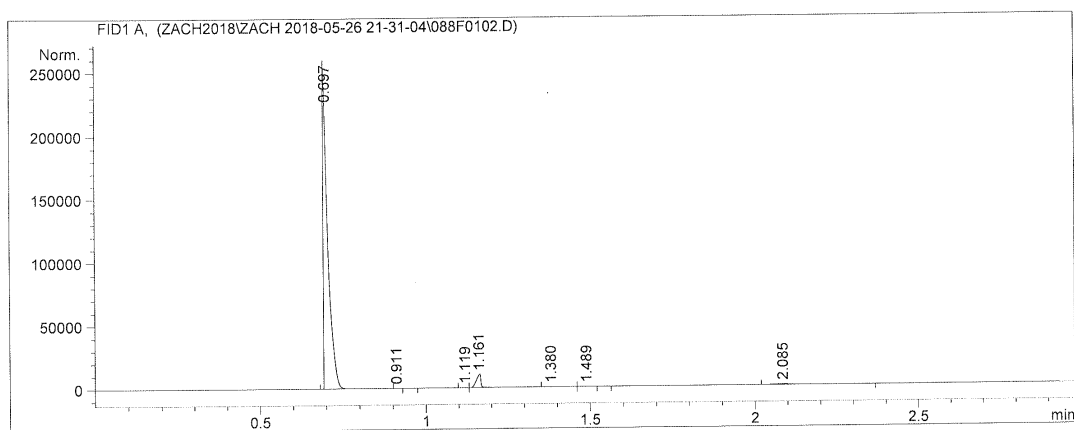
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.697	BV S	0.0153	2.28889e5	1.94879e5	92.16166
2	1.117	BV T	0.0140	14.69264	17.15546	0.00592
3	1.160	VB S	0.0149	1.10742e4	1.18072e4	4.45900
4	1.297	BV X	9.48e-3	1.15366	2.02866	0.00046
5	1.376	VV X	0.0286	12.39443	6.06963	0.00499
6	1.486	VB T	0.0293	5.81190	2.95818	0.00234
7	1.910	BB	0.0270	3.59828	2.03601	0.00145
8	2.106	BB	0.0521	8355.12988	2339.01489	3.36418

Totals : 2.48355e5 2.09056e5

Dihydrocinnamaldehyde: Sequence #1 – Run #2

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 21-31-04\088F0102.D
Sample Name: hydrocinnama

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 21:36:37              Inj       :    2
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 21-31-04\Z1.M
Last changed    : 5/26/2018 9:31:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.697	BB S	0.0150	2.41430e5	2.23374e5	95.16725
2	0.911	BB X	0.0135	1.62938	2.00717	0.00064
3	1.119	BV	0.0165	19.46645	18.16783	0.00767
4	1.161	VB S	0.0154	9978.25586	1.02071e4	3.93325
5	1.380	PV T	0.0354	5.86348	2.73532	0.00231
6	1.489	PB T	0.0283	3.99285	2.29145	0.00157
7	2.085	BB	0.0585	2250.98315	555.15216	0.88730

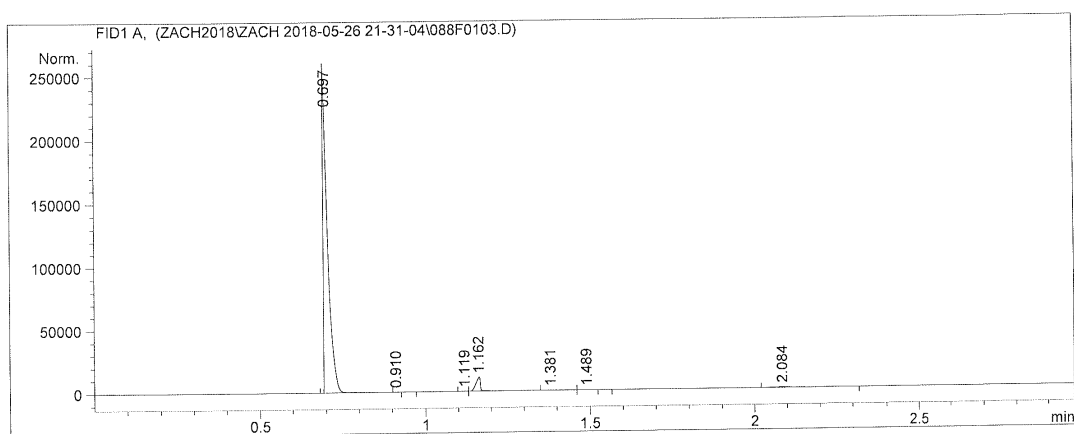
Totals : 2.53690e5 2.34162e5

Dihydrocinnamaldehyde: Sequence #1 – Run #3

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 21-31-04\088F0103.D
 Sample Name: hydrocinnama

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 21:40:38              Inj       :    3
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 21-31-04\Z1.M
Last changed    : 5/26/2018 9:31:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

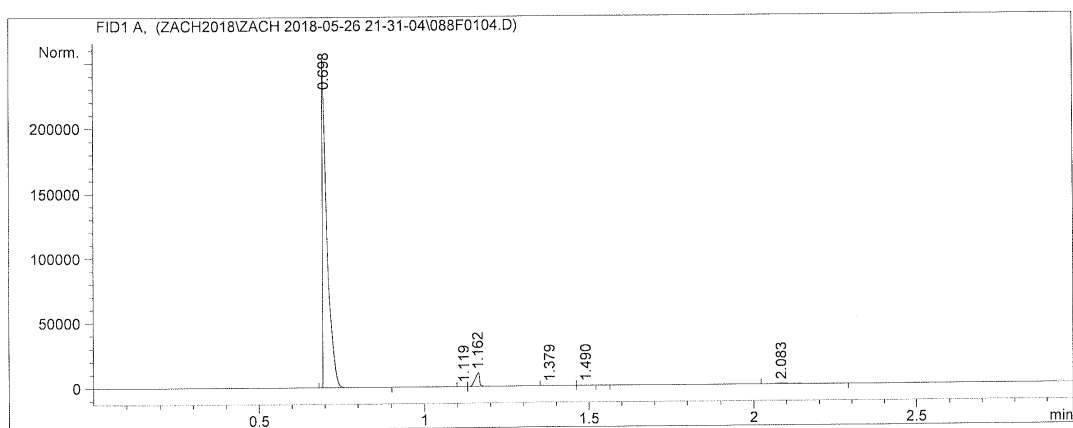
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.697	BB S	0.0149	2.39208e5	2.22618e5	95.24919
2	0.910	BB X	0.0127	1.36830	1.79508	0.00054
3	1.119	BV	0.0164	17.49319	16.51284	0.00697
4	1.162	VB S	0.0161	1.02309e4	1.06046e4	4.07381
5	1.381	PV T	0.0360	5.78369	2.63805	0.00230
6	1.489	PB T	0.0285	4.29511	2.35807	0.00171
7	2.084	BB	0.0554	1671.26025	448.78516	0.66547

Totals : 2.51139e5 2.33695e5

Dihydrocinnamaldehyde: Sequence #1 – Run #4

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 21-31-04\088F0104.D
Sample Name: hydrocinnama

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 21:44:38              Inj       :    4
                                                Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 21-31-04\Z1.M
Last changed    : 5/26/2018 9:31:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.698	BB S	0.0150	2.45054e5	2.26098e5	95.64874
2	1.119	BV	0.0163	14.81043	14.08046	0.00578
3	1.162	VB S	0.0162	9835.46094	1.00539e4	3.83895
4	1.379	PV T	0.0363	4.72494	2.19360	0.00184
5	1.490	PB T	0.0283	3.73233	2.14447	0.00146
6	2.083	BB	0.0555	1289.27441	346.06519	0.50323

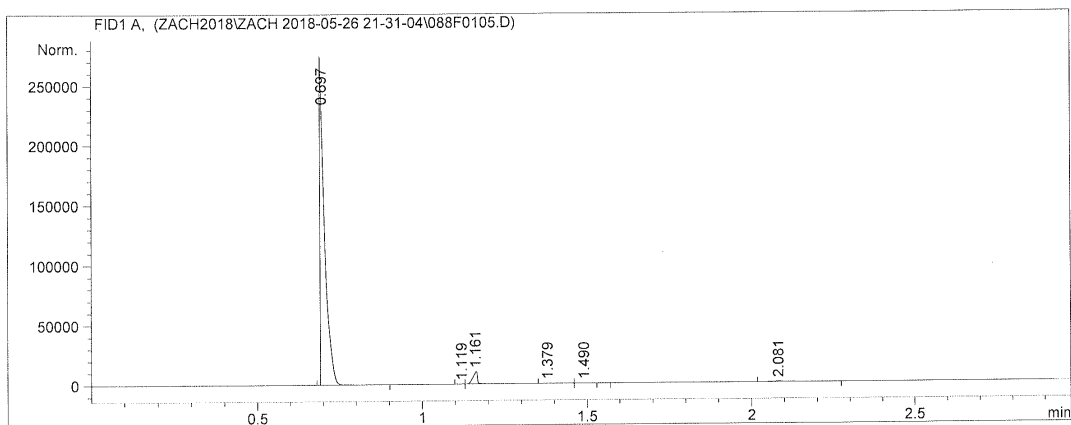
Totals : 2.56202e5 2.36517e5

Dihydrocinnamaldehyde: Sequence #1 – Run #5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 21-31-04\088F0105.D

Sample Name: hydrocinnama

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 88
Injection Date  : 26-May-18, 21:48:39              Inj       :    5
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 21-31-04\Z1.M
Last changed    : 5/26/2018 9:31:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.697	BB S	0.0166	2.64524e5	2.30401e5	96.10121
2	1.119	BV	0.0159	12.20542	12.00999	0.00443
3	1.161	VB S	0.0146	9712.05762	9950.14551	3.52837
4	1.379	PV T	0.0358	3.68408	1.74777	0.00134
5	1.490	PB T	0.0300	4.54909	2.32417	0.00165
6	2.081	BB	0.0526	999.16010	281.48999	0.36299

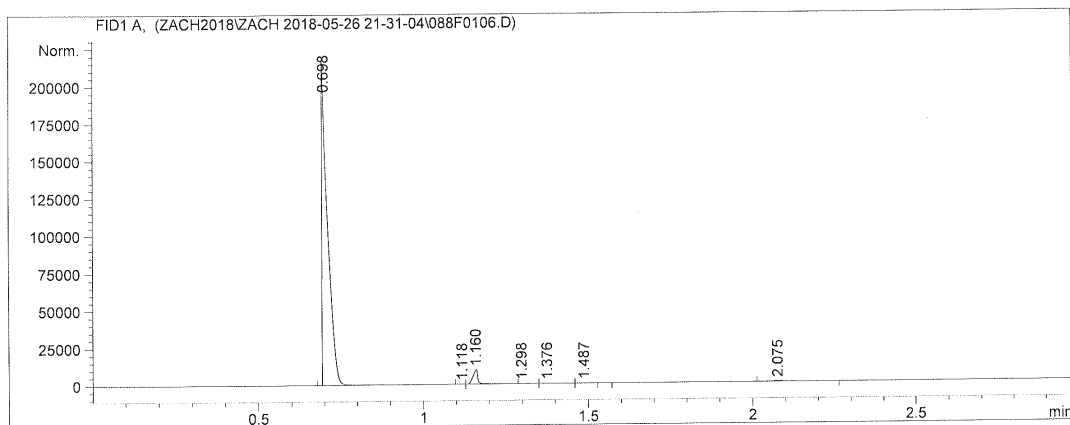
Totals : 2.75256e5 2.40649e5

Dihydrocinnamaldehyde: Sequence #1 – Run #6

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 21-31-04\088F0106.D

Sample Name: hydrocinnama

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 21:52:39              Inj       :    6
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 21-31-04\Z1.M
Last changed    : 5/26/2018 9:31:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.698	BV S	0.0172	2.57856e5	1.93279e5	95.98677
2	1.118	BV T	0.0148	6.43877	7.52854	0.00240
3	1.160	VB S	0.0172	9834.47852	9276.48145	3.66088
4	1.298	BV X	0.0102	1.00573	1.64139	0.00037
5	1.376	VV X	0.0307	4.69793	2.11490	0.00175
6	1.487	VB T	0.0289	4.79736	2.48417	0.00179
7	2.075	BB	0.0551	929.62451	256.18549	0.34605

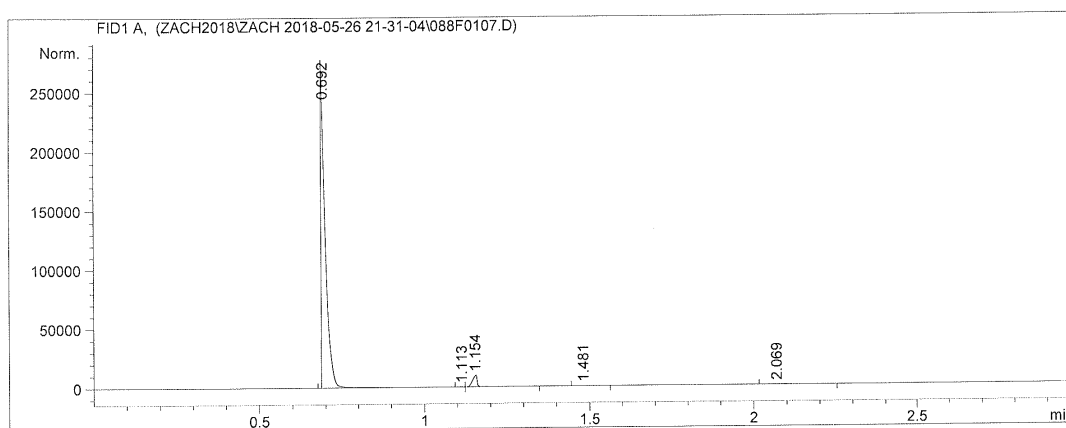
Totals : 2.68637e5 2.02825e5

Dihydrocinnamaldehyde: Sequence #1 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 21-31-04\088F0107.D
Sample Name: hydrocinnama

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 21:56:40              Inj       :    7
                                                Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 21-31-04\Z1.M
Last changed    : 5/26/2018 9:31:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.692	BV S	0.0152	2.47673e5	2.40482e5	96.04949
2	1.113	BV T	0.0149	5.04899	5.84588	0.00196
3	1.154	VB S	0.0167	9433.36035	9239.59082	3.65833
4	1.481	BB	0.0402	7.58606	2.67891	0.00294
5	2.069	BB	0.0522	740.77869	210.98486	0.28728

Totals : 2.57859e5 2.49941e5

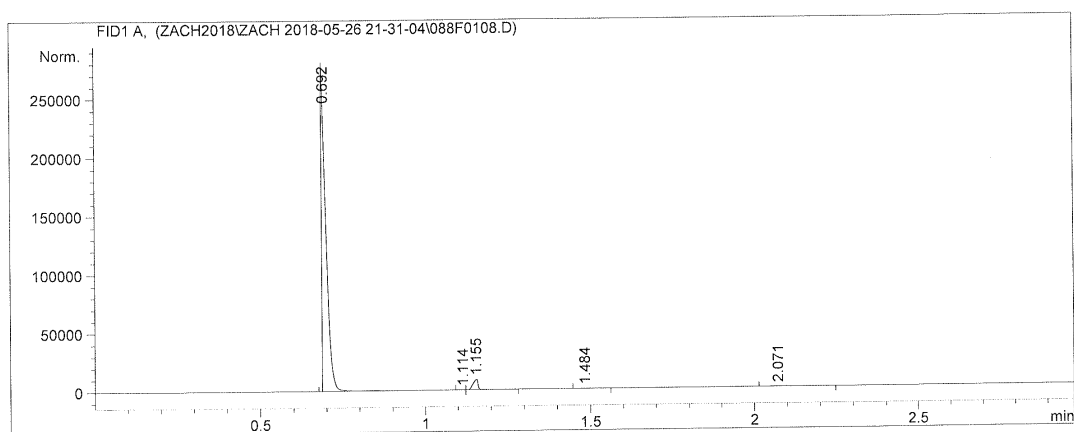
*** End of Report ***

Dihydrocinnamaldehyde: Sequence #1 – Run #8

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 21-31-04\088F0108.D
 Sample Name: hydrocinnama

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 22:00:40              Inj       :    8
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 21-31-04\Z1.M
Last changed    : 5/26/2018 9:31:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution      : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.692	BV S	0.0154	2.52586e5	2.42411e5	96.21934
2	1.114	BV T	0.0136	3.59498	4.34785	0.00137
3	1.155	VB S	0.0170	9286.68066	8865.16016	3.53765
4	1.484	BB	0.0407	7.52137	2.62026	0.00287
5	2.071	BB	0.0526	626.83038	180.33453	0.23878

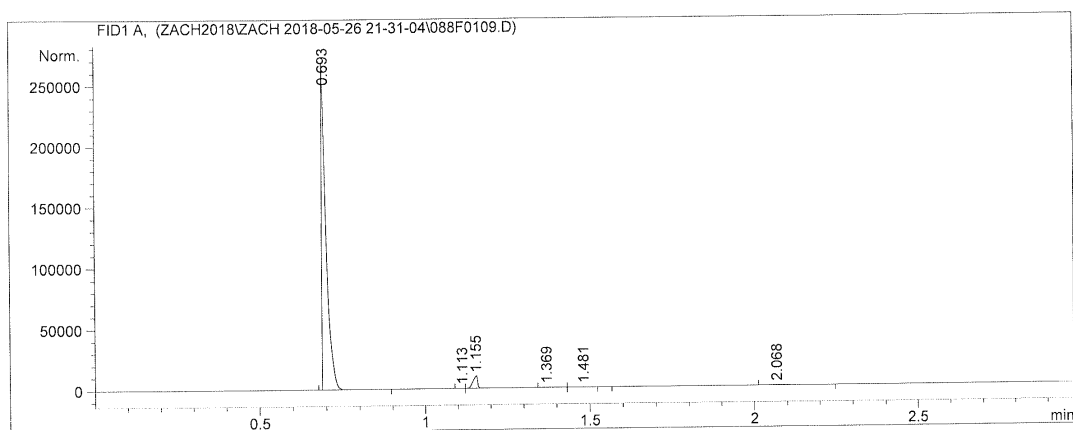
Totals : 2.62510e5 2.51464e5

```
=====
*** End of Report ***
```

Dihydrocinnamaldehyde: Sequence #1 – Run #9

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 21-31-04\088F0109.D
Sample Name: hydrocinnama

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 22:04:41              Inj       :    9
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 21-31-04\Z1.M
Last changed    : 5/26/2018 9:31:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.693	BB S	0.0150	2.49210e5	2.46618e5	95.91244
2	1.113	BV	0.0170	8.58645	8.22690	0.00330
3	1.155	VB S	0.0171	1.00187e4	9511.11621	3.85584
4	1.369	PV T	0.0391	3.04535	1.29699	0.00117
5	1.481	PB T	0.0306	4.93263	2.45659	0.00190
6	2.068	BB	0.0519	585.50970	161.37344	0.22534

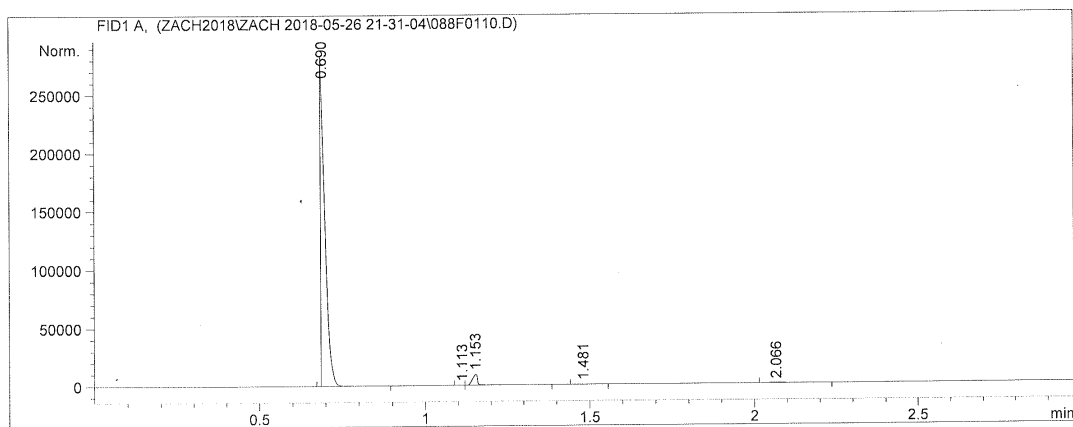
Totals : 2.59831e5 2.56303e5

Dihydrocinnamaldehyde: Sequence #1 – Run #10

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 21-31-04\088F0110.D

Sample Name: hydrocinnama

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 22:08:41              Inj       :   10
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 21-31-04\Z1.M
Last changed    : 5/26/2018 9:31:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.690	BB S	0.0145	2.53568e5	2.62792e5	96.16343
2	1.113	BV	0.0159	6.98744	6.84738	0.00265
3	1.153	VB S	0.0169	9612.00488	9275.57129	3.64526
4	1.481	BB	0.0415	8.09959	2.82385	0.00307
5	2.066	BB	0.0516	489.35898	141.18192	0.18558

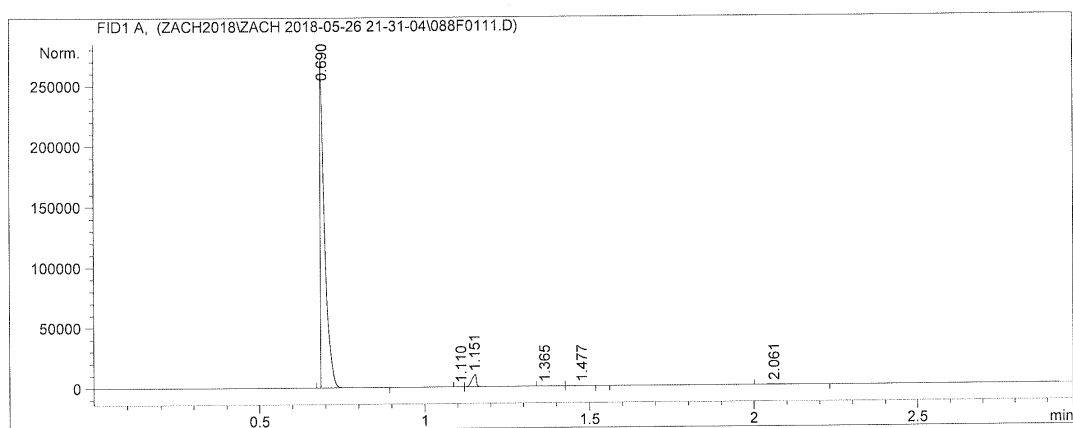
Totals : 2.63685e5 2.72218e5

*** End of Report ***

Dihydrocinnamaldehyde: Sequence #1 – Run #11

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 21-31-04\088F0111.D
Sample Name: hydrocinnama

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 22:12:43              Inj       :   11
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 21-31-04\Z1.M
Last changed    : 5/26/2018 9:31:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.690	BB S	0.0146	2.46963e5	2.52268e5	96.01401
2	1.110	BV	0.0171	7.24380	7.05123	0.00282
3	1.151	VB S	0.0167	9791.04297	9576.05273	3.80654
4	1.365	PV T	0.0373	2.61592	1.16738	0.00102
5	1.477	PB T	0.0298	4.62338	2.38435	0.00180
6	2.061	BB	0.0534	447.07397	126.09729	0.17381

Totals : 2.57216e5 2.61981e5

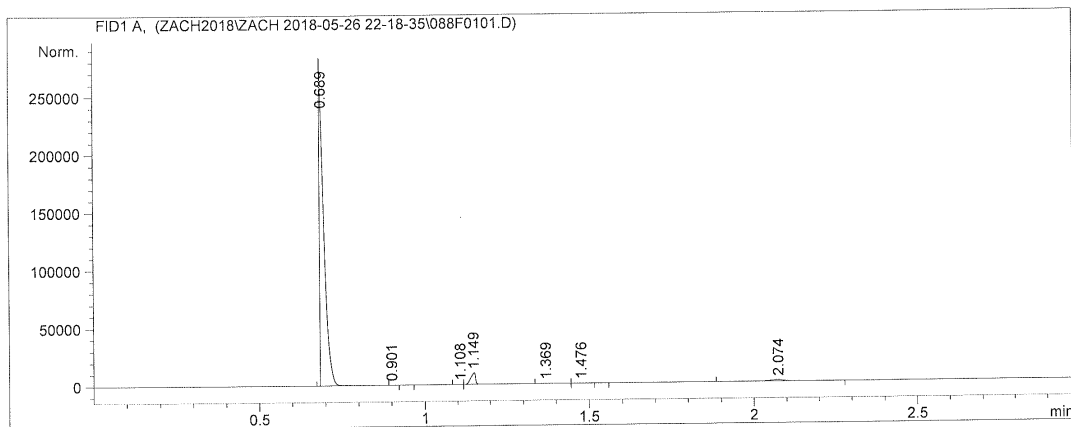
Dihydrocinnamaldehyde: Sequence #2 – Run #1

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 22-18-35\088F0101.D

Sample Name: hydrocinnama

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 88
Injection Date  : 26-May-18, 22:19:36              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 22-18-35\Z1.M
Last changed    : 5/26/2018 9:31:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.689	BB S	0.0167	2.56648e5	2.36455e5	94.89619
2	0.901	BB X	0.0158	1.86742	1.97326	0.00069
3	1.108	BV	0.0171	19.92980	18.92253	0.00737
4	1.149	VB S	0.0171	1.00311e4	9496.81543	3.70900
5	1.369	PV T	0.0333	5.53081	2.72102	0.00205
6	1.476	PB T	0.0319	4.90527	2.47352	0.00181
7	2.074	BB	0.0494	3740.04077	1167.80750	1.38289

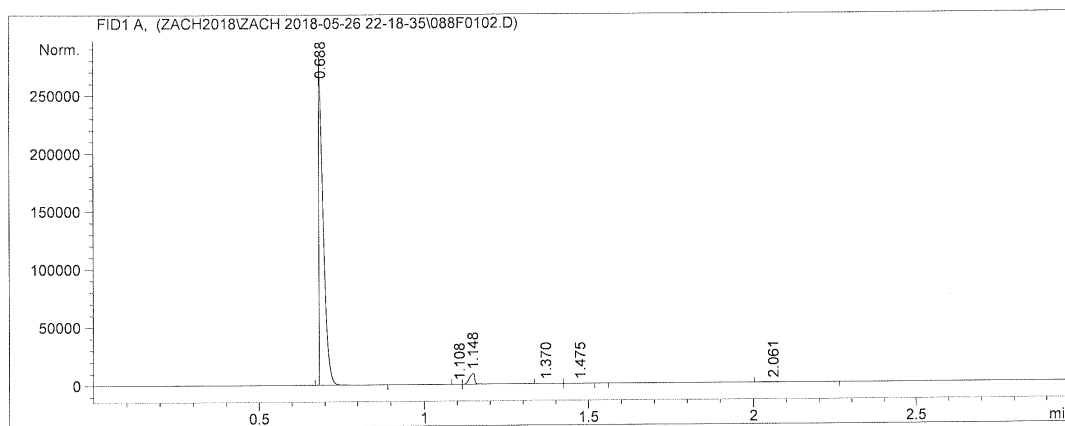
Totals : 2.70452e5 2.47146e5

Dihydrocinnamaldehyde: Sequence #2 – Run #2

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 22-18-35\088F0102.D

Sample Name: hydrocinnama

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 22:23:37              Inj       :    2
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 22-18-35\Z1.M
Last changed    : 5/26/2018 9:31:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By       : Signal
Multiplier      : 1.0000
Dilution        : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.688	BB S	0.0147	2.56117e5	2.60707e5	95.85222
2	1.108	BV	0.0169	16.57668	15.97368	0.00620
3	1.148	VB S	0.0183	9899.20020	9066.84766	3.70479
4	1.370	PV T	0.0384	4.01538	1.71993	0.00150
5	1.475	PB T	0.0314	5.03125	2.42561	0.00188
6	2.061	BB	0.0566	1158.03357	302.87521	0.43340

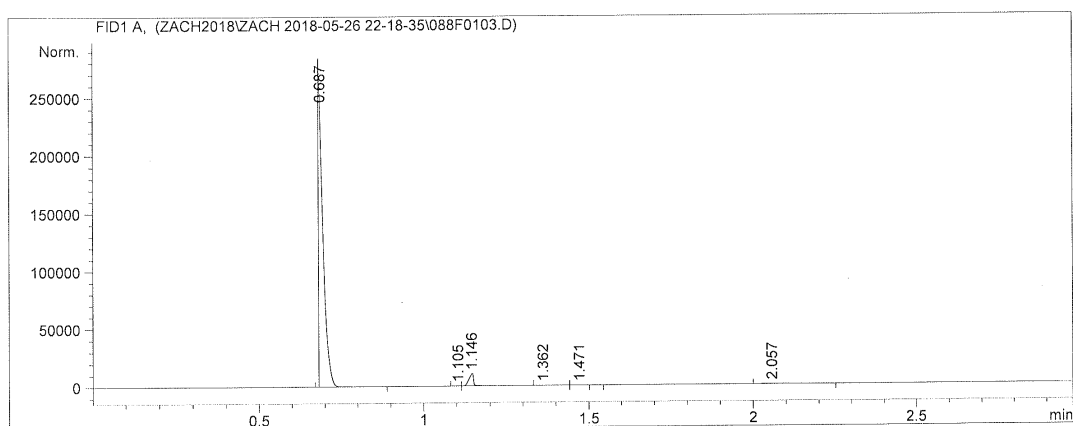
Totals : 2.67200e5 2.70097e5

Dihydrocinnamaldehyde: Sequence #2 – Run #3

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 22-18-35\088F0103.D
Sample Name: hydrocinnama

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 22:27:36              Inj       :    3
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 22-18-35\Z1.M
Last changed    : 5/26/2018 9:31:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.687	BB S	0.0156	2.57875e5	2.42554e5	95.92415
2	1.105	BV	0.0170	14.76981	14.07263	0.00549
3	1.146	VB S	0.0162	1.00163e4	1.02260e4	3.72586
4	1.362	PV T	0.0316	3.73080	1.62329	0.00139
5	1.471	PB T	0.0275	3.76843	2.16210	0.00140
6	2.057	BB	0.0544	918.62457	248.00960	0.34171

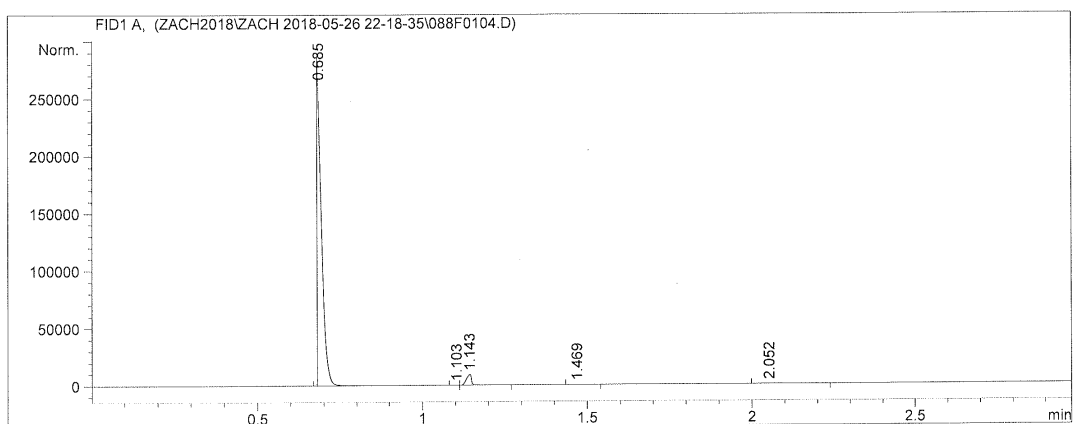
Totals : 2.68832e5 2.53046e5

Dihydrocinnamaldehyde: Sequence #2 – Run #4

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 22-18-35\088F0104.D
Sample Name: hydrocinnama

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 22:31:38              Inj       :    4
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 22-18-35\Z1.M
Last changed    : 5/26/2018 9:31:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.685	BV S	0.0148	2.61277e5	2.62634e5	96.19725
2	1.103	BV T	0.0139	5.59628	6.58043	0.00206
3	1.143	VB S	0.0173	9638.82324	8984.42578	3.54884
4	1.469	BB	0.0380	5.89028	2.29261	0.00217
5	2.052	BB	0.0528	678.15955	186.55641	0.24969

Totals : 2.71605e5 2.71814e5

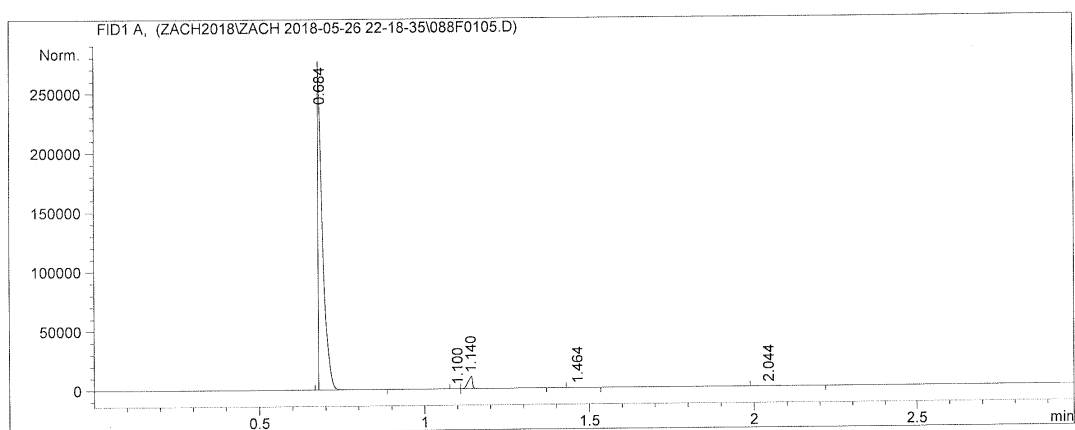
*** End of Report ***

Dihydrocinnamaldehyde: Sequence #2 – Run #5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 22-18-35\088F0105.D
Sample Name: hydrocinnama

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 22:35:38              Inj       :    5
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 22-18-35\Z1.M
Last changed    : 5/26/2018 9:31:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.684	BB S	0.0150	2.55001e5	2.36926e5	96.10317
2	1.100	BV	0.0166	10.95783	10.85095	0.00413
3	1.140	VB S	0.0164	9768.21973	9851.06250	3.68139
4	1.464	BB	0.0360	6.71732	2.65133	0.00253
5	2.044	BB	0.0526	553.97821	156.24243	0.20878

Totals : 2.65341e5 2.46947e5

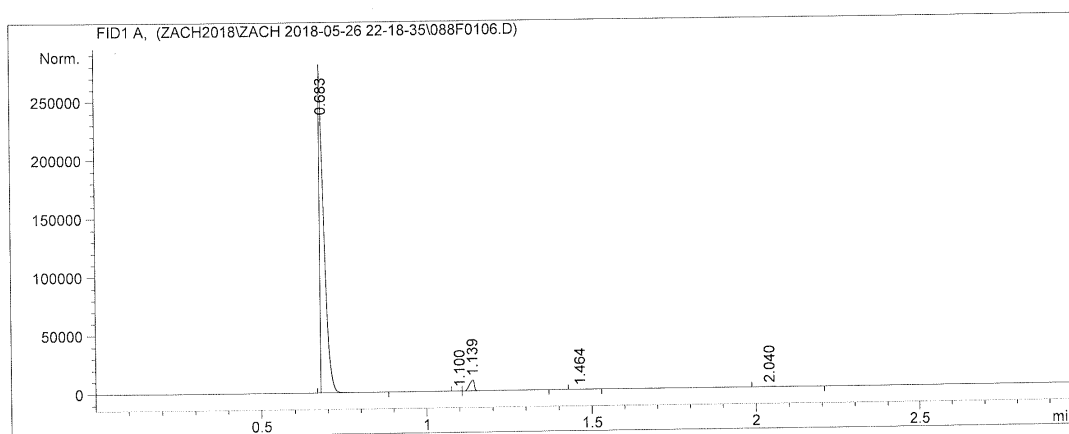
*** End of Report ***

Dihydrocinnamaldehyde: Sequence #2 – Run #6

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 22-18-35\088F0106.D
Sample Name: hydrocinnama

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 22:39:39              Inj       :    6
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 22-18-35\Z1.M
Last changed    : 5/26/2018 9:31:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.683	BB S	0.0165	2.52106e5	2.34506e5	96.21932
2	1.100	BV	0.0163	8.45582	8.49320	0.00323
3	1.139	VB S	0.0169	9568.06641	9254.76270	3.65177
4	1.464	BB	0.0364	5.88822	2.35419	0.00225
5	2.040	BB	0.0497	323.42157	94.05947	0.12344

Totals : 2.62012e5 2.43866e5

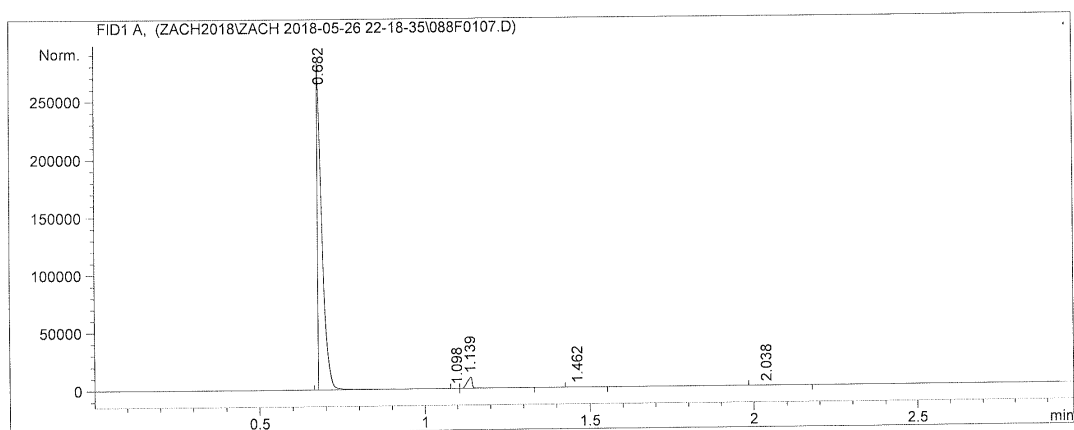
*** End of Report ***

Dihydrocinnamaldehyde: Sequence #2 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 22-18-35\088F0107.D
Sample Name: hydrocinnama

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 22:43:38              Inj       :    7
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 22-18-35\Z1.M
Last changed    : 5/26/2018 9:31:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.682	BV S	0.0151	2.65361e5	2.60496e5	96.32018
2	1.098	BV T	0.0137	3.91291	4.68624	0.00142
3	1.139	VB S	0.0169	9953.51367	9593.07813	3.61291
4	1.462	BB	0.0392	7.09153	2.58662	0.00257
5	2.038	BB	0.0498	173.35033	51.29303	0.06292

Totals : 2.75499e5 2.70148e5

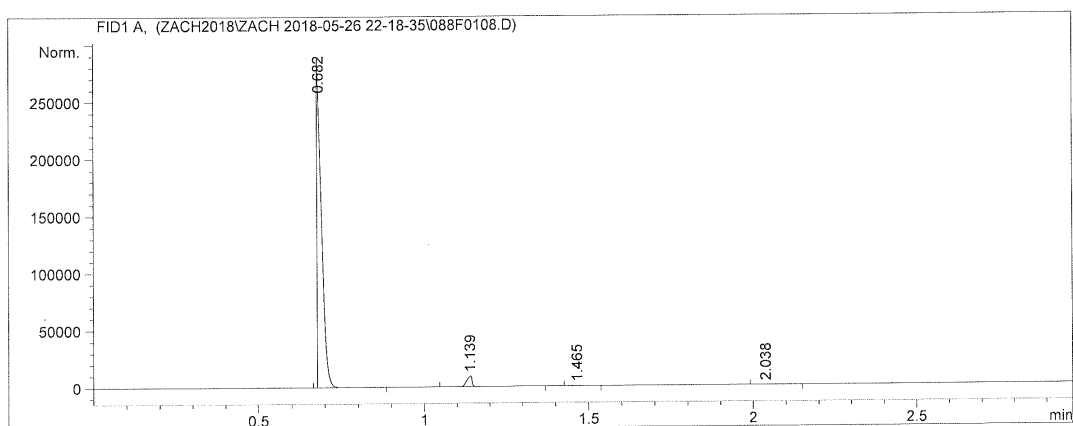
*** End of Report ***

Dihydrocinnamaldehyde: Sequence #2 – Run #8

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 22-18-35\088F0108.D
Sample Name: hydrocinnama

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 22:47:40              Inj       :    8
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 22-18-35\Z1.M
Last changed    : 5/26/2018 9:31:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.682	BB S	0.0163	2.67914e5	2.54180e5	96.29508
2	1.139	BB S	0.0196	1.02171e4	9060.01563	3.67229
3	1.465	BB	0.0394	6.79227	2.52426	0.00244
4	2.038	BB	0.0475	84.00304	25.88731	0.03019

Totals : 2.78222e5 2.63268e5

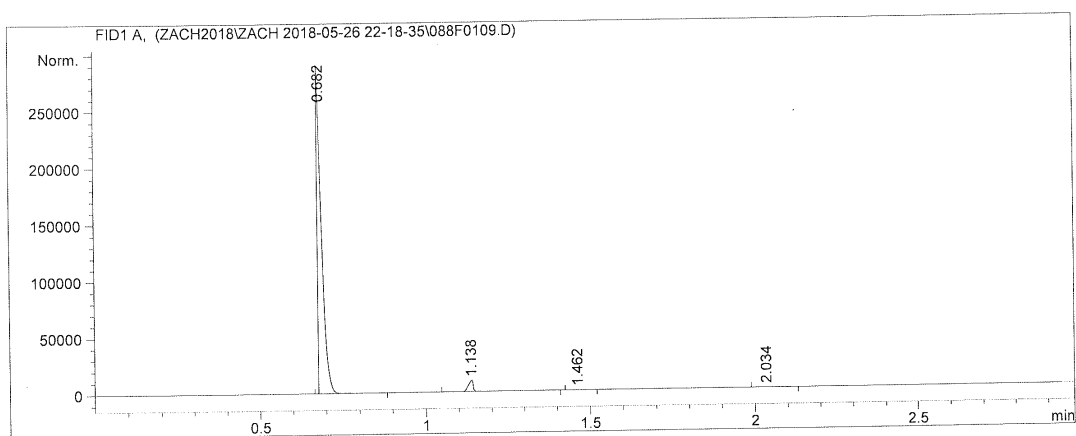
*** End of Report ***

Dihydrocinnamaldehyde: Sequence #2 – Run #9

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 22-18-35\088F0109.D
Sample Name: hydrocinnama

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 22:51:39              Inj       :    9
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 22-18-35\Z1.M
Last changed    : 5/26/2018 9:31:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.682	BB S	0.0152	2.60707e5	2.54204e5	96.29989
2	1.138	BB S	0.0169	9961.48926	9592.00781	3.67957
3	1.462	BB	0.0381	6.54341	2.60241	0.00242
4	2.034	BB	0.0479	49.05052	15.27610	0.01812

Totals : 2.70724e5 2.63814e5

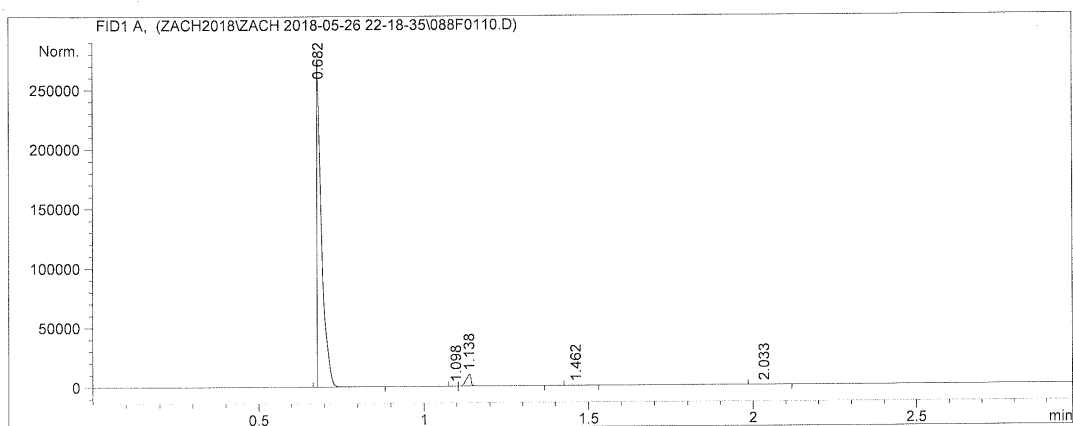
*** End of Report ***

Dihydrocinnamaldehyde: Sequence #2 – Run #10

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 22-18-35\088F0110.D

Sample Name: hydrocinnama

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 22:55:42              Inj       :   10
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 22-18-35\Z1.M
Last changed    : 5/26/2018 9:31:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.682	BB S	0.0151	2.63699e5	2.58128e5	96.28377
2	1.098	BV	0.0147	5.26269	5.67920	0.00192
3	1.138	VB S	0.0178	1.01393e4	9735.86133	3.70213
4	1.462	BB	0.0372	6.36515	2.47477	0.00232
5	2.033	BB	0.0473	26.97133	8.53145	0.00985

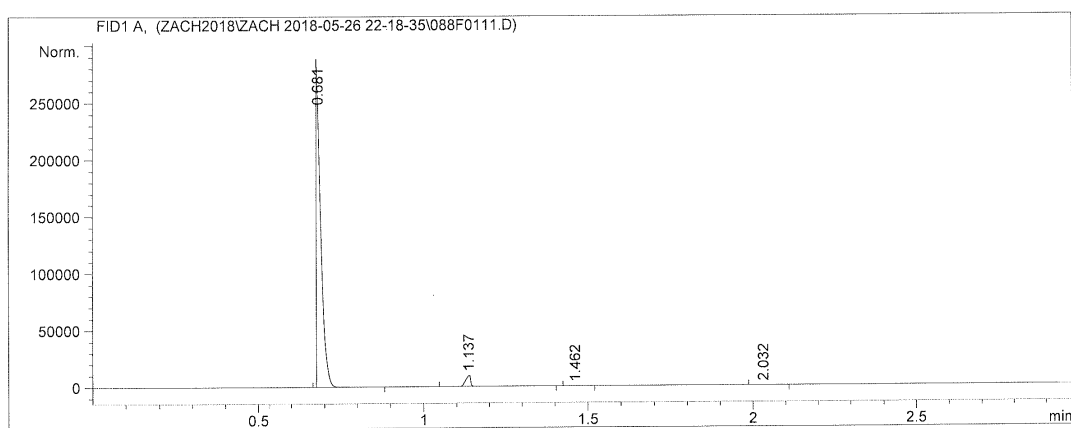
Totals : 2.73877e5 2.67880e5

*** End of Report ***

Dihydrocinnamaldehyde: Sequence #2 – Run #11

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-26 22-18-35\088F0111.D
 Sample Name: hydrocinnama

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 26-May-18, 22:59:42              Inj       :   11
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-26 22-18-35\Z1.M
Last changed    : 5/26/2018 9:31:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.681	BB S	0.0159	2.66401e5	2.44634e5	96.27655
2	1.137	BB S	0.0180	1.02786e4	9679.03418	3.71466
3	1.462	BB	0.0379	6.24181	2.50651	0.00226
4	2.032	BB	0.0439	18.08913	6.01813	0.00654

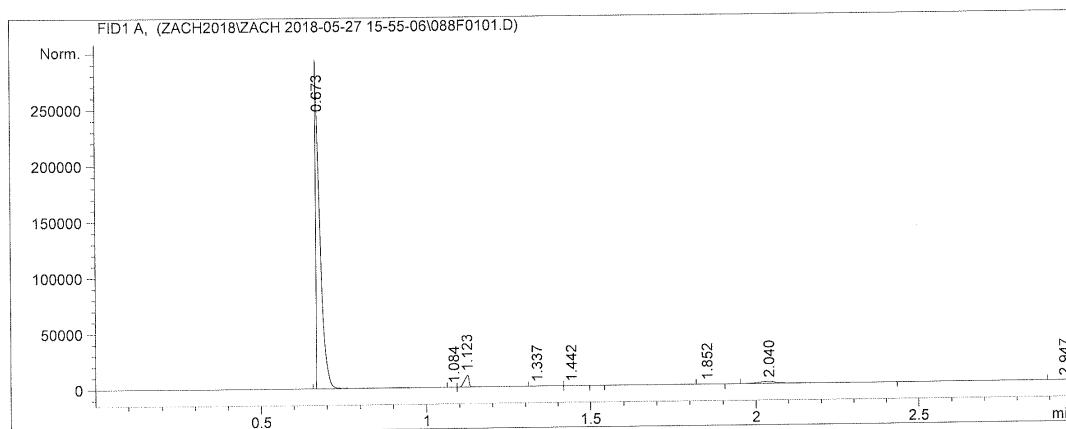
Totals : 2.76704e5 2.54321e5

*** End of Report ***

Dihydrocinnamaldehyde: Sequence #3 – Run #1

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-27 15-55-06\088F0101.D
Sample Name: hydrocinnama

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 27-May-18, 15:56:17              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-27 15-55-06\Z1.M
Last changed    : 5/26/2018 9:31:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

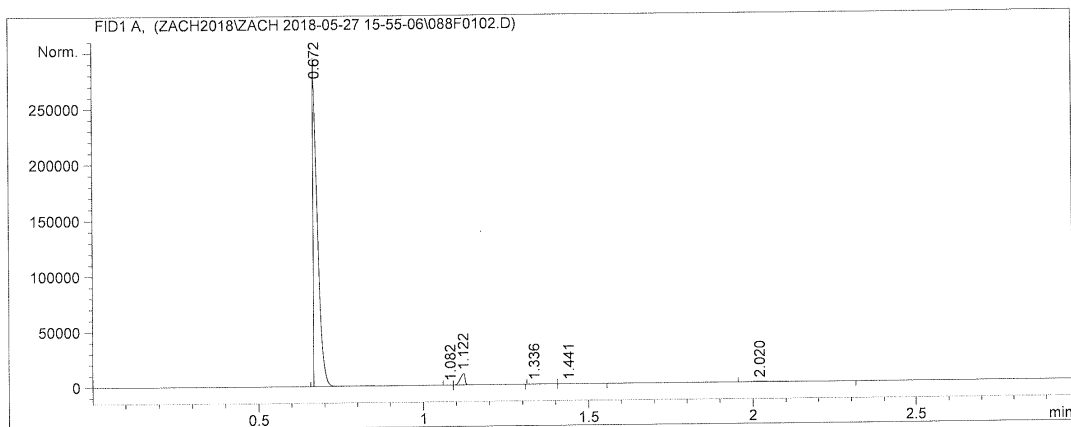
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.673	BV S	0.0156	2.60068e5	2.43919e5	93.59969
2	1.084	BV T	0.0140	7.70719	9.90924	0.00277
3	1.123	VB S	0.0164	1.03968e4	1.04473e4	3.74185
4	1.337	BV X	0.0369	11.87423	4.92756	0.00427
5	1.442	VB X	0.0367	6.32790	2.71998	0.00228
6	1.852	BB	0.0298	3.09561	1.60114	0.00111
7	2.040	BB	0.0550	7350.83936	1855.92151	2.64560
8	2.947	BBA	0.0371	6.71427	2.84509	0.00242

Totals : 2.77851e5 2.56244e5

Dihydrocinnamaldehyde: Sequence #3 – Run #2

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-27 15-55-06\088F0102.D
Sample Name: hydrocinnama

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 27-May-18, 16:00:18              Inj       :    2
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-27 15-55-06\Z1.M
Last changed    : 5/26/2018 9:31:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

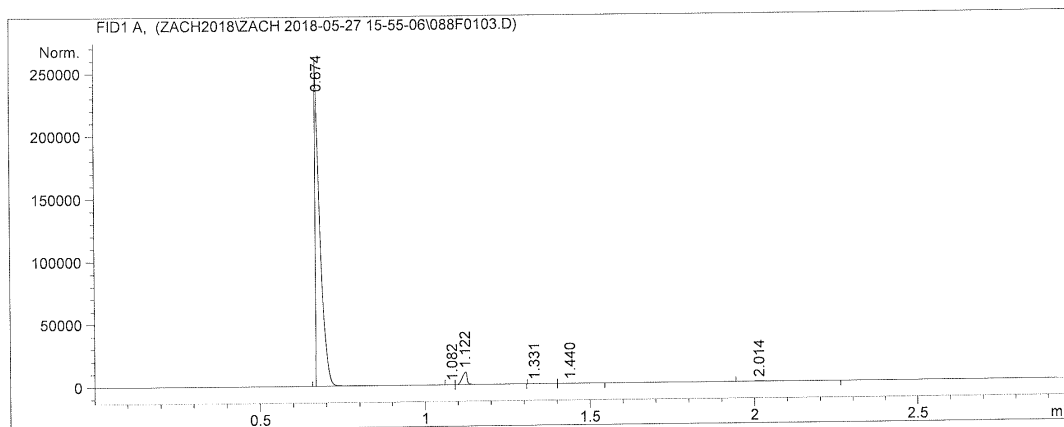
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.672	BV S	0.0144	2.64132e5	2.75566e5	95.59092
2	1.082	BV T	0.0134	7.44439	9.22194	0.00269
3	1.122	VB S	0.0169	1.03913e4	1.00030e4	3.76068
4	1.336	BB	0.0371	4.51409	1.96880	0.00163
5	1.441	BB	0.0388	6.66951	2.40404	0.00241
6	2.020	BB	0.0639	1773.01514	398.89908	0.64167

Totals : 2.76315e5 2.85981e5

Dihydrocinnamaldehyde: Sequence #3 – Run #3

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-27 15-55-06\088F0103.D
Sample Name: hydrocinnama

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 27-May-18, 16:04:19              Inj       :    3
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-27 15-55-06\Z1.M
Last changed    : 5/26/2018 9:31:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.674	BV S	0.0155	2.61040e5	2.31698e5	95.69035
2	1.082	BV T	0.0135	7.54095	9.25784	0.00276
3	1.122	VB S	0.0174	1.05300e4	9775.53418	3.86001
4	1.331	BB	0.0362	4.44401	2.00801	0.00163
5	1.440	BB	0.0437	7.02100	2.29125	0.00257
6	2.014	BB	0.0639	1207.60278	271.60892	0.44267

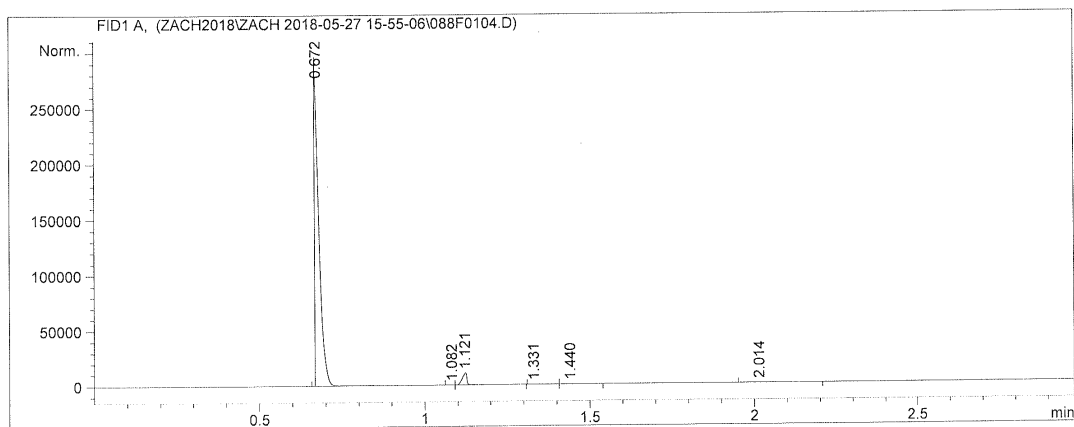
Totals : 2.72797e5 2.41758e5

Dihydrocinnamaldehyde: Sequence #3 – Run #4

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-27 15-55-06\088F0104.D

Sample Name: hydrocinnama

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 88
Injection Date  : 27-May-18, 16:08:19              Inj       :    4
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-27 15-55-06\Z1.M
Last changed    : 5/26/2018 9:31:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

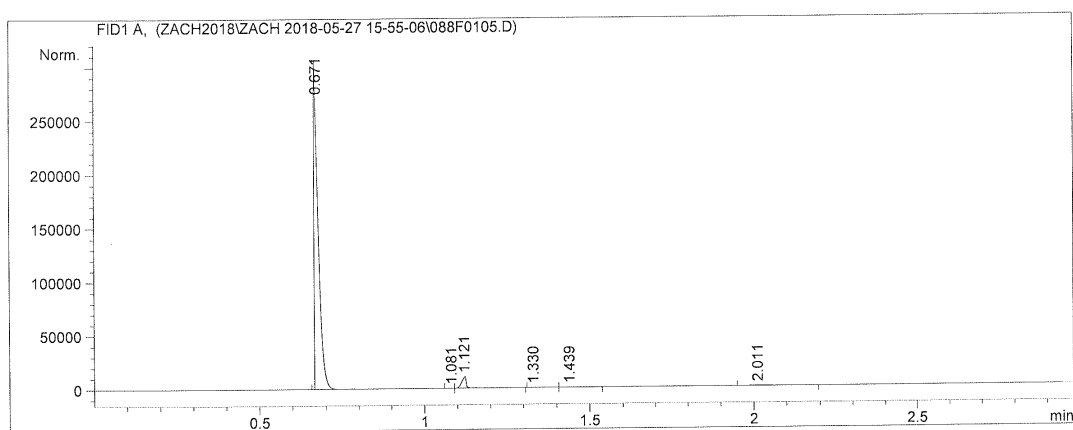
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.672	BV S	0.0143	2.65456e5	2.77881e5	95.91655
2	1.082	BV T	0.0140	7.39281	8.65102	0.00267
3	1.121	VB S	0.0156	1.04527e4	1.05475e4	3.77685
4	1.331	BB	0.0389	4.06336	1.70855	0.00147
5	1.440	BB	0.0432	7.36119	2.33423	0.00266
6	2.014	BB	0.0558	829.72516	217.21327	0.29980

Totals : 2.76758e5 2.88659e5

Dihydrocinnamaldehyde: Sequence #3 – Run #5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-27 15-55-06\088F0105.D
Sample Name: hydrocinnama

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 27-May-18, 16:12:20              Inj       :    5
                                                Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-27 15-55-06\Z1.M
Last changed    : 5/26/2018 9:31:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.671	BV S	0.0143	2.57980e5	2.70910e5	95.99170
2	1.081	BV T	0.0147	7.01569	8.28606	0.00261
3	1.121	VB S	0.0152	1.01071e4	1.05533e4	3.76076
4	1.330	BB	0.0345	2.94527	1.47328	0.00110
5	1.439	BB	0.0427	7.01913	2.35676	0.00261
6	2.011	BB	0.0560	648.30005	168.76337	0.24123

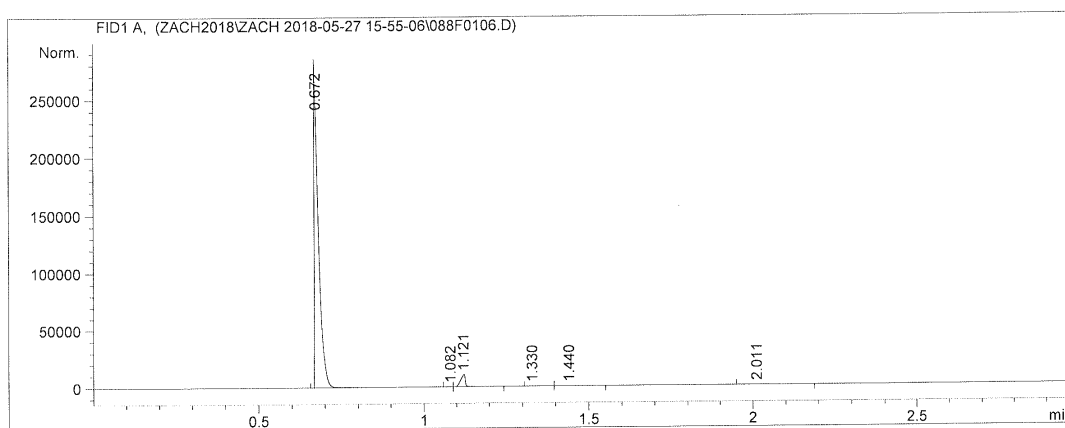
Totals : 2.68753e5 2.81644e5

Dihydrocinnamaldehyde: Sequence #3 – Run #6

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-27 15-55-06\088F0106.D
Sample Name: hydrocinnama

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 27-May-18, 16:16:19              Inj       :    6
                                                Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-27 15-55-06\Z1.M
Last changed    : 5/26/2018 9:31:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

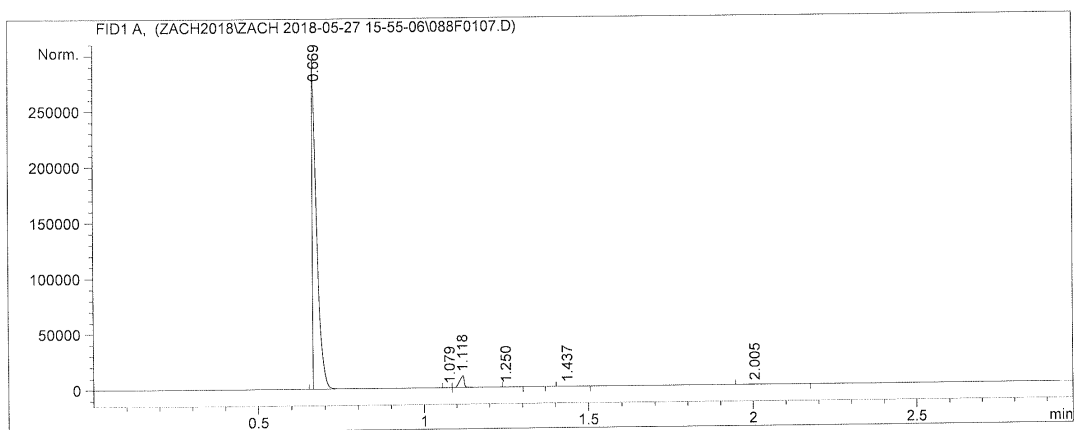
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.672	BV S	0.0157	2.55761e5	2.37816e5	95.98018
2	1.082	BV T	0.0122	3.75409	5.41163	0.00141
3	1.121	VB S	0.0163	1.01782e4	1.03262e4	3.81962
4	1.330	BB	0.0345	3.81009	1.49784	0.00143
5	1.440	BB	0.0428	7.34513	2.40649	0.00276
6	2.011	BB	0.0566	518.58289	138.24364	0.19461

Totals : 2.66473e5 2.48290e5

Dihydrocinnamaldehyde: Sequence #3 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-27 15-55-06\088F0107.D
Sample Name: hydrocinnama

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 27-May-18, 16:20:21              Inj       :    7
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-27 15-55-06\Z1.M
Last changed    : 5/26/2018 9:31:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.669	BV S	0.0147	2.69726e5	2.74575e5	96.11038
2	1.079	BV T	0.0126	3.64334	4.96324	0.00130
3	1.118	VB S	0.0164	1.04838e4	1.05744e4	3.73566
4	1.250	BB X	0.0134	1.44276	1.79880	0.00051
5	1.437	BB	0.0373	6.28220	2.43565	0.00224
6	2.005	BB	0.0552	420.70691	111.43099	0.14991

Totals : 2.80642e5 2.85270e5

Dihydrocinnamaldehyde: Sequence #3 – Run #8

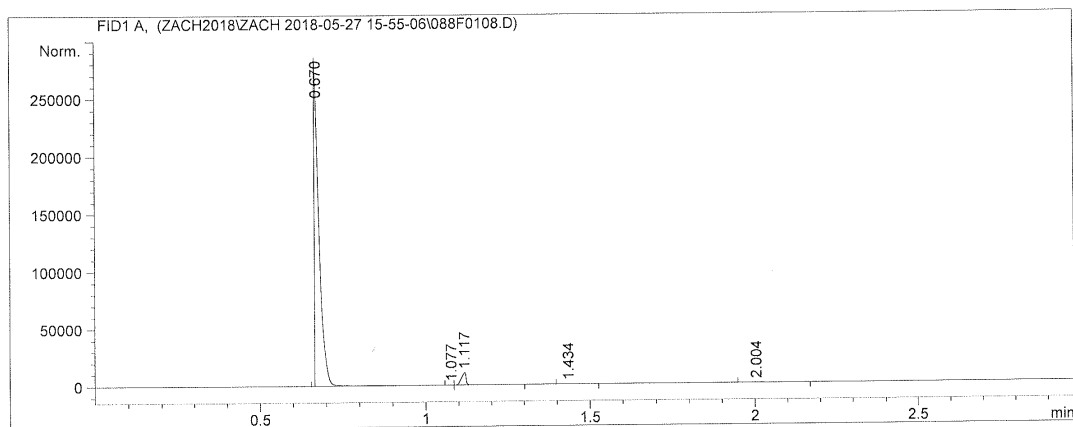
Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-27 15-55-06\088F0108.D

Sample Name: hydrocinnama

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 27-May-18, 16:24:21              Inj       :    8
                                                Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-27 15-55-06\Z1.M
Last changed    : 5/26/2018 9:31:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



```

=====
                          Area Percent Report
=====

```

```

Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs

```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.670	BV S	0.0162	2.74140e5	2.46967e5	96.06312
2	1.077	BV T	0.0134	4.44452	5.48976	0.00156
3	1.117	VB S	0.0171	1.08687e4	1.03008e4	3.80858
4	1.434	BB	0.0397	6.61749	2.37645	0.00232
5	2.004	BB	0.0561	355.07730	92.24311	0.12442

```
Totals :                2.85375e5  2.57368e5
```

```

=====
*** End of Report ***

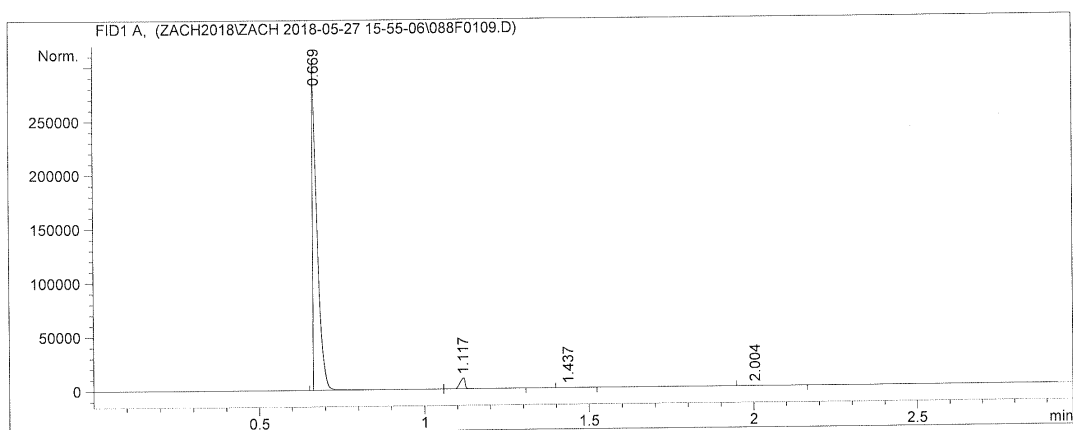
```

Dihydrocinnamaldehyde: Sequence #3 – Run #9

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-27 15-55-06\088F0109.D
Sample Name: hydrocinnama

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 27-May-18, 16:28:24              Inj       :    9
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-27 15-55-06\Z1.M
Last changed    : 5/26/2018 9:31:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.669	BV S	0.0154	2.92064e5	2.78630e5	96.34579
2	1.117	VB S	0.0186	1.07969e4	9678.38184	3.56166
3	1.437	BB	0.0411	6.76084	2.38233	0.00223
4	2.004	BB	0.0536	273.79507	75.36882	0.09032

Totals : 3.03142e5 2.88386e5

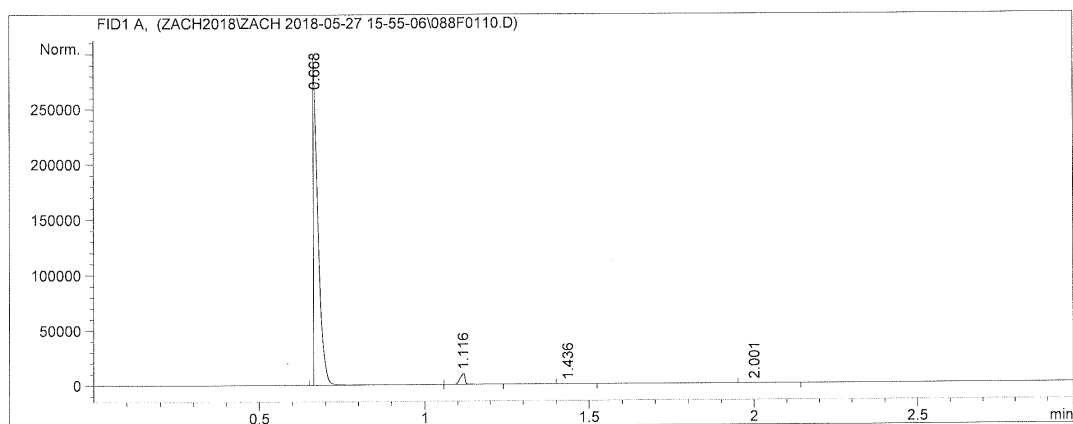
*** End of Report ***

Dihydrocinnamaldehyde: Sequence #3 – Run #10

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-27 15-55-06\088F0110.D

Sample Name: hydrocinnama

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 27-May-18, 16:32:25              Inj       :   10
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-27 15-55-06\Z1.M
Last changed    : 5/26/2018 9:31:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.668	BV S	0.0157	2.83996e5	2.64161e5	96.37836
2	1.116	VB S	0.0182	1.04734e4	9727.11816	3.55432
3	1.436	BB	0.0402	6.74149	2.38009	0.00229
4	2.001	BB	0.0497	191.65532	56.86667	0.06504

Totals : 2.94668e5 2.73947e5

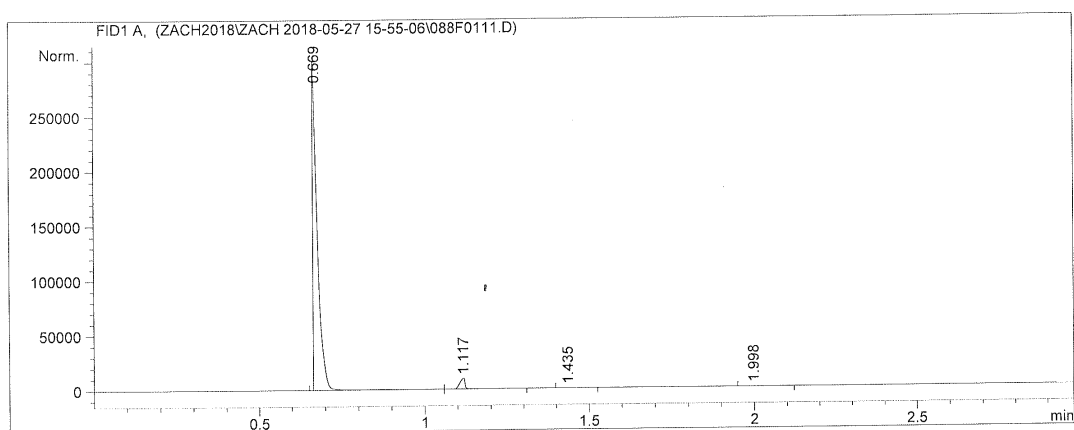
*** End of Report ***

Dihydrocinnamaldehyde: Sequence #3 – Run #11

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-27 15-55-06\088F0111.D
Sample Name: hydrocinnama

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 27-May-18, 16:36:27              Inj       :   11
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-27 15-55-06\Z1.M
Last changed    : 5/26/2018 9:31:03 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.669	BV S	0.0152	2.89358e5	2.81559e5	96.42368
2	1.117	VB S	0.0187	1.06215e4	9494.67188	3.53946
3	1.435	BB	0.0415	6.40251	2.28342	0.00213
4	1.998	BB	0.0480	104.21521	31.65380	0.03473

Totals : 3.00090e5 2.91088e5

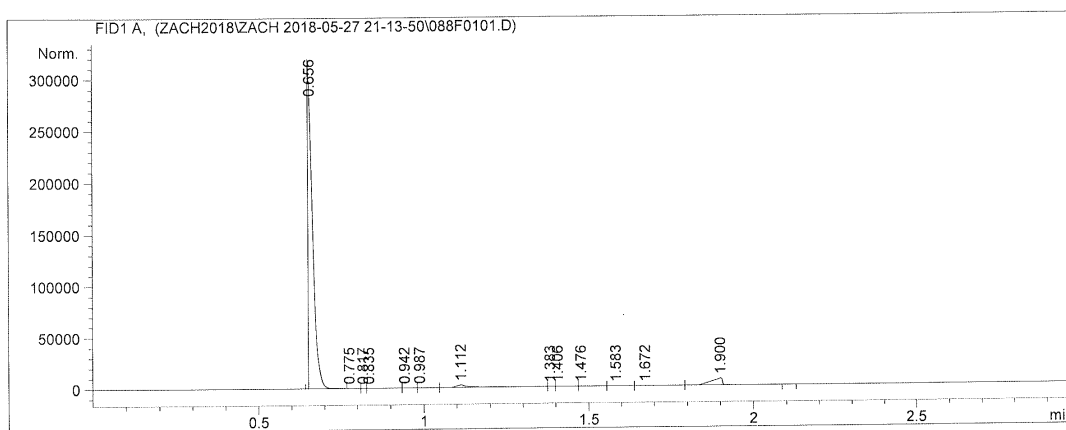
*** End of Report ***

Thiophene-2-carboxaldehyde Sequence #1 – Run #1

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-27 21-13-50\088F0101.D
Sample Name: 2-thio

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 88
Injection Date  : 27-May-18, 21:15:45              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-27 21-13-50\Z1.M
Last changed    : 5/27/2018 9:13:48 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.656	BB S	0.0169	3.08561e5	2.79393e5	93.37499
2	0.775	BV X	0.0157	23.95789	25.45866	0.00725
3	0.817	VV X	7.94e-3	4.85287	10.18111	0.00147
4	0.835	VV X	0.0126	8.16082	10.80689	0.00247
5	0.942	VV X	0.0146	3.15164	3.59123	0.00095
6	0.987	VV X	0.0272	3.60226	2.20332	0.00109
7	1.112	VV X	0.0344	5871.59619	2377.26147	1.77683
8	1.383	VV X	0.0196	17.87978	15.19742	0.00541
9	1.406	VV X	0.0496	37.60131	12.64606	0.01138
10	1.476	VV X	0.0589	26.53295	7.50364	0.00803
11	1.583	VV X	0.0297	24.28363	11.37354	0.00735

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-27 21-13-50\088F0101.D
 Sample Name: 2-thio

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 27-May-18, 21:15:45              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-27 21-13-50\Z1.M
Last changed    : 5/27/2018 9:13:48 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```

```
=====
Peak RetTime Type Width Area Height Area
# [min] [min] [pA*s] [pA] %
----|-----|----|-----|-----|-----|
12 1.672 VV X 0.0267 83.12631 47.83618 0.02516
13 1.900 VB T 0.0329 1.57878e4 6548.25049 4.77763
=====
```

Totals : 3.30454e5 2.88466e5

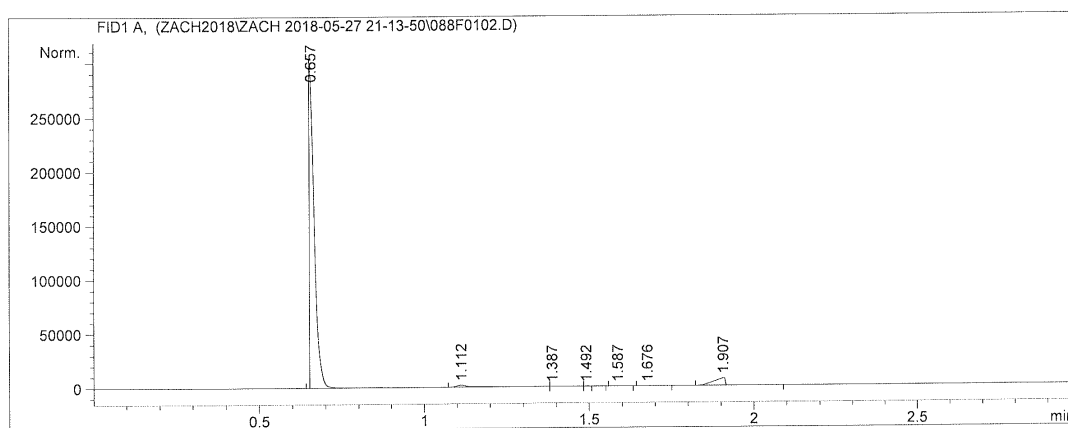
*** End of Report ***

Thiophene-2-carboxaldehyde Sequence #1 – Run #2

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-27 21-13-50\088F0102.D
Sample Name: 2-thio

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 27-May-18, 21:19:44              Inj       :    2
                                                Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-27 21-13-50\Z1.M
Last changed    : 5/27/2018 9:13:48 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.657	BB S	0.0171	3.13154e5	2.78740e5	93.53929
2	1.112	BV X	0.0350	4771.18750	1946.87866	1.42516
3	1.387	VV X	0.0514	22.24678	7.21971	0.00665
4	1.492	VB X	0.0121	1.29392	1.78122	0.00039
5	1.587	BB	0.0237	12.82387	8.25344	0.00383
6	1.676	BB	0.0271	77.36341	45.44598	0.02311
7	1.907	BB	0.0312	1.67444e4	6973.89404	5.00158

Totals : 3.34783e5 2.87723e5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-27 21-13-50\088F0102.D

Sample Name: 2-thio

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 27-May-18, 21:19:44              Inj       :    2
                                                Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-27 21-13-50\Z1.M
Last changed    : 5/27/2018 9:13:48 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```

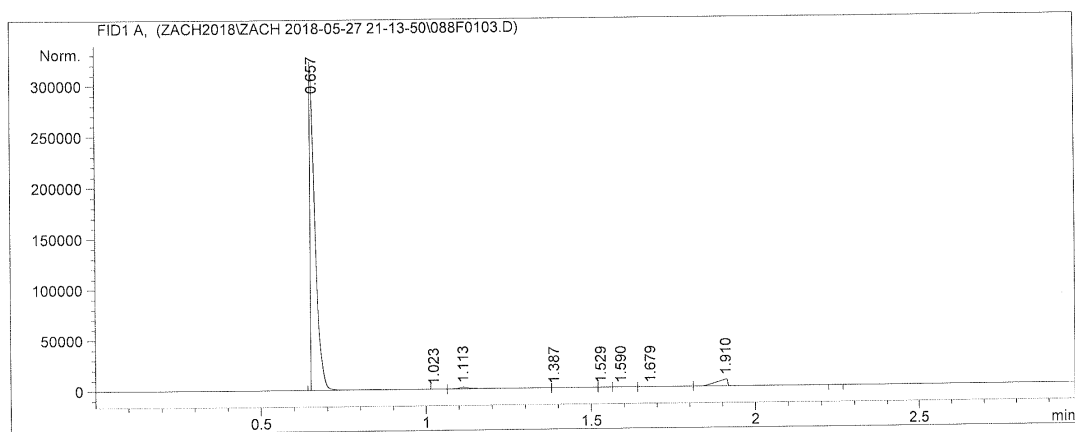
```
=====
*** End of Report ***
```

Thiophene-2-carboxaldehyde Sequence #1 – Run #3

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-27 21-13-50\088F0103.D
Sample Name: 2-thio

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 88
Injection Date  : 27-May-18, 21:23:45              Inj       :    3
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-27 21-13-50\Z1.M
Last changed    : 5/27/2018 9:13:48 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.657	BB S	0.0175	3.33160e5	2.87703e5	94.18890
2	1.023	BV X	0.0142	3.48458	4.09524	0.00099
3	1.113	VV X	0.0332	4009.39624	1646.22571	1.13351
4	1.387	VV X	0.0484	19.37513	6.67841	0.00548
5	1.529	VV X	0.0228	1.80016	1.31583	0.00051
6	1.590	VV X	0.0274	12.38701	7.76667	0.00350
7	1.679	VV X	0.0265	78.22131	47.23868	0.02211
8	1.910	VB X	0.0339	1.64301e4	6762.44873	4.64501

Totals : 3.53715e5 2.96179e5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-27 21-13-50\088F0103.D
Sample Name: 2-thio

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 27-May-18, 21:23:45              Inj       :    3
                                                Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-27 21-13-50\Z1.M
Last changed    : 5/27/2018 9:13:48 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```

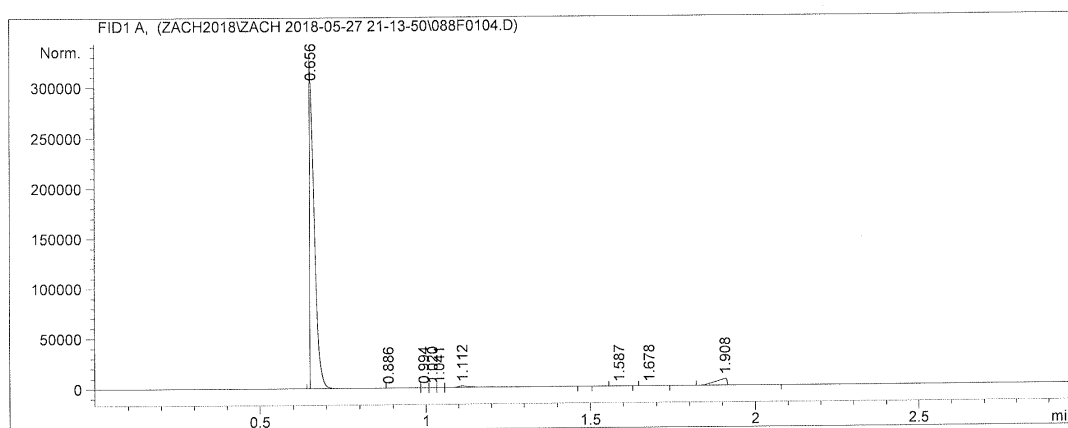
```
=====
*** End of Report ***
```


Thiophene-2-carboxaldehyde Sequence #1 – Run #4

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-27 21-13-50\088F0104.D
Sample Name: 2-thio

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 27-May-18, 21:27:45              Inj       :    4
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-27 21-13-50\Z1.M
Last changed    : 5/27/2018 9:13:48 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.656	BB S	0.0156	3.10065e5	3.11434e5	93.96436
2	0.886	BV X	0.0407	8.49154	3.47624	0.00257
3	0.994	VV X	0.0100	2.64810	4.40429	0.00080
4	1.020	VV X	0.0177	2.32392	2.18652	0.00070
5	1.041	VV X	9.42e-3	1.77537	3.14140	0.00054
6	1.112	VB X	0.0346	3667.97485	1477.40479	1.11157
7	1.587	BB	0.0219	12.48086	8.49923	0.00378
8	1.678	BB	0.0253	76.17230	47.10828	0.02308
9	1.908	BB	0.0323	1.61446e4	6655.03418	4.89259

Totals : 3.29982e5 3.19636e5

Instrument 1 7/6/2018 10:14:55 PM Zach Taylor

Page 1 of 2

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-27 21-13-50\088F0104.D
Sample Name: 2-thio

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 88
Injection Date  : 27-May-18, 21:27:45              Inj       :    4
                                                Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-27 21-13-50\Z1.M
Last changed    : 5/27/2018 9:13:48 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```

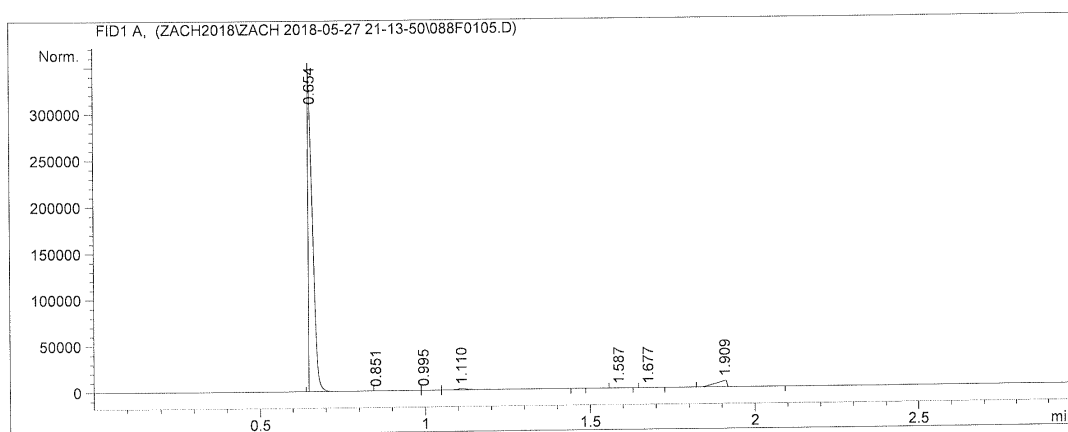
```
=====
*** End of Report ***
=====
```

Thiophene-2-carboxaldehyde Sequence #1 – Run #5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-27 21-13-50\088F0105.D
Sample Name: 2-thio

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 27-May-18, 21:31:46              Inj       :    5
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-27 21-13-50\Z1.M
Last changed    : 5/27/2018 9:13:48 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.654	BB S	0.0161	3.15749e5	3.05265e5	93.98808
2	0.851	BV X	0.0668	15.69845	3.91535	0.00467
3	0.995	VV X	0.0113	2.35711	3.48388	0.00070
4	1.110	VB T	0.0316	3413.13452	1484.83716	1.01598
5	1.587	BB	0.0224	11.64378	8.50204	0.00347
6	1.677	BB	0.0230	77.60952	51.89759	0.02310
7	1.909	BB	0.0331	1.66763e4	7072.66650	4.96400

Totals : 3.35945e5 3.13890e5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-27 21-13-50\088F0105.D
Sample Name: 2-thio

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 27-May-18, 21:31:46              Inj       :    5
                                                Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-27 21-13-50\Z1.M
Last changed    : 5/27/2018 9:13:48 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```

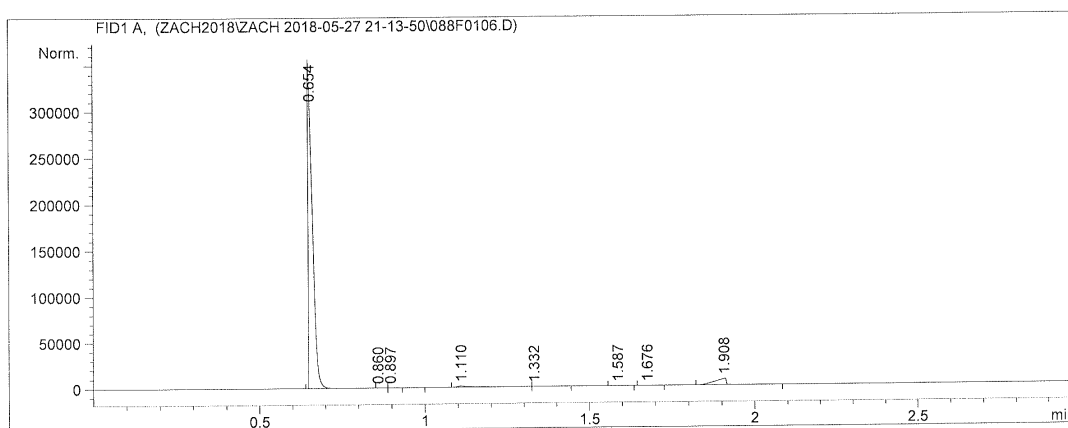
*** End of Report ***

Thiophene-2-carboxaldehyde Sequence #1 – Run #6

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-27 21-13-50\088F0106.D
Sample Name: 2-thio

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 27-May-18, 21:35:44              Inj       :    6
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-27 21-13-50\Z1.M
Last changed    : 5/27/2018 9:13:48 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.654	BB S	0.0162	3.18865e5	3.06033e5	94.21966
2	0.860	BV X	0.0152	3.22664	3.52897	0.00095
3	0.897	VB X	0.0151	3.34678	3.68483	0.00099
4	1.110	BV	0.0317	3055.51953	1324.88965	0.90286
5	1.332	VB	0.0313	19.87535	8.01942	0.00587
6	1.587	BB	0.0212	11.78379	8.40337	0.00348
7	1.676	BB	0.0229	75.39151	50.97127	0.02228
8	1.908	BB	0.0324	1.63931e4	6726.94824	4.84391

Totals : 3.38428e5 3.14159e5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-27 21-13-50\088F0106.D
Sample Name: 2-thio

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 27-May-18, 21:35:44              Inj       :    6
                                                Inj Volume: 1 µl

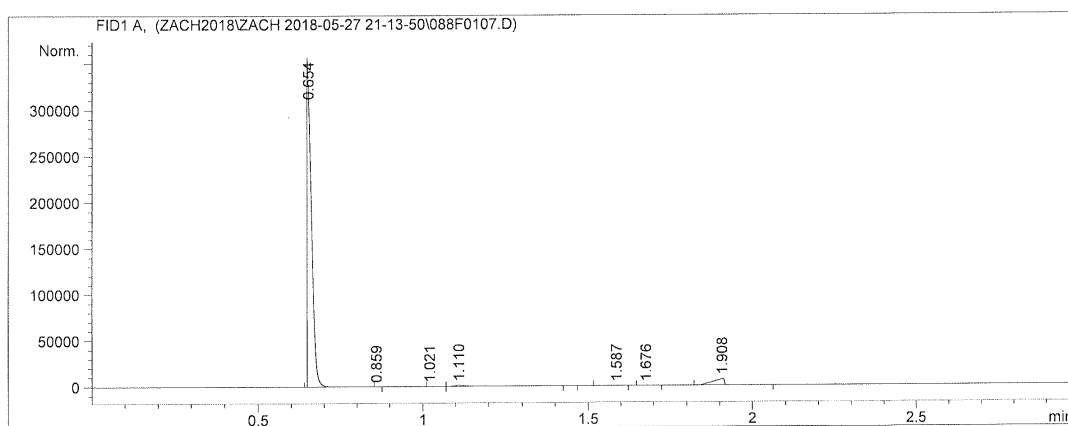
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-27 21-13-50\Z1.M
Last changed    : 5/27/2018 9:13:48 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```

```
=====
*** End of Report ***
```

Thiophene-2-carboxaldehyde Sequence #1 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-27 21-13-50\088F0107.D
Sample Name: 2-thio

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 27-May-18, 21:39:45              Inj       :    7
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-27 21-13-50\Z1.M
Last changed    : 5/27/2018 9:13:48 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.654	BB S	0.0162	3.20240e5	3.06775e5	94.25195
2	0.859	BB X	9.59e-3	3.58326	6.22546	0.00105
3	1.021	BV X	0.0210	2.71981	2.15596	0.00080
4	1.110	VB X	0.0332	2861.74487	1175.72705	0.84226
5	1.587	BB	0.0213	11.95433	8.43043	0.00352
6	1.676	BB	0.0229	77.01523	51.96950	0.02267
7	1.908	BB	0.0359	1.65731e4	6739.01611	4.87775

Totals : 3.39770e5 3.14758e5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-27 21-13-50\088F0107.D

Sample Name: 2-thio

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 88
Injection Date  : 27-May-18, 21:39:45              Inj       :    7
                                                Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-27 21-13-50\Z1.M
Last changed    : 5/27/2018 9:13:48 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```

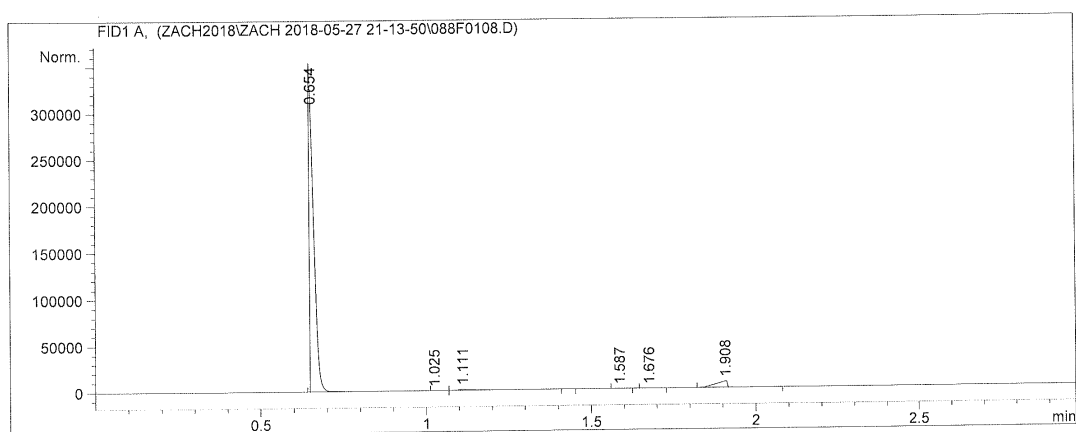
```
=====
*** End of Report ***
```


Thiophene-2-carboxaldehyde Sequence #1 – Run #8

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-27 21-13-50\088F0108.D
Sample Name: 2-thio

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 27-May-18, 21:43:44              Inj       :    8
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-27 21-13-50\Z1.M
Last changed    : 5/27/2018 9:13:48 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.654	BB S	0.0162	3.18038e5	3.04879e5	94.23346
2	1.025	BV X	0.0147	1.27619	1.45121	0.00038
3	1.111	VB X	0.0346	2732.97510	1098.36267	0.80977
4	1.587	BB	0.0201	10.91884	8.31613	0.00324
5	1.676	BB	0.0233	77.08017	50.92181	0.02284
6	1.908	BB	0.0328	1.66398e4	6750.44678	4.93032

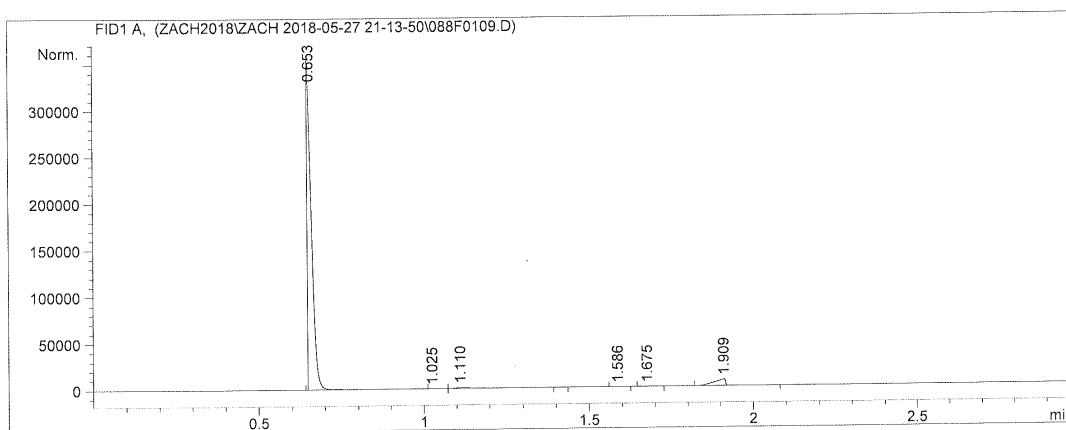
Totals : 3.37500e5 3.12788e5

Thiophene-2-carboxaldehyde Sequence #1 – Run #9

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-27 21-13-50\088F0109.D
Sample Name: 2-thio

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 27-May-18, 21:47:45              Inj       :    9
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-27 21-13-50\Z1.M
Last changed    : 5/27/2018 9:13:48 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

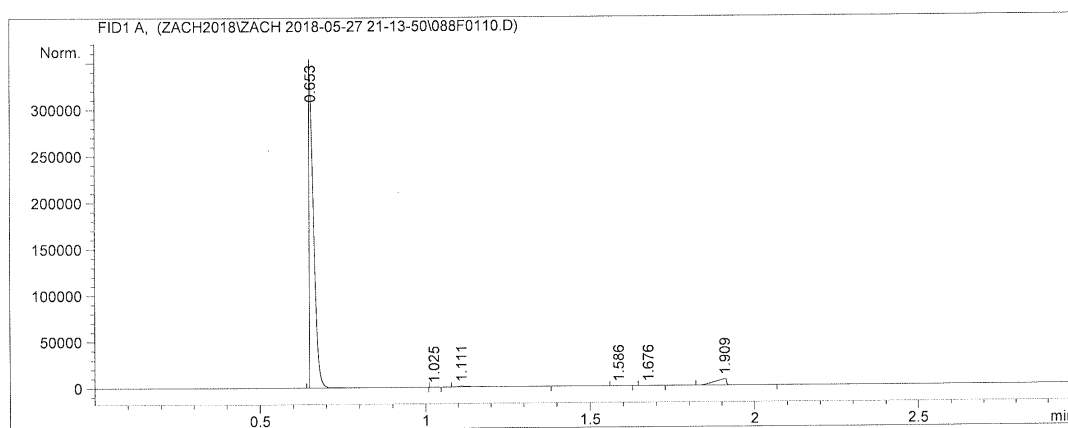
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.653	BB S	0.0150	3.19794e5	3.40034e5	94.14394
2	1.025	BV X	0.0147	1.58128	1.60789	0.00047
3	1.110	VB X	0.0345	2605.56201	1050.51697	0.76705
4	1.586	BB	0.0198	11.27022	8.75544	0.00332
5	1.675	BB	0.0237	79.65941	53.58542	0.02345
6	1.909	BB	0.0346	1.71942e4	7118.56055	5.06178

Totals : 3.39686e5 3.48267e5

Thiophene-2-carboxaldehyde Sequence #1 – Run #10

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-27 21-13-50\088F0110.D
Sample Name: 2-thio

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 88
Injection Date  : 27-May-18, 21:51:45              Inj       :   10
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-27 21-13-50\Z1.M
Last changed    : 5/27/2018 9:13:48 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.653	BB S	0.0163	3.18572e5	3.03339e5	94.20927
2	1.025	BB	0.0123	1.11077	1.41782	0.00033
3	1.111	BB	0.0346	2379.92651	956.66144	0.70380
4	1.586	BB	0.0199	11.31566	8.76094	0.00335
5	1.676	BB	0.0229	79.54186	53.54683	0.02352
6	1.909	BB	0.0324	1.71097e4	6826.69043	5.05973

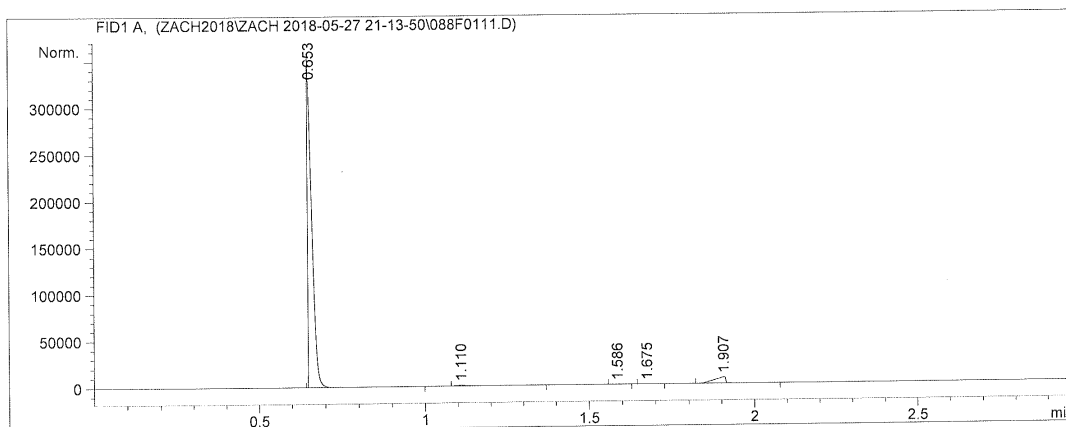
Totals : 3.38154e5 3.11186e5

Thiophene-2-carboxaldehyde Sequence #1 – Run #11

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-27 21-13-50\088F0111.D
Sample Name: 2-thio

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 27-May-18, 21:55:45              Inj       :   11
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-27 21-13-50\Z1.M
Last changed    : 5/27/2018 9:13:48 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By       : Signal
Multiplier      : 1.0000
Dilution        : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.653	BB S	0.0149	3.15465e5	3.36451e5	94.49656
2	1.110	BB	0.0351	2069.91479	819.23126	0.62004
3	1.586	BB	0.0209	10.64335	8.12404	0.00319
4	1.675	BB	0.0239	74.98531	49.93809	0.02246
5	1.907	BB	0.0327	1.62170e4	6597.41895	4.85775

Totals : 3.33837e5 3.43925e5

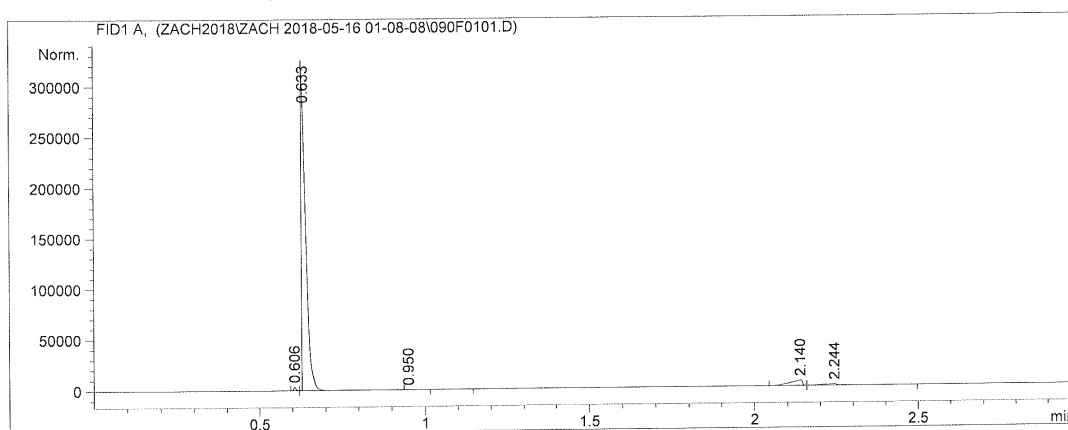
*** End of Report ***

Thiophene-2-carboxaldehyde Sequence #2 – Run #1

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-16 01-08-08\090F0101.D
Sample Name: 2-thiophene #2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 90
Injection Date  : 16-May-18, 01:09:10              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-16 01-08-08\Z1.M
Last changed    : 5/16/2018 12:20:10 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.606	BV S	8.42e-3	1713.74780	3321.92432	0.55653
2	0.633	VB S	0.0172	2.88110e5	2.79601e5	93.56213
3	0.950	BB X	0.0297	14.07081	7.90895	0.00457
4	2.140	BV	0.0366	1.38030e4	5199.21094	4.48245
5	2.244	VB	0.0439	4293.57373	1254.93701	1.39432

Totals : 3.07934e5 2.89385e5

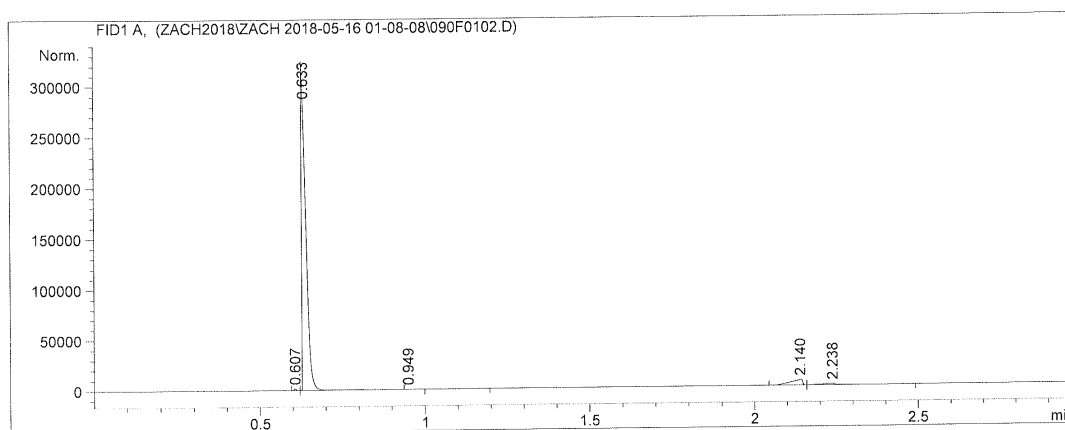
*** End of Report ***

Thiophene-2-carboxaldehyde Sequence #2 – Run #2

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-16 01-08-08\090F0102.D
 Sample Name: 2-thiophene #2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 90
Injection Date  : 16-May-18, 01:13:16              Inj       :    2
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-16 01-08-08\Z1.M
Last changed    : 5/16/2018 12:20:10 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.607	BV S	9.08e-3	776.73907	1355.62146	0.25033
2	0.633	VB S	0.0172	2.91698e5	2.83205e5	94.00934
3	0.949	BB X	0.0298	13.19814	7.38152	0.00425
4	2.140	BV	0.0348	1.39841e4	5292.16748	4.50684
5	2.238	VB	0.0471	3814.12939	1137.50854	1.22923

Totals : 3.10286e5 2.90997e5

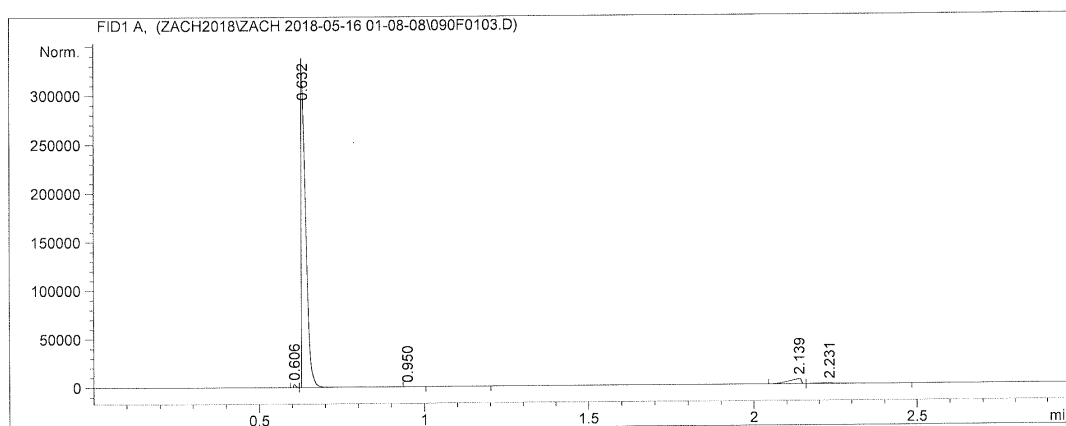
*** End of Report ***

Thiophene-2-carboxaldehyde Sequence #2 – Run #3

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-16 01-08-08\090F0103.D
 Sample Name: 2-thiophene #2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 16-May-18, 01:17:18              Inj       :    3
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-16 01-08-08\Z1.M
Last changed    : 5/16/2018 12:20:10 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.606	BV S	8.46e-3	1593.79614	3070.42456	0.47932
2	0.632	VB S	0.0180	3.14022e5	2.90684e5	94.43990
3	0.950	BB X	0.0276	16.56835	8.19834	0.00498
4	2.139	BV	0.0374	1.35765e4	5243.55273	4.08305
5	2.231	VB	0.0475	3300.98120	974.91516	0.99275

Totals : 3.32510e5 2.99981e5

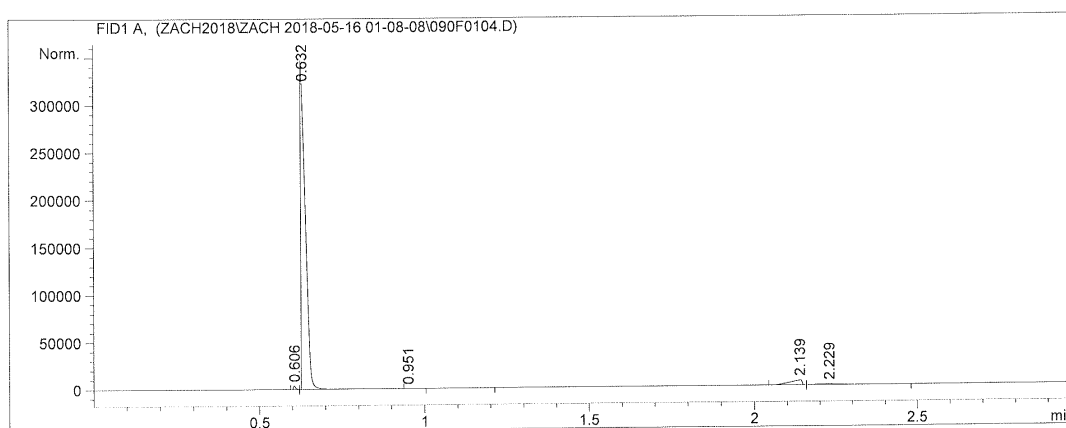
*** End of Report ***

Thiophene-2-carboxaldehyde Sequence #2 – Run #4

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-16 01-08-08\090F0104.D
Sample Name: 2-thiophene #2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 16-May-18, 01:21:21             Inj       :    4
                                                Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-16 01-08-08\Z1.M
Last changed    : 5/16/2018 12:20:10 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.606	BV S	8.31e-3	1831.92981	3615.75537	0.52314
2	0.632	VB S	0.0169	3.31923e5	3.28149e5	94.78606
3	0.951	BB X	0.0312	19.28153	10.04039	0.00551
4	2.139	BV	0.0353	1.33855e4	5265.67920	3.82245
5	2.229	VB	0.0460	3021.53467	907.64771	0.86285

Totals : 3.50182e5 3.37948e5

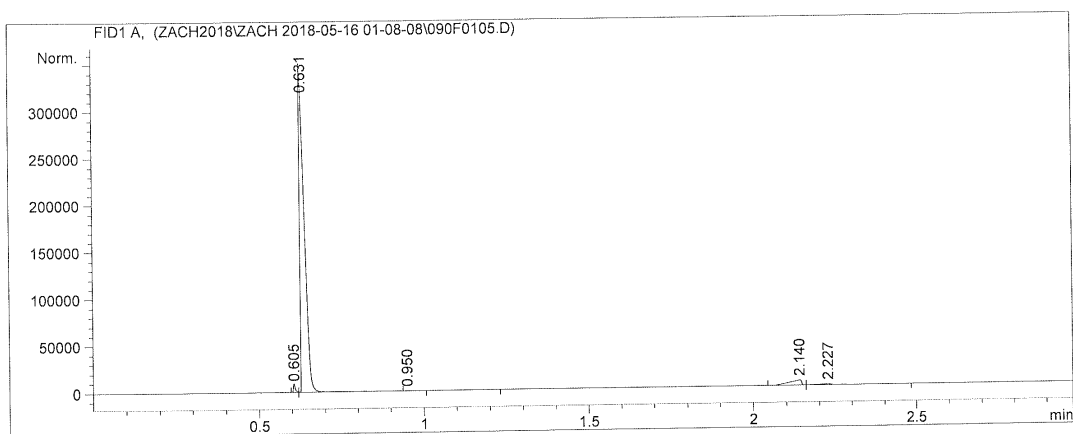
*** End of Report ***

Thiophene-2-carboxaldehyde Sequence #2 – Run #5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-16 01-08-08\090F0105.D
Sample Name: 2-thiophene #2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 16-May-18, 01:25:23              Inj       :    5
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-16 01-08-08\Z1.M
Last changed    : 5/16/2018 12:20:10 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.605	BV S	7.44e-3	3610.84497	7208.96680	1.00974
2	0.631	VB S	0.0178	3.37309e5	3.15299e5	94.32574
3	0.950	BB X	0.0288	17.23225	8.67190	0.00482
4	2.140	BV	0.0337	1.37542e4	5264.75684	3.84625
5	2.227	VB	0.0484	2908.91064	893.03796	0.81345

Totals : 3.57600e5 3.28675e5

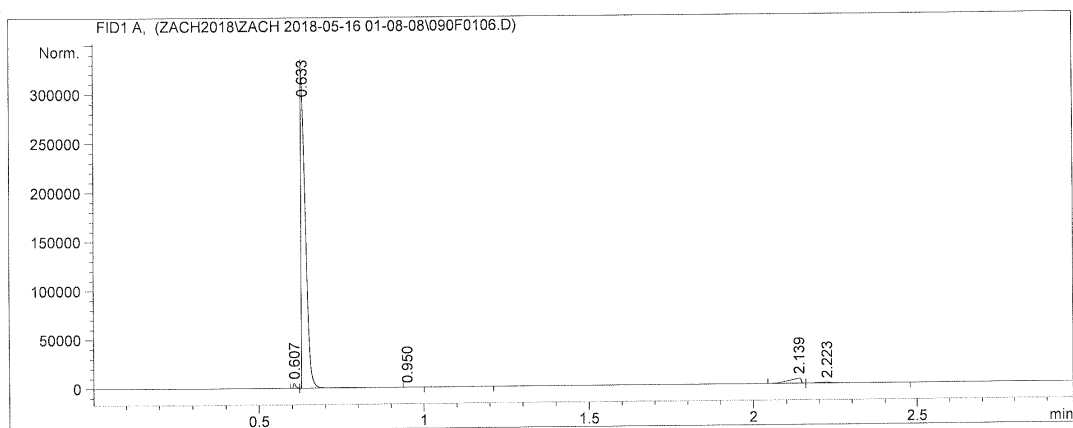
*** End of Report ***

Thiophene-2-carboxaldehyde Sequence #2 – Run #6

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-16 01-08-08\090F0106.D
 Sample Name: 2-thiophene #2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 90
Injection Date  : 16-May-18, 01:29:27              Inj       :    6
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-16 01-08-08\Z1.M
Last changed    : 5/16/2018 12:20:10 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.607	BV S	8.58e-3	2519.96899	4753.76172	0.77579
2	0.633	VB S	0.0174	3.06198e5	2.92608e5	94.26546
3	0.950	BB X	0.0241	14.14540	8.22143	0.00435
4	2.139	BV	0.0352	1.33923e4	5280.50977	4.12294
5	2.223	VB	0.0546	2700.78784	815.61304	0.83146

Totals : 3.24825e5 3.03466e5

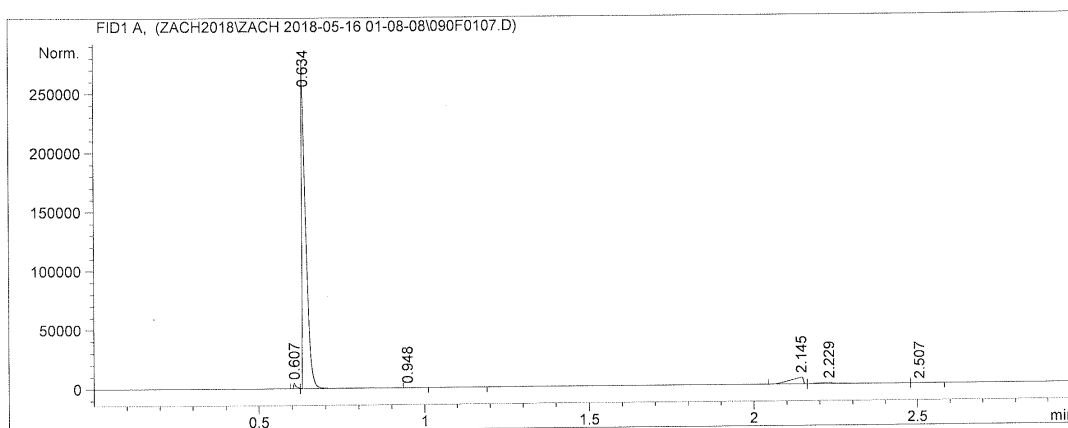
*** End of Report ***

Thiophene-2-carboxaldehyde Sequence #2 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-16 01-08-08\090F0107.D
Sample Name: 2-thiophene #2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 16-May-18, 01:33:28              Inj       :    7
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-16 01-08-08\Z1.M
Last changed    : 5/16/2018 12:20:10 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.607	BV S	9.28e-3	2353.05591	3990.50830	0.93370
2	0.634	VB S	0.0153	2.30883e5	2.51844e5	91.61518
3	0.948	BB X	0.0264	18.89857	10.18552	0.00750
4	2.145	BV	0.0354	1.55758e4	5649.39258	6.18053
5	2.229	VB	0.0444	3173.69336	974.28351	1.25933
6	2.507	BB	0.0458	9.48364	2.80713	0.00376

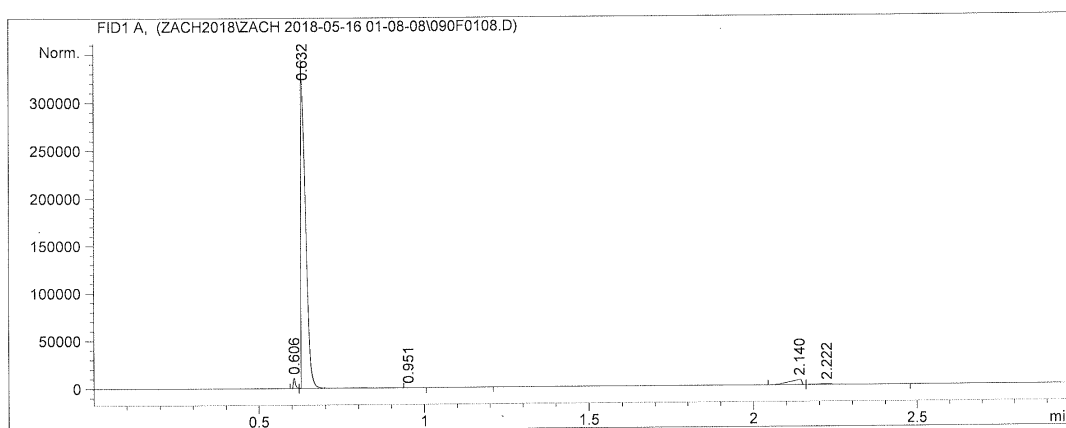
Totals : 2.52014e5 2.62471e5

Thiophene-2-carboxaldehyde Sequence #2 – Run #8

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-16 01-08-08\090F0108.D
Sample Name: 2-thiophene #2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 16-May-18, 01:37:31              Inj       :    8
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-16 01-08-08\Z1.M
Last changed    : 5/16/2018 12:20:10 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.606	BV S	8.07e-3	4940.27930	1.01633e4	1.39636
2	0.632	VB S	0.0169	3.32479e5	3.27803e5	93.97429
3	0.951	BB X	0.0266	16.03223	8.92276	0.00453
4	2.140	BV	0.0355	1.38588e4	5272.06934	3.91715
5	2.222	VB	0.0508	2503.71094	752.87439	0.70767

Totals : 3.53798e5 3.44000e5

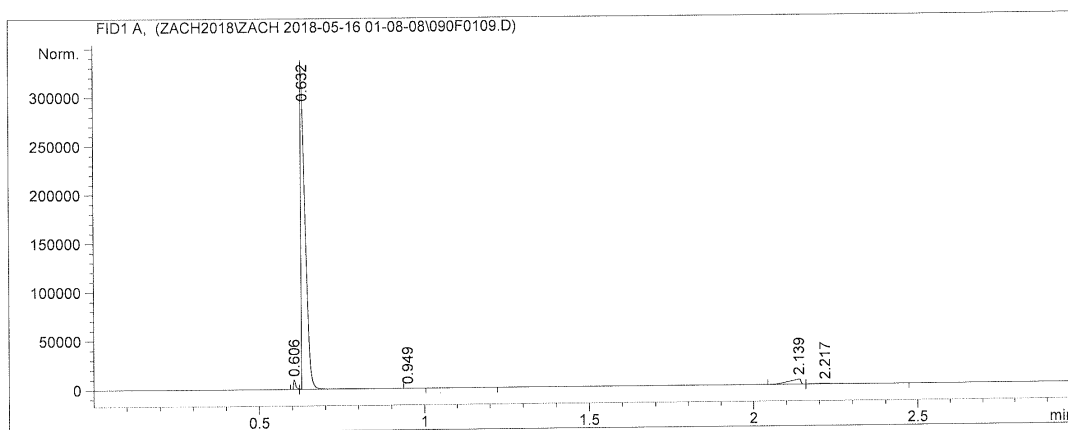
*** End of Report ***

Thiophene-2-carboxaldehyde Sequence #2 – Run #9

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-16 01-08-08\090F0109.D
Sample Name: 2-thiophene #2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 16-May-18, 01:41:33              Inj       :    9
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-16 01-08-08\Z1.M
Last changed    : 5/16/2018 12:20:10 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.606	BV S	8.27e-3	4444.90967	8839.26465	1.38595
2	0.632	VB S	0.0172	3.00607e5	2.91032e5	93.73144
3	0.949	BB X	0.0269	16.73009	9.18284	0.00522
4	2.139	BV	0.0335	1.33321e4	5276.47119	4.15704
5	2.217	VB	0.0478	2310.24927	691.24426	0.72035

Totals : 3.20711e5 3.05848e5

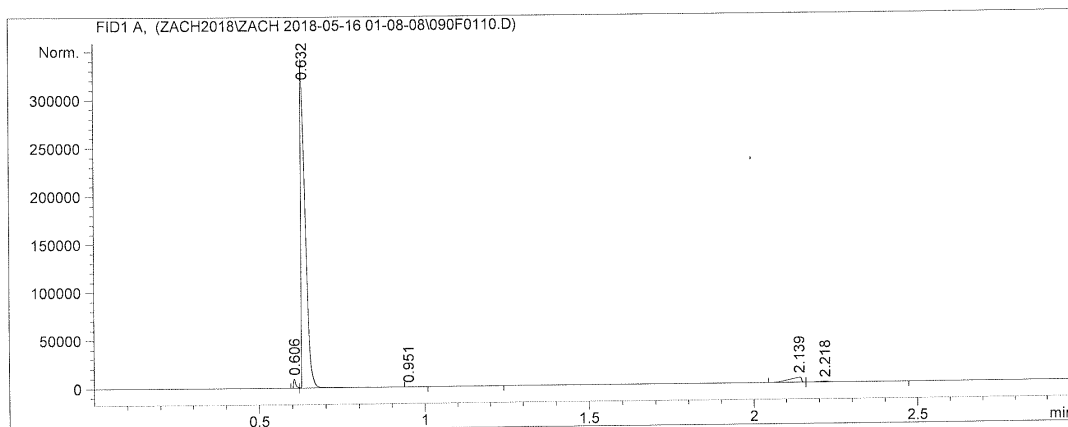
*** End of Report ***

Thiophene-2-carboxaldehyde Sequence #2 – Run #10

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-16 01-08-08\090F0110.D
Sample Name: 2-thiophene #2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 90
Injection Date  : 16-May-18, 01:45:37              Inj       :   10
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-16 01-08-08\Z1.M
Last changed    : 5/16/2018 12:20:10 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.606	BV S	8.26e-3	4402.12207	8758.28711	1.29933
2	0.632	VB S	0.0160	3.18600e5	3.30862e5	94.03784
3	0.951	BB X	0.0257	15.43427	8.63466	0.00456
4	2.139	BV	0.0344	1.35429e4	5204.33740	3.99731
5	2.218	VB	0.0496	2239.33325	679.48114	0.66096

Totals : 3.38800e5 3.45512e5

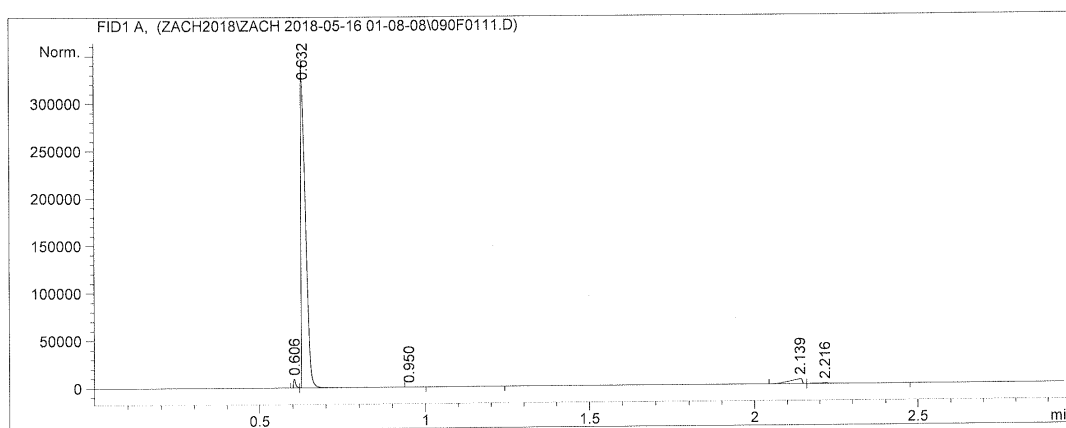
*** End of Report ***

Thiophene-2-carboxaldehyde Sequence #2 – Run #11

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-16 01-08-08\090F0111.D
Sample Name: 2-thiophene #2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 16-May-18, 01:49:39              Inj       :   11
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-16 01-08-08\Z1.M
Last changed    : 5/16/2018 12:20:10 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.606	BV S	8.23e-3	4348.30518	8696.58594	1.28132
2	0.632	VB S	0.0161	3.19296e5	3.30465e5	94.08745
3	0.950	BB X	0.0306	17.15326	9.16356	0.00505
4	2.139	BV	0.0384	1.35781e4	5204.98779	4.00107
5	2.216	VB	0.0500	2121.39063	638.63373	0.62511

Totals : 3.39361e5 3.45014e5

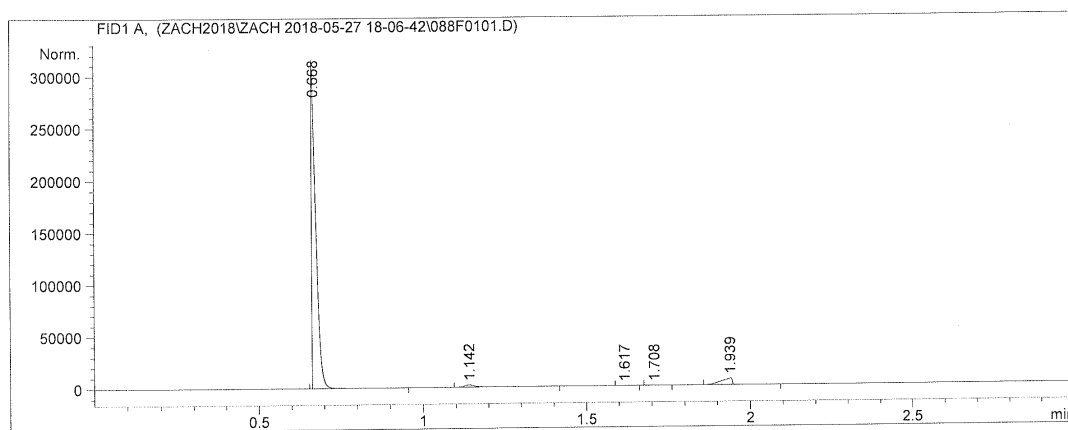
*** End of Report ***

Thiophene-2-carboxaldehyde Sequence #3 – Run #1

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-27 18-06-42\088F0101.D
 Sample Name: 2-thiophene

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 27-May-18, 18:07:41              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-27 18-06-42\Z1.M
Last changed    : 5/27/2018 5:15:20 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.668	BB S	0.0151	2.80753e5	2.75982e5	93.57184
2	1.142	BB	0.0357	4925.51270	2074.67554	1.64162
3	1.617	BB	0.0221	9.55095	6.73360	0.00318
4	1.708	BB	0.0259	66.14202	41.29598	0.02204
5	1.939	BB	0.0309	1.42859e4	6190.32910	4.76132

Totals : 3.00040e5 2.84295e5

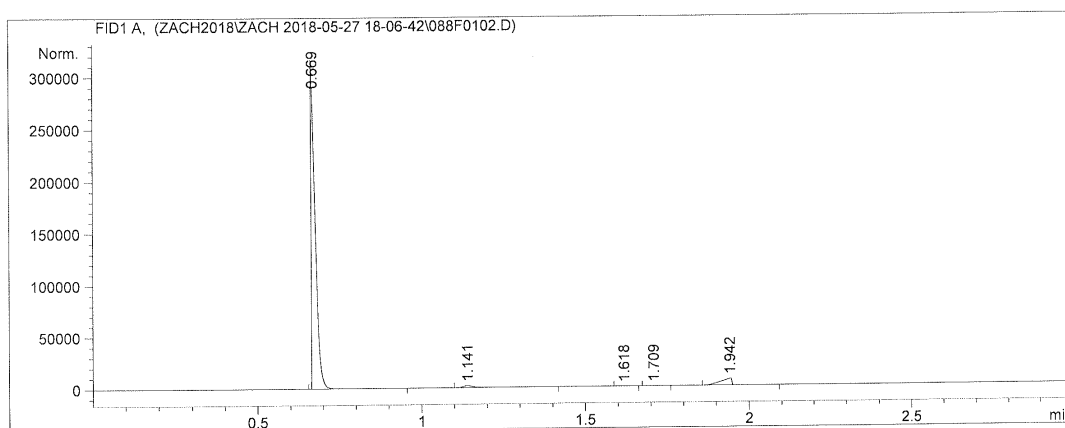
*** End of Report ***

Thiophene-2-carboxaldehyde Sequence #3 – Run #2

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-27 18-06-42\088F0102.D
Sample Name: 2-thiophene

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 27-May-18, 18:11:43              Inj       :    2
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-27 18-06-42\Z1.M
Last changed    : 5/27/2018 5:15:20 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.669	BB S	0.0143	2.72178e5	2.85145e5	93.26562
2	1.141	BB	0.0335	4420.25781	1905.24951	1.51466
3	1.618	BB	0.0218	9.92391	7.16173	0.00340
4	1.709	BB	0.0256	70.52287	44.73869	0.02417
5	1.942	BB	0.0344	1.51523e4	6496.71826	5.19215

Totals : 2.91831e5 2.93599e5

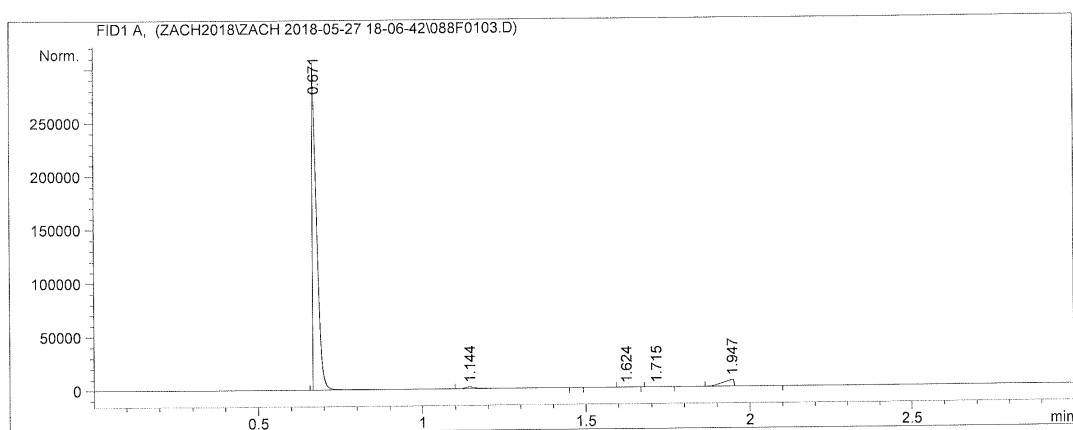
*** End of Report ***

Thiophene-2-carboxaldehyde Sequence #3 – Run #3

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-27 18-06-42\088F0103.D
 Sample Name: 2-thiophene

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 27-May-18, 18:15:44              Inj       :    3
                                                Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-27 18-06-42\Z1.M
Last changed    : 5/27/2018 5:15:20 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.671	BB S	0.0153	2.82601e5	2.72655e5	93.84321
2	1.144	BB X	0.0352	3873.79932	1614.01770	1.28637
3	1.624	BB	0.0235	9.93880	6.78205	0.00330
4	1.715	BB	0.0262	67.85239	41.57864	0.02253
5	1.947	BB	0.0300	1.45891e4	6346.33350	4.84459

Totals : 3.01142e5 2.80664e5

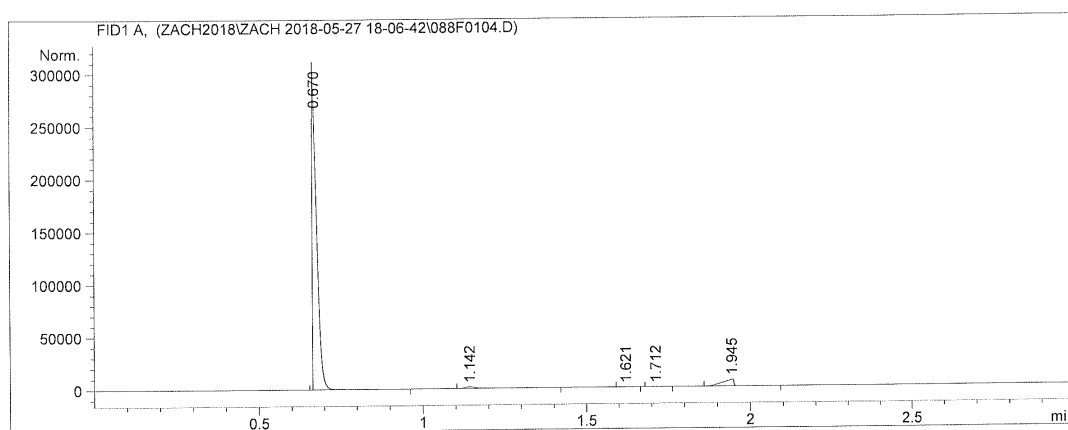
*** End of Report ***

Thiophene-2-carboxaldehyde Sequence #3 – Run #4

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-27 18-06-42\088F0104.D
Sample Name: 2-thiophene

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 88
Injection Date  : 27-May-18, 18:19:46              Inj       :    4
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-27 18-06-42\Z1.M
Last changed    : 5/27/2018 5:15:20 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.670	BB S	0.0165	2.82532e5	2.63435e5	93.81868
2	1.142	BB	0.0348	3667.66943	1547.71118	1.21790
3	1.621	BB	0.0231	9.71215	6.77999	0.00323
4	1.712	BB	0.0253	68.92242	42.52570	0.02289
5	1.945	BB	0.0314	1.48685e4	6336.38525	4.93731

Totals : 3.01147e5 2.71368e5

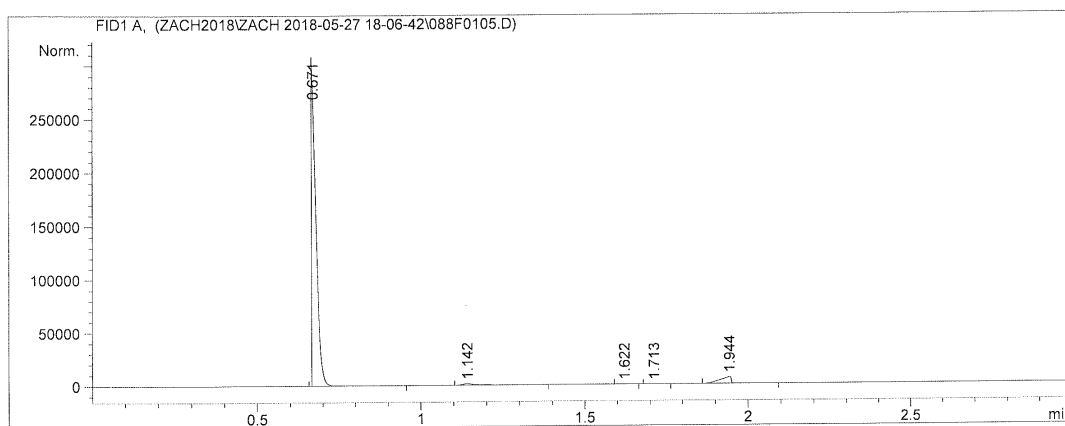
*** End of Report ***

Thiophene-2-carboxaldehyde Sequence #3 – Run #5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-27 18-06-42\088F0105.D
 Sample Name: 2-thiophene

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 88
Injection Date  : 27-May-18, 18:23:47              Inj       :    5
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-27 18-06-42\Z1.M
Last changed    : 5/27/2018 5:15:20 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.671	BB S	0.0156	2.81135e5	2.64362e5	94.07752
2	1.142	BB	0.0346	3285.82593	1399.68518	1.09955
3	1.622	BB	0.0233	9.47204	6.54790	0.00317
4	1.713	BB	0.0254	66.74464	40.95613	0.02234
5	1.944	BB	0.0313	1.43363e4	6306.40186	4.79743

Totals : 2.98833e5 2.72116e5

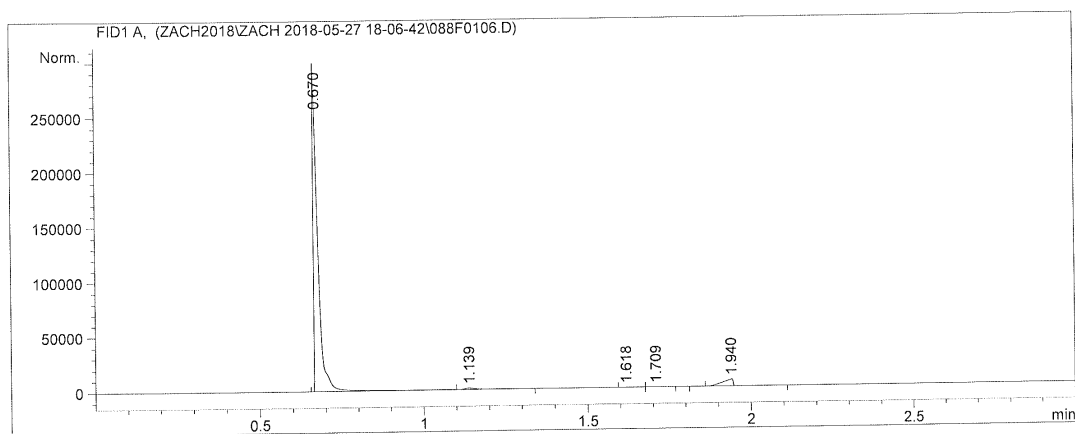
*** End of Report ***

Thiophene-2-carboxaldehyde Sequence #3 – Run #6

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-27 18-06-42\088F0106.D
Sample Name: 2-thiophene

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 27-May-18, 18:27:51              Inj       :    6
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-27 18-06-42\Z1.M
Last changed    : 5/27/2018 5:15:20 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.670	BB S	0.0162	2.83038e5	2.53396e5	94.33195
2	1.139	BB X	0.0341	2951.88159	1278.22144	0.98381
3	1.618	BV X	0.0226	9.93641	6.82182	0.00331
4	1.709	VB X	0.0250	65.83518	41.29917	0.02194
5	1.940	BB	0.0301	1.39790e4	6051.99170	4.65898

Totals : 3.00045e5 2.60775e5

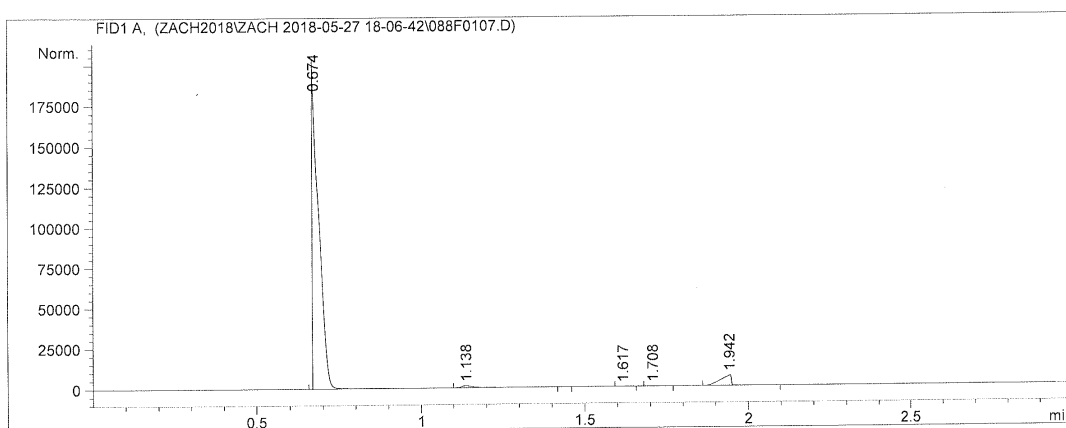
*** End of Report ***

Thiophene-2-carboxaldehyde Sequence #3 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-27 18-06-42\088F0107.D
Sample Name: 2-thiophene

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 88
Injection Date  : 27-May-18, 18:31:53              Inj       :    7
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-27 18-06-42\Z1.M
Last changed    : 5/27/2018 5:15:20 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.674	BB S	0.0192	2.74159e5	1.81255e5	93.94255
2	1.138	BB X	0.0345	2974.06592	1270.36670	1.01909
3	1.617	BB	0.0216	9.18339	6.71545	0.00315
4	1.708	BB	0.0240	66.16798	41.85500	0.02267
5	1.942	BB	0.0301	1.46284e4	6345.87012	5.01254

Totals : 2.91837e5 1.88920e5

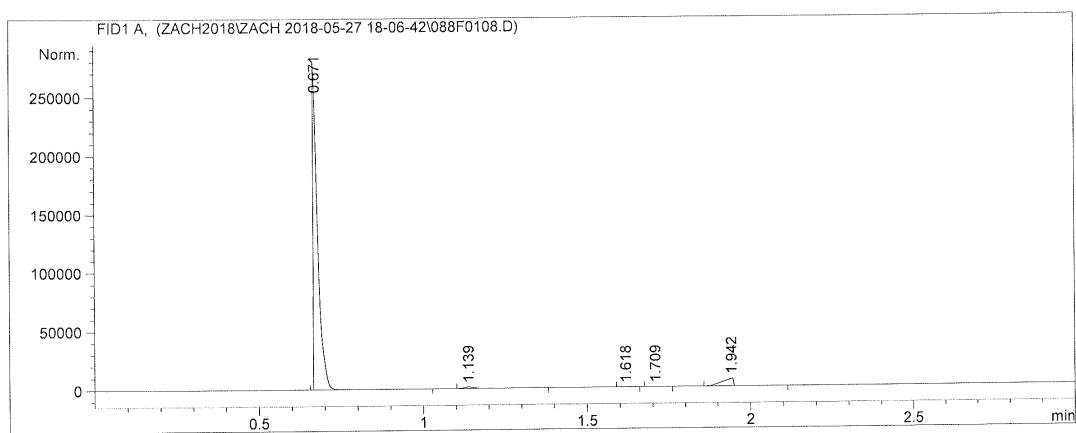
*** End of Report ***

Thiophene-2-carboxaldehyde Sequence #3 – Run #8

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-27 18-06-42\088F0108.D
Sample Name: 2-thiophene

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 27-May-18, 18:35:55              Inj       :    8
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-27 18-06-42\Z1.M
Last changed    : 5/27/2018 5:15:20 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.671	BB S	0.0159	2.72747e5	2.49921e5	93.72691
2	1.139	BB	0.0339	2903.18018	1270.62341	0.99765
3	1.618	BB	0.0219	10.23454	7.33158	0.00352
4	1.709	BB	0.0255	70.49777	44.98848	0.02423
5	1.942	BB	0.0333	1.52709e4	6437.17236	5.24770

Totals : 2.91001e5 2.57682e5

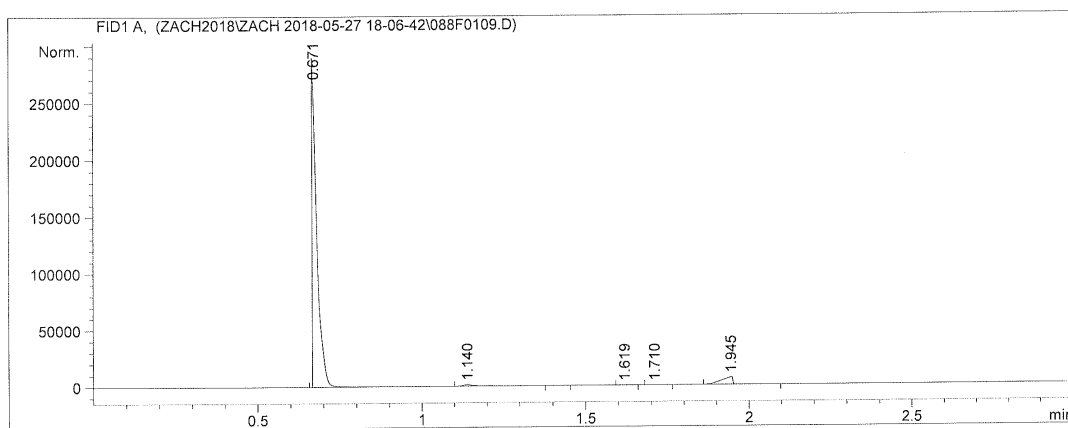
*** End of Report ***

Thiophene-2-carboxaldehyde Sequence #3 – Run #9

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-27 18-06-42\088F0109.D
Sample Name: 2-thiophene

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 27-May-18, 18:39:54              Inj       :    9
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-27 18-06-42\Z1.M
Last changed    : 5/27/2018 5:15:20 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.671	BB S	0.0157	2.85760e5	2.67012e5	93.94964
2	1.140	BB X	0.0331	2827.67261	1237.60425	0.92966
3	1.619	BB	0.0203	10.23404	7.68949	0.00336
4	1.710	BB	0.0242	71.93913	47.27752	0.02365
5	1.945	BB	0.0306	1.54931e4	6597.72314	5.09369

Totals : 3.04163e5 2.74902e5

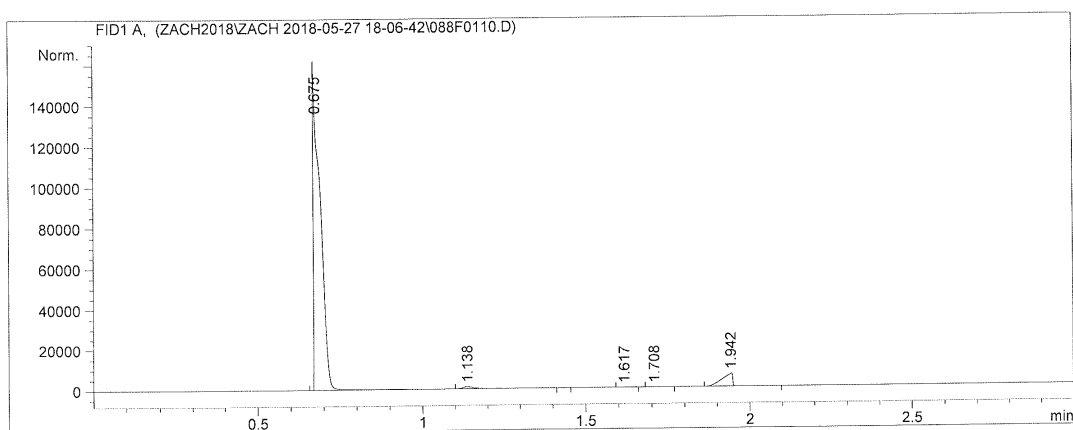
*** End of Report ***

Thiophene-2-carboxaldehyde Sequence #3 – Run #10

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-27 18-06-42\088F0110.D
 Sample Name: 2-thiophene

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 27-May-18, 18:43:57              Inj       :   10
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-27 18-06-42\Z1.M
Last changed    : 5/27/2018 5:15:20 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.675	BB S	0.0230	2.37074e5	1.34037e5	93.32302
2	1.138	BB X	0.0347	2563.60815	1087.82703	1.00915
3	1.617	BB	0.0219	9.15260	6.54299	0.00360
4	1.708	BB	0.0243	64.66634	40.38512	0.02546
5	1.942	BB	0.0313	1.43245e4	6303.46143	5.63877

Totals : 2.54036e5 1.41476e5

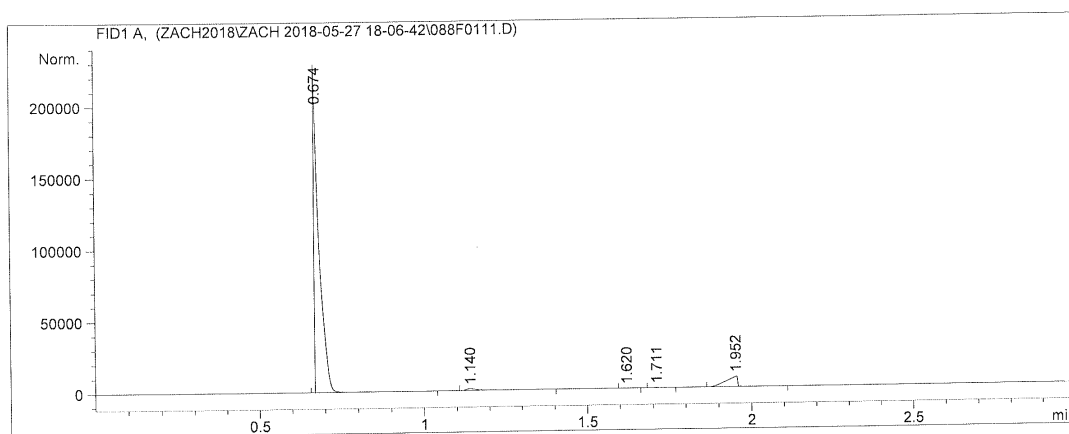
*** End of Report ***

Thiophene-2-carboxaldehyde Sequence #3 – Run #11

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-27 18-06-42\088F0111.D
Sample Name: 2-thiophene

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 27-May-18, 18:47:56              Inj       :   11
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-27 18-06-42\Z1.M
Last changed    : 5/27/2018 5:15:20 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.674	BB S	0.0161	2.33890e5	1.98515e5	91.88160
2	1.140	BB	0.0326	2842.30420	1263.49426	1.11657
3	1.620	BB	0.0214	11.57949	8.54654	0.00455
4	1.711	BB	0.0247	81.22066	51.81439	0.03191
5	1.952	BB	0.0325	1.77307e4	7266.62256	6.96537

Totals : 2.54556e5 2.07105e5

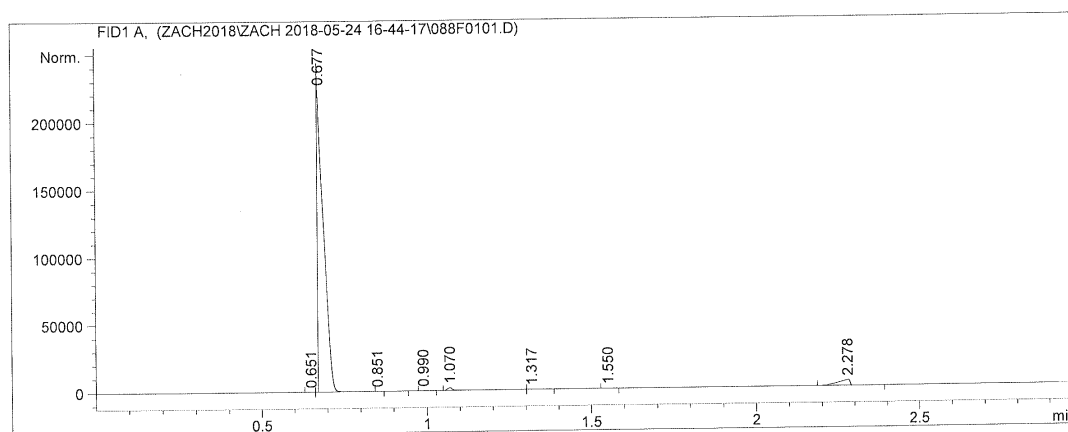
*** End of Report ***

Furan-3-carboxaldehyde Sequence #1 – Run #1

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 16-44-17\088F0101.D
 Sample Name: 3-furyl

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-May-18, 16:45:17              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 16-44-17\Z1.M
Last changed    : 5/24/2018 3:54:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.651	BV	0.0185	18.90465	17.17277	0.00605
2	0.677	VB S	0.0223	2.99509e5	2.23944e5	95.80409
3	0.851	BB X	0.0114	1.48600	2.17758	0.00048
4	0.990	BB	0.0157	1.52488	1.41859	0.00049
5	1.070	BV	0.0178	2422.86548	2053.43896	0.77500
6	1.317	VB	0.0220	11.28795	6.99794	0.00361
7	1.550	BB	0.0171	1.13287	1.00952	0.00036
8	2.278	BB	0.0336	1.06603e4	4200.68262	3.40992

Totals : 3.12627e5 2.30227e5

Furan-3-carboxaldehyde Sequence #1 – Run #2

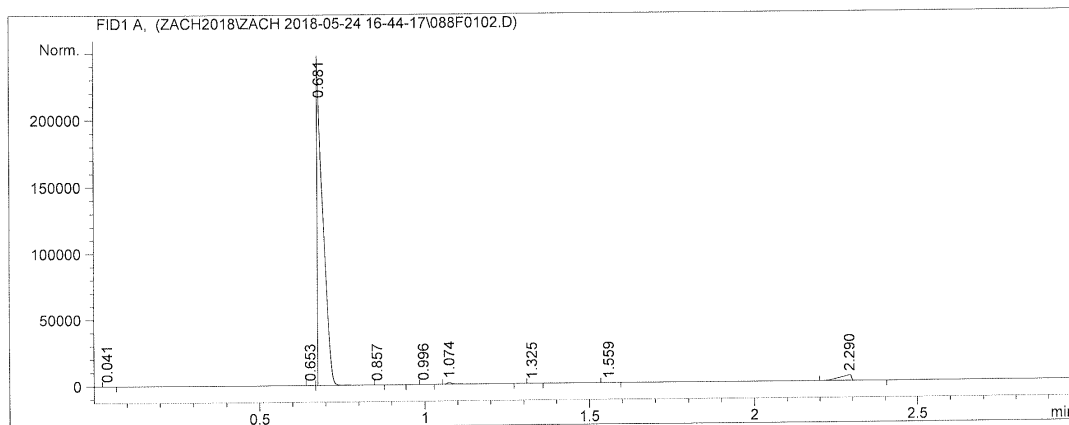
Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 16-44-17\088F0102.D

Sample Name: 3-furyl

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-May-18, 16:49:17              Inj       :    2
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 16-44-17\Z1.M
Last changed    : 5/24/2018 3:54:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



Area Percent Report

```

=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====

```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.041	BB	0.0139	3.59028	4.22612	0.00115
2	0.653	BV	0.0149	69.76203	64.93539	0.02237
3	0.681	VB S	0.0235	2.99849e5	2.12996e5	96.14801
4	0.857	BB X	0.0127	1.72095	2.26352	0.00055
5	0.996	BB	0.0140	1.34387	1.35412	0.00043
6	1.074	BB	0.0177	1490.67834	1266.48352	0.47799
7	1.325	BB	0.0146	4.92900	5.04891	0.00158
8	1.559	BB	0.0247	2.54644	1.49159	0.00082
9	2.290	BB	0.0343	1.04383e4	4126.03906	3.34709

Totals : 3.11862e5 2.18468e5

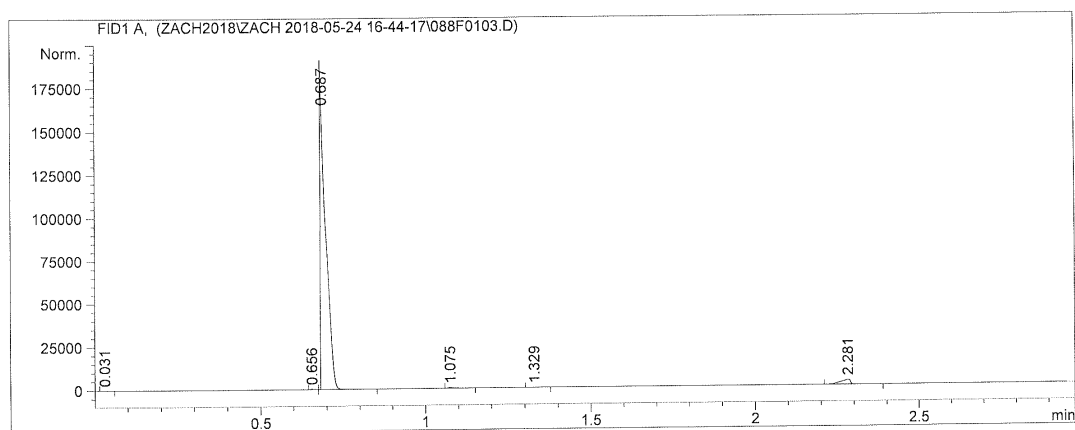
Instrument 1 7/6/2018 10:19:15 PM Zach Taylor

Page 1 of 2

Furan-3-carboxaldehyde Sequence #1 – Run #3

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 16-44-17\088F0103.D
 Sample Name: 3-furyl

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-May-18, 16:53:18              Inj       :    3
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 16-44-17\Z1.M
Last changed    : 5/24/2018 3:54:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.031	BB	0.0135	2.11346	2.58230	0.00097
2	0.656	BV	0.0153	224.85445	202.92139	0.10363
3	0.687	VB S	0.0216	2.10529e5	1.62460e5	97.02593
4	1.075	BB	0.0165	489.51514	430.13437	0.22560
5	1.329	BB	0.0155	2.65162	2.68113	0.00122
6	2.281	BB	0.0285	5734.06592	2824.75244	2.64264

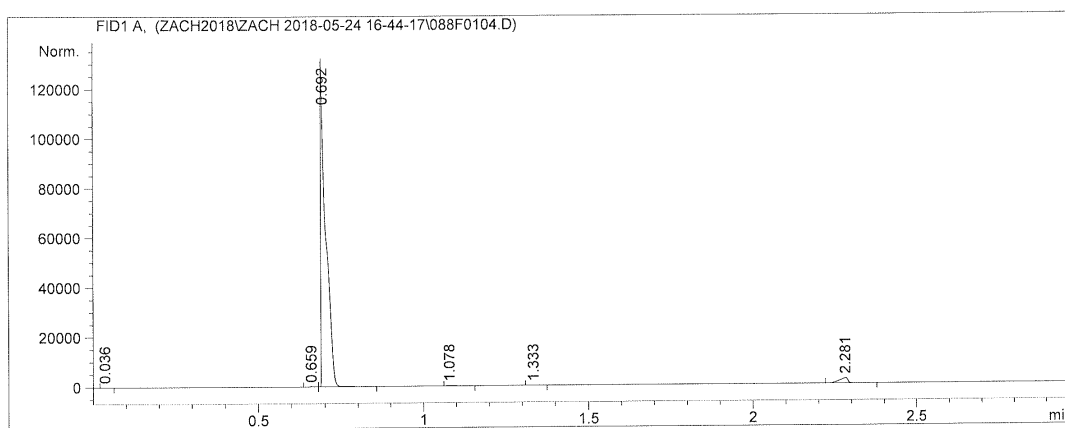
Totals : 2.16982e5 1.65924e5

Furan-3-carboxaldehyde Sequence #1 – Run #4

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 16-44-17\088F0104.D
 Sample Name: 3-furyl

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-May-18, 16:57:19              Inj       :    4
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 16-44-17\Z1.M
Last changed    : 5/24/2018 3:54:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.036	BB	0.0135	2.00701	2.46295	0.00143
2	0.659	BV	0.0178	155.77414	118.19714	0.11109
3	0.692	VB S	0.0203	1.36136e5	1.11940e5	97.08417
4	1.078	BB	0.0173	214.24570	177.34338	0.15279
5	1.333	BB	0.0159	1.82447	1.67931	0.00130
6	2.281	BB	0.0258	3714.85815	2067.97534	2.64922

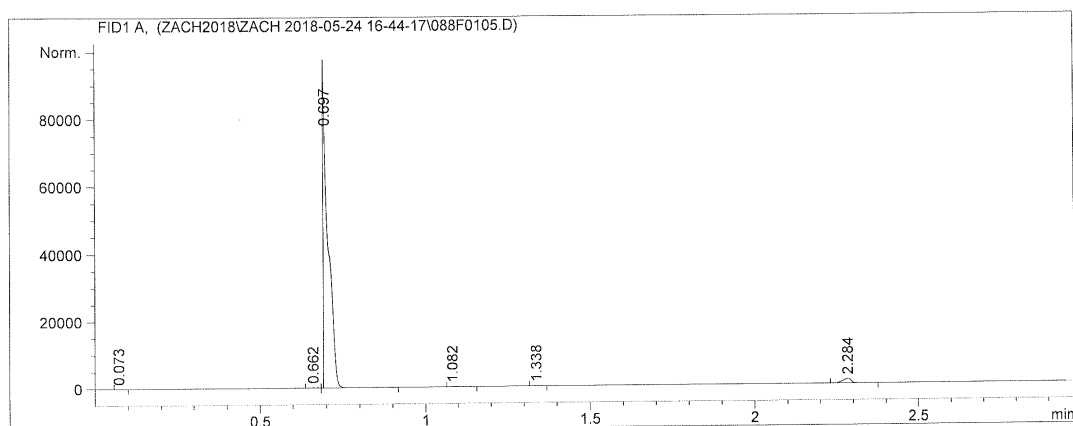
Totals : 1.40224e5 1.14308e5

Furan-3-carboxaldehyde Sequence #1 – Run #5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 16-44-17\088F0105.D
 Sample Name: 3-furyl

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-May-18, 17:01:18              Inj       :    5
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 16-44-17\Z1.M
Last changed    : 5/24/2018 3:54:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.073	BB	0.0138	2.08254	2.47952	0.00212
2	0.662	BV	0.0172	155.19727	116.03497	0.15817
3	0.697	VB S	0.0208	9.55371e4	7.67244e4	97.36669
4	1.082	BB	0.0185	91.09768	73.31749	0.09284
5	1.338	BB	0.0171	1.14229	1.01948	0.00116
6	2.284	BB	0.0266	2334.30933	1349.72705	2.37901

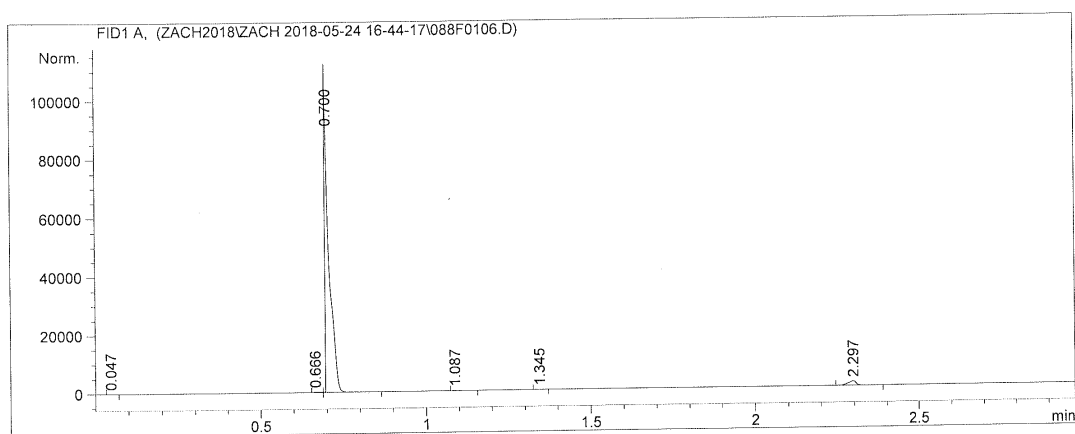
Totals : 9.81209e4 7.82670e4

Furan-3-carboxaldehyde Sequence #1 – Run #6

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 16-44-17\088F0106.D
 Sample Name: 3-furyl

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-May-18, 17:05:19              Inj       :    6
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 16-44-17\Z1.M
Last changed    : 5/24/2018 3:54:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.047	BB	0.0130	2.24496	2.68031	0.00234
2	0.666	BV	0.0139	120.99589	122.45737	0.12597
3	0.700	VB S	0.0174	9.33835e4	8.96353e4	97.21882
4	1.087	BB	0.0159	62.33390	57.21244	0.06489
5	1.345	BB	0.0157	1.22247	1.22176	0.00127
6	2.297	BB	0.0267	2484.66772	1486.05750	2.58671

```
Totals :                      9.60550e4  9.13049e4
```


Furan-3-carboxaldehyde Sequence #1 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 16-44-17\088F0107.D

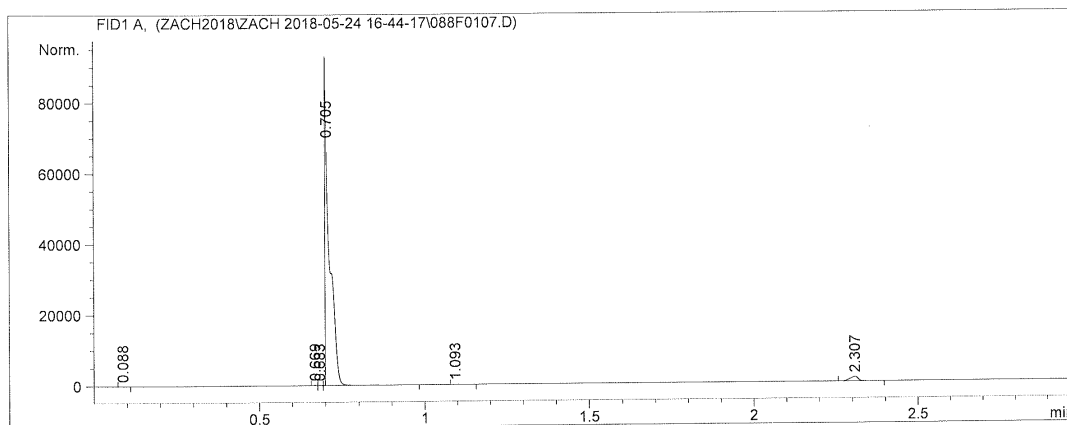
Sample Name: 3-furyl

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-May-18, 17:09:18              Inj       :    7
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 16-44-17\Z1.M
Last changed    : 5/24/2018 3:54:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



```

=====
                          Area Percent Report
=====

```

```

Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs

```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.088	BB	0.0131	2.16548	2.54405	0.00255
2	0.669	BV	8.21e-3	56.69073	113.85971	0.06686
3	0.683	VV	0.0134	65.16460	74.85921	0.07686
4	0.705	VB S	0.0200	8.24715e4	6.88710e4	97.27165
5	1.093	BB	0.0172	34.98070	29.16550	0.04126
6	2.307	BB	0.0264	2154.22534	1255.70105	2.54082

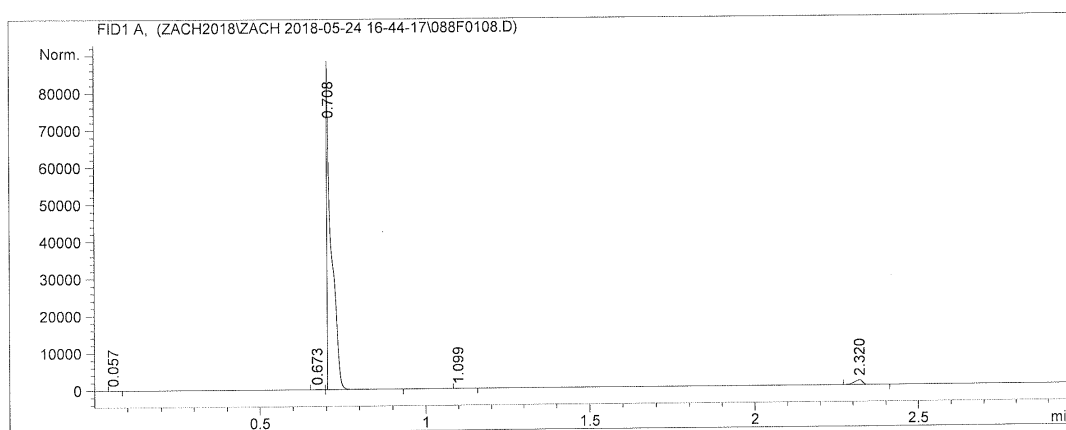
```
Totals :                      8.47847e4  7.03471e4
```

Furan-3-carboxaldehyde Sequence #1 – Run #8

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 16-44-17\088F0108.D
 Sample Name: 3-furyl

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-May-18, 17:13:19              Inj       :    8
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 16-44-17\Z1.M
Last changed    : 5/24/2018 3:54:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.057	BB	0.0137	2.05396	2.46863	0.00250
2	0.673	BV	0.0168	116.26274	89.20027	0.14126
3	0.708	VB S	0.0185	7.99887e4	7.19391e4	97.18964
4	1.099	BB	0.0179	23.09594	18.30025	0.02806
5	2.320	BB	0.0264	2171.56104	1266.31458	2.63854

```
Totals :                      8.23017e4  7.33154e4
```

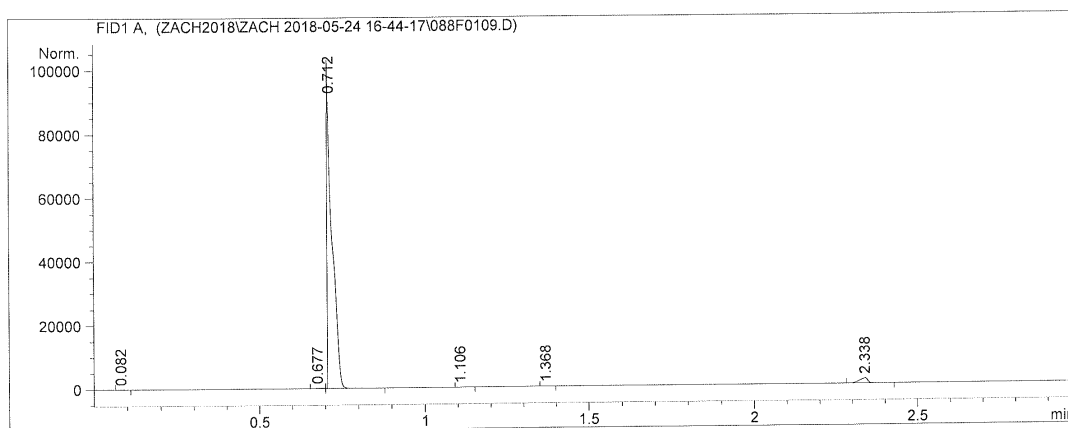
```
=====
*** End of Report ***
```

Furan-3-carboxaldehyde Sequence #1 – Run #9

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 16-44-17\088F0109.D
 Sample Name: 3-furyl

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-May-18, 17:17:19              Inj       :    9
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 16-44-17\Z1.M
Last changed    : 5/24/2018 3:54:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.082	BB	0.0136	2.17148	2.63075	0.00207
2	0.677	BV	0.0177	121.68106	92.66074	0.11573
3	0.712	VB S	0.0187	1.02195e5	9.12984e4	97.19691
4	1.106	BB	0.0165	19.10496	16.77778	0.01817
5	1.368	BB	0.0154	1.38942	1.32414	0.00132
6	2.338	BB	0.0270	2802.87012	1590.38477	2.66580

Totals : 1.05142e5 9.30022e4

Furan-3-carboxaldehyde Sequence #1 – Run #10

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 16-44-17\088F0110.D

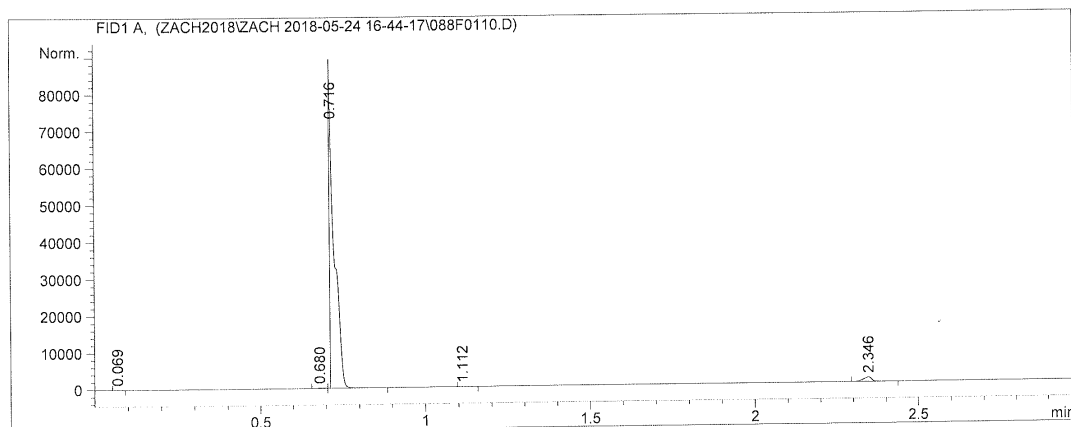
Sample Name: 3-furyl

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-May-18, 17:21:20              Inj       :   10
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 16-44-17\Z1.M
Last changed    : 5/24/2018 3:54:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



```

=====
Area Percent Report
=====

```

```

Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs

```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.069	BB	0.0127	1.92410	2.35731	0.00224
2	0.680	BV	0.0175	128.90247	94.41971	0.14991
3	0.716	VB S	0.0194	8.37346e4	7.20206e4	97.37972
4	1.112	BB	0.0176	9.82640	7.97642	0.01143
5	2.346	BB	0.0267	2112.47021	1213.29016	2.45671

Totals : 8.59878e4 7.33387e4

```

=====
*** End of Report ***

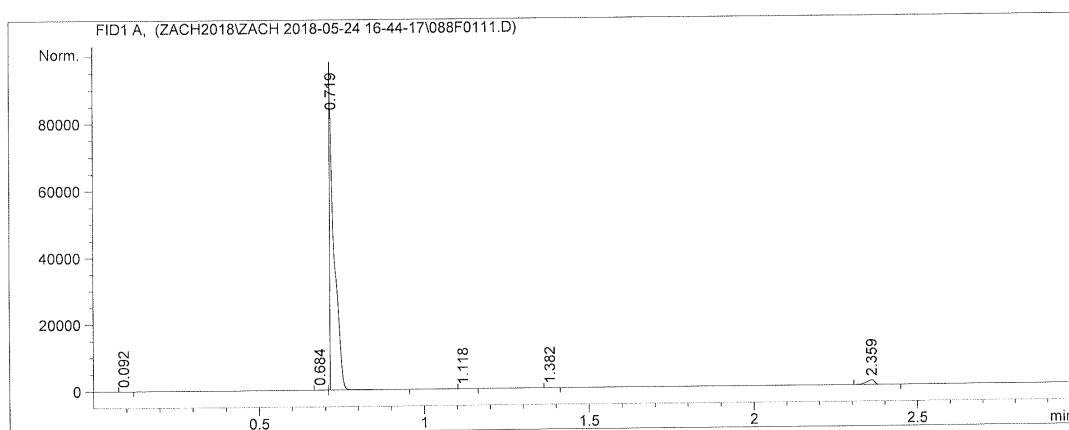
```

Furan-3-carboxaldehyde Sequence #1 – Run #11

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 16-44-17\088F0111.D
 Sample Name: 3-furyl

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-May-18, 17:25:20              Inj       :   11
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 16-44-17\Z1.M
Last changed    : 5/24/2018 3:54:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.092	BB	0.0136	2.08745	2.54497	0.00231
2	0.684	BV	0.0163	116.45381	92.43090	0.12888
3	0.719	VB S	0.0177	8.78633e4	8.26144e4	97.24239
4	1.118	BB	0.0171	7.32514	6.16411	0.00811
5	1.382	BB	0.0164	1.28603	1.13662	0.00142
6	2.359	BB	0.0266	2364.48877	1367.11707	2.61689

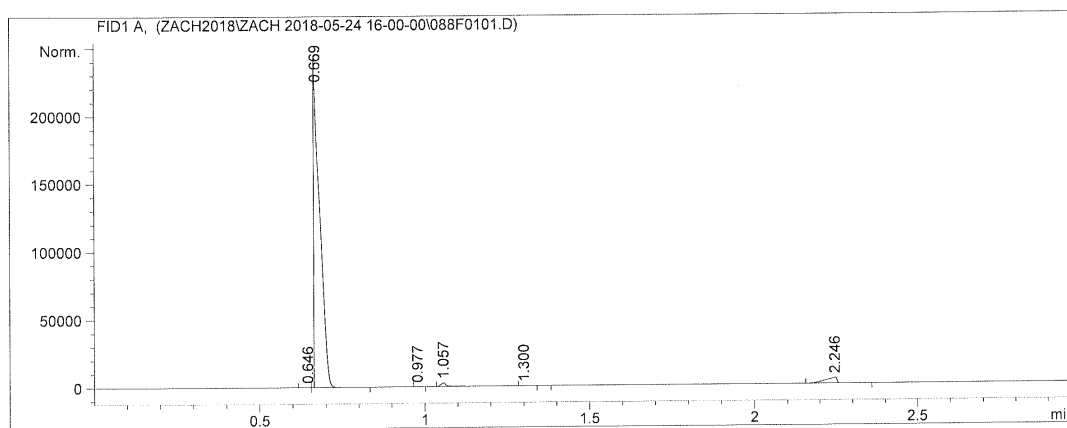
Totals : 9.03550e4 8.40838e4

Furan-3-carboxaldehyde Sequence #2 – Run #1

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 16-00-00\088F0101.D
 Sample Name: 3-furyl

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-May-18, 16:01:01             Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 16-00-00\Z1.M
Last changed    : 5/24/2018 3:54:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.646	BV	0.0185	19.09559	17.50257	0.00600
2	0.669	VB S	0.0229	3.04893e5	2.21954e5	95.75845
3	0.977	BB	0.0130	1.22768	1.34604	0.00039
4	1.057	BB S	0.0178	3095.61108	2620.12256	0.97225
5	1.300	BB T	0.0159	5.24865	5.14062	0.00165
6	2.246	BB	0.0323	1.03838e4	4282.00439	3.26127

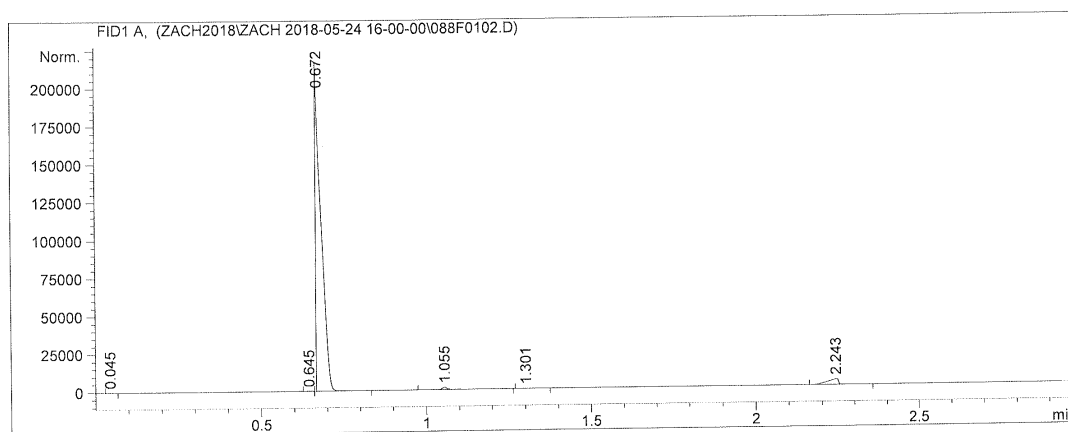
Totals : 3.18398e5 2.28880e5

Furan-3-carboxaldehyde Sequence #2 – Run #2

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 16-00-00\088F0102.D
 Sample Name: 3-furyl

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-May-18, 16:05:00              Inj       :    2
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 16-00-00\Z1.M
Last changed    : 5/24/2018 3:54:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.045	BB	0.0130	4.14472	4.93385	0.00156
2	0.645	BV	0.0204	55.13412	43.35503	0.02073
3	0.672	VB S	0.0216	2.55683e5	1.97291e5	96.15090
4	1.055	BB	0.0178	1761.13831	1492.02856	0.66229
5	1.301	BB	0.0217	7.65757	4.82575	0.00288
6	2.243	BB	0.0318	8407.37793	3739.42480	3.16164

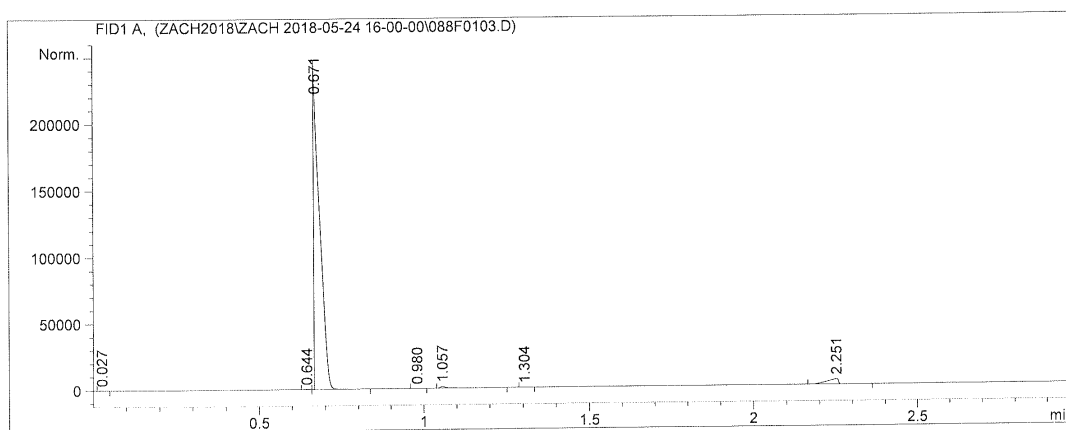
Totals : 2.65918e5 2.02575e5

Furan-3-carboxaldehyde Sequence #2 – Run #3

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 16-00-00\088F0103.D
 Sample Name: 3-furyl

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-May-18, 16:09:00              Inj       :    3
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 16-00-00\Z1.M
Last changed    : 5/24/2018 3:54:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.027	BB	0.0129	2.25017	2.69842	0.00070
2	0.644	BV	0.0188	207.84885	183.71741	0.06497
3	0.671	VB S	0.0235	3.08670e5	2.19118e5	96.49230
4	0.980	BB	0.0134	1.13351	1.20009	0.00035
5	1.057	BB	0.0167	1487.35339	1287.89392	0.46496
6	1.304	BB	0.0141	4.20089	4.50202	0.00131
7	2.251	BB	0.0328	9518.01855	4085.58057	2.97540

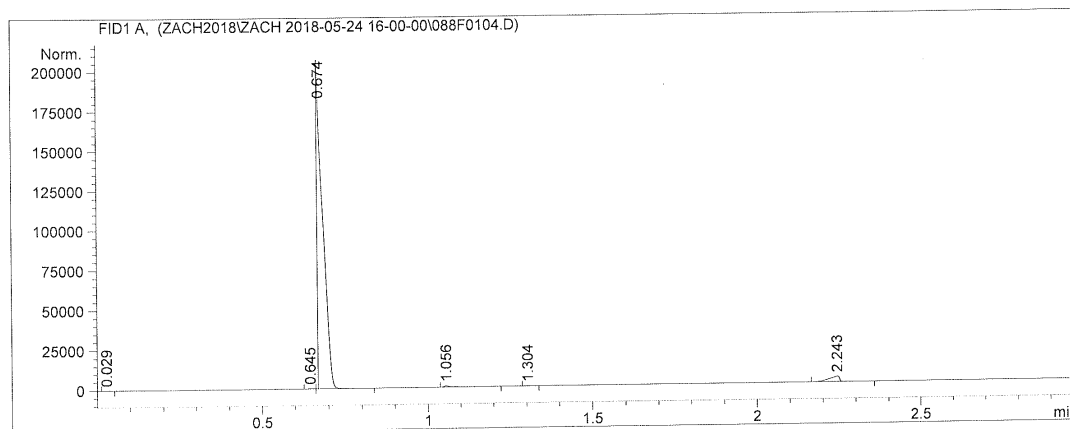
Totals : 3.19891e5 2.24683e5

Furan-3-carboxaldehyde Sequence #2 – Run #4

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 16-00-00\088F0104.D
 Sample Name: 3-furyl

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-May-18, 16:13:00              Inj       :    4
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 16-00-00\Z1.M
Last changed    : 5/24/2018 3:54:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.029	BB	0.0130	1.69087	2.00974	0.00067
2	0.645	BV	0.0203	149.68848	125.30920	0.05926
3	0.674	VB S	0.0226	2.44201e5	1.80154e5	96.67353
4	1.056	BB	0.0176	903.31146	773.20135	0.35760
5	1.304	BB	0.0144	3.33250	3.45606	0.00132
6	2.243	BB	0.0299	7344.77344	3419.70337	2.90763

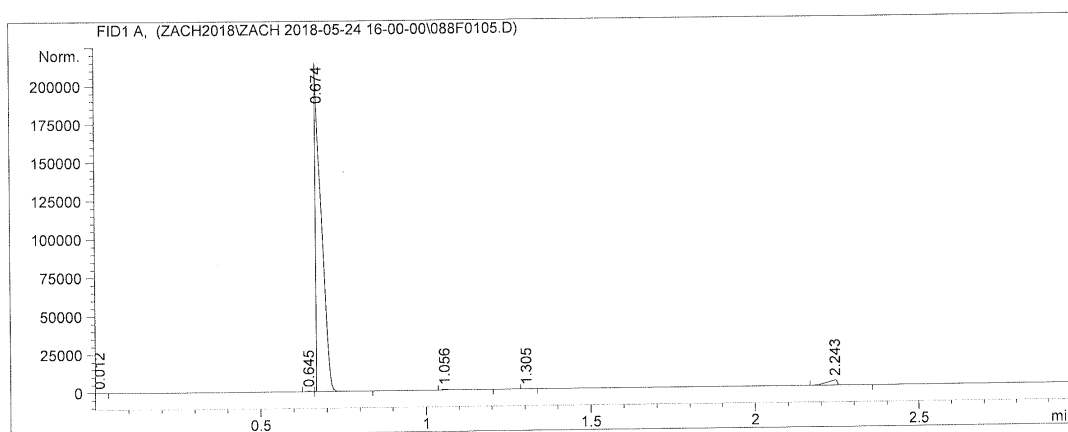
Totals : 2.52604e5 1.84477e5

Furan-3-carboxaldehyde Sequence #2 – Run #5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 16-00-00\088F0105.D
 Sample Name: 3-furyl

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-May-18, 16:17:01             Inj       :    5
                                                Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 16-00-00\Z1.M
Last changed    : 5/24/2018 3:54:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.012	BB	0.0127	1.34883	1.80094	0.00049
2	0.645	BV	0.0203	259.40781	217.22353	0.09475
3	0.674	VB S	0.0239	2.65641e5	1.85265e5	97.02881
4	1.056	BB	0.0176	713.22729	612.47119	0.26052
5	1.305	BB	0.0146	3.25681	3.34061	0.00119
6	2.243	BB	0.0303	7157.13135	3377.87744	2.61424

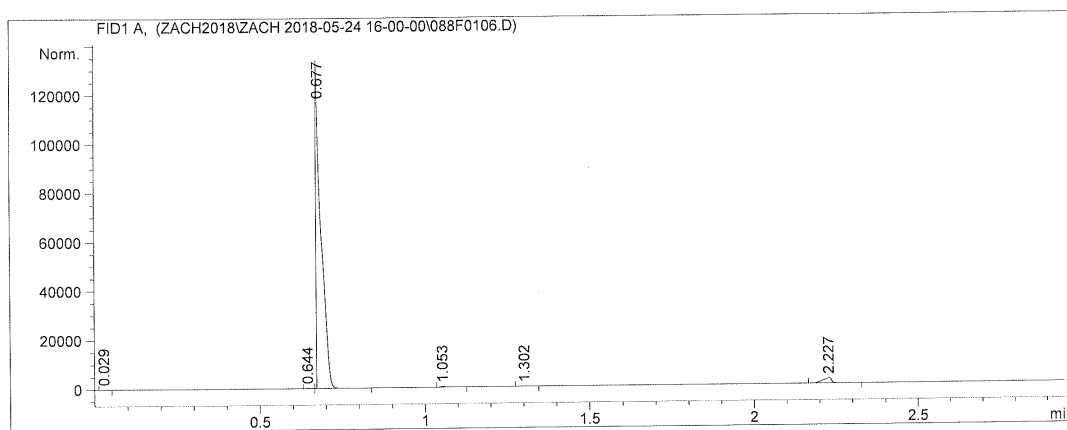
Totals : 2.73775e5 1.89478e5

Furan-3-carboxaldehyde Sequence #2 – Run #6

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 16-00-00\088F0106.D
 Sample Name: 3-furyl

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-May-18, 16:21:01              Inj       :    6
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 16-00-00\Z1.M
Last changed    : 5/24/2018 3:54:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.029	BB	0.0128	1.53559	1.87112	0.00106
2	0.644	BV	0.0166	167.72235	130.15018	0.11525
3	0.677	VB S	0.0202	1.41217e5	1.16731e5	97.03425
4	1.053	BB	0.0177	289.48364	247.38577	0.19891
5	1.302	BB	0.0157	1.69013	1.69221	0.00116
6	2.227	BB	0.0284	3855.72070	2125.53076	2.64938

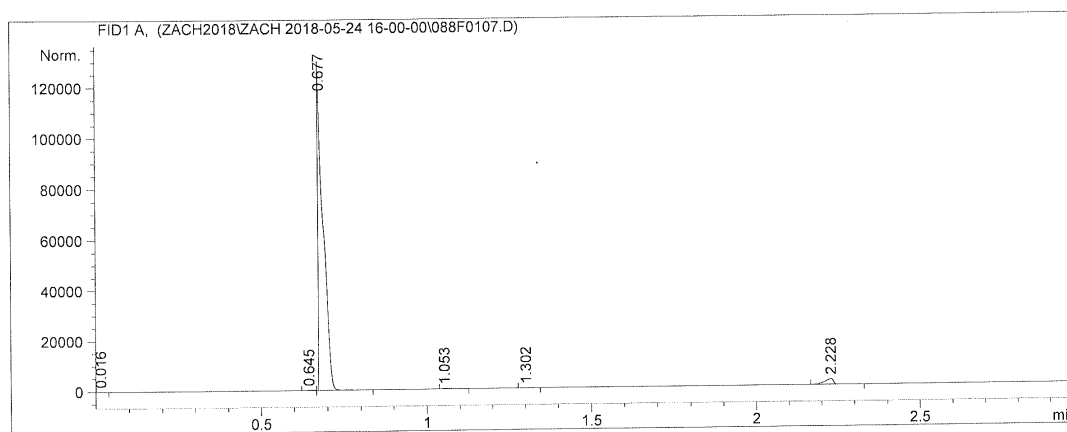
Totals : 1.45533e5 1.19237e5

Furan-3-carboxaldehyde Sequence #2 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 16-00-00\088F0107.D
 Sample Name: 3-furyl

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-May-18, 16:25:02              Inj       :    7
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 16-00-00\Z1.M
Last changed    : 5/24/2018 3:54:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.016	BB	0.0127	1.88301	2.30767	0.00128
2	0.645	BV	0.0184	157.96931	109.86332	0.10737
3	0.677	VB S	0.0204	1.42731e5	1.16758e5	97.01324
4	1.053	BB	0.0168	229.83629	196.74704	0.15622
5	1.302	BB	0.0160	1.81573	1.77151	0.00123
6	2.228	BB	0.0277	4002.75391	2194.46118	2.72065

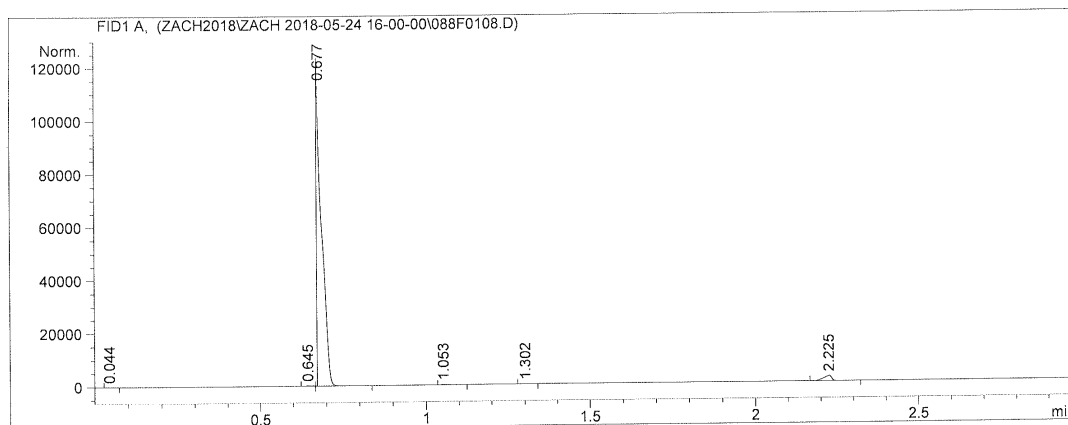
Totals : 1.47125e5 1.19263e5

Furan-3-carboxaldehyde Sequence #2 – Run #8

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 16-00-00\088F0108.D
 Sample Name: 3-furyl

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-May-18, 16:29:01              Inj       :    8
                                                Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 16-00-00\Z1.M
Last changed    : 5/24/2018 3:54:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



=====
 Area Percent Report
 =====

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.044	BB	0.0137	1.95811	2.34479	0.00150
2	0.645	BV	0.0170	161.71590	122.86069	0.12385
3	0.677	VB S	0.0186	1.26864e5	1.13527e5	97.15716
4	1.053	BB	0.0173	150.86766	132.39185	0.11554
5	1.302	BB	0.0152	1.59700	1.55555	0.00122
6	2.225	BB	0.0259	3395.91626	1947.38513	2.60073

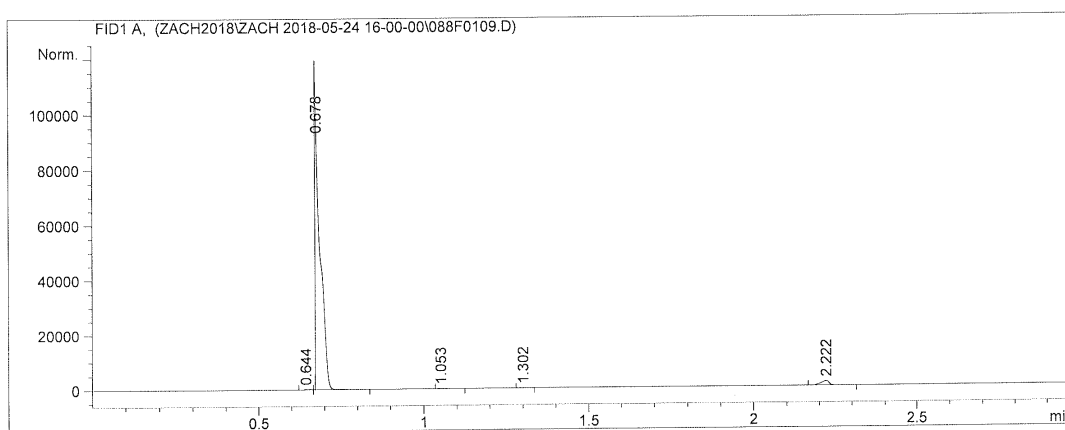
Totals : 1.30576e5 1.15734e5

Furan-3-carboxaldehyde Sequence #2 – Run #9

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 16-00-00\088F0109.D
 Sample Name: 3-furyl

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-May-18, 16:33:02              Inj       :    9
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 16-00-00\Z1.M
Last changed    : 5/24/2018 3:54:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.644	BV	0.0157	190.81258	158.00015	0.16264
2	0.678	VB S	0.0208	1.14288e5	9.16120e4	97.41618
3	1.053	BB	0.0176	96.38480	82.87844	0.08216
4	1.302	BB	0.0151	1.26425	1.23801	0.00108
5	2.222	BB	0.0255	2742.85425	1611.36719	2.33794

Totals : 1.17319e5 9.34655e4

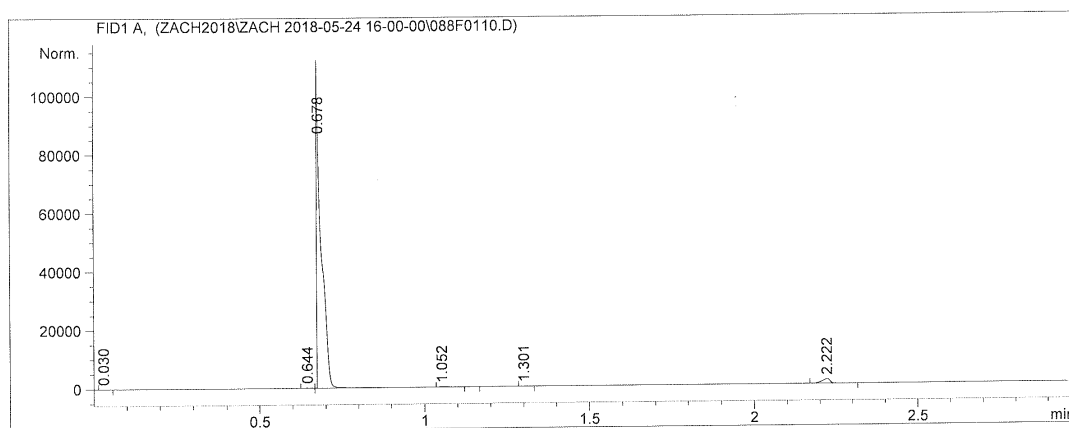
```
=====
*** End of Report ***
```

Furan-3-carboxaldehyde Sequence #2 – Run #10

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 16-00-00\088F0110.D
 Sample Name: 3-furyl

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-May-18, 16:37:02              Inj       :   10
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 16-00-00\Z1.M
Last changed    : 5/24/2018 3:54:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.030	BB	0.0138	2.27648	2.72225	0.00210
2	0.644	BV	0.0150	160.39529	139.71237	0.14779
3	0.678	VB S	0.0206	1.05665e5	8.56402e4	97.35849
4	1.052	BB X	0.0175	71.29996	61.51955	0.06569
5	1.301	BB	0.0152	1.24913	1.21286	0.00115
6	2.222	BB	0.0254	2631.66162	1552.26843	2.42478

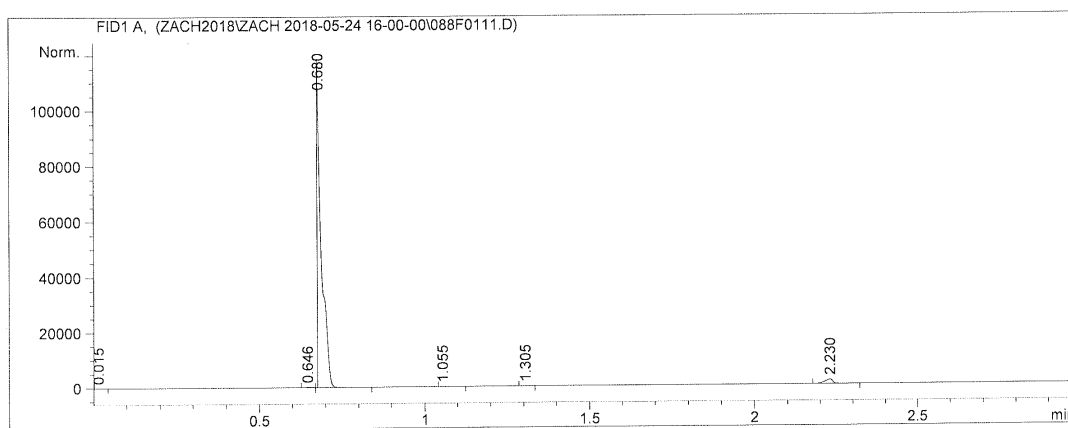
Totals : 1.08532e5 8.73976e4

Furan-3-carboxaldehyde Sequence #2 – Run #11

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 16-00-00\088F0111.D
 Sample Name: 3-furyl

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                    Location  : Vial 88
Injection Date  : 24-May-18, 16:41:03             Inj       :   11
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 16-00-00\Z1.M
Last changed    : 5/24/2018 3:54:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.015	BB	0.0132	2.37949	3.02799	0.00234
2	0.646	BV	0.0144	127.08821	115.76247	0.12524
3	0.680	VB S	0.0155	9.86060e4	1.05838e5	97.17532
4	1.055	BB	0.0159	57.94303	53.04926	0.05710
5	1.305	BB	0.0155	1.29237	1.31573	0.00127
6	2.230	BB	0.0269	2677.56641	1587.62122	2.63872

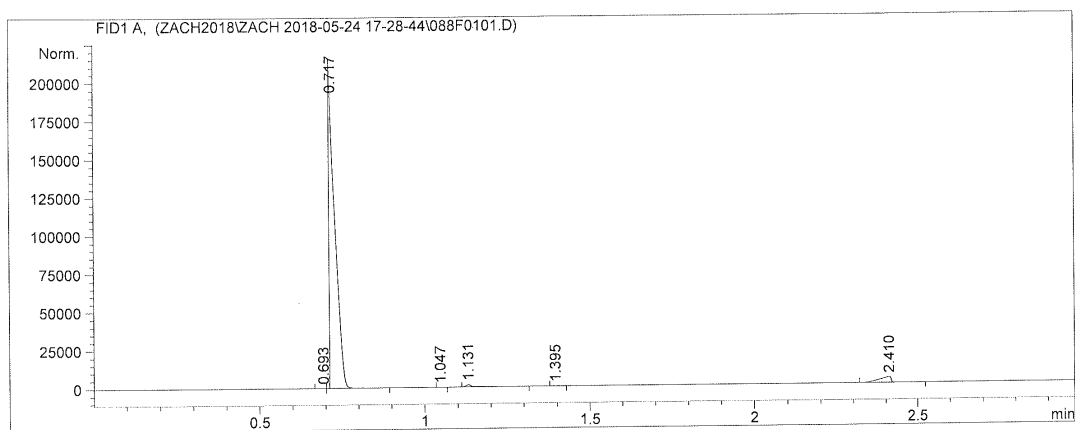
Totals : 1.01472e5 1.07598e5

Furan-3-carboxaldehyde Sequence #3 – Run #1

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 17-28-44\088F0101.D
 Sample Name: 3-furyl

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-May-18, 17:29:46              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 17-28-44\Z1.M
Last changed    : 5/24/2018 3:54:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

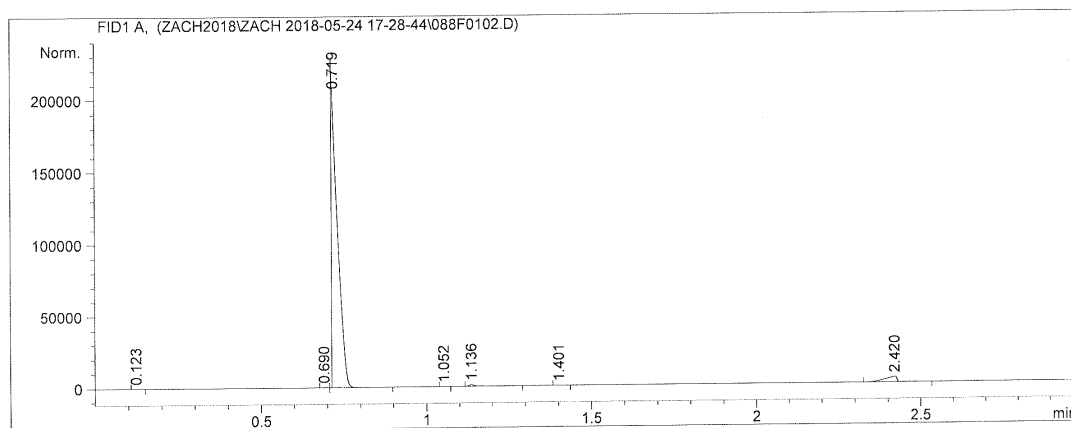
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.693	BV	0.0178	13.31533	11.94141	0.00489
2	0.717	VB S	0.0228	2.60928e5	1.90466e5	95.84301
3	1.047	BB	0.0128	1.12635	1.26713	0.00041
4	1.131	BB	0.0177	1752.52600	1493.33459	0.64373
5	1.395	BB	0.0152	4.66762	4.53782	0.00171
6	2.410	BB	0.0354	9545.59277	3738.98999	3.50624

Totals : 2.72246e5 1.95716e5

Furan-3-carboxaldehyde Sequence #3 – Run #2

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 17-28-44\088F0102.D
 Sample Name: 3-furyl

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 88
Injection Date  : 24-May-18, 17:33:44              Inj       :    2
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 17-28-44\Z1.M
Last changed    : 5/24/2018 3:54:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

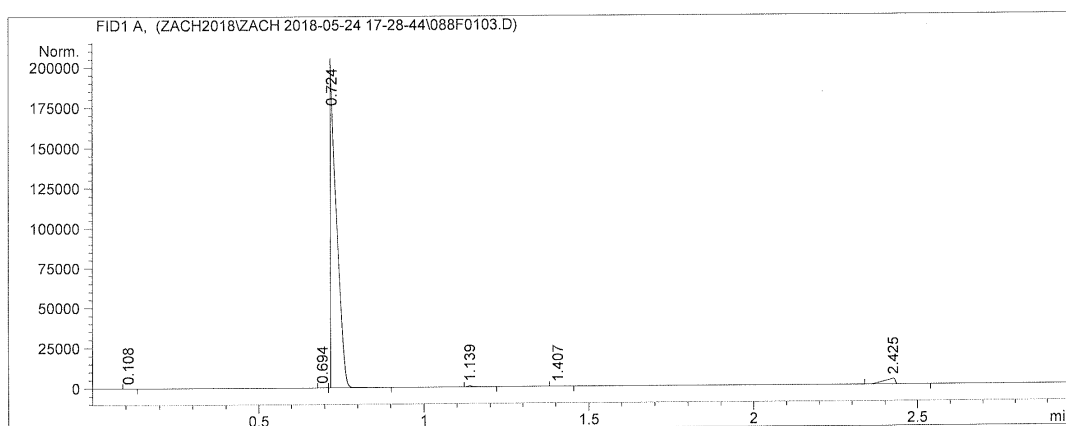
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.123	BB	0.0141	3.41739	3.94559	0.00120
2	0.690	BV	0.0148	89.31220	84.13363	0.03143
3	0.719	VB S	0.0223	2.73411e5	2.04431e5	96.21813
4	1.052	BB	0.0131	1.13135	1.23650	0.00040
5	1.136	BB	0.0177	1258.47095	1071.95020	0.44288
6	1.401	BB	0.0157	4.51875	4.51571	0.00159
7	2.420	BB	0.0333	9389.63281	3732.94385	3.30437

Totals : 2.84158e5 2.09329e5

Furan-3-carboxaldehyde Sequence #3 – Run #3

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 17-28-44\088F0103.D
Sample Name: 3-furyl

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-May-18, 17:37:44              Inj       :    3
                                                Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 17-28-44\Z1.M
Last changed    : 5/24/2018 3:54:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.108	BB	0.0144	2.42180	2.71277	0.00092
2	0.694	BV	0.0200	116.36971	94.37130	0.04420
3	0.724	VB S	0.0244	2.53977e5	1.73450e5	96.45809
4	1.139	BB	0.0166	767.21344	667.12970	0.29138
5	1.407	BB	0.0157	4.04642	4.02907	0.00154
6	2.425	BB	0.0321	8435.91602	3501.97144	3.20388

Totals : 2.63303e5 1.77720e5

Furan-3-carboxaldehyde Sequence #3 – Run #4

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 17-28-44\088F0104.D

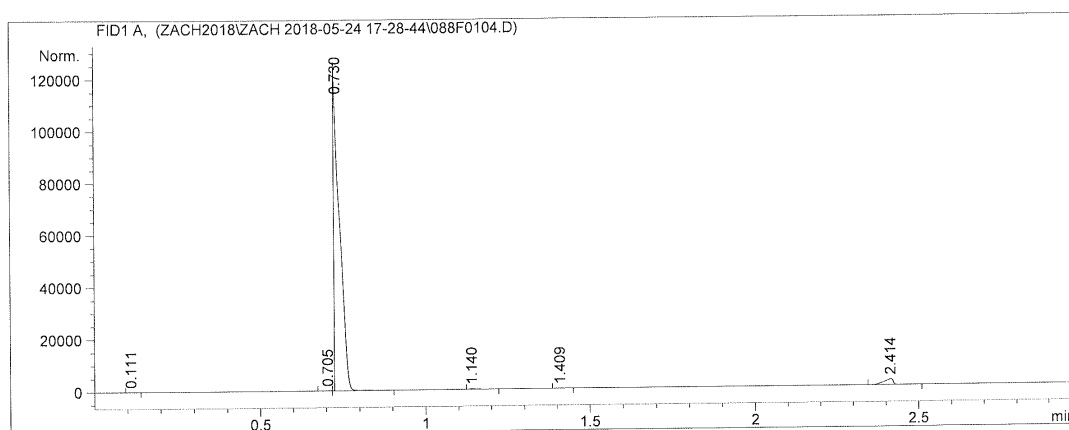
Sample Name: 3-furyl

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-May-18, 17:41:44              Inj       :    4
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 17-28-44\Z1.M
Last changed    : 5/24/2018 3:54:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



```

=====
Area Percent Report
=====

```

```

Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs

```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.111	BB	0.0147	1.89045	2.05167	0.00124
2	0.705	BV	0.0197	126.55333	89.26874	0.08302
3	0.730	VB S	0.0219	1.47720e5	1.12553e5	96.90129
4	1.140	BB	0.0172	297.54657	247.80856	0.19518
5	1.409	BB	0.0167	2.10029	1.93108	0.00138
6	2.414	BB	0.0295	4295.71289	2244.41064	2.81789

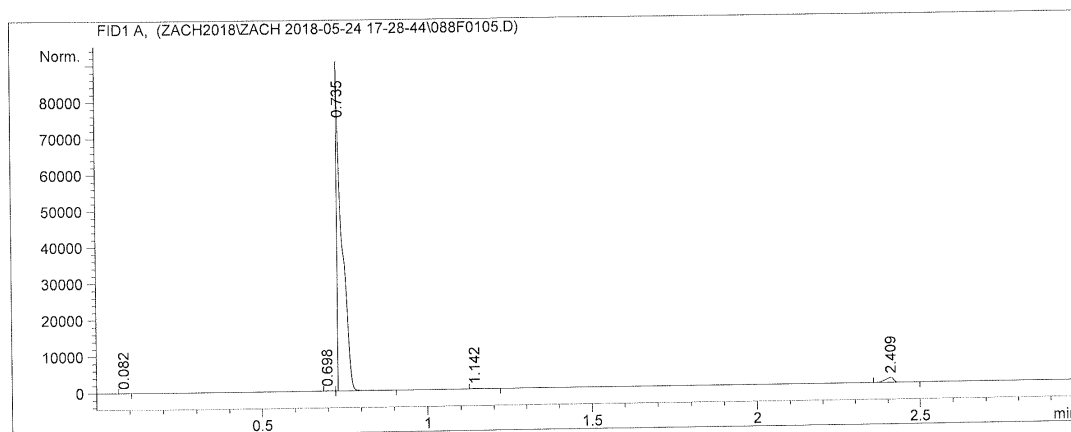
```
Totals :                      1.52444e5  1.15138e5
```

Furan-3-carboxaldehyde Sequence #3 – Run #5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 17-28-44\088F0105.D
 Sample Name: 3-furyl

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-May-18, 17:45:46              Inj       :    5
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 17-28-44\Z1.M
Last changed    : 5/24/2018 3:54:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.082	BB	0.0131	1.79070	2.10952	0.00186
2	0.698	BV	0.0169	138.50285	111.35931	0.14369
3	0.735	VB S	0.0211	9.37192e4	7.41423e4	97.22812
4	1.142	BB	0.0183	121.75637	93.93419	0.12631
5	2.409	BB	0.0270	2409.79248	1367.02869	2.50002

Totals : 9.63911e4 7.57168e4

```
=====
*** End of Report ***
```

Furan-3-carboxaldehyde Sequence #3 – Run #6

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 17-28-44\088F0106.D

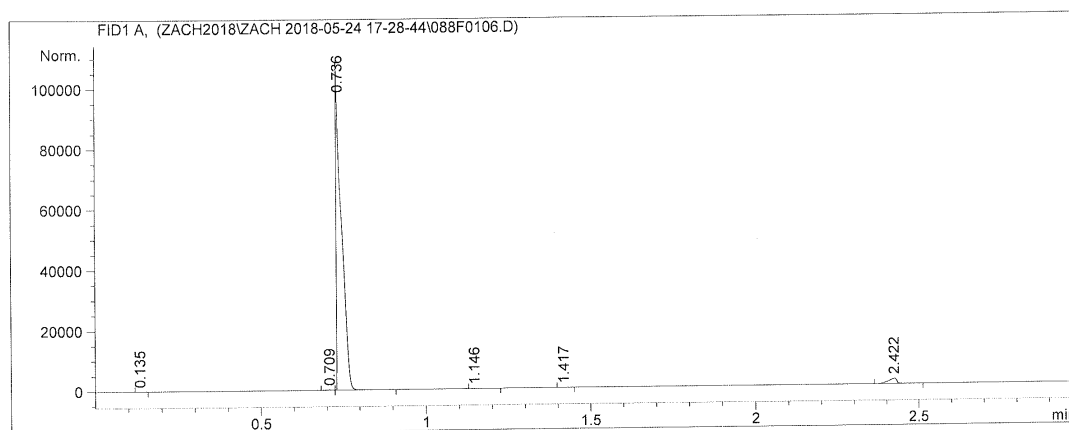
Sample Name: 3-furyl

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-May-18, 17:49:46              Inj       :    6
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 17-28-44\Z1.M
Last changed    : 5/24/2018 3:54:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



```

=====
Area Percent Report
=====

```

```

Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs

```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.135	BB	0.0129	1.95415	2.34486	0.00159
2	0.709	BV	0.0235	152.92882	104.07098	0.12421
3	0.736	VB S	0.0205	1.19637e5	9.71464e4	97.17200
4	1.146	BB	0.0180	112.77837	93.74255	0.09160
5	1.417	BB	0.0170	1.62162	1.45179	0.00132
6	2.422	BB	0.0284	3212.52734	1771.37341	2.60928

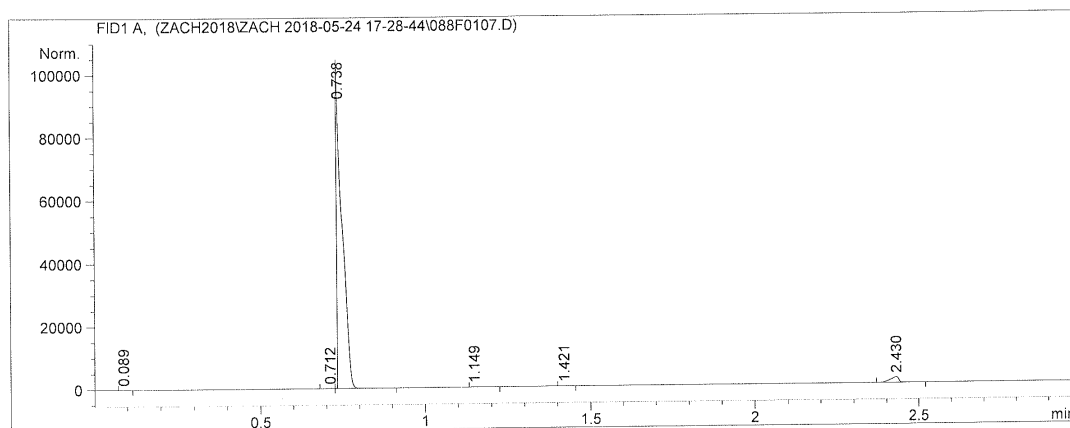
```
Totals :                1.23119e5  9.91194e4
```

Furan-3-carboxaldehyde Sequence #3 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 17-28-44\088F0107.D
 Sample Name: 3-furyl

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-May-18, 17:53:48              Inj       :    7
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 17-28-44\Z1.M
Last changed    : 5/24/2018 3:54:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.089	BB	0.0135	1.72169	2.11121	0.00145
2	0.712	BV	0.0203	106.06632	72.50301	0.08956
3	0.738	VB S	0.0211	1.14961e5	9.07233e4	97.06860
4	1.149	BB	0.0169	81.76253	69.45177	0.06904
5	1.421	BB	0.0167	1.62129	1.48618	0.00137
6	2.430	BB	0.0267	3280.55786	1810.85938	2.76998

Totals : 1.18433e5 9.26797e4

Furan-3-carboxaldehyde Sequence #3 – Run #8

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 17-28-44\088F0108.D

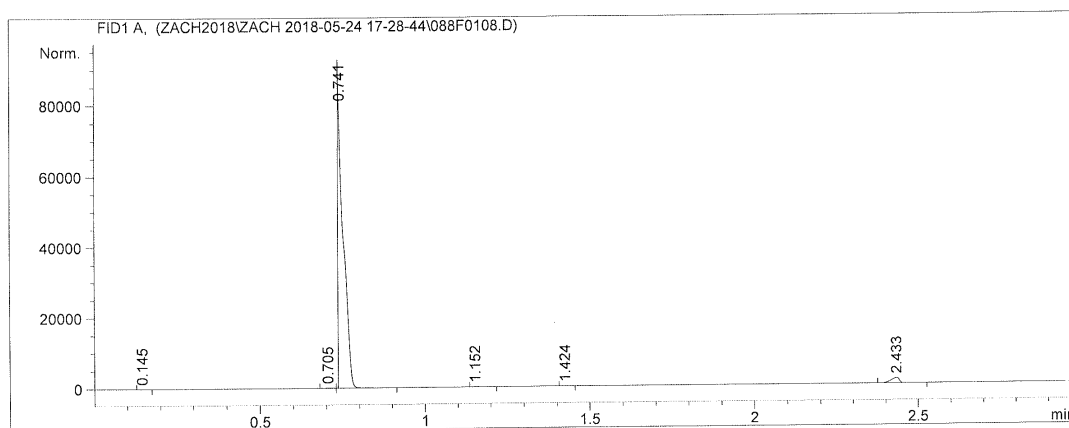
Sample Name: 3-furyl

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-May-18, 17:57:47              Inj       :    8
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 17-28-44\Z1.M
Last changed    : 5/24/2018 3:54:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



```

=====
                          Area Percent Report
=====

```

```

Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs

```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.145	BB	0.0134	1.64593	2.04557	0.00164
2	0.705	BV	0.0204	111.17954	72.11171	0.11073
3	0.741	VB S	0.0203	9.75236e4	7.99360e4	97.13080
4	1.152	BB	0.0174	49.51886	40.78297	0.04932
5	1.424	BB	0.0166	1.33730	1.16819	0.00133
6	2.433	BB	0.0263	2717.12134	1530.24231	2.70618

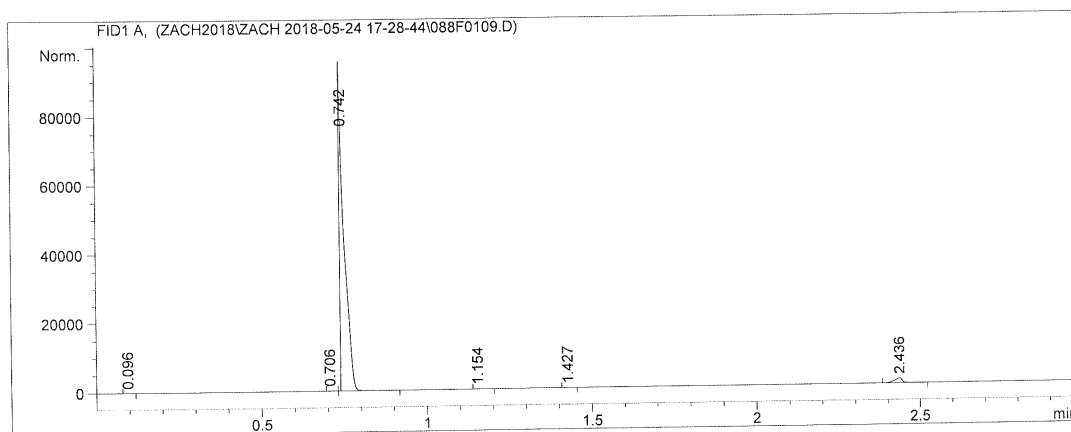
```
Totals :                      1.00404e5  8.15823e4
```


Furan-3-carboxaldehyde Sequence #3 – Run #9

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 17-28-44\088F0109.D
 Sample Name: 3-furyl

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-May-18, 18:01:49              Inj       :    9
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 17-28-44\Z1.M
Last changed    : 5/24/2018 3:54:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.096	BB	0.0127	1.73074	2.13553	0.00189
2	0.706	BV	0.0171	124.47609	99.10055	0.13613
3	0.742	VB S	0.0196	8.89489e4	7.56939e4	97.27310
4	1.154	BB	0.0162	30.64386	27.46622	0.03351
5	1.427	BB	0.0159	1.19193	1.09637	0.00130
6	2.436	BB	0.0263	2335.50195	1367.94031	2.55407

Totals : 9.14424e4 7.71917e4

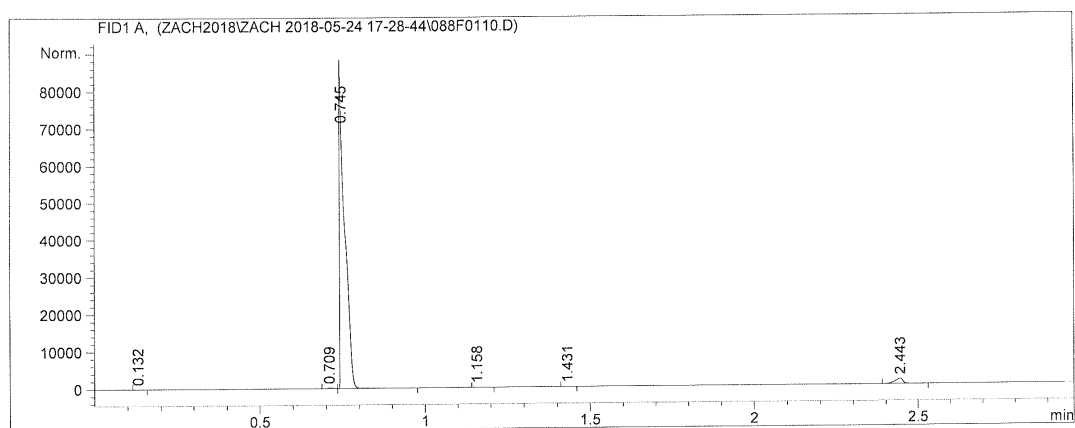
Furan-3-carboxaldehyde Sequence #3 – Run #10

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 17-28-44\088F0110.D

Sample Name: 3-furyl

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-May-18, 18:05:49              Inj       :   10
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 17-28-44\Z1.M
Last changed    : 5/24/2018 3:54:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.132	BB	0.0135	1.82729	2.25568	0.00191
2	0.709	BV	0.0191	134.32567	89.48921	0.14021
3	0.745	VB S	0.0221	9.32271e4	7.03300e4	97.30862
4	1.158	BB	0.0174	23.57952	19.44062	0.02461
5	1.431	BB	0.0170	1.17872	1.05840	0.00123
6	2.443	BB	0.0266	2417.58032	1394.55237	2.52342

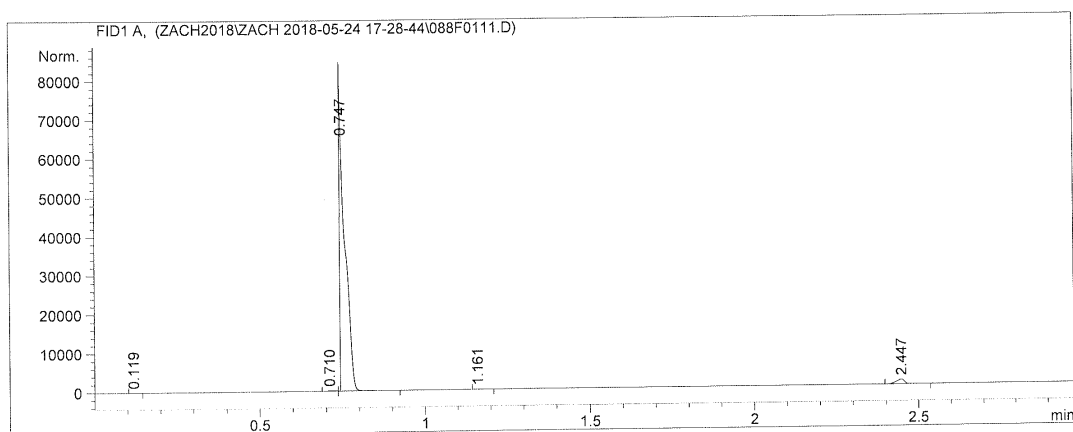
Totals : 9.58056e4 7.18368e4

Furan-3-carboxaldehyde Sequence #3 – Run #11

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-24 17-28-44\088F0111.D
 Sample Name: 3-furyl

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 24-May-18, 18:09:50              Inj       :   11
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-24 17-28-44\Z1.M
Last changed    : 5/24/2018 3:54:01 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.119	BB	0.0134	1.77627	2.20622	0.00200
2	0.710	BV	0.0194	152.97627	104.90627	0.17260
3	0.747	VB S	0.0223	8.63776e4	6.46034e4	97.45661
4	1.161	BB	0.0191	15.32400	11.87764	0.01729
5	2.447	BB	0.0270	2084.17676	1179.42712	2.35150

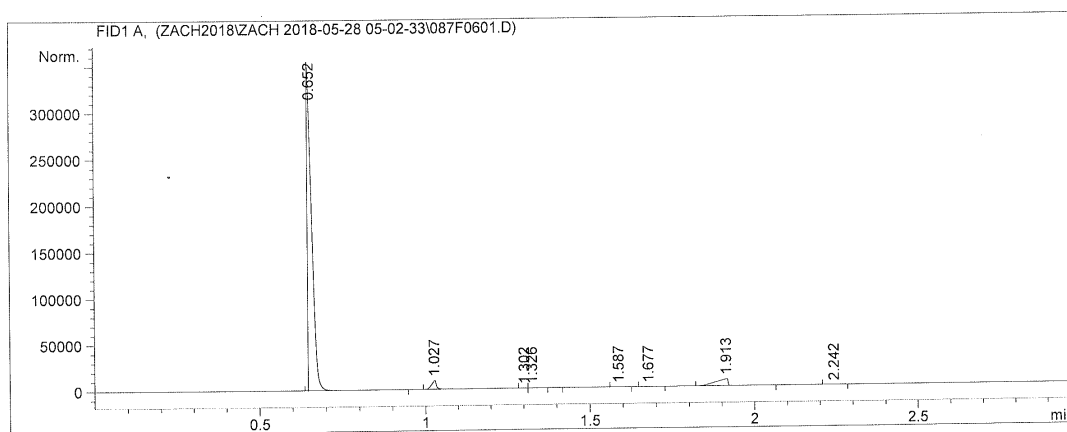
Totals : 8.86319e4 6.59018e4

```
=====
*** End of Report ***
=====
```

2-Octanone: Sequence #1 – Run #1

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\087F0601.D
 Sample Name: 2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    6
Acq. Instrument : Instrument 1                    Location  : Vial 87
Injection Date  : 28-May-18, 05:25:40              Inj       :    1
                                                Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\Z4.M
Last changed    : 5/28/2018 4:50:57 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.652	BB S	0.0162	3.23793e5	3.09346e5	91.75942
2	1.027	BB S	0.0154	9871.81152	9453.52344	2.79756
3	1.302	PV T	0.0165	2.78177	2.60563	0.00079
4	1.326	VB T	0.0198	5.26139	3.87667	0.00149
5	1.587	BB	0.0209	12.65350	9.62679	0.00359
6	1.677	BB	0.0232	90.27430	59.71674	0.02558
7	1.913	BB	0.0334	1.90938e4	7386.50635	5.41097
8	2.242	BB	0.0277	2.13113	1.12305	0.00060

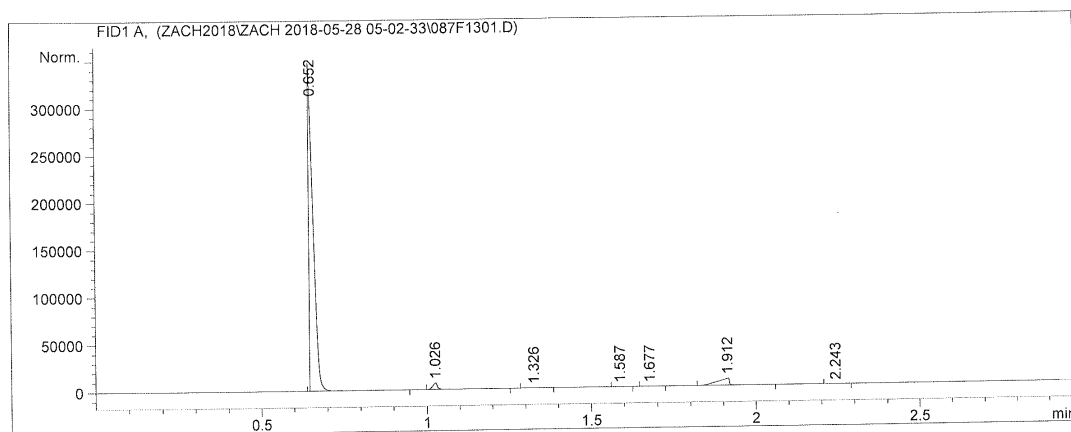
Totals : 3.52872e5 3.26263e5

2-Octanone: Sequence #1 – Run #2

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\087F1301.D
 Sample Name: 2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   13
Acq. Instrument : Instrument 1                     Location  : Vial 87
Injection Date  : 28-May-18, 05:59:10              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\Z4.M
Last changed    : 5/28/2018 4:50:57 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.652	BB S	0.0154	3.20898e5	3.07731e5	92.62102
2	1.026	BB S	0.0164	7121.58057	6679.17383	2.05550
3	1.326	VB	0.0275	7.60818	3.78182	0.00220
4	1.587	BB	0.0211	12.27081	9.20650	0.00354
5	1.677	BB	0.0234	86.17944	56.59902	0.02487
6	1.912	BB	0.0313	1.83358e4	7414.15283	5.29226
7	2.243	BB	0.0285	2.09689	1.06919	0.00061

Totals : 3.46464e5 3.21895e5

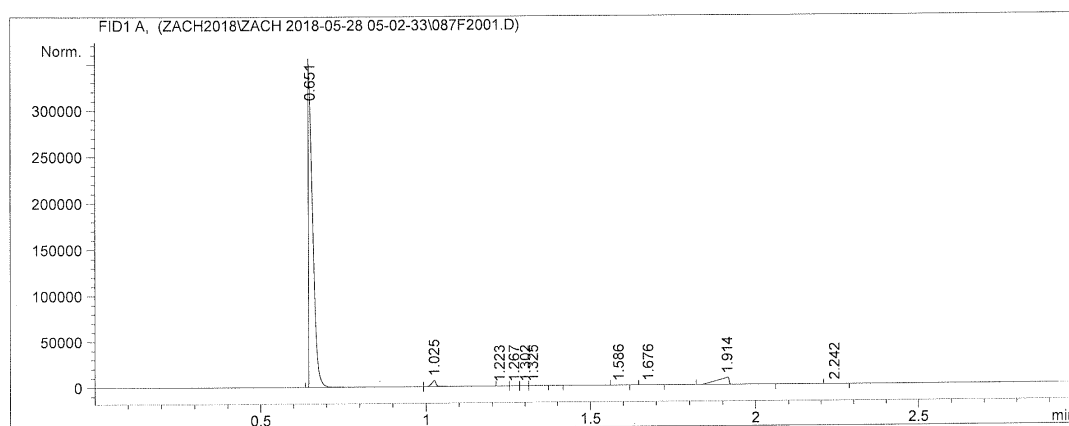
2-Octanone: Sequence #1 – Run #3

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\087F2001.D

Sample Name: 2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   20
Acq. Instrument : Instrument 1                     Location  : Vial 87
Injection Date  : 28-May-18, 06:32:37              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\Z4.M
Last changed    : 5/28/2018 4:50:57 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

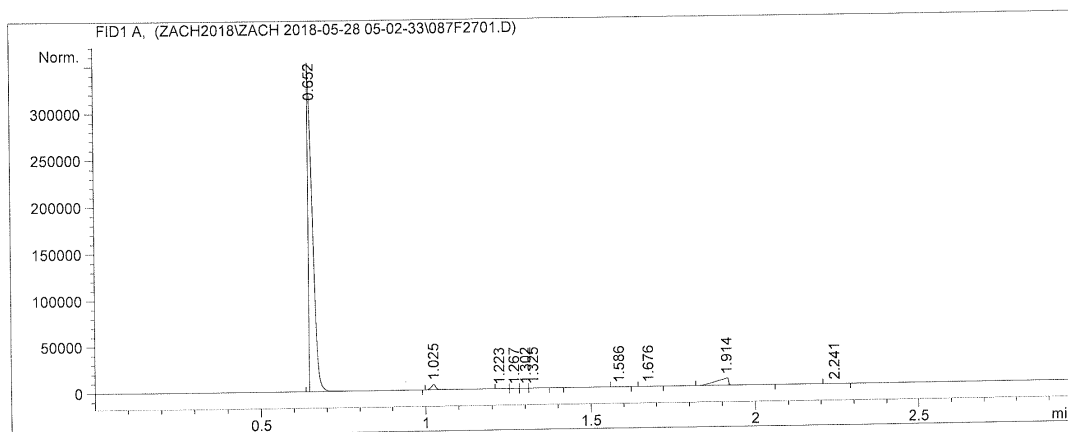
Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.651	BV S	0.0160	3.14798e5	3.06051e5	92.36357
2	1.025	VB S	0.0145	6480.42480	6707.89355	1.90139
3	1.223	BV X	0.0132	1.16678	1.47291	0.00034
4	1.267	VV X	0.0138	1.13676	1.37135	0.00033
5	1.302	VV X	0.0160	3.01382	2.92368	0.00088
6	1.325	VB X	0.0201	7.05365	4.87261	0.00207
7	1.586	BB	0.0190	12.93375	10.62256	0.00379
8	1.676	BB	0.0223	91.13455	63.75425	0.02674
9	1.914	BB	0.0353	1.94278e4	7422.10547	5.70022
10	2.242	BB	0.0274	2.22307	1.19046	0.00065

2-Octanone: Sequence #1 – Run #4

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\087F2701.D
 Sample Name: 2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   27
Acq. Instrument : Instrument 1                     Location  : Vial 87
Injection Date  : 28-May-18, 07:06:09              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\Z4.M
Last changed    : 5/28/2018 4:50:57 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

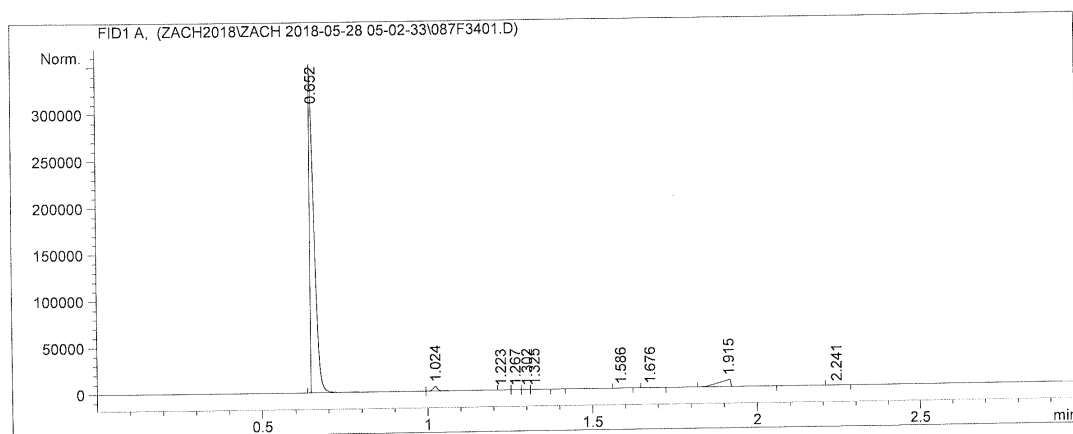
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.652	BB S	0.0152	3.18287e5	3.08249e5	92.58882
2	1.025	BB S	0.0148	5650.29639	5682.84277	1.64366
3	1.223	BV T	0.0127	1.06829	1.40183	0.00031
4	1.267	PV T	0.0139	1.01204	1.21743	0.00029
5	1.302	PV T	0.0157	2.69860	2.69360	0.00079
6	1.325	PB T	0.0197	6.43869	4.54324	0.00187
7	1.586	BB	0.0196	13.22240	10.44095	0.00385
8	1.676	BB	0.0239	92.47747	61.82640	0.02690
9	1.914	BB	0.0337	1.97075e4	7527.77588	5.73287
10	2.241	BB	0.0266	2.19935	1.22295	0.00064

2-Octanone: Sequence #1 – Run #5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\087F3401.D
Sample Name: 2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   34
Acq. Instrument : Instrument 1                     Location  : Vial 87
Injection Date  : 28-May-18, 07:39:38              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\Z4.M
Last changed    : 5/28/2018 4:50:57 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

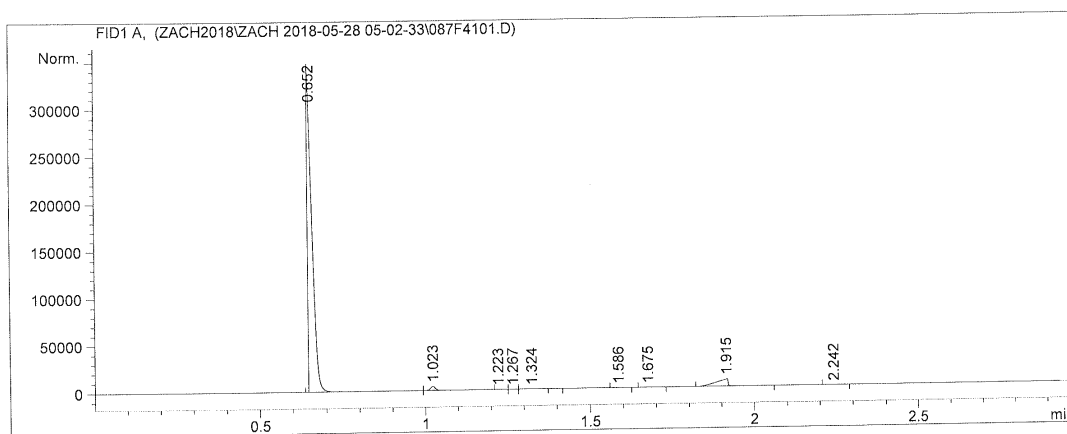
Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.652	BV S	0.0153	3.17629e5	3.05500e5	92.73811
2	1.024	VB S	0.0149	5214.13818	5207.59912	1.52237
3	1.223	BV X	0.0143	1.30478	1.52531	0.00038
4	1.267	VV X	0.0149	1.16112	1.29685	0.00034
5	1.302	VV X	0.0161	2.96508	2.86270	0.00087
6	1.325	VB X	0.0207	7.29311	4.86848	0.00213
7	1.586	BB	0.0194	13.02616	10.41864	0.00380
8	1.676	BB	0.0225	91.45763	63.21734	0.02670
9	1.915	BB	0.0317	1.95385e4	7778.12158	5.70467
10	2.241	BB	0.0269	2.15645	1.18148	0.00063

2-Octanone: Sequence #1 – Run #6

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\087F4101.D
Sample Name: 2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   41
Acq. Instrument : Instrument 1                     Location  : Vial 87
Injection Date  : 28-May-18, 08:13:11             Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\Z4.M
Last changed    : 5/28/2018 4:50:57 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.652	BV S	0.0154	3.18015e5	3.02924e5	92.89015
2	1.023	VB S	0.0166	4747.54102	4386.12842	1.38673
3	1.223	BV X	0.0156	1.37686	1.47161	0.00040
4	1.267	VV X	0.0154	1.08220	1.16763	0.00032
5	1.324	VB X	0.0300	10.96119	4.91751	0.00320
6	1.586	BB	0.0210	13.03289	9.85785	0.00381
7	1.675	BB	0.0240	91.12949	60.35260	0.02662
8	1.915	BB	0.0317	1.94737e4	7761.54150	5.68814
9	2.242	BB	0.0284	2.19584	1.12141	0.00064

Totals : 3.42356e5 3.15151e5

Instrument 1 7/6/2018 10:25:03 PM Zach Taylor

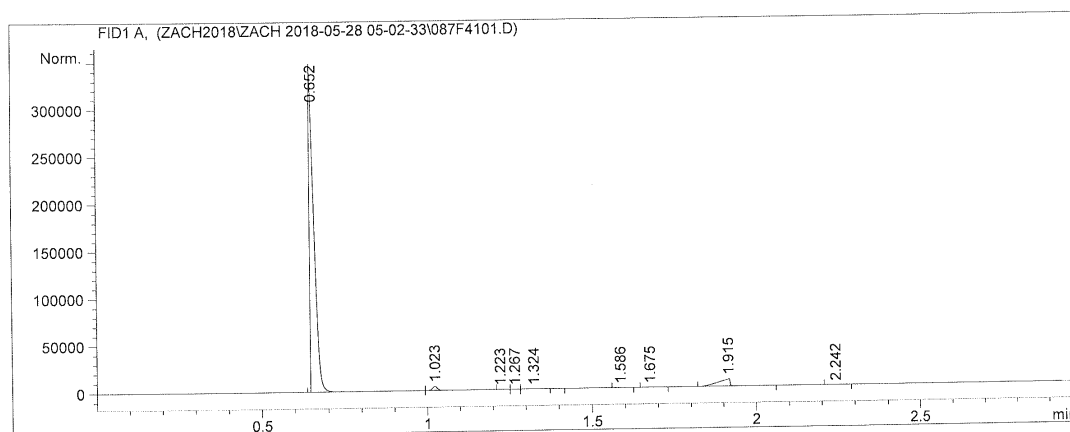
Page 1 of 2

2-Octanone: Sequence #1 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\087F4101.D
Sample Name: 2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   41
Acq. Instrument : Instrument 1                     Location  : Vial 87
Injection Date  : 28-May-18, 08:13:11              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\Z4.M
Last changed    : 5/28/2018 4:50:57 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.652	BV S	0.0154	3.18015e5	3.02924e5	92.89015
2	1.023	VB S	0.0166	4747.54102	4386.12842	1.38673
3	1.223	BV X	0.0156	1.37686	1.47161	0.00040
4	1.267	VV X	0.0154	1.08220	1.16763	0.00032
5	1.324	VB X	0.0300	10.96119	4.91751	0.00320
6	1.586	BB	0.0210	13.03289	9.85785	0.00381
7	1.675	BB	0.0240	91.12949	60.35260	0.02662
8	1.915	BB	0.0317	1.94737e4	7761.54150	5.68814
9	2.242	BB	0.0284	2.19584	1.12141	0.00064

Totals : 3.42356e5 3.15151e5

Instrument 1 7/6/2018 10:25:03 PM Zach Taylor

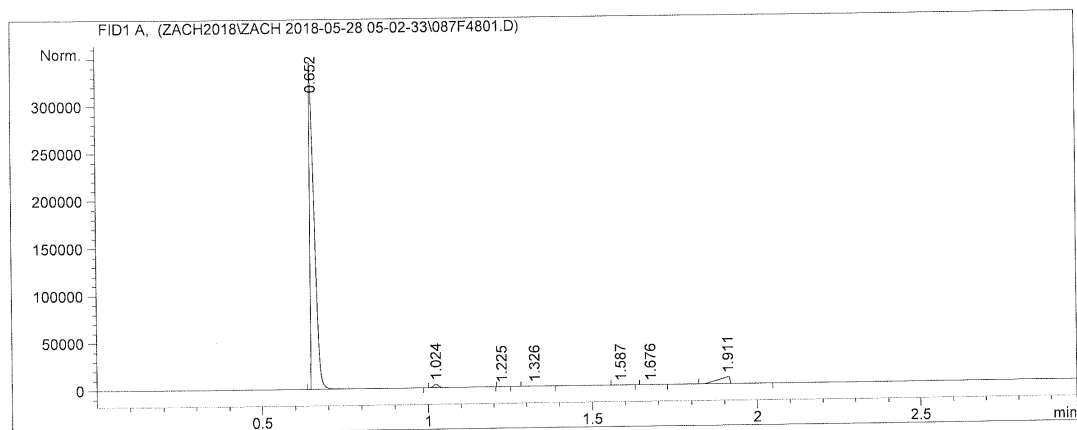
Page 1 of 2

2-Octanone: Sequence #1 – Run #8

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\087F4801.D
 Sample Name: 2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   48
Acq. Instrument : Instrument 1                      Location  : Vial 87
Injection Date  : 28-May-18, 08:46:40              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\Z4.M
Last changed    : 5/28/2018 4:50:57 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



=====
 Area Percent Report
 =====

Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.652	BB S	0.0161	3.19648e5	3.08897e5	93.50013
2	1.024	BB S	0.0171	4048.85229	3609.23022	1.18433
3	1.225	BB	0.0149	1.12657	1.20256	0.00033
4	1.326	VB	0.0304	8.41670	3.83266	0.00246
5	1.587	BB	0.0228	11.94444	8.51303	0.00349
6	1.676	BB	0.0257	84.67469	53.45954	0.02477
7	1.911	BB	0.0353	1.80660e4	7098.55273	5.28449

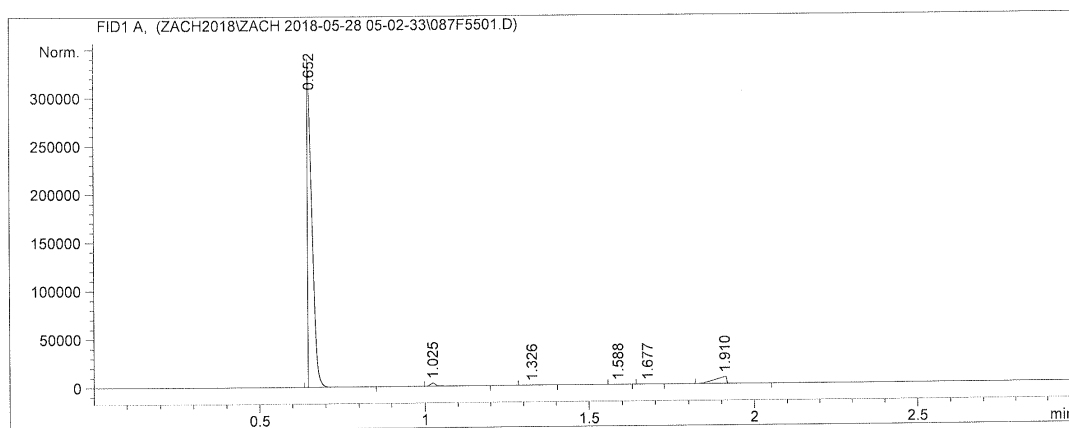
Totals : 3.41869e5 3.19671e5

2-Octanone: Sequence #1 – Run #9

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\087F5501.D
Sample Name: 2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   55
Acq. Instrument : Instrument 1                     Location  : Vial 87
Injection Date  : 28-May-18, 09:20:13              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\Z4.M
Last changed    : 5/28/2018 4:50:57 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

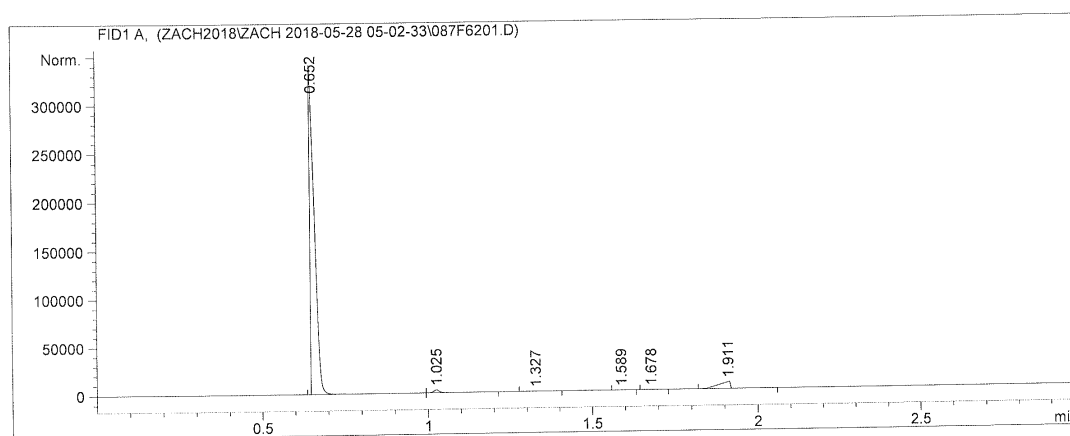
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.652	BB S	0.0161	3.14169e5	3.03489e5	93.61553
2	1.025	BB S	0.0183	3705.27124	3202.11694	1.10409
3	1.326	VB	0.0321	9.24149	3.83437	0.00275
4	1.588	BB	0.0229	11.96441	8.43697	0.00357
5	1.677	BB	0.0260	82.45153	51.11640	0.02457
6	1.910	BB	0.0332	1.76170e4	7046.03320	5.24949

Totals : 3.35595e5 3.13800e5

2-Octanone: Sequence #1 – Run #10

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\087F6201.D
Sample Name: 2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   62
Acq. Instrument : Instrument 1                     Location  : Vial 87
Injection Date  : 28-May-18, 09:53:38              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\Z4.M
Last changed    : 5/28/2018 4:50:57 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.652	BV S	0.0165	3.28990e5	3.07338e5	93.93646
2	1.025	VB S	0.0183	3594.18945	2931.71216	1.02625
3	1.327	BB	0.0286	6.31881	3.09168	0.00180
4	1.589	BB	0.0234	11.54762	7.90778	0.00330
5	1.678	BB	0.0255	81.79879	50.01024	0.02336
6	1.911	BB	0.0378	1.75422e4	6868.27490	5.00883

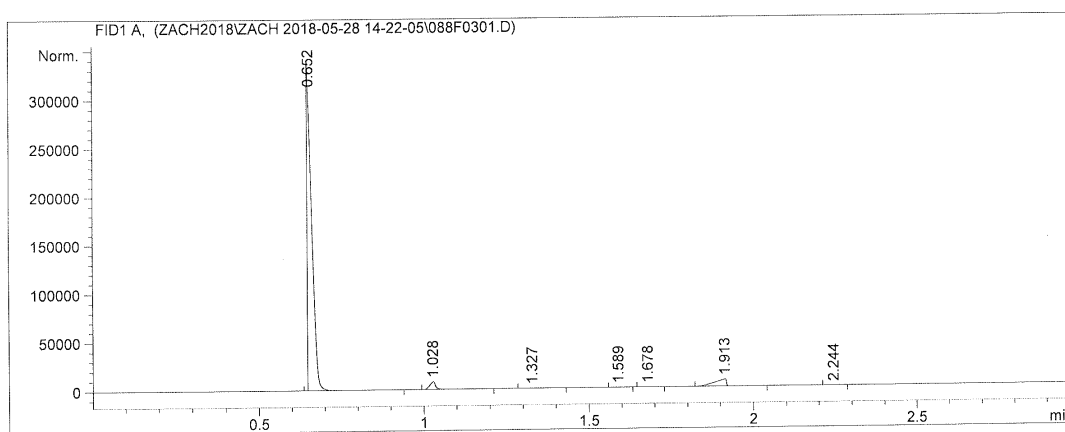
```
Totals :                      3.50226e5  3.17199e5
```

2-Octanone: Sequence #2 – Run #1

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\088F0301.D
 Sample Name: 2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    3
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 28-May-18, 14:32:53              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z4.M
Last changed    : 5/28/2018 4:50:57 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

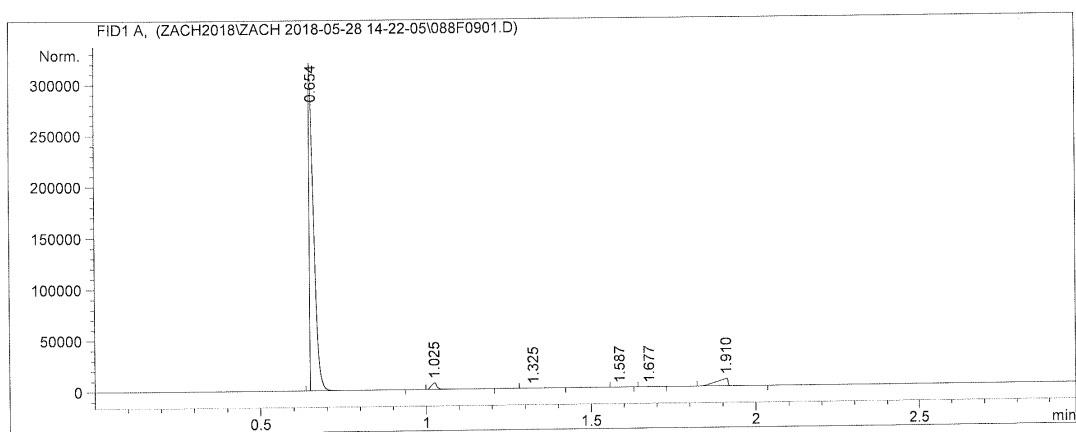
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.652	BB S	0.0163	3.24951e5	3.08794e5	92.00664
2	1.028	BB S	0.0188	9554.66699	7969.86279	2.70531
3	1.327	VB	0.0346	8.46949	3.31331	0.00240
4	1.589	BB	0.0233	12.32537	8.51759	0.00349
5	1.678	BB	0.0264	88.01116	53.51017	0.02492
6	1.913	BB	0.0339	1.85655e4	7249.91504	5.25665
7	2.244	BB	0.0287	2.07901	1.04972	0.00059

Totals : 3.53182e5 3.24080e5

2-Octanone: Sequence #2 – Run #2

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\088F0901.D
 Sample Name: 2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    9
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 28-May-18, 15:05:58              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z4.M
Last changed    : 5/28/2018 4:50:57 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.654	BB S	0.0163	2.92589e5	2.78178e5	92.03658
2	1.025	BB S	0.0185	7486.39111	6362.01318	2.35492
3	1.325	VB	0.0353	8.34828	3.19621	0.00263
4	1.587	BB	0.0233	11.77377	8.12641	0.00370
5	1.677	BB	0.0266	83.23423	50.01735	0.02618
6	1.910	BB	0.0319	1.77263e4	7216.44873	5.57599

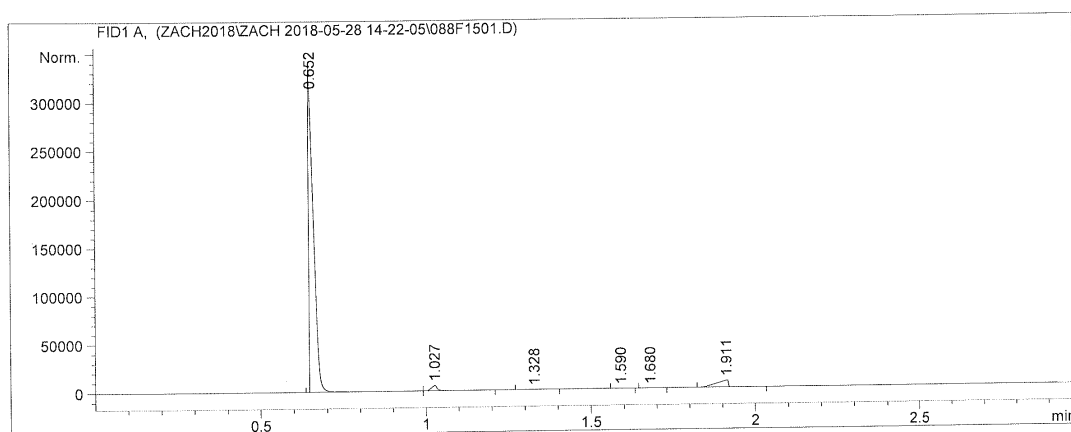
Totals : 3.17905e5 2.91818e5

2-Octanone: Sequence #2 – Run #3

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\088F1501.D
 Sample Name: 2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   15
Acq. Instrument : Instrument 1                    Location  : Vial 88
Injection Date  : 28-May-18, 15:39:03             Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z4.M
Last changed    : 5/28/2018 4:50:57 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.652	BV S	0.0164	3.28864e5	3.09006e5	93.08954
2	1.027	VB S	0.0181	6668.34326	5536.80957	1.88757
3	1.328	BB	0.0290	5.74813	2.77093	0.00163
4	1.590	BB	0.0238	11.80292	7.91105	0.00334
5	1.680	BB	0.0268	82.85082	49.35218	0.02345
6	1.911	BB	0.0347	1.76443e4	6892.10693	4.99447

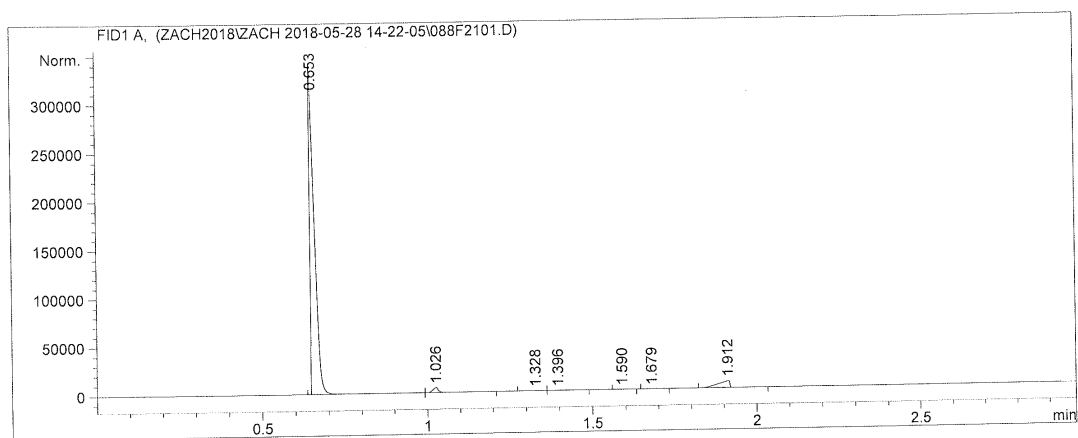
```
Totals :                      3.53277e5  3.21495e5
```


2-Octanone: Sequence #2 – Run #4

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\088F2101.D
 Sample Name: 2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   21
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 28-May-18, 16:12:07              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z4.M
Last changed    : 5/28/2018 4:50:57 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.653	BV S	0.0162	3.24681e5	3.09829e5	93.07349
2	1.026	VB S	0.0180	6146.57080	5111.92920	1.76198
3	1.328	BV	0.0271	5.97558	3.02429	0.00171
4	1.396	VB	0.0324	86.50874	40.09502	0.02480
5	1.590	BB	0.0229	11.78283	8.33365	0.00338
6	1.679	BB	0.0263	83.54507	50.99400	0.02395
7	1.912	BB	0.0348	1.78283e4	7118.95654	5.11069

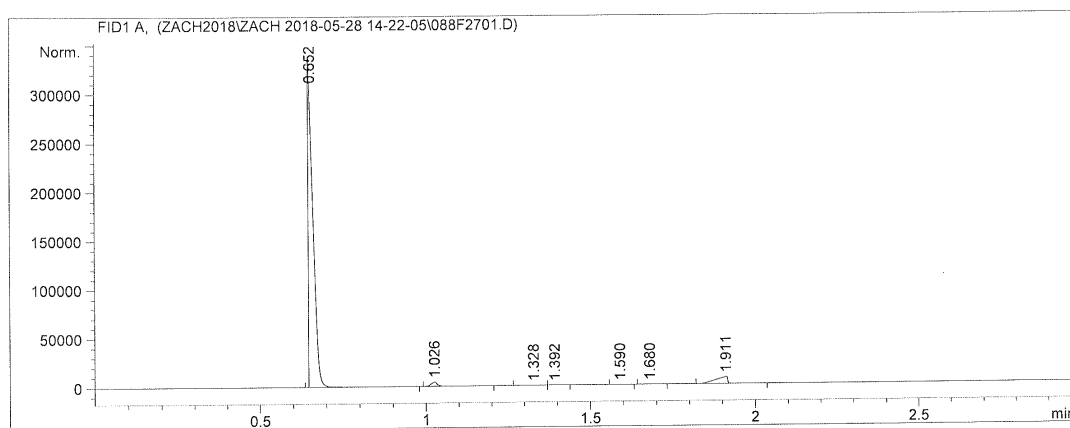
Totals : 3.48844e5 3.22162e5

2-Octanone: Sequence #2 – Run #5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\088F2701.D
 Sample Name: 2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   27
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 28-May-18, 16:45:11              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z4.M
Last changed    : 5/28/2018 4:50:57 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.652	BB S	0.0173	3.28639e5	3.06993e5	93.41366
2	1.026	BB S	0.0204	5528.91016	4350.24072	1.57156
3	1.328	BV	0.0354	7.49640	2.93743	0.00213
4	1.392	VB	0.0225	1.47549	1.01895	0.00042
5	1.590	BB	0.0239	11.63143	7.74630	0.00331
6	1.680	BB	0.0272	82.53821	48.11826	0.02346
7	1.911	BB	0.0331	1.75394e4	6850.14014	4.98546

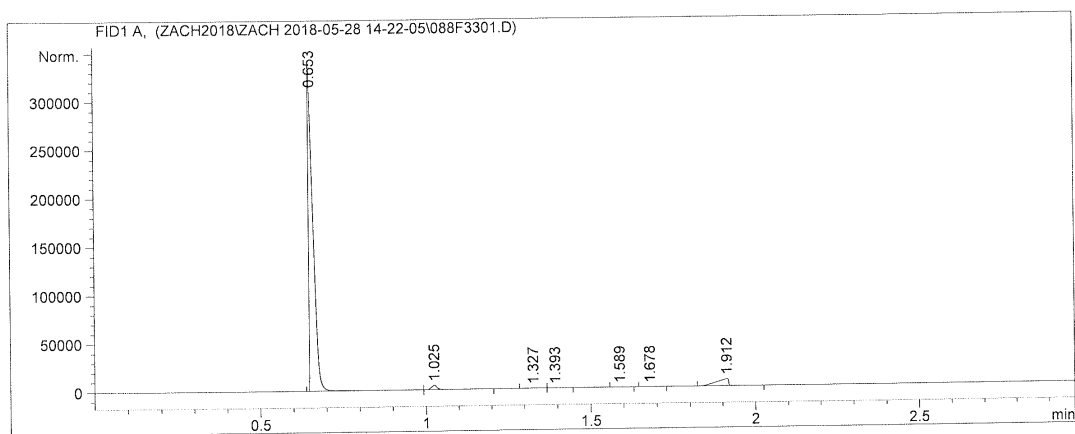
Totals : 3.51811e5 3.18253e5

2-Octanone: Sequence #2 – Run #6

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\088F3301.D
 Sample Name: 2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   33
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 28-May-18, 17:18:13              Inj       :    1
                                                Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z4.M
Last changed    : 5/28/2018 4:50:57 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.653	BV S	0.0160	3.19278e5	3.10042e5	93.11455
2	1.025	VB S	0.0189	5398.67285	4479.47949	1.57447
3	1.327	VV	0.0328	8.35542	3.48655	0.00244
4	1.393	VB	0.0223	1.66117	1.16122	0.00048
5	1.589	BB	0.0225	11.97149	8.24174	0.00349
6	1.678	BB	0.0267	85.00382	50.96968	0.02479
7	1.912	BB	0.0323	1.81037e4	7257.18115	5.27977

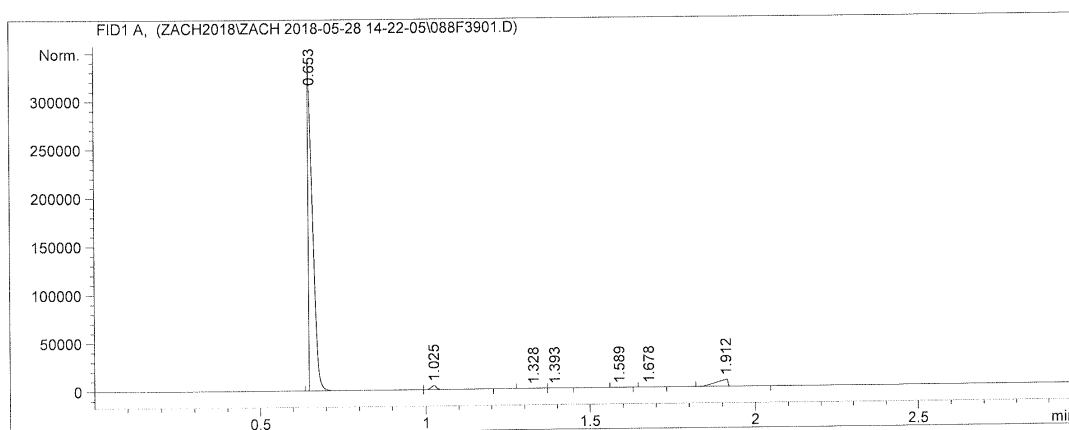
Totals : 3.42888e5 3.21843e5

2-Octanone: Sequence #2 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\088F3901.D
 Sample Name: 2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   39
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 28-May-18, 17:51:20              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z4.M
Last changed    : 5/28/2018 4:50:57 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.653	BV S	0.0158	3.16566e5	3.11949e5	93.24204
2	1.025	VB S	0.0169	4993.21436	4258.46631	1.47071
3	1.328	BV	0.0314	7.50562	3.28819	0.00221
4	1.393	VB	0.0223	1.76992	1.29605	0.00052
5	1.589	BB	0.0220	11.63701	8.26034	0.00343
6	1.678	BB	0.0253	83.72596	51.58538	0.02466
7	1.912	BB	0.0309	1.78461e4	7314.97998	5.25642

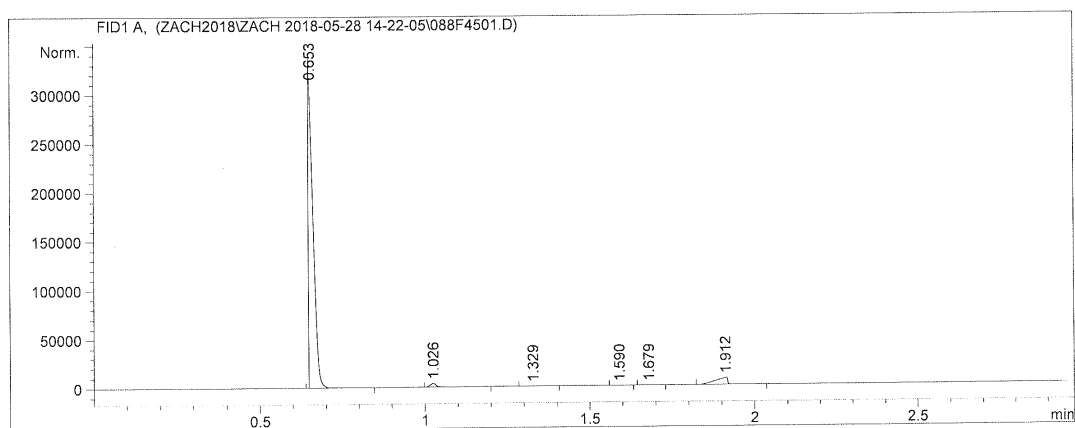
Totals : 3.39510e5 3.23587e5

2-Octanone: Sequence #2 – Run #8

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\088F4501.D
 Sample Name: 2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   45
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 28-May-18, 18:24:27              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z4.M
Last changed    : 5/28/2018 4:50:57 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

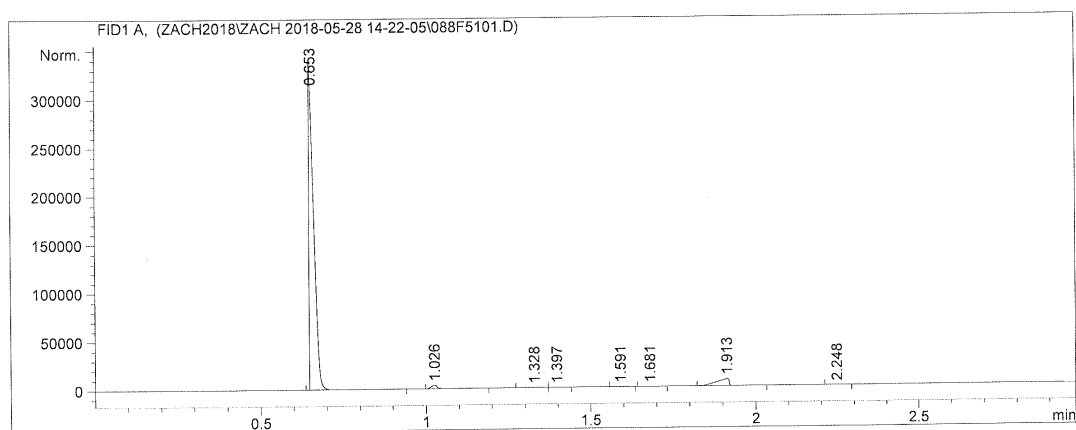
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.653	BB S	0.0159	3.23817e5	3.16915e5	93.46899
2	1.026	BB S	0.0185	4747.72070	3832.25171	1.37042
3	1.329	VB	0.0361	8.26994	3.08649	0.00239
4	1.590	BB	0.0236	11.82814	8.01535	0.00341
5	1.679	BB	0.0271	83.00923	48.70554	0.02396
6	1.912	BB	0.0313	1.77754e4	7185.96436	5.13083

```
Totals :                      3.46443e5  3.27993e5
```

2-Octanone: Sequence #2 – Run #9

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\088F5101.D
 Sample Name: 2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   51
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 28-May-18, 18:57:36              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z4.M
Last changed    : 5/28/2018 4:50:57 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.653	BB S	0.0165	3.33572e5	3.10347e5	93.46773
2	1.026	BB S	0.0196	4726.97754	3715.15430	1.32451
3	1.328	BV	0.0337	7.44069	3.09432	0.00208
4	1.397	VB	0.0260	1.93934	1.15383	0.00054
5	1.591	BB	0.0241	12.16255	8.02719	0.00341
6	1.681	BB	0.0274	86.61893	49.91524	0.02427
7	1.913	BB	0.0349	1.84753e4	7163.18555	5.17681
8	2.248	BB	0.0270	2.27447	1.15181	0.00064

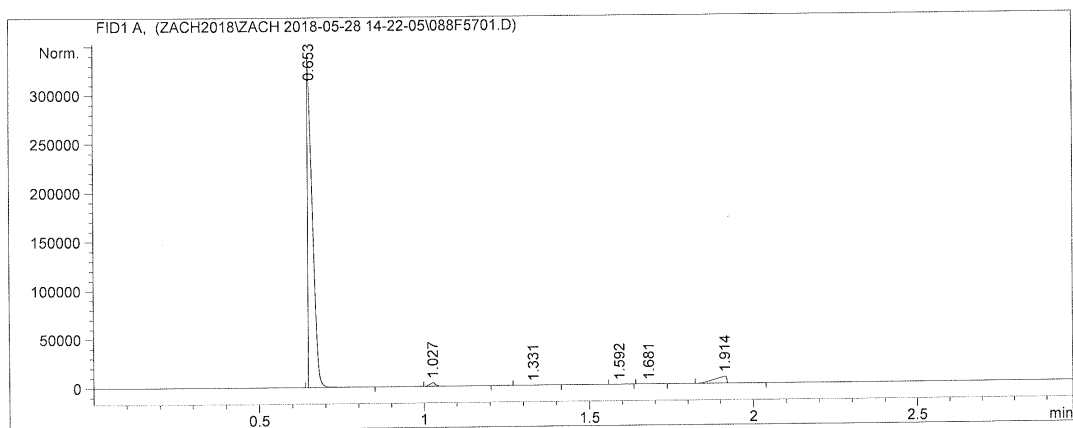
Totals : 3.56885e5 3.21289e5

2-Octanone: Sequence #2 – Run #10

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\088F5701.D
 Sample Name: 2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   57
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 28-May-18, 19:30:40              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z4.M
Last changed    : 5/28/2018 4:50:57 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.653	BB S	0.0166	3.36171e5	3.10418e5	93.56707
2	1.027	BB S	0.0186	4575.45703	3649.25952	1.27349
3	1.331	BB	0.0318	7.18837	2.93277	0.00200
4	1.592	BB	0.0247	13.02511	8.28173	0.00363
5	1.681	BB	0.0284	86.98044	49.68460	0.02421
6	1.914	BB	0.0346	1.84298e4	7037.52539	5.12960

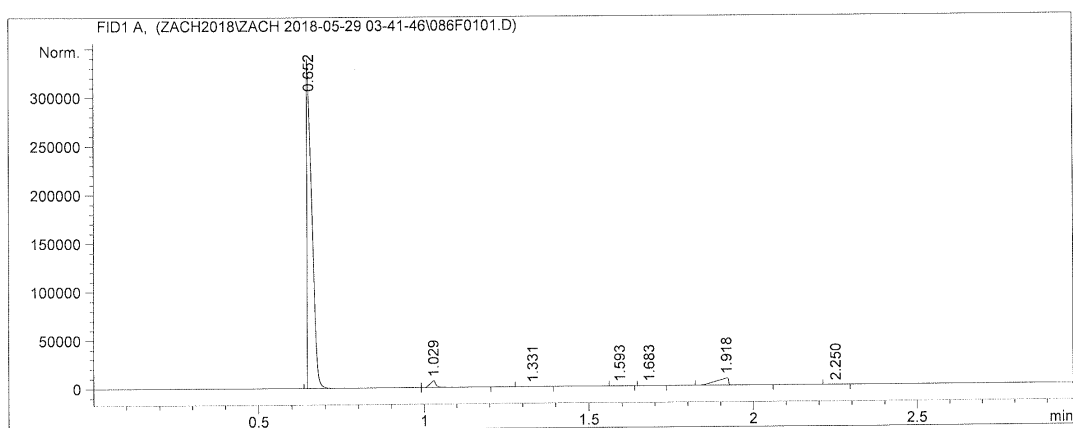
```
Totals :                      3.59284e5  3.21166e5
```

2-Octanone: Sequence #3 – Run #1

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\086F0101.D
 Sample Name: 2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 86
Injection Date  : 29-May-18, 03:43:34              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\Z4.M
Last changed    : 5/28/2018 4:50:57 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.652	BV S	0.0172	3.41470e5	3.01644e5	92.43769
2	1.029	VB S	0.0190	8477.87598	6601.95410	2.29501
3	1.331	BB	0.0283	6.59862	3.16498	0.00179
4	1.593	BB	0.0240	13.06432	8.68166	0.00354
5	1.683	BB	0.0270	90.94394	53.49072	0.02462
6	1.918	BB	0.0357	1.93449e4	7296.72852	5.23676
7	2.250	BB	0.0295	2.21597	1.12066	0.00060

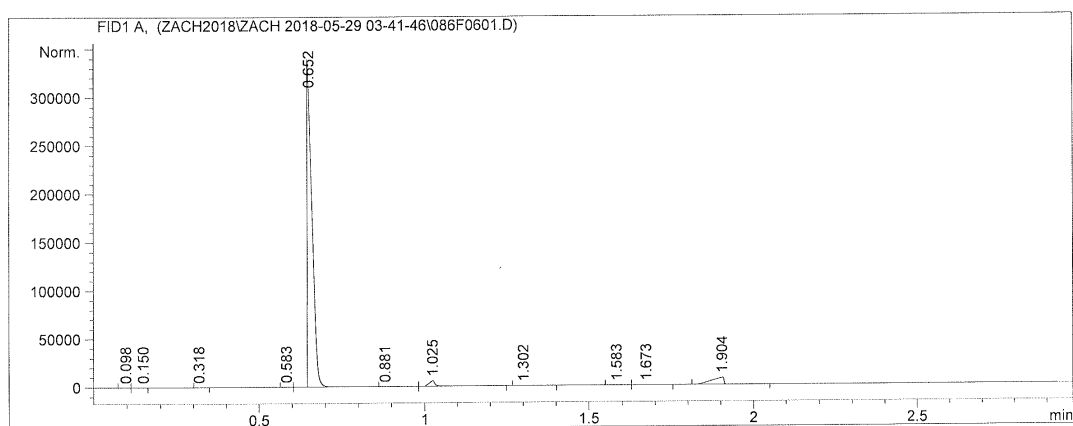
```
Totals :                      3.69405e5  3.15609e5
```


2-Octanone: Sequence #3 – Run #2

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\086F0601.D
 Sample Name: 2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    6
Acq. Instrument : Instrument 1                      Location  : Vial 86
Injection Date  : 29-May-18, 04:15:41              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\Z4.M
Last changed    : 5/28/2018 4:50:57 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

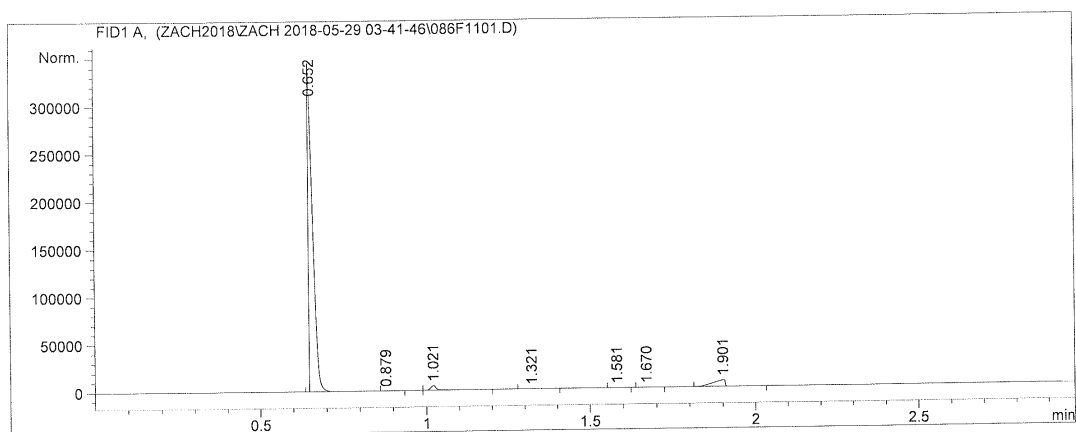
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.098	BV	0.0156	1.55933	1.68809	0.00042
2	0.150	VV	0.0267	3.20529	1.58800	0.00087
3	0.318	BB	0.0156	2.46716	2.17518	0.00067
4	0.583	BV	0.0162	1.41766	1.19505	0.00039
5	0.652	VV S	0.0171	3.41817e5	3.05539e5	92.95842
6	0.881	BV X	0.0303	35.16563	15.60035	0.00956
7	1.025	VB S	0.0184	6992.54102	5676.31982	1.90165
8	1.302	BB	0.0321	6.35873	2.43084	0.00173
9	1.583	BV	0.0250	13.47549	8.44951	0.00366
10	1.673	VB	0.0276	90.08624	51.49199	0.02450
11	1.904	BB	0.0358	1.87463e4	7432.41113	5.09813

2-Octanone: Sequence #3 – Run #3

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\086F1101.D
 Sample Name: 2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   11
Acq. Instrument : Instrument 1                     Location  : Vial 86
Injection Date  : 29-May-18, 04:47:56              Inj       :    1
                                                Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\Z4.M
Last changed    : 5/28/2018 4:50:57 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.652	BV S	0.0161	3.17793e5	3.05853e5	93.30067
2	0.879	BB X	0.0227	24.15515	15.06962	0.00709
3	1.021	VB S	0.0176	5499.30273	4720.69238	1.61454
4	1.321	VB	0.0328	7.86512	3.18625	0.00231
5	1.581	BB	0.0223	11.49997	8.05548	0.00338
6	1.670	BB	0.0253	80.36283	49.73480	0.02359
7	1.901	BB	0.0330	1.71956e4	6915.33252	5.04843

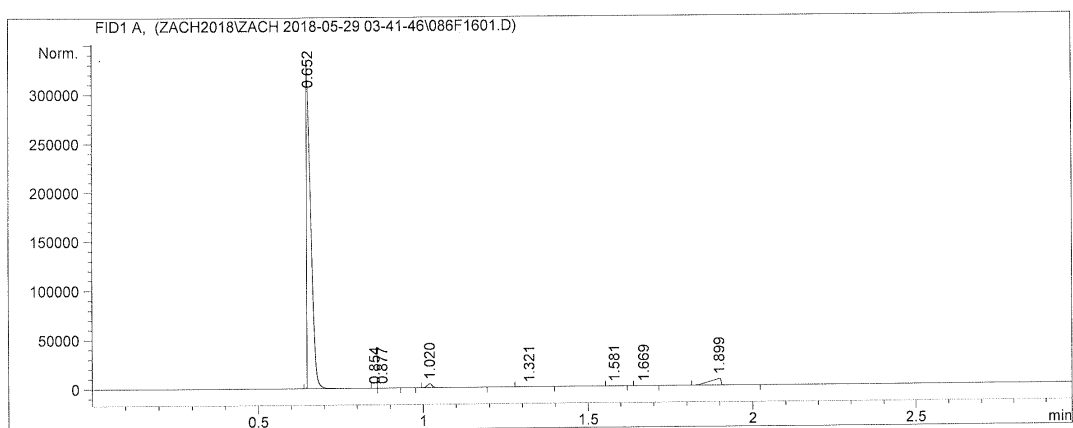
Totals : 3.40612e5 3.17565e5

2-Octanone: Sequence #3 – Run #4

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\086F1601.D
 Sample Name: 2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   16
Acq. Instrument : Instrument 1                     Location  : Vial 86
Injection Date  : 29-May-18, 05:20:08              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\Z4.M
Last changed    : 5/28/2018 4:50:57 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.652	BB S	0.0153	2.93397e5	3.01938e5	93.50722
2	0.854	BV X	0.0136	1.88457	2.31385	0.00060
3	0.877	VB X	0.0223	19.41114	12.39644	0.00619
4	1.020	BB S	0.0169	4397.24951	3977.62891	1.40143
5	1.321	VB	0.0306	7.16415	3.13912	0.00228
6	1.581	BB	0.0214	10.62436	7.85561	0.00339
7	1.669	BB	0.0243	74.35200	48.54428	0.02370
8	1.899	BB	0.0316	1.58617e4	6908.77881	5.05520

```
Totals :                      3.13770e5  3.12899e5
```

2-Octanone: Sequence #3 – Run #5

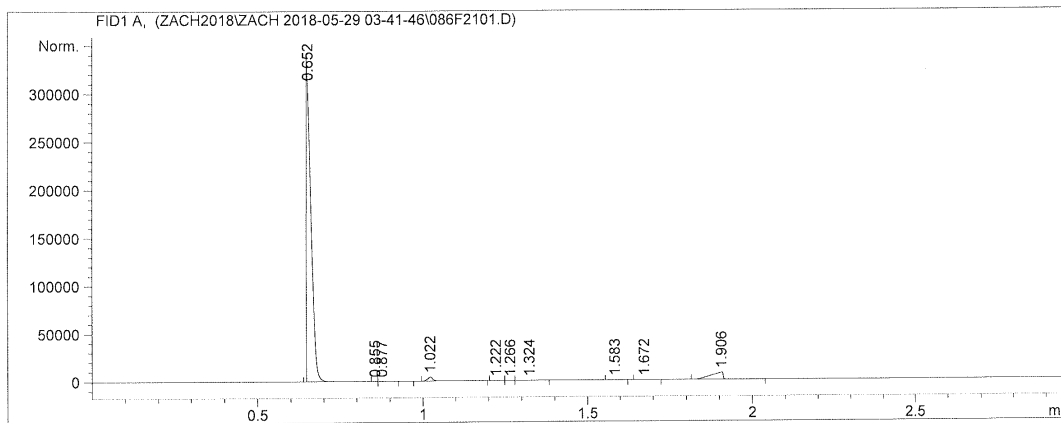
Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\086F2101.D

Sample Name: 2

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :   21
Acq. Instrument : Instrument 1                     Location  : Vial 86
Injection Date  : 29-May-18, 05:52:21              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\Z4.M
Last changed    : 5/28/2018 4:50:57 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



```

=====
                        Area Percent Report
=====

```

```

Sorted By           :      Signal
Multiplier          :      1.0000
Dilution            :      1.0000
Use Multiplier & Dilution Factor with ISTDs

```

Signal 1: FID1 A,

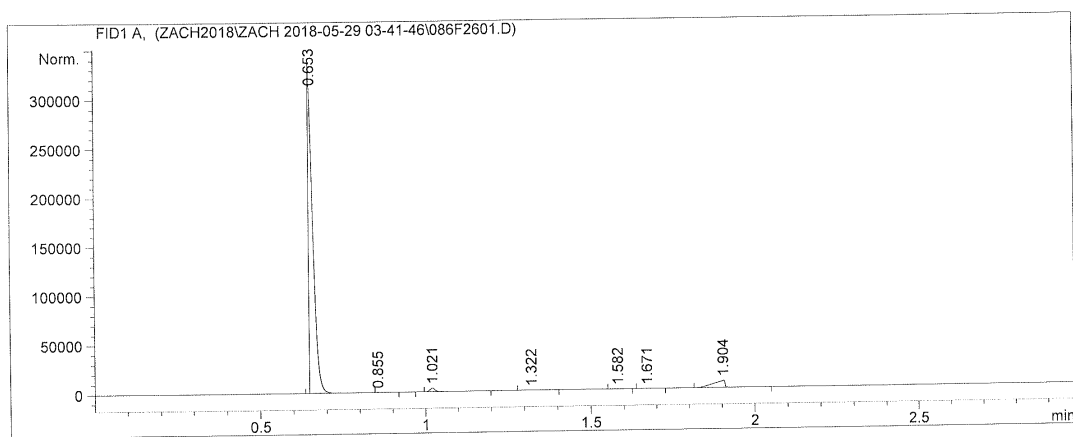
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.652	BB S	0.0161	3.20627e5	3.09240e5	93.12260
2	0.855	BV X	0.0145	2.98961	3.44735	0.00087
3	0.877	VB X	0.0219	15.21541	9.47833	0.00442
4	1.022	BB S	0.0160	4662.62207	4243.22217	1.35421
5	1.222	BB	0.0146	1.07513	1.18066	0.00031
6	1.266	BV	0.0153	1.01124	1.04412	0.00029
7	1.324	VB	0.0294	8.12803	3.73063	0.00236
8	1.583	BB	0.0217	12.61847	9.15787	0.00366
9	1.672	BB	0.0248	88.58444	56.25491	0.02573
10	1.906	BB	0.0354	1.88871e4	7204.90283	5.48554

2-Octanone: Sequence #3 – Run #6

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\086F2601.D
 Sample Name: 2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   26
Acq. Instrument : Instrument 1                     Location  : Vial 86
Injection Date  : 29-May-18, 06:24:35              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\Z4.M
Last changed    : 5/28/2018 4:50:57 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

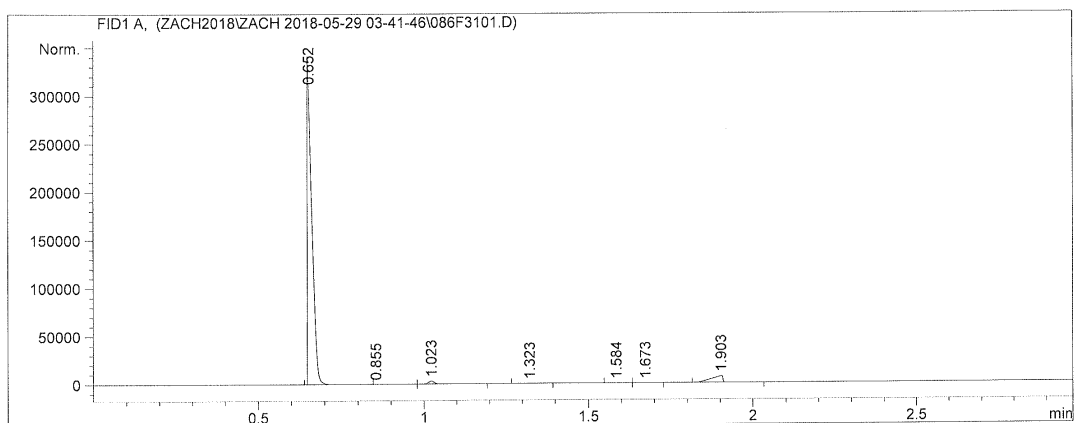
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.653	BB S	0.0154	3.03020e5	3.08976e5	93.25546
2	0.855	BB X	0.0484	12.47872	4.29847	0.00384
3	1.021	BB S	0.0174	4148.63818	3605.48364	1.27676
4	1.322	VB	0.0334	8.27583	3.37167	0.00255
5	1.582	BB	0.0233	11.82081	8.17495	0.00364
6	1.671	BB	0.0265	82.49314	49.88239	0.02539
7	1.904	BB	0.0334	1.76517e4	6995.73438	5.43237

Totals : 3.24935e5 3.19643e5

2-Octanone: Sequence #3 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\086F3101.D
Sample Name: 2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   31
Acq. Instrument : Instrument 1                     Location  : Vial 86
Injection Date  : 29-May-18, 06:56:56              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\Z4.M
Last changed    : 5/28/2018 4:50:57 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.652	BV S	0.0155	3.23326e5	3.07883e5	93.96874
2	0.855	BV X	0.0472	14.95523	5.28339	0.00435
3	1.023	VB S	0.0199	3753.02930	2904.66235	1.09075
4	1.323	BB	0.0315	5.94442	2.59684	0.00173
5	1.584	BB	0.0260	11.55947	7.15941	0.00336
6	1.673	BB	0.0288	79.50146	44.55054	0.02311
7	1.903	BB	0.0338	1.68873e4	6805.07471	4.90797

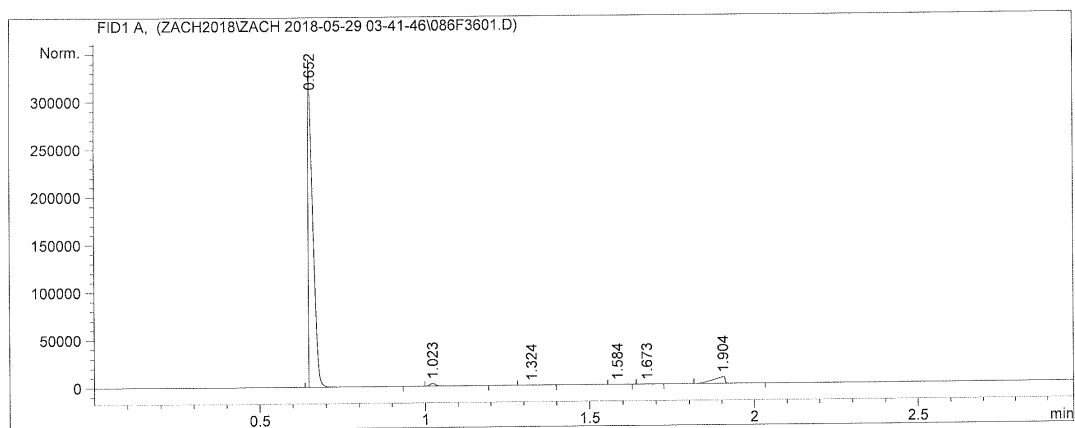
```
Totals :                      3.44078e5  3.17653e5
```

2-Octanone: Sequence #3 – Run #8

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\086F3601.D
 Sample Name: 2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   36
Acq. Instrument : Instrument 1                     Location  : Vial 86
Injection Date  : 29-May-18, 07:29:14              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\Z4.M
Last changed    : 5/28/2018 4:50:57 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.652	BB S	0.0154	3.22218e5	3.07744e5	93.88871
2	1.023	BB S	0.0187	3593.15186	3017.56274	1.04698
3	1.324	VB	0.0344	7.95733	3.13443	0.00232
4	1.584	BB	0.0236	11.58394	7.87048	0.00338
5	1.673	BB	0.0267	81.31065	48.59220	0.02369
6	1.904	BB	0.0342	1.72794e4	7043.85254	5.03492

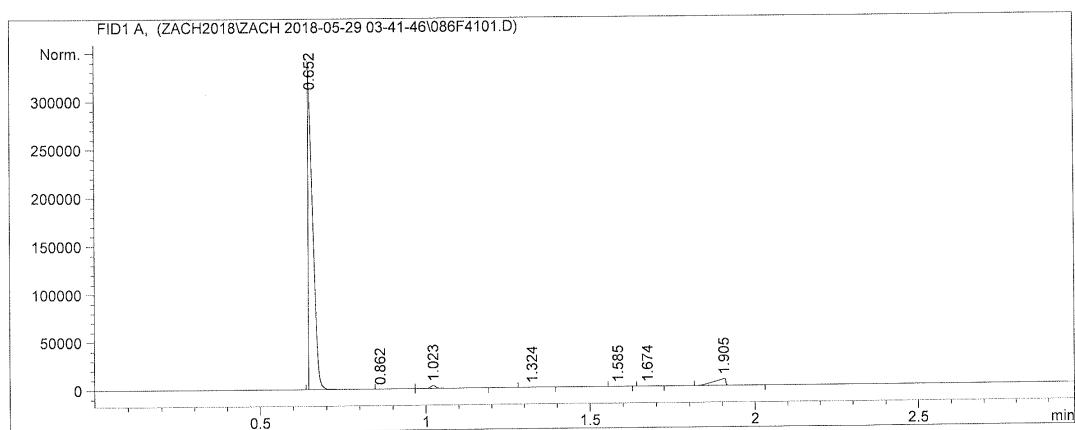
Totals : 3.43191e5 3.17865e5

2-Octanone: Sequence #3 – Run #9

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\086F4101.D
 Sample Name: 2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   41
Acq. Instrument : Instrument 1                     Location  : Vial 86
Injection Date  : 29-May-18, 08:01:33              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\Z4.M
Last changed    : 5/28/2018 4:50:57 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.652	BV S	0.0153	3.18962e5	3.07151e5	93.85833
2	0.862	BV X	0.0334	4.84809	2.41820	0.00143
3	1.023	VB S	0.0177	3442.66895	2937.92725	1.01305
4	1.324	VB	0.0345	8.50747	3.34083	0.00250
5	1.585	BB	0.0233	11.59098	8.00183	0.00341
6	1.674	BB	0.0265	81.36652	49.31236	0.02394
7	1.905	BB	0.0330	1.73225e4	6965.43652	5.09734

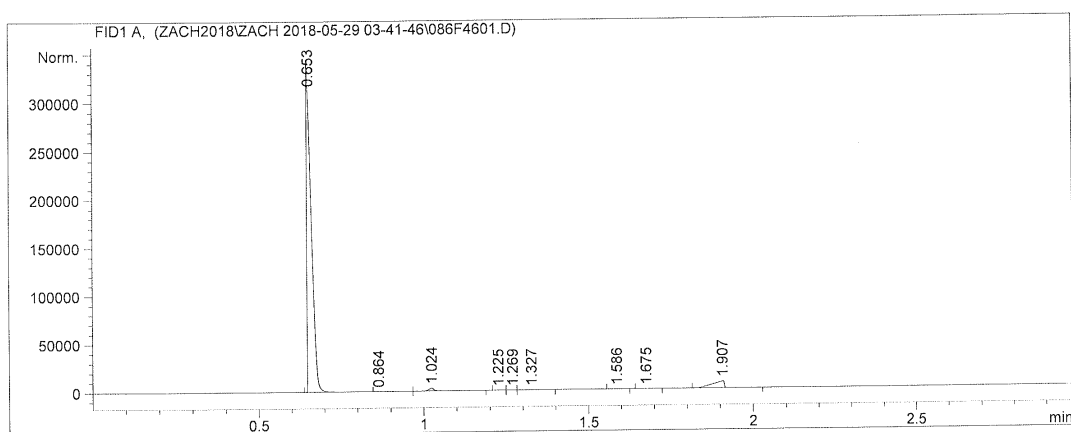
Totals : 3.39834e5 3.17118e5

2-Octanone: Sequence #3 – Run #10

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\086F4601.D
 Sample Name: 2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   46
Acq. Instrument : Instrument 1                     Location  : Vial 86
Injection Date  : 29-May-18, 08:33:44              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\Z4.M
Last changed    : 5/28/2018 4:50:57 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.653	BV S	0.0162	3.26360e5	3.12147e5	93.86227
2	0.864	BV X	0.0263	4.96502	2.59577	0.00143
3	1.024	VB S	0.0167	3361.82593	2901.01318	0.96687
4	1.225	BV	0.0170	1.19072	1.13769	0.00034
5	1.269	VV	0.0163	1.07967	1.02170	0.00031
6	1.327	VB	0.0330	8.71913	3.50452	0.00251
7	1.586	BB	0.0225	12.22060	8.46120	0.00351
8	1.675	BB	0.0253	84.07519	51.92862	0.02418
9	1.907	BB	0.0324	1.78669e4	7132.35107	5.13857

Totals : 3.47701e5 3.22249e5

Instrument 1 7/6/2018 10:28:29 PM Zach Taylor

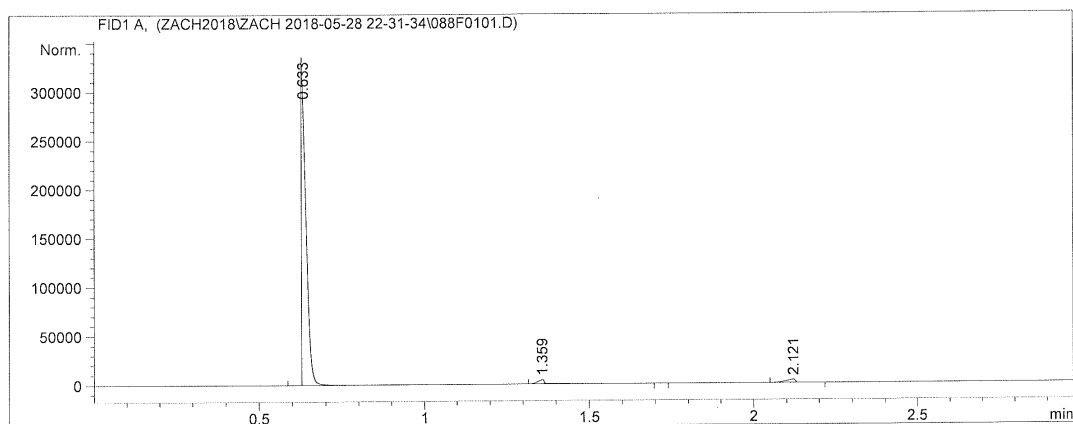
Page 1 of 2

Cyclohexanone: Sequence #1 – Run #1

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 22-31-34\088F0101.D
 Sample Name: Cyclohexanone

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 88
Injection Date  : 28-May-18, 22:32:34              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 22-31-34\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.633	BB S	0.0165	3.09900e5	2.88694e5	96.17488
2	1.359	BB X	0.0214	5934.90381	4172.29736	1.84185
3	2.121	BB	0.0285	6390.58984	3260.22290	1.98327

Totals : 3.22225e5 2.96127e5

```
=====
*** End of Report ***
=====
```

Cyclohexanone: Sequence #1 – Run #2

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 22-31-34\088F0102.D

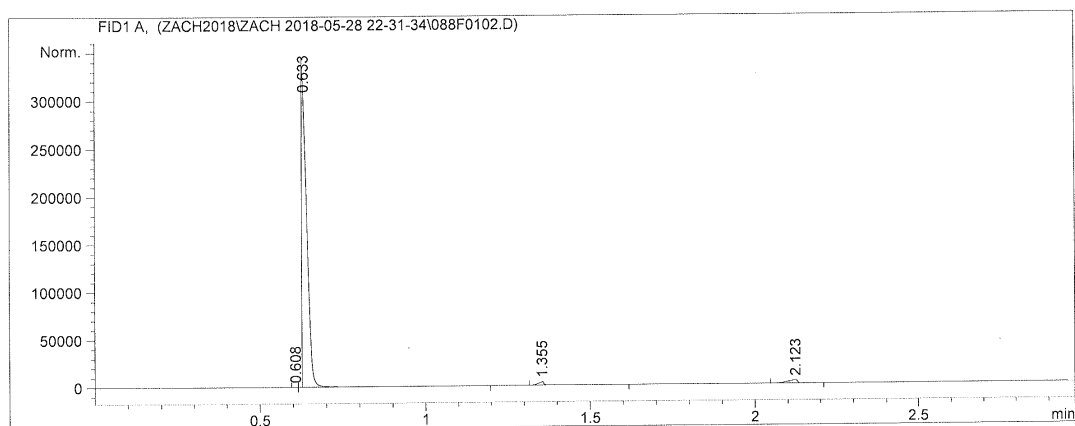
Sample Name: Cyclohexanone

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 28-May-18, 22:36:33              Inj       :    2
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 22-31-34\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



```

=====
Area Percent Report
=====

```

```

Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs

```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.608	BV	8.57e-3	4.15820	7.86252	0.00116
2	0.633	VB S	0.0181	3.46849e5	3.04027e5	96.91711
3	1.355	BB	0.0184	4222.25928	3422.04541	1.17979
4	2.123	BB	0.0305	6806.69580	3409.31787	1.90194

```
Totals :                3.57882e5  3.10866e5
```

```

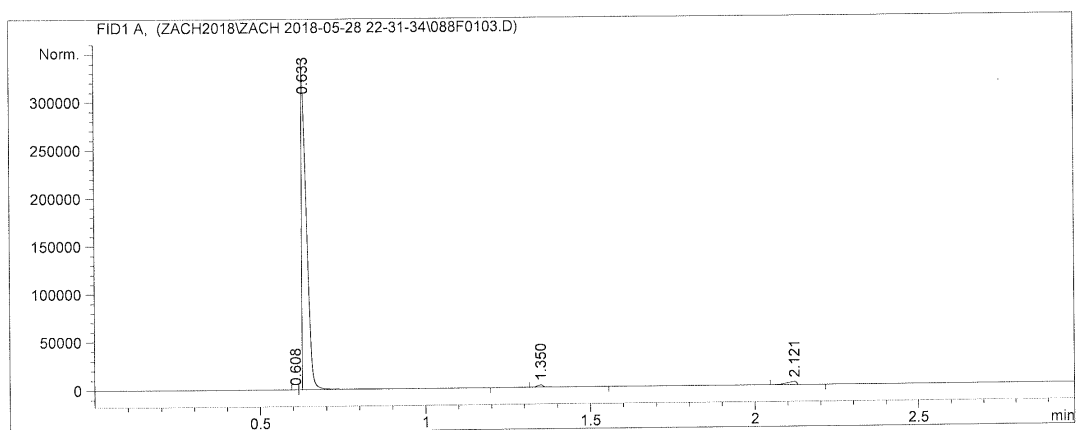
=====
*** End of Report ***

```

Cyclohexanone: Sequence #1 – Run #3

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 22-31-34\088F0103.D
 Sample Name: Cyclohexanone

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 28-May-18, 22:40:35              Inj       :    3
                                                Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 22-31-34\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.608	BV	8.94e-3	6.53637	11.66116	0.00185
2	0.633	VB S	0.0189	3.43561e5	3.03749e5	97.34013
3	1.350	BB	0.0188	2875.18091	2398.75928	0.81462
4	2.121	BB	0.0297	6506.25146	3259.98193	1.84340

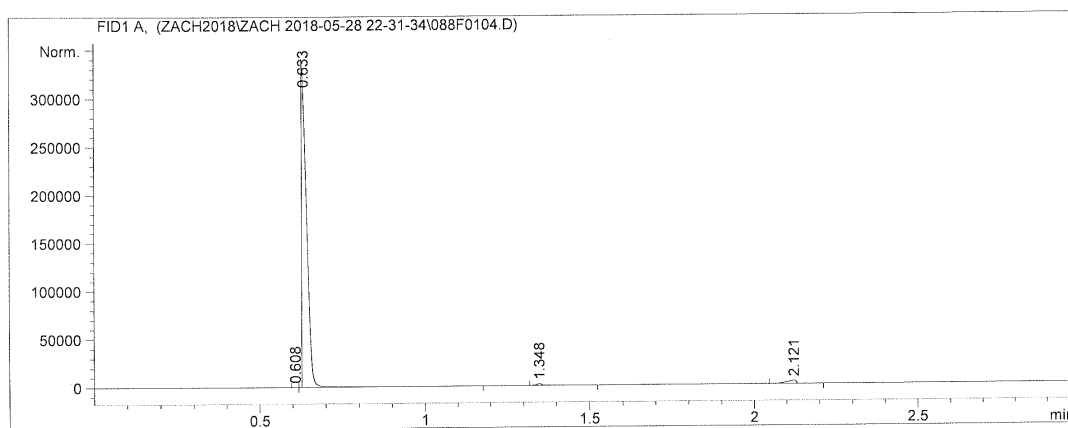
Totals : 3.52949e5 3.09419e5

```
=====
*** End of Report ***
=====
```

Cyclohexanone: Sequence #1 – Run #4

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 22-31-34\088F0104.D
 Sample Name: Cyclohexanone

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 28-May-18, 22:44:34              Inj       :    4
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 22-31-34\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.608	BV	9.26e-3	7.08207	12.04111	0.00197
2	0.633	VB S	0.0191	3.51587e5	3.06951e5	97.58323
3	1.348	BB	0.0177	2074.32227	1766.27332	0.57573
4	2.121	BB	0.0284	6626.07471	3271.59082	1.83907

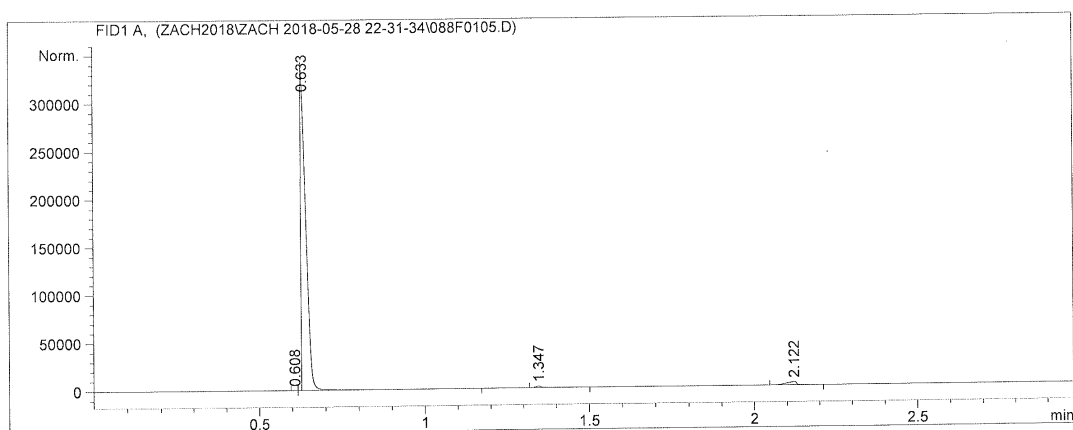
```
Totals :                      3.60294e5  3.12001e5
```

```
=====
*** End of Report ***
=====
```

Cyclohexanone: Sequence #1 – Run #5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 22-31-34\088F0105.D
 Sample Name: Cyclohexanone

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 88
Injection Date  : 28-May-18, 22:48:35              Inj       :    5
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 22-31-34\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.608	BV	9.11e-3	6.46662	11.24638	0.00179
2	0.633	VB S	0.0191	3.52297e5	3.07492e5	97.66244
3	1.347	BB	0.0173	1677.44275	1471.06299	0.46501
4	2.122	BB	0.0302	6748.36572	3314.39648	1.87076

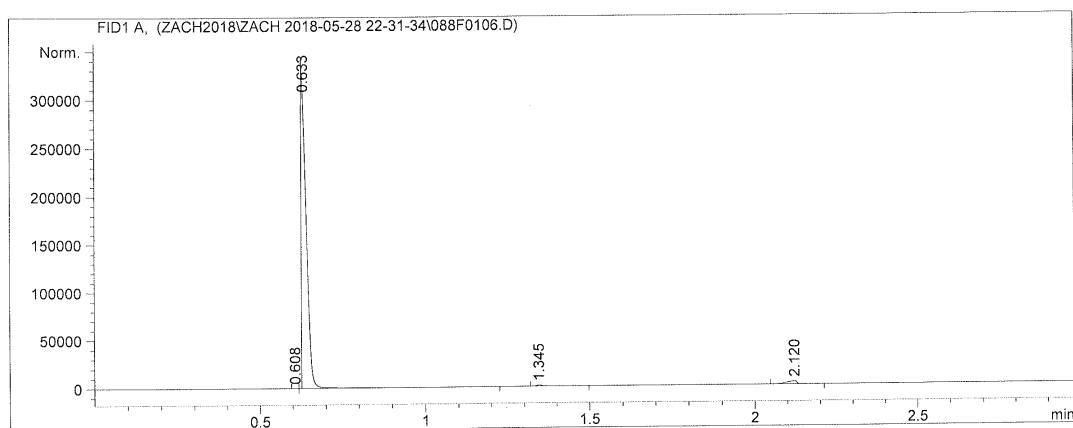
```
Totals :                      3.60729e5  3.12288e5
```

```
=====
*** End of Report ***
=====
```

Cyclohexanone: Sequence #1 – Run #6

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 22-31-34\088F0106.D
 Sample Name: Cyclohexanone

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 28-May-18, 22:52:33              Inj       :    6
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 22-31-34\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.608	BV	9.01e-3	10.45791	18.46518	0.00297
2	0.633	VB S	0.0190	3.44969e5	3.03273e5	97.80534
3	1.345	BB	0.0181	1300.71838	1139.09009	0.36878
4	2.120	BB	0.0294	6429.58350	3264.53638	1.82291

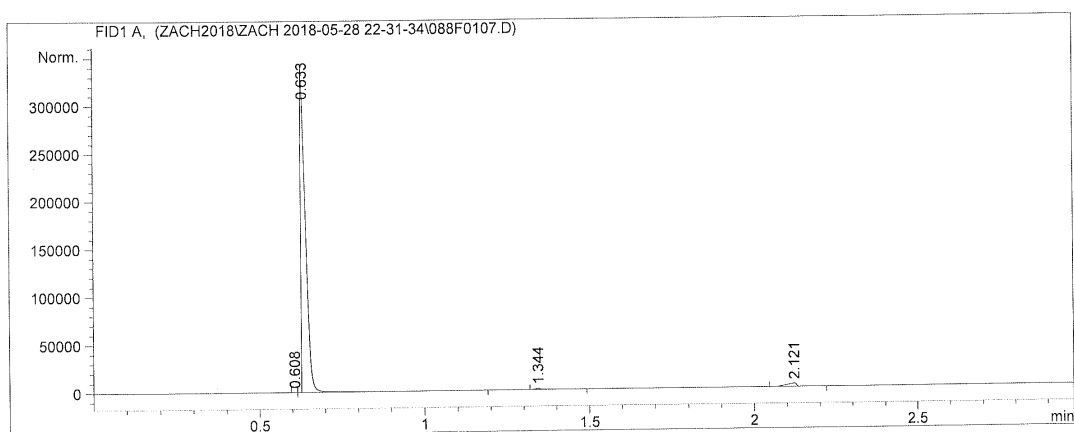
```
Totals :                      3.52710e5  3.07695e5
```

```
=====
*** End of Report ***
=====
```

Cyclohexanone: Sequence #1 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 22-31-34\088F0107.D
 Sample Name: Cyclohexanone

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 28-May-18, 22:56:33              Inj       :    7
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 22-31-34\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.608	BV	8.47e-3	4.97004	9.55641	0.00146
2	0.633	VB S	0.0177	3.33417e5	3.02043e5	97.66103
3	1.344	BB	0.0168	1175.77405	1070.18799	0.34440
4	2.121	BB	0.0304	6804.54883	3309.60913	1.99312

```
Totals :                      3.41402e5  3.06432e5
```

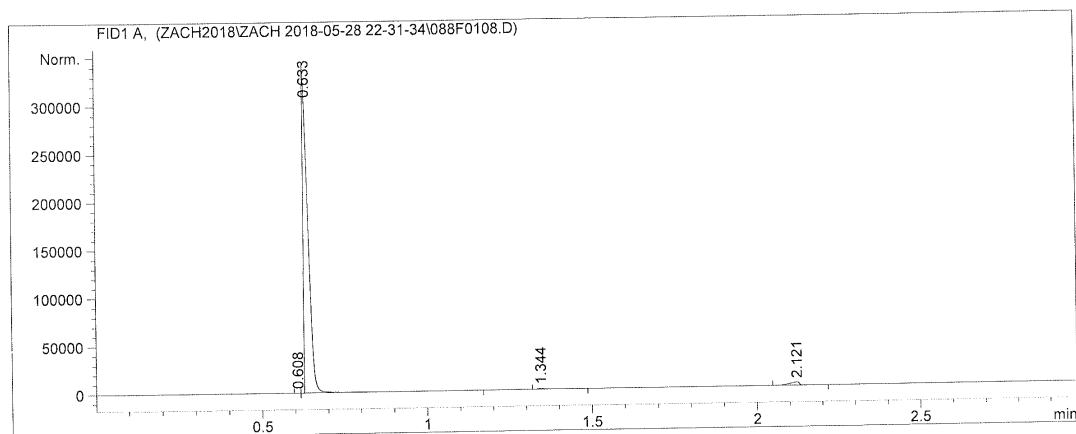
```
=====
*** End of Report ***
=====
```


Cyclohexanone: Sequence #1 – Run #8

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 22-31-34\088F0108.D
 Sample Name: Cyclohexanone

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 28-May-18, 23:00:31              Inj       :    8
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 22-31-34\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.608	BV	8.78e-3	6.47520	11.83656	0.00185
2	0.633	VB S	0.0188	3.41516e5	3.03345e5	97.77234
3	1.344	BB	0.0173	1028.33044	899.48175	0.29440
4	2.121	BB	0.0284	6746.35498	3333.04077	1.93141

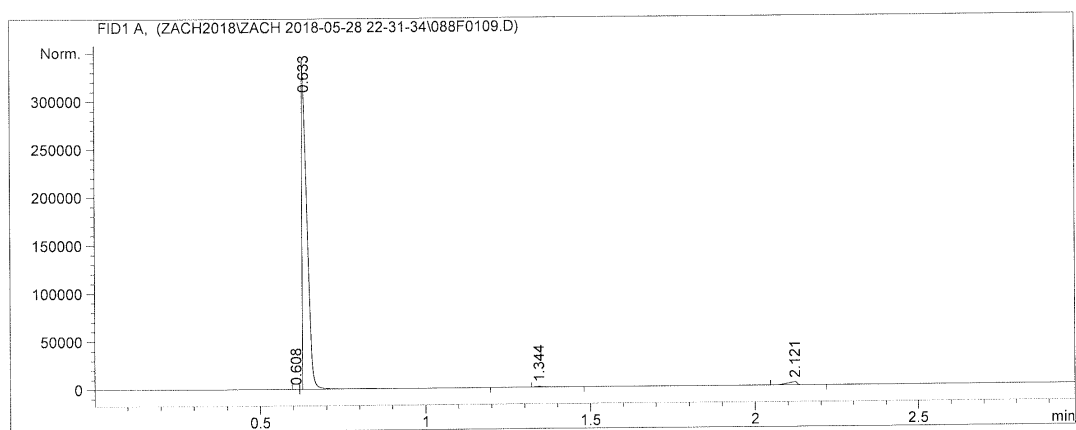
```
Totals :                      3.49297e5  3.07589e5
```

```
=====
*** End of Report ***
```

Cyclohexanone: Sequence #1 – Run #9

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 22-31-34\088F0109.D
 Sample Name: Cyclohexanone

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 88
Injection Date  : 28-May-18, 23:04:31              Inj       :    9
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 22-31-34\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.608	BV	9.13e-3	9.66219	16.75038	0.00272
2	0.633	VB S	0.0191	3.48362e5	3.04677e5	97.90067
3	1.344	BB	0.0183	895.00348	773.02899	0.25152
4	2.121	BB	0.0282	6565.42432	3279.42261	1.84509

```
Totals :                      3.55832e5  3.08746e5
```

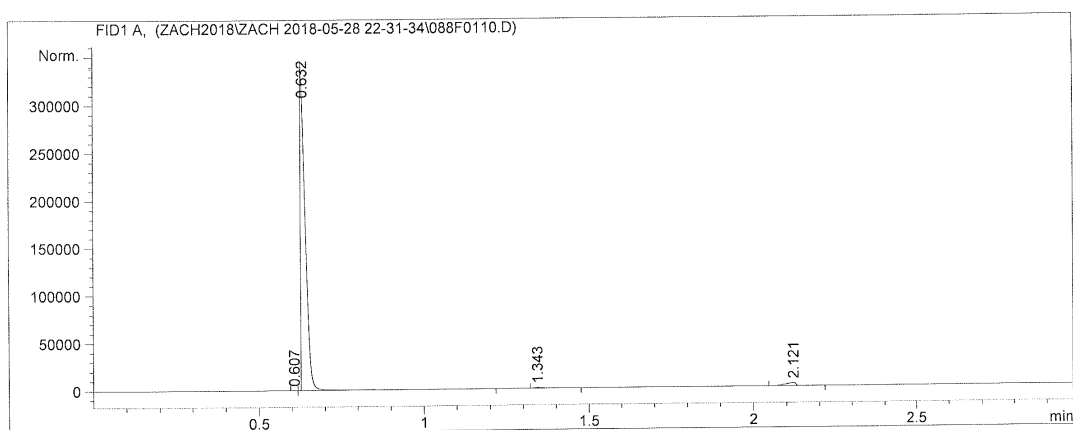
```
=====
*** End of Report ***
=====
```

Cyclohexanone: Sequence #1 – Run #10

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 22-31-34\088F0110.D
 Sample Name: Cyclohexanone

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 28-May-18, 23:08:30              Inj       :   10
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 22-31-34\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.607	BV	8.89e-3	6.42062	11.54078	0.00185
2	0.632	VB S	0.0186	3.38768e5	3.02840e5	97.83185
3	1.343	BB	0.0171	804.72375	716.60571	0.23239
4	2.121	BB	0.0284	6696.64063	3303.65332	1.93391

Totals : 3.46275e5 3.06872e5

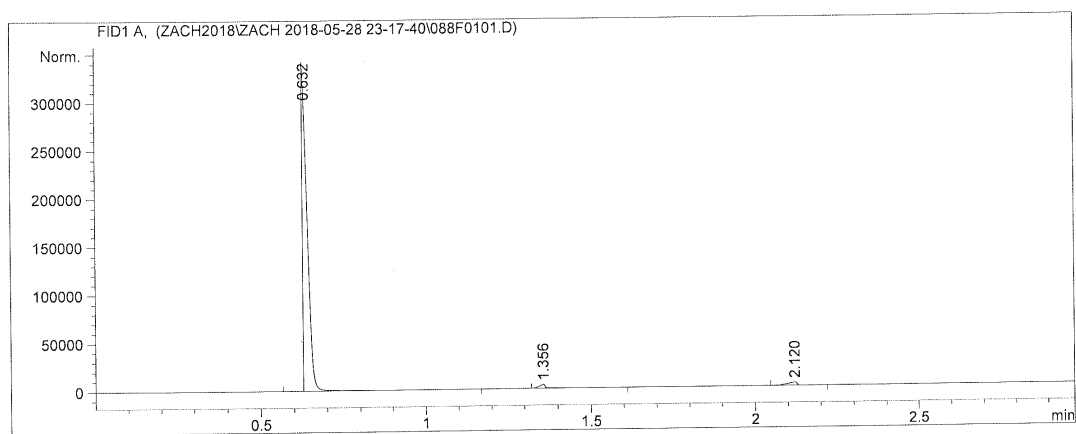
```
=====
*** End of Report ***
=====
```

Cyclohexanone: Sequence #2 – Run #1

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 23-17-40\088F0101.D
 Sample Name: Cyclohexanone

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 28-May-18, 23:18:39              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 23-17-40\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution      :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.632	BB S	0.0178	3.30879e5	2.97684e5	96.63378
2	1.356	BB	0.0215	4993.31445	3668.46436	1.45831
3	2.120	BB	0.0277	6532.79199	3329.34229	1.90792

```
Totals :                      3.42405e5  3.04681e5
```

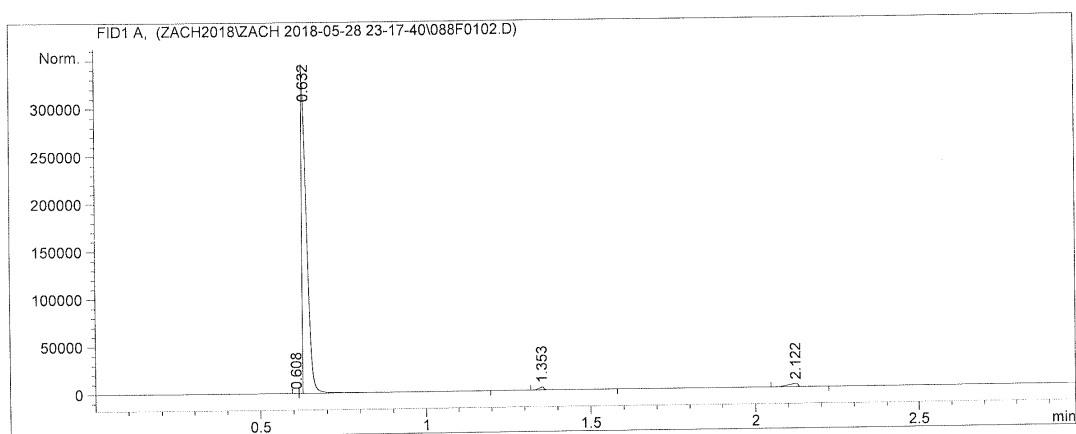
```
=====
*** End of Report ***
=====
```

Cyclohexanone: Sequence #2 – Run #2

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 23-17-40\088F0102.D
 Sample Name: Cyclohexanone

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 88
Injection Date  : 28-May-18, 23:22:39              Inj       :    2
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 23-17-40\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.608	BV	8.58e-3	5.07279	9.56884	0.00146
2	0.632	VB S	0.0186	3.36106e5	3.01935e5	96.97427
3	1.353	BB	0.0180	3577.28662	2971.89453	1.03213
4	2.122	BB	0.0288	6904.61035	3359.37207	1.99214

Totals : 3.46593e5 3.08275e5

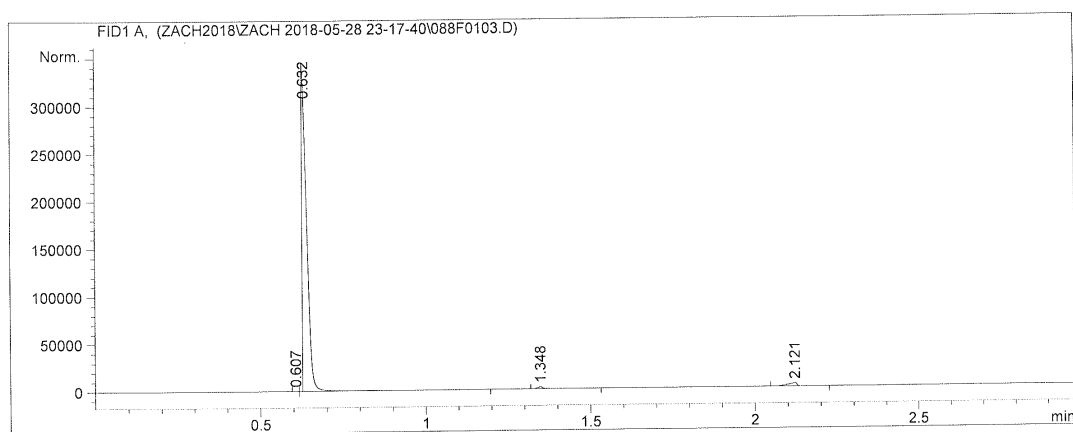
```
=====
*** End of Report ***
=====
```

Cyclohexanone: Sequence #2 – Run #3

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 23-17-40\088F0103.D
 Sample Name: Cyclohexanone

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 88
Injection Date  : 28-May-18, 23:26:37              Inj       :    3
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 23-17-40\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.607	BV	8.63e-3	7.78414	14.56806	0.00223
2	0.632	VB S	0.0187	3.39832e5	3.03409e5	97.47490
3	1.348	BB	0.0184	2189.31982	1877.87512	0.62797
4	2.121	BB	0.0290	6606.29834	3288.63525	1.89490

Totals : 3.48636e5 3.08590e5

```
=====
*** End of Report ***
=====
```

Cyclohexanone: Sequence #2 – Run #4

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 23-17-40\088F0104.D

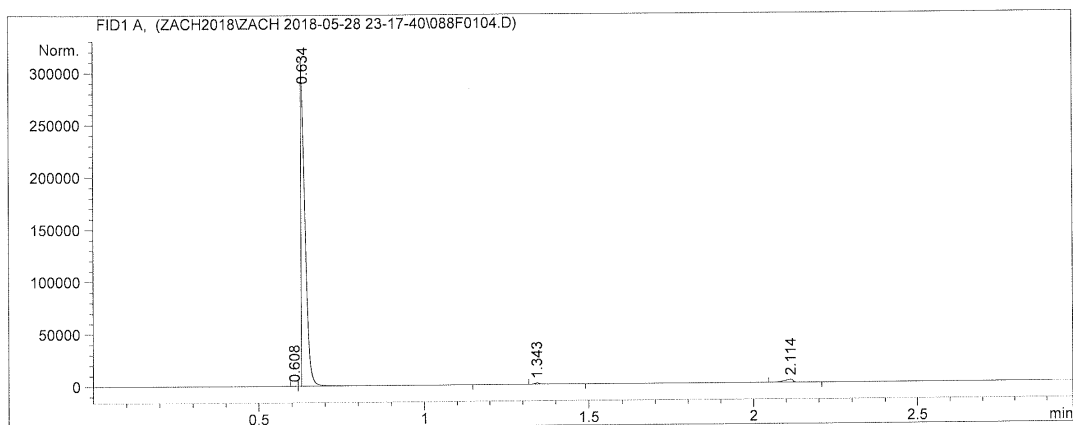
Sample Name: Cyclohexanone

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 28-May-18, 23:30:37              Inj       :    4
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 23-17-40\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



```

=====
                          Area Percent Report
=====

```

```

Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs

```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.608	BV	8.68e-3	10.37694	19.27180	0.00380
2	0.634	VB S	0.0156	2.66528e5	2.85177e5	97.66513
3	1.343	BB	0.0167	1261.63855	1162.49243	0.46231
4	2.114	BB	0.0291	5099.83838	2721.86450	1.86876

```
Totals :                      2.72900e5  2.89080e5
```

```

=====
*** End of Report ***
=====

```

Cyclohexanone: Sequence #2 – Run #5

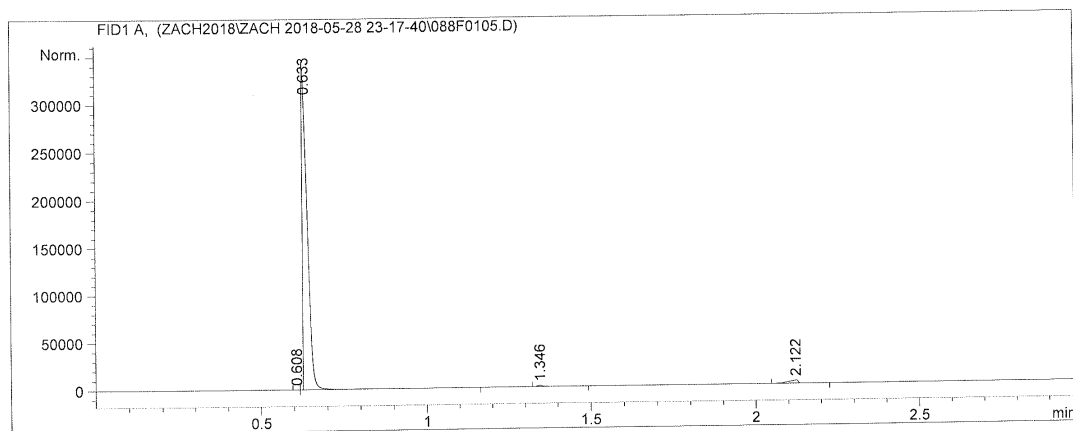
Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 23-17-40\088F0105.D

Sample Name: Cyclohexanone

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 88
Injection Date  : 28-May-18, 23:34:36              Inj       :    5
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 23-17-40\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



Area Percent Report

```

=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs

```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.608	BV	9.01e-3	8.58159	15.14236	0.00243
2	0.633	VB S	0.0189	3.45520e5	3.05469e5	97.73401
3	1.346	BB	0.0173	1288.90552	1128.04492	0.36458
4	2.122	BB	0.0280	6713.46973	3270.10229	1.89898

Totals : 3.53531e5 3.09882e5

```

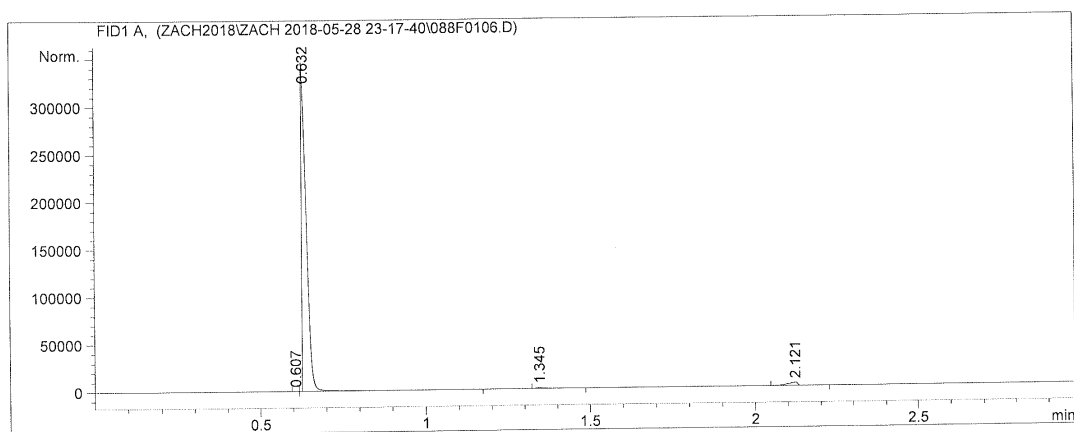
=====
*** End of Report ***
=====

```


Cyclohexanone: Sequence #2 – Run #6

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 23-17-40\088F0106.D
 Sample Name: Cyclohexanone

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 28-May-18, 23:38:36              Inj       :    6
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 23-17-40\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.607	BV	8.76e-3	9.00848	16.52402	0.00253
2	0.632	VB S	0.0172	3.47873e5	3.37756e5	97.78382
3	1.345	BB	0.0184	1082.34924	929.50757	0.30424
4	2.121	BB	0.0293	6792.88623	3340.05444	1.90941

Totals : 3.55758e5 3.42042e5

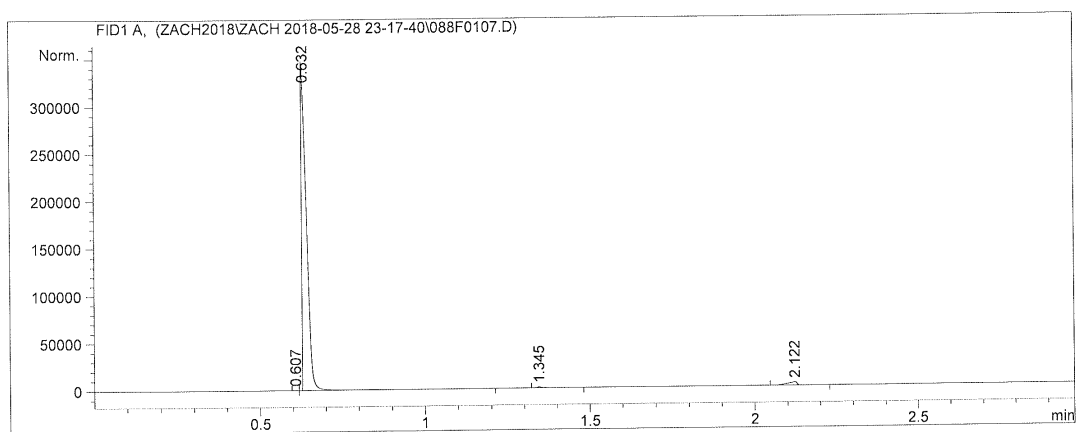
```
=====
*** End of Report ***
=====
```

Cyclohexanone: Sequence #2 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 23-17-40\088F0107.D
 Sample Name: Cyclohexanone

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 28-May-18, 23:42:35              Inj       :    7
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 23-17-40\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.607	BV	8.86e-3	9.65109	17.43083	0.00264
2	0.632	VB S	0.0174	3.57180e5	3.41220e5	97.85716
3	1.345	BB	0.0185	958.02277	817.69226	0.26247
4	2.122	BB	0.0321	6853.74023	3323.18994	1.87773

Totals : 3.65002e5 3.45379e5

```
=====
*** End of Report ***
=====
```

Cyclohexanone: Sequence #2 – Run #8

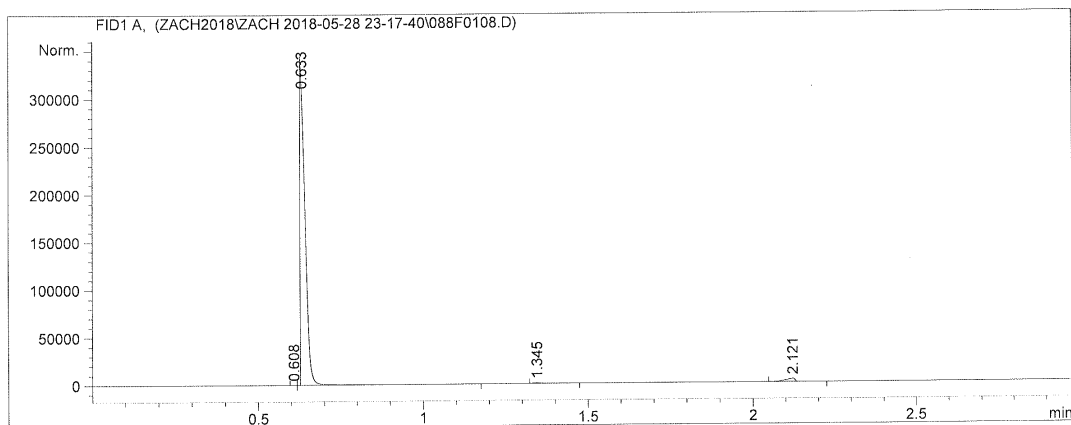
Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 23-17-40\088F0108.D

Sample Name: Cyclohexanone

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 28-May-18, 23:46:35              Inj       :    8
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 23-17-40\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



```

=====
                          Area Percent Report
=====

```

```

Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs

```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.608	BV	9.22e-3	9.84659	16.85303	0.00275
2	0.633	VB S	0.0191	3.50396e5	3.06179e5	97.88775
3	1.345	BB	0.0185	835.20569	712.43060	0.23333
4	2.121	BB	0.0293	6715.88184	3300.67139	1.87617

```
Totals :                      3.57957e5  3.10209e5
```

```

=====
*** End of Report ***

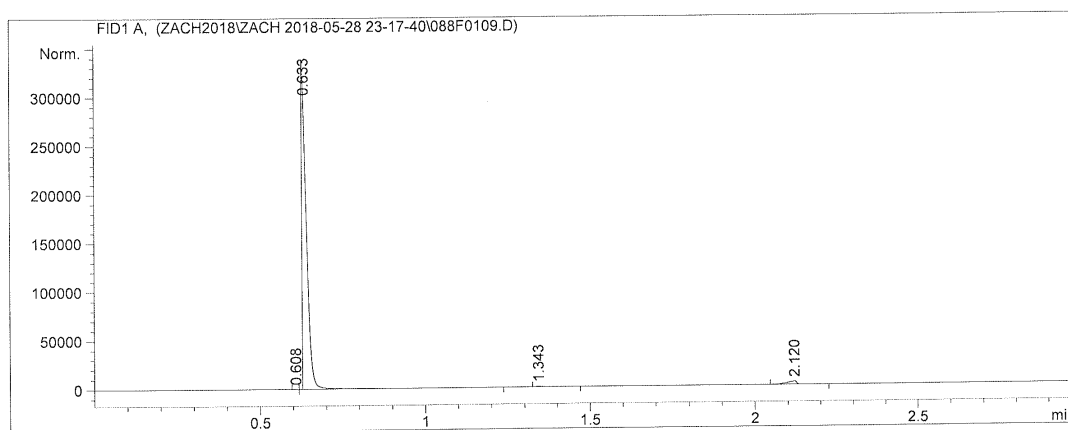
```

Cyclohexanone: Sequence #2 – Run #9

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 23-17-40\088F0109.D
 Sample Name: Cyclohexanone

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 28-May-18, 23:50:33              Inj       :    9
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 23-17-40\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.608	BV	8.67e-3	7.25482	13.49608	0.00226
2	0.633	VB S	0.0176	3.14095e5	2.97793e5	97.75845
3	1.343	BB	0.0166	716.41571	663.58698	0.22298
4	2.120	BB	0.0310	6478.35352	3284.24805	2.01631

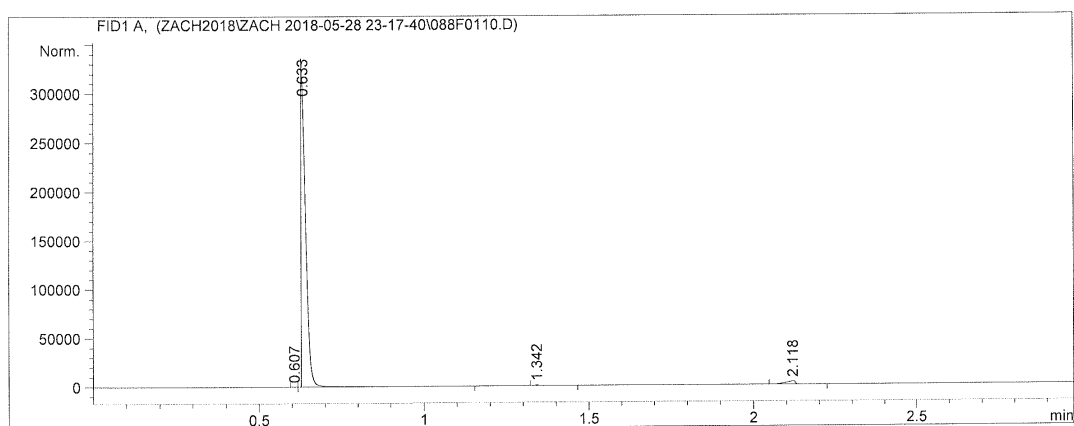
```
Totals :                      3.21297e5  3.01754e5
```

```
=====
*** End of Report ***
=====
```

Cyclohexanone: Sequence #2 – Run #10

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 23-17-40\088F0110.D
 Sample Name: Cyclohexanone

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 28-May-18, 23:54:33              Inj       :   10
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 23-17-40\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.607	BV	8.60e-3	9.12642	17.18294	0.00289
2	0.633	VB S	0.0175	3.08481e5	2.93175e5	97.78684
3	1.342	BB	0.0169	650.60016	588.76422	0.20624
4	2.118	BB	0.0270	6321.96582	3202.27637	2.00403

Totals : 3.15463e5 2.96984e5

```
=====
*** End of Report ***
=====
```

Cyclohexanone: Sequence #3 – Run #1

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 00-13-22\088F0101.D

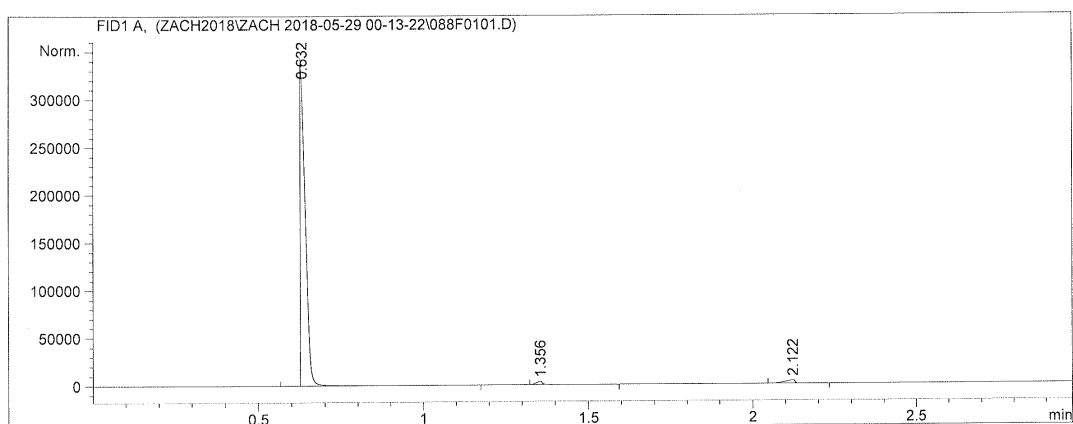
Sample Name: Cyclohexanone

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 88
Injection Date  : 29-May-18, 00:14:23              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 00-13-22\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



```

=====
Area Percent Report
=====

```

```

Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs

```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.632	BB S	0.0181	3.57423e5	3.32748e5	96.87032
2	1.356	BB	0.0215	4459.97852	3280.56494	1.20876
3	2.122	BB	0.0291	7087.61670	3398.32349	1.92092

```
Totals :                3.68970e5  3.39427e5
```

```

=====
*** End of Report ***
=====

```

Cyclohexanone: Sequence #3 – Run #2

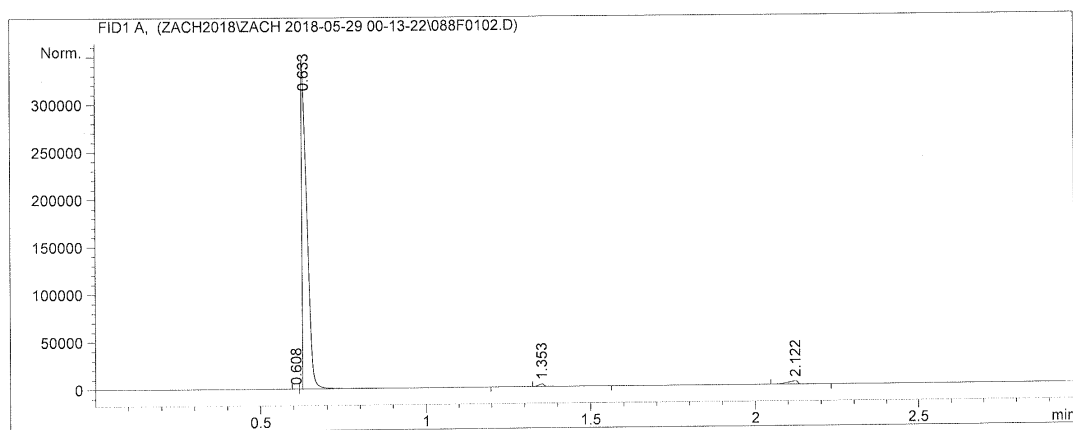
Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 00-13-22\088F0102.D

Sample Name: Cyclohexanone

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 00:18:22              Inj       :    2
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 00-13-22\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



```

=====
                          Area Percent Report
=====

```

```

Sorted By       :      Signal
Multiplier      :      1.0000
Dilution        :      1.0000
Use Multiplier & Dilution Factor with ISTDs

```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.608	BV	9.13e-3	8.77870	15.22233	0.00237
2	0.633	VB S	0.0194	3.60829e5	3.09640e5	97.29265
3	1.353	BB	0.0191	3143.18164	2559.31689	0.84752
4	2.122	BB	0.0290	6888.78076	3325.15063	1.85747

```
Totals :                      3.70870e5  3.15539e5
```

```

=====
*** End of Report ***

```

Cyclohexanone: Sequence #3 – Run #3

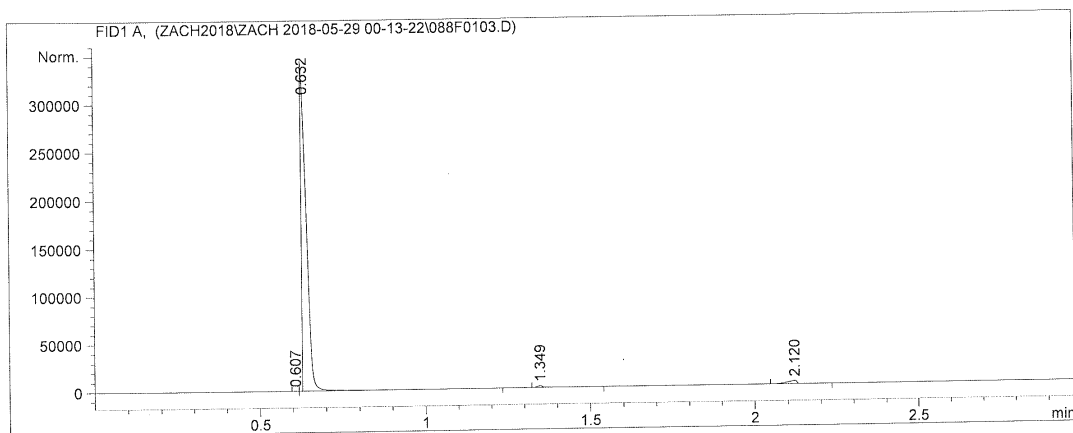
Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 00-13-22\088F0103.D

Sample Name: Cyclohexanone

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 00:22:22              Inj       :    3
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 00-13-22\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



Area Percent Report

```

=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs

```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.607	BV	9.26e-3	11.59650	19.72923	0.00318
2	0.632	VB S	0.0195	3.56136e5	3.05128e5	97.62569
3	1.349	BB	0.0190	2055.83887	1686.39368	0.56356
4	2.120	BB	0.0298	6593.98486	3281.68042	1.80757

Totals : 3.64798e5 3.10116e5

```

=====
*** End of Report ***

```


Cyclohexanone: Sequence #3 – Run #4

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 00-13-22\088F0104.D

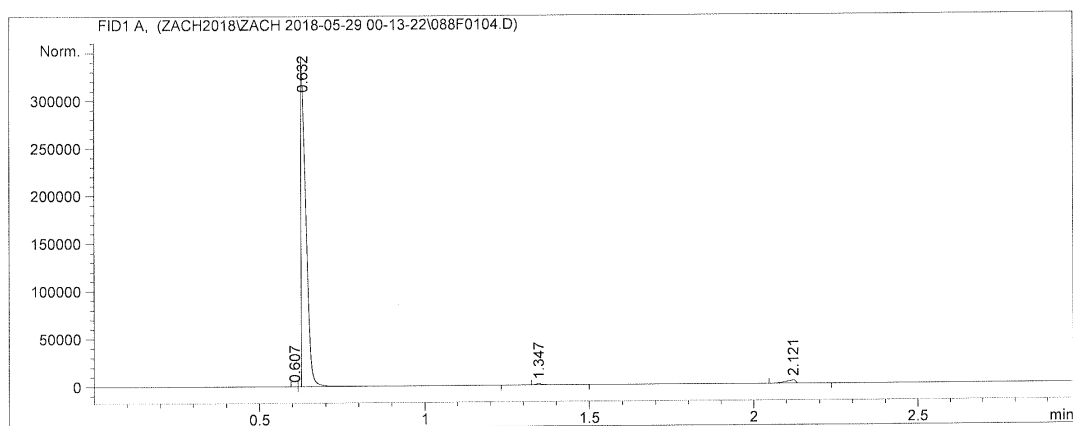
Sample Name: Cyclohexanone

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 00:26:20              Inj       :    4
                                                Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 00-13-22\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



```

=====
                          Area Percent Report
=====

```

```

Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs

```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.607	BV	8.97e-3	8.49565	15.07536	0.00238
2	0.632	VB S	0.0191	3.48710e5	3.04245e5	97.64036
3	1.347	BB	0.0174	1575.55176	1371.52905	0.44116
4	2.121	BB	0.0302	6843.08740	3353.49585	1.91610

```
Totals :                      3.57137e5  3.08985e5
```

```

=====
*** End of Report ***

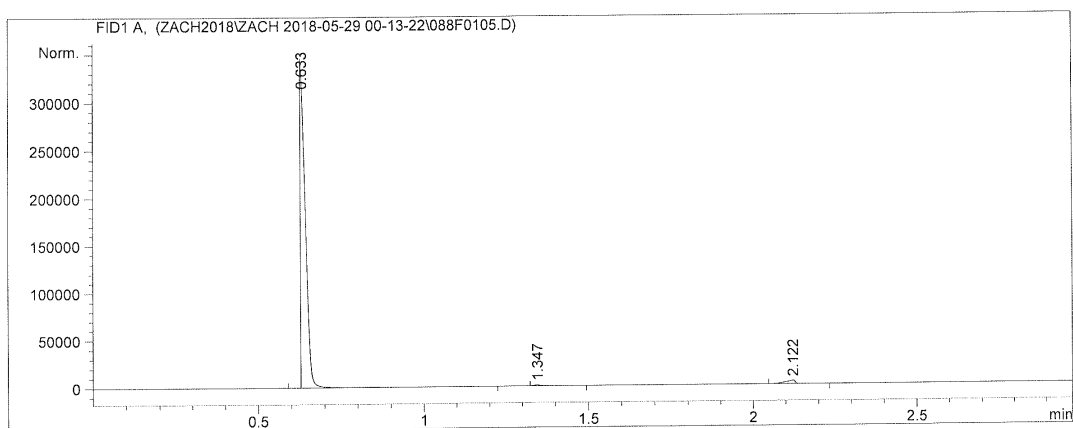
```

Cyclohexanone: Sequence #3 – Run #5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 00-13-22\088F0105.D
 Sample Name: Cyclohexanone

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 88
Injection Date  : 29-May-18, 00:30:19              Inj       :    5
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 00-13-22\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.633	BB S	0.0183	3.58398e5	3.09383e5	97.69328
2	1.347	BB	0.0178	1329.57983	1124.38989	0.36242
3	2.122	BB	0.0292	7132.86182	3407.78711	1.94430

Totals : 3.66860e5 3.13915e5

```
=====
*** End of Report ***
=====
```

Cyclohexanone: Sequence #3 – Run #6

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 00-13-22\088F0106.D

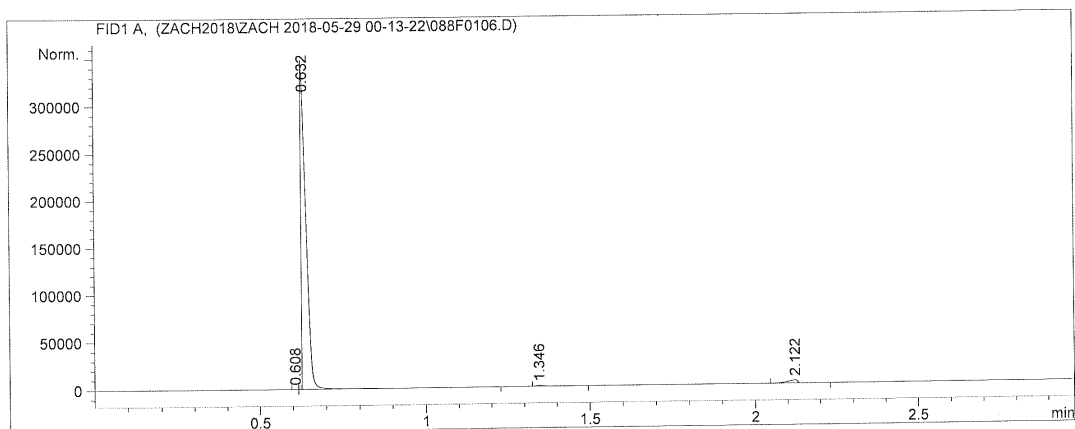
Sample Name: Cyclohexanone

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                      Location  : Vial 88
Injection Date  : 29-May-18, 00:34:17              Inj       :    6
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 00-13-22\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



Area Percent Report

```

=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs

```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.608	BV	8.98e-3	7.94864	14.08477	0.00216
2	0.632	VB S	0.0193	3.60220e5	3.10341e5	97.83974
3	1.346	BB	0.0176	1049.65466	902.43604	0.28510
4	2.122	BB	0.0290	6895.90576	3331.30615	1.87301

Totals : 3.68173e5 3.14589e5

```

=====
*** End of Report ***
=====

```

Cyclohexanone: Sequence #3 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 00-13-22\088F0107.D

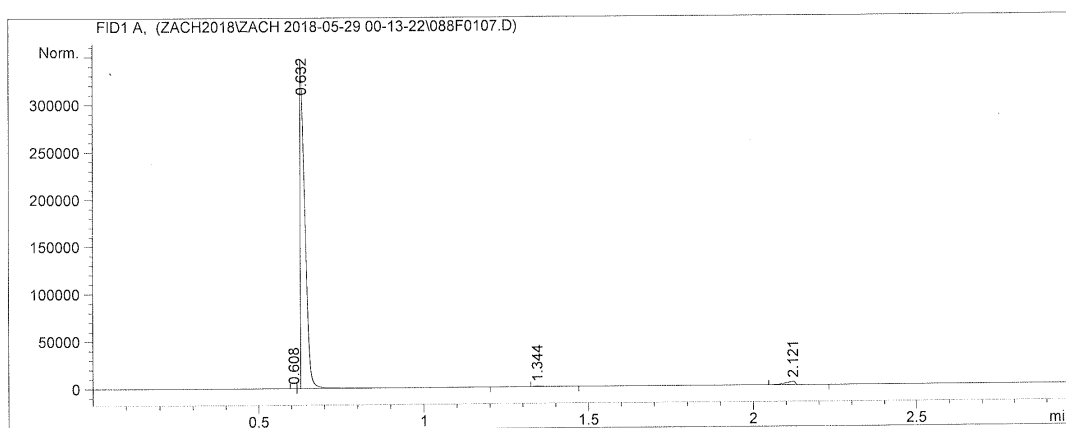
Sample Name: Cyclohexanone

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 00:38:16              Inj       :    7
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 00-13-22\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



```

=====
Area Percent Report
=====

```

```

Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs

```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.608	BV	8.79e-3	6.63086	12.11053	0.00189
2	0.632	VB S	0.0187	3.42424e5	3.05216e5	97.77561
3	1.344	BB	0.0174	865.76770	751.27478	0.24721
4	2.121	BB	0.0294	6917.74072	3393.50684	1.97529

```
Totals :                3.50214e5  3.09373e5
```

```

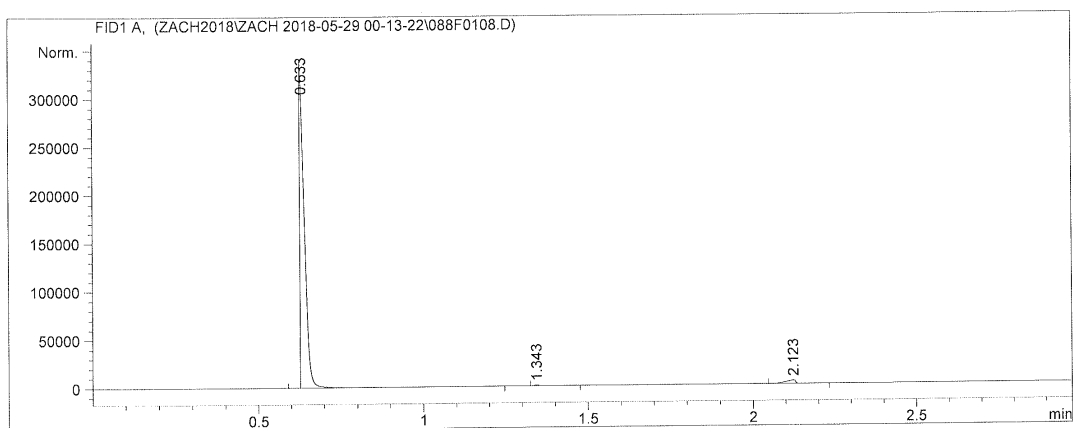
=====
*** End of Report ***
=====

```

Cyclohexanone: Sequence #3 – Run #8

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 00-13-22\088F0108.D
 Sample Name: Cyclohexanone

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 00:42:14              Inj       :    8
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 00-13-22\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.633	BB S	0.0168	3.28647e5	2.99968e5	97.63521
2	1.343	BB	0.0172	780.01208	691.09790	0.23173
3	2.123	BB	0.0301	7180.04785	3531.89429	2.13306

Totals : 3.36607e5 3.04191e5

```
=====
*** End of Report ***
=====
```

Cyclohexanone: Sequence #3 – Run #9

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 00-13-22\088F0109.D

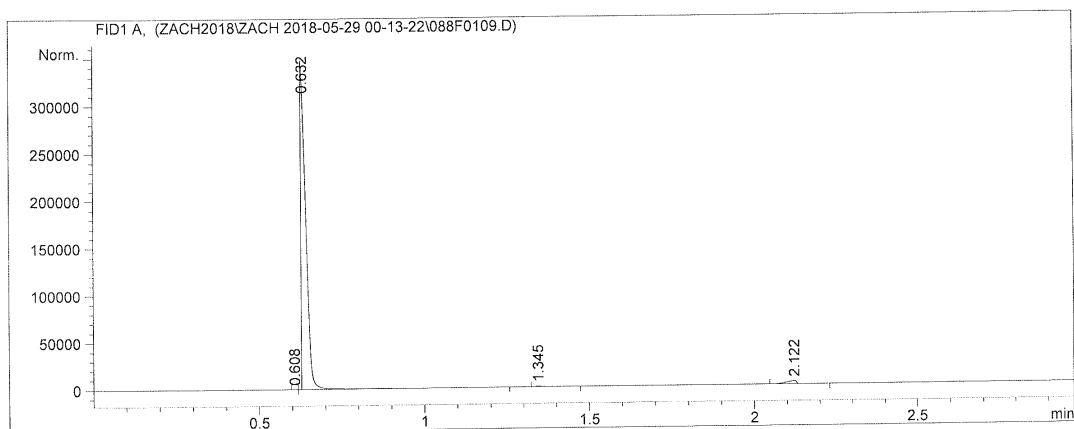
Sample Name: Cyclohexanone

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 00:46:13              Inj       :    9
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 00-13-22\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



```

=====
                          Area Percent Report
=====

```

```

Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs

```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.608	BV	9.31e-3	10.86165	18.35063	0.00298
2	0.632	VB S	0.0193	3.57185e5	3.08629e5	97.91983
3	1.345	BB	0.0185	685.35370	584.55194	0.18789
4	2.122	BB	0.0289	6891.66602	3332.92310	1.88931

```
Totals :                      3.64772e5  3.12565e5
```

```

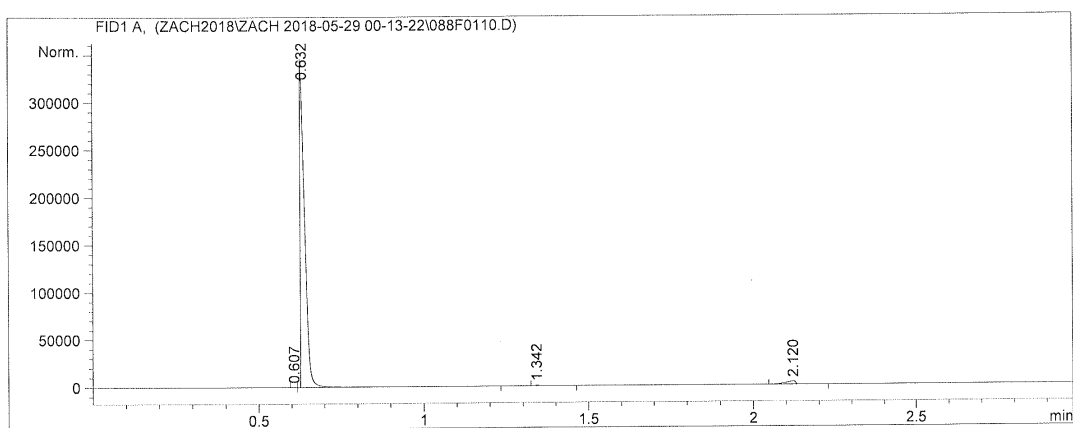
=====
*** End of Report ***

```

Cyclohexanone: Sequence #3 – Run #10

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 00-13-22\088F0110.D
 Sample Name: Cyclohexanone

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 00:50:12              Inj       :   10
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 00-13-22\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.607	BV	8.37e-3	7.82560	15.29828	0.00233
2	0.632	VB S	0.0164	3.29089e5	3.34038e5	97.84246
3	1.342	BB	0.0166	585.40216	542.47998	0.17405
4	2.120	BB	0.0296	6663.54736	3357.54541	1.98116

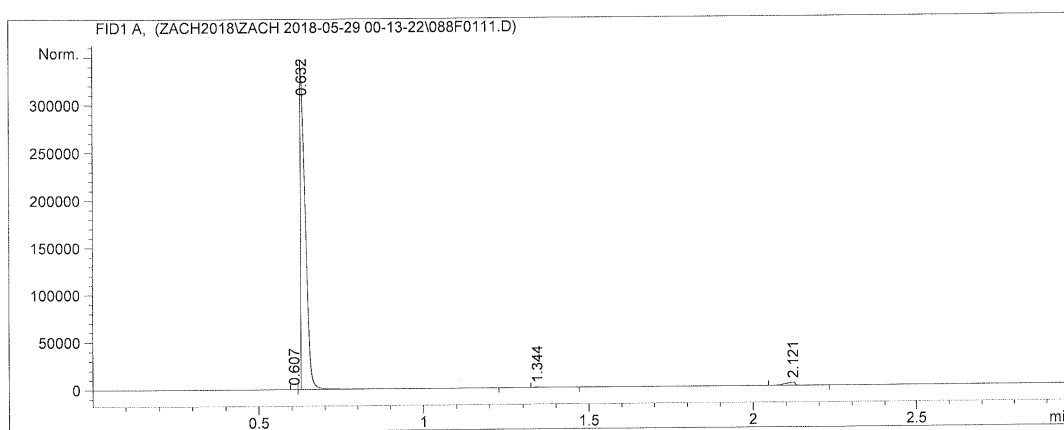
```
Totals :                      3.36345e5  3.37954e5
```

```
=====
*** End of Report ***
=====
```

Acetophenone: Sequence #1 – Run #1

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 00-13-22\088F0111.D
 Sample Name: Cyclohexanone

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 00:54:12              Inj       :   11
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 00-13-22\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.607	BV	8.92e-3	11.27471	20.17328	0.00318
2	0.632	VB S	0.0190	3.47460e5	3.04887e5	97.91189
3	1.344	BB	0.0179	566.88568	476.99722	0.15974
4	2.121	BB	0.0309	6831.91797	3366.91064	1.92519

```
Totals :                      3.54870e5  3.08751e5
```

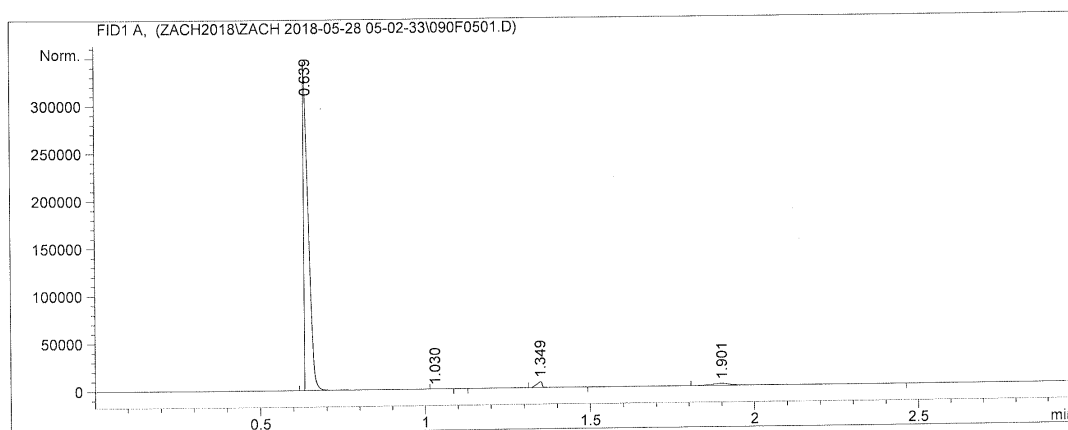
```
=====
*** End of Report ***
=====
```


Acetophenone: Sequence #1 – Run #2

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\090F0501.D
 Sample Name: 5

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    5
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 28-May-18, 05:21:04              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.639	BB S	0.0166	3.29586e5	3.05657e5	95.09499
2	1.030	BB X	0.0236	5.30799	3.28957	0.00153
3	1.349	BB S	0.0178	6945.96777	6244.40869	2.00411
4	1.901	BB	0.0637	1.00488e4	2137.35400	2.89937

Totals : 3.46586e5 3.14042e5

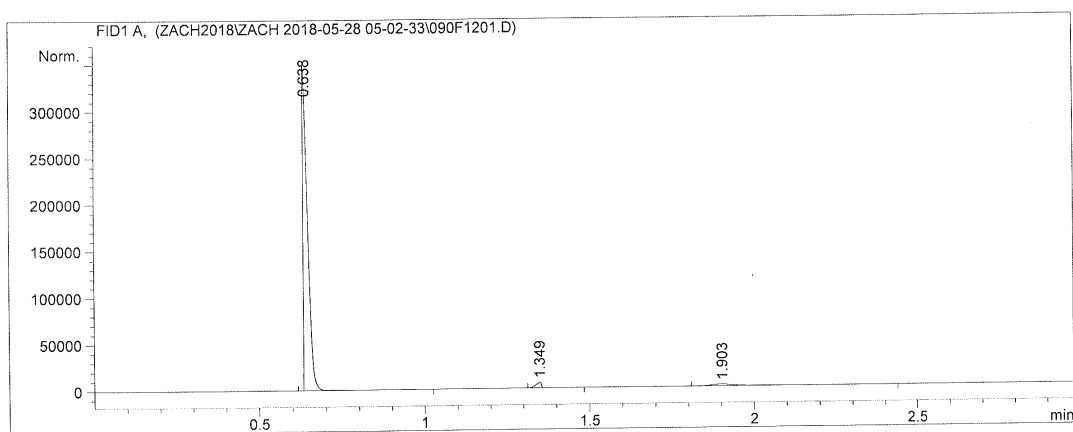
```
=====
*** End of Report ***
=====
```

Acetophenone: Sequence #1 – Run #3

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\090F1201.D
 Sample Name: 5

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   12
Acq. Instrument : Instrument 1                      Location  : Vial 90
Injection Date  : 28-May-18, 05:54:33              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.638	BB S	0.0163	3.28580e5	3.11210e5	95.19564
2	1.349	BB S	0.0166	6814.84033	6297.92725	1.97439
3	1.903	BB	0.0653	9767.98926	2044.57324	2.82997

```
Totals :                      3.45162e5  3.19552e5
```

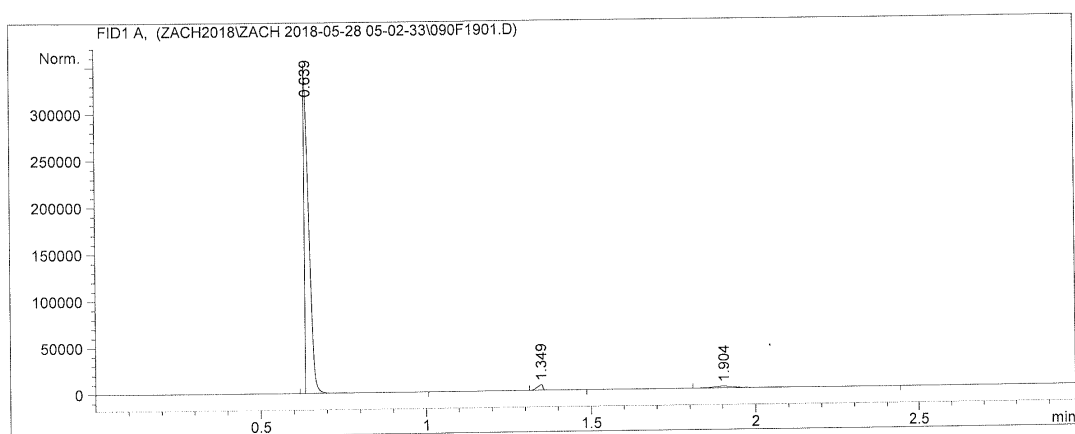
```
=====
*** End of Report ***
```

Acetophenone: Sequence #1 – Run #4

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\090F1901.D
 Sample Name: 5

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   19
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 28-May-18, 06:28:02              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.639	BB S	0.0163	3.30521e5	3.13033e5	95.20845
2	1.349	BB S	0.0186	6868.98437	5803.05420	1.97865
3	1.904	BB	0.0724	9765.14551	1938.25867	2.81290

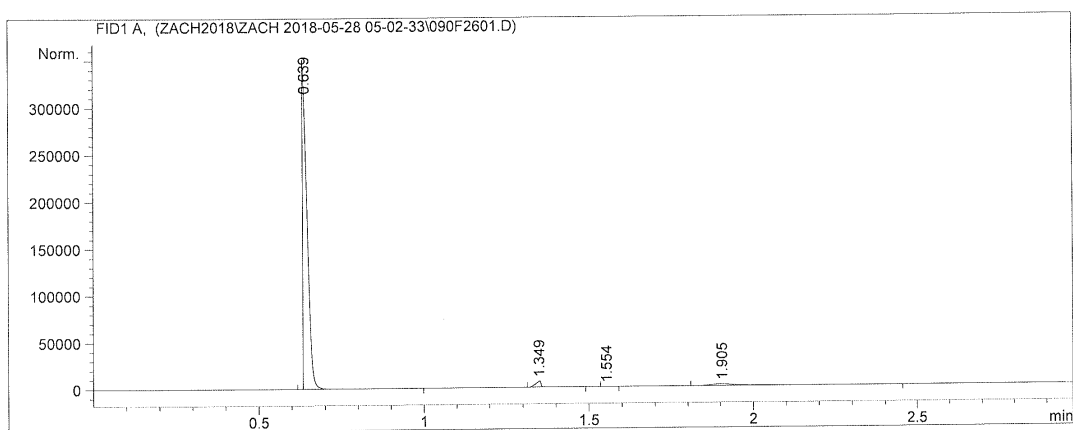
Totals : 3.47155e5 3.20775e5

```
=====
*** End of Report ***
```

Acetophenone: Sequence #1 – Run #5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\090F2601.D
 Sample Name: 5

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   26
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 28-May-18, 07:01:31              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.639	BB S	0.0163	3.26942e5	3.10149e5	94.98103
2	1.349	BB S	0.0168	7192.19922	6539.01367	2.08943
3	1.554	BB	0.0175	1.14457	1.05249	0.00033
4	1.905	BB	0.0716	1.00829e4	1921.20117	2.92921

```
Totals :                      3.44218e5  3.18610e5
```

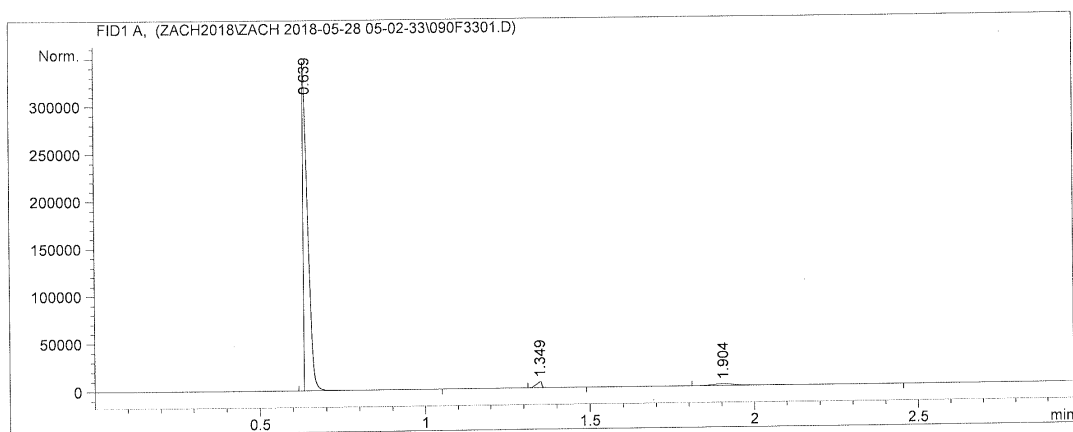
```
=====
*** End of Report ***
```

Acetophenone: Sequence #1 – Run #6

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\090F3301.D
 Sample Name: 5

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   33
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 28-May-18, 07:35:03              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.639	BB S	0.0164	3.27116e5	3.07634e5	95.11316
2	1.349	BB S	0.0159	7011.99854	6449.65332	2.03883
3	1.904	BB	0.0752	9794.95508	1806.71997	2.84801

Totals : 3.43923e5 3.15891e5

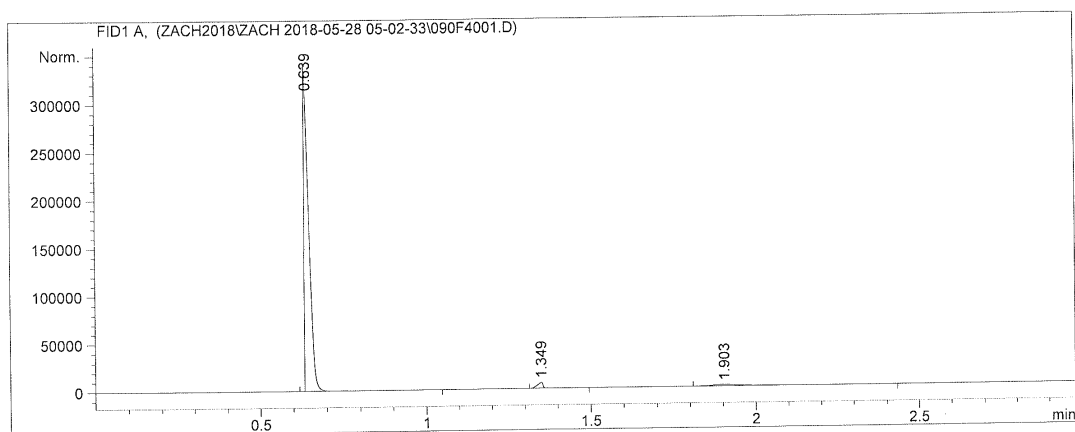
```
=====
*** End of Report ***
```

Acetophenone: Sequence #1 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\090F4001.D
 Sample Name: 5

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   40
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 28-May-18, 08:08:34              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.639	BB S	0.0167	3.35715e5	3.09377e5	95.32608
2	1.349	BB S	0.0170	6958.24561	6239.90430	1.97579
3	1.903	BB	0.0767	9502.13965	1713.80579	2.69813

Totals : 3.52175e5 3.17331e5

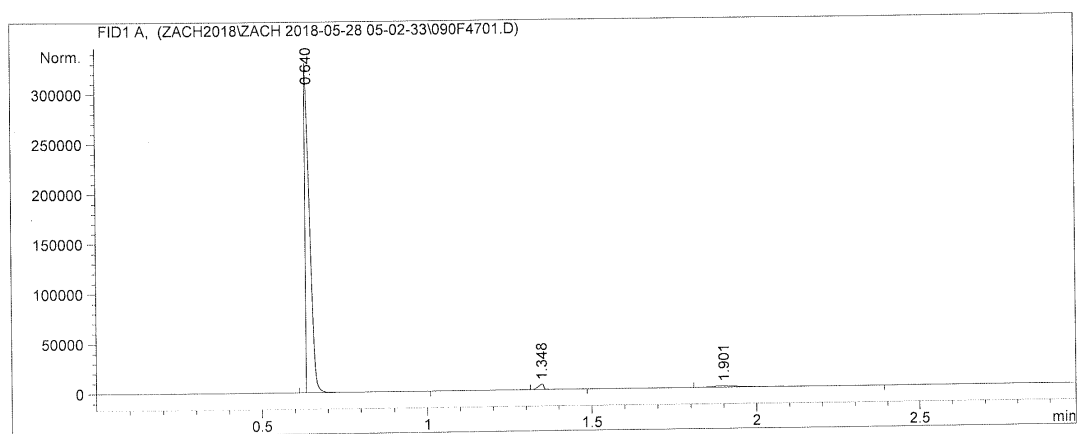
```
=====
*** End of Report ***
```

Acetophenone: Sequence #1 – Run #8

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\090F4701.D
 Sample Name: 5

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   47
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 28-May-18, 08:42:04              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.640	BB S	0.0153	3.07034e5	3.15640e5	95.38242
2	1.348	BB S	0.0184	6228.35938	5346.32520	1.93489
3	1.901	BB	0.0784	8635.51270	1536.94775	2.68269

Totals : 3.21898e5 3.22523e5

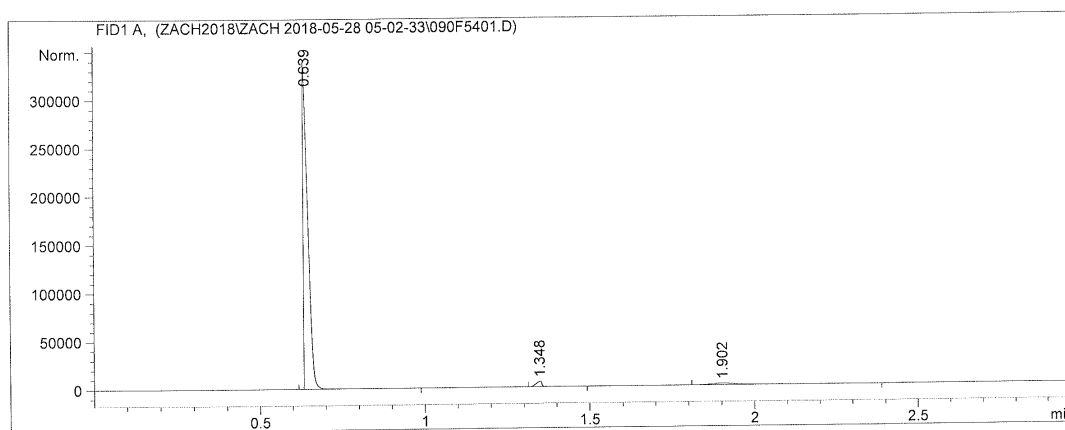
```
=====
*** End of Report ***
```

Acetophenone: Sequence #1 – Run #9

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\090F5401.D
 Sample Name: 5

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   54
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 28-May-18, 09:15:35              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.639	BB S	0.0164	3.29135e5	3.09826e5	95.39396
2	1.348	BB S	0.0187	6656.30713	5594.94727	1.92921
3	1.902	BB	0.0768	9235.76758	1623.12305	2.67683

Totals : 3.45027e5 3.17045e5

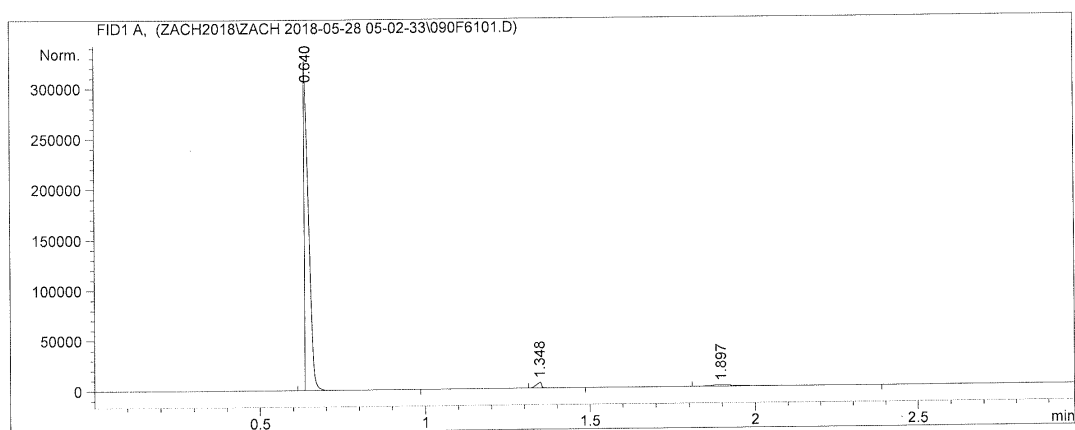
```
=====
*** End of Report ***
=====
```


Acetophenone: Sequence #1 – Run #10

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\090F6101.D
 Sample Name: 5

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   61
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 28-May-18, 09:49:03              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.640	BB S	0.0152	2.93384e5	3.06603e5	95.37404
2	1.348	BB S	0.0168	6053.60010	5504.78662	1.96792
3	1.897	BB	0.0795	8176.48486	1413.26367	2.65804

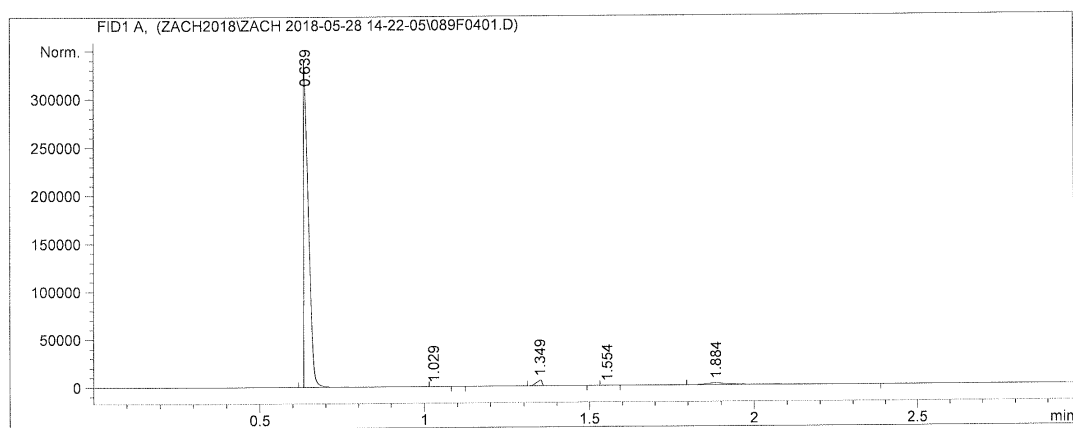
Totals : 3.07614e5 3.13521e5

```
=====
*** End of Report ***
```

Acetophenone: Sequence #2 – Run #1

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\089F0401.D
 Sample Name: 5

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    4
Acq. Instrument : Instrument 1                     Location  : Vial 89
Injection Date  : 28-May-18, 14:37:46              Inj       :    1
                                                Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.639	BB S	0.0168	3.38252e5	3.08616e5	95.22203
2	1.029	BB X	0.0200	4.73797	3.28922	0.00133
3	1.349	BB S	0.0190	6870.97217	5629.54199	1.93426
4	1.554	BB	0.0202	1.27414	1.01580	0.00036
5	1.884	BB	0.0696	1.00955e4	1964.29382	2.84202

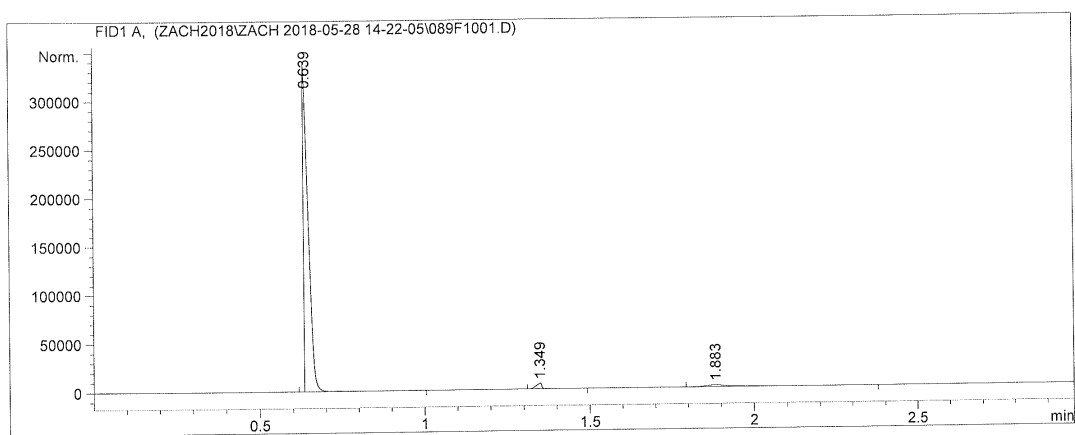
```
Totals :                      3.55224e5  3.16214e5
```

```
=====
*** End of Report ***
```

Acetophenone: Sequence #2 – Run #2

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\089F1001.D
 Sample Name: 5

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   10
Acq. Instrument : Instrument 1                     Location  : Vial 89
Injection Date  : 28-May-18, 15:10:51              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.639	BB S	0.0166	3.33547e5	3.08515e5	95.24224
2	1.349	BB S	0.0199	6736.95654	5477.39404	1.92370
3	1.883	BB	0.0718	9925.15039	1910.80652	2.83406

```
Totals :                      3.50209e5  3.15903e5
```

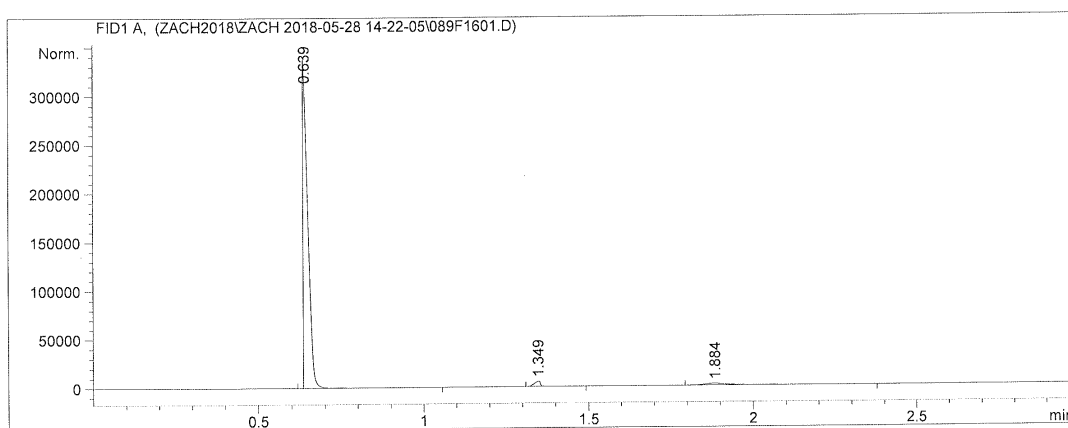
```
=====
*** End of Report ***
```

Acetophenone: Sequence #2 – Run #3

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\089F1601.D
 Sample Name: 5

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   16
Acq. Instrument : Instrument 1                     Location  : Vial 89
Injection Date  : 28-May-18, 15:43:56              Inj       :    1
                                                Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.639	BB S	0.0167	3.36589e5	3.08985e5	95.30543
2	1.349	BB S	0.0201	6717.19189	5406.06250	1.90198
3	1.884	BB	0.0709	9862.55469	1876.20618	2.79259

Totals : 3.53168e5 3.16267e5

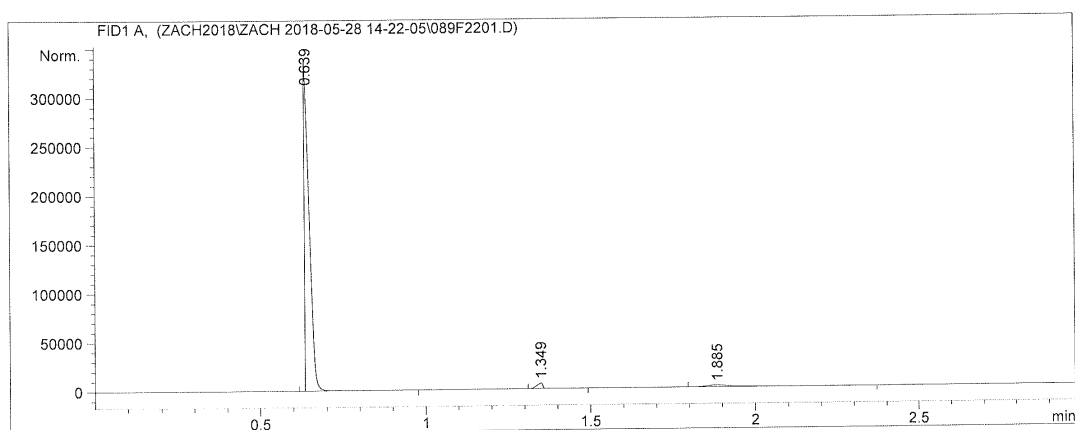
```
=====
*** End of Report ***
```

Acetophenone: Sequence #2 – Run #4

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\089F2201.D
Sample Name: 5

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   22
Acq. Instrument : Instrument 1                     Location  : Vial 89
Injection Date  : 28-May-18, 16:17:01              Inj       :    1
                                                Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.639	BB S	0.0168	3.37225e5	3.08245e5	95.28807
2	1.349	BB S	0.0195	6808.28711	5725.33887	1.92378
3	1.885	BB	0.0735	9867.26953	1870.38806	2.78814

Totals : 3.53901e5 3.15840e5

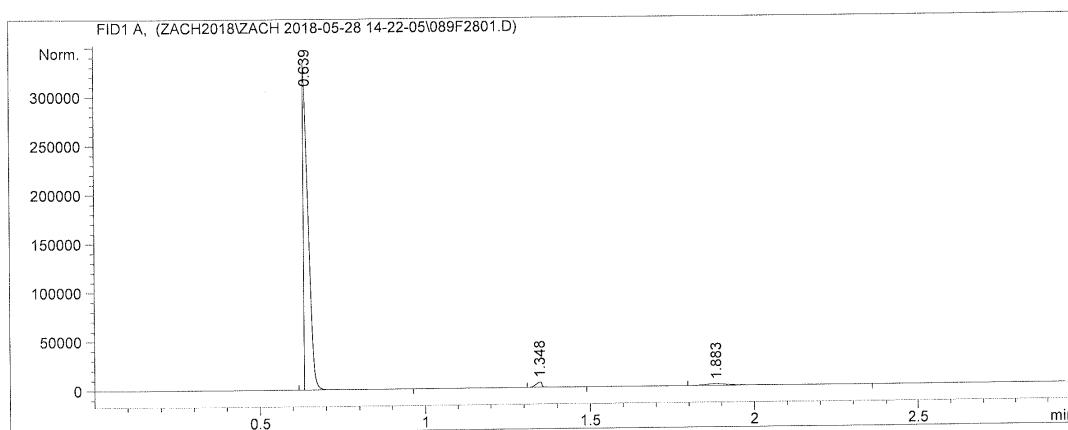
*** End of Report ***

Acetophenone: Sequence #2 – Run #5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\089F2801.D
 Sample Name: 5

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   28
Acq. Instrument : Instrument 1                     Location  : Vial 89
Injection Date  : 28-May-18, 16:50:04              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.639	BB S	0.0167	3.32588e5	3.05841e5	95.41831
2	1.348	BB S	0.0188	6511.78955	5413.06982	1.86821
3	1.883	BB	0.0713	9458.03125	1789.50134	2.71348

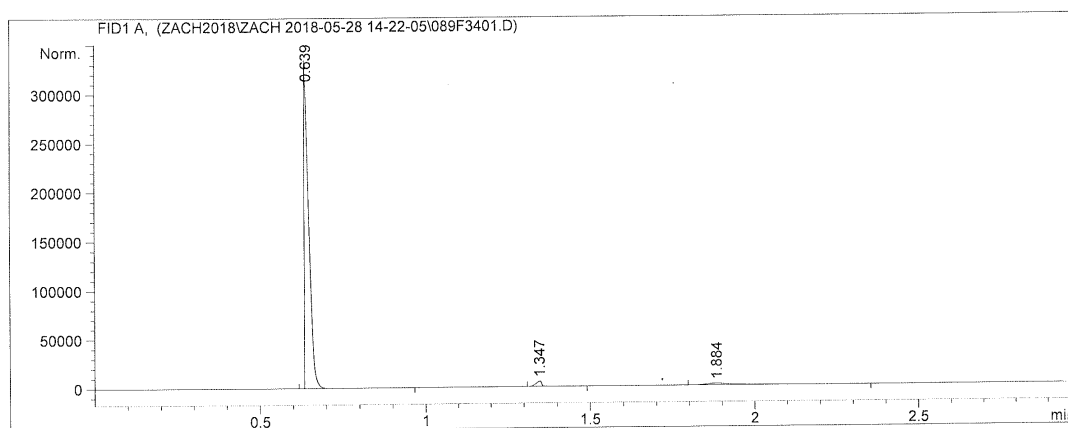
Totals : 3.48557e5 3.13044e5

```
=====
*** End of Report ***
```

Acetophenone: Sequence #2 – Run #6

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\089F3401.D
 Sample Name: 5

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   34
Acq. Instrument : Instrument 1                    Location  : Vial 89
Injection Date  : 28-May-18, 17:23:06             Inj       :    1
                                                Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.639	BB S	0.0161	3.19221e5	3.08713e5	95.27536
2	1.347	BB S	0.0193	6441.53076	5489.71582	1.92255
3	1.884	BB	0.0741	9388.45508	1763.27344	2.80209

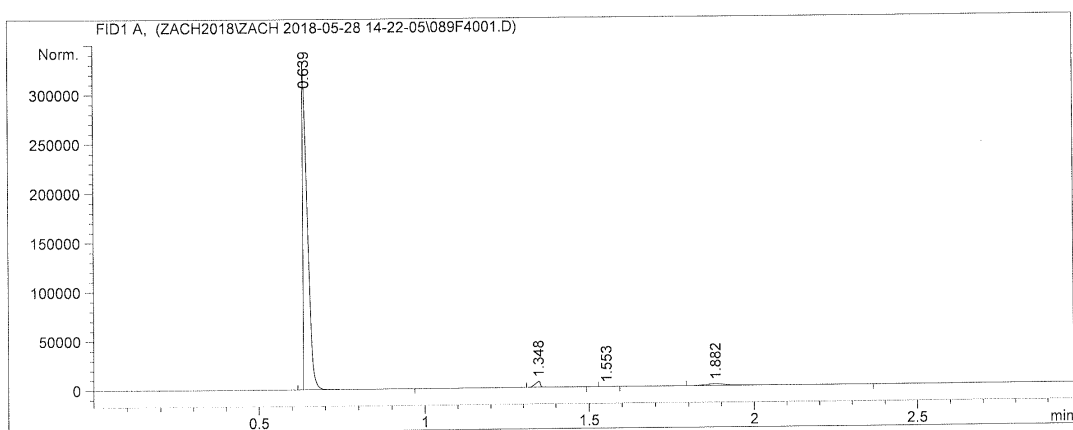
Totals : 3.35051e5 3.15966e5

```
=====
*** End of Report ***
```

Acetophenone: Sequence #2 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\089F4001.D
 Sample Name: 5

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   40
Acq. Instrument : Instrument 1                     Location  : Vial 89
Injection Date  : 28-May-18, 17:56:14              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.639	BB S	0.0162	3.14470e5	3.01769e5	95.10634
2	1.348	BB S	0.0172	6652.55469	5879.70898	2.01196
3	1.553	BB	0.0198	1.32761	1.03149	0.00040
4	1.882	BB	0.0741	9527.05078	1790.17090	2.88130

```
Totals :                      3.30651e5  3.09440e5
```

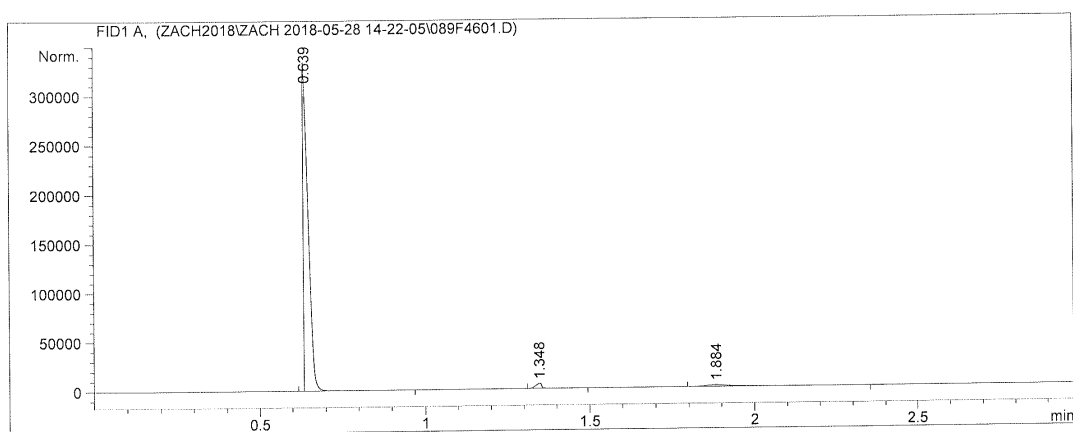
```
=====
*** End of Report ***
=====
```


Acetophenone: Sequence #2 – Run #8

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\089F4601.D
 Sample Name: 5

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   46
Acq. Instrument : Instrument 1                     Location  : Vial 89
Injection Date  : 28-May-18, 18:29:20              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.639	BB S	0.0175	3.37158e5	3.09107e5	95.59063
2	1.348	BB S	0.0199	6370.09961	5189.99268	1.80604
3	1.884	BB	0.0720	9182.20312	1737.93604	2.60333

```
Totals :                      3.52711e5  3.16035e5
```

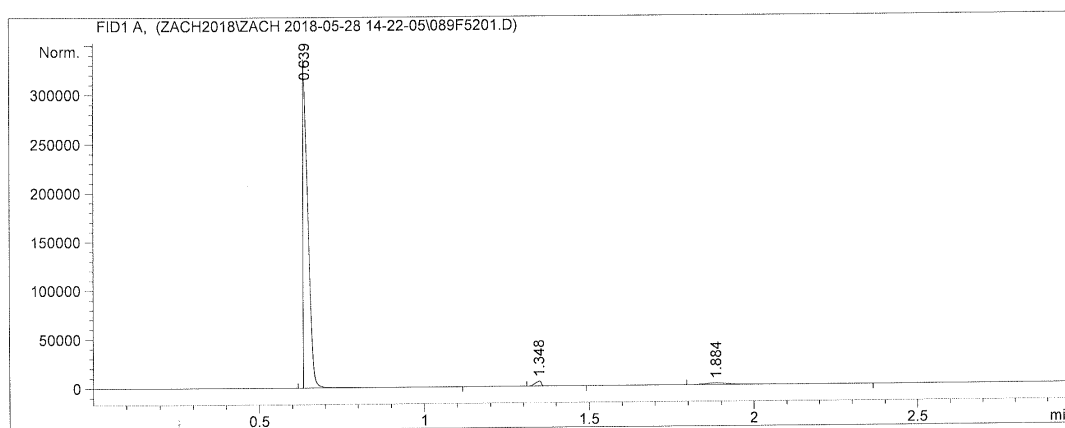
```
=====
*** End of Report ***
```

Acetophenone: Sequence #2 – Run #9

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\089F5201.D
Sample Name: 5

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   52
Acq. Instrument : Instrument 1                     Location  : Vial 89
Injection Date  : 28-May-18, 19:02:30              Inj       :    1
                                                Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.639	BB S	0.0176	3.42794e5	3.13342e5	95.72317
2	1.348	BB S	0.0202	6300.97021	5026.84570	1.75951
3	1.884	BB	0.0741	9014.75391	1693.74377	2.51732

Totals : 3.58109e5 3.20063e5

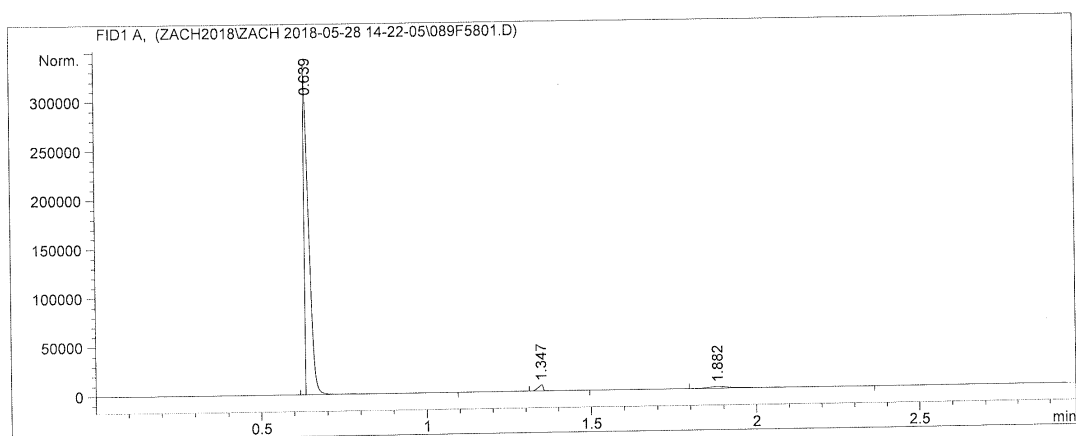
*** End of Report ***

Acetophenone: Sequence #2 – Run #10

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\089F5801.D
 Sample Name: 5

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   58
Acq. Instrument : Instrument 1                     Location  : Vial 89
Injection Date  : 28-May-18, 19:35:33              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.639	BB S	0.0160	3.10063e5	3.01272e5	95.14314
2	1.347	BB S	0.0160	6601.14209	6019.20313	2.02557
3	1.882	BB	0.0734	9226.93066	1731.69141	2.83129

Totals : 3.25891e5 3.09023e5

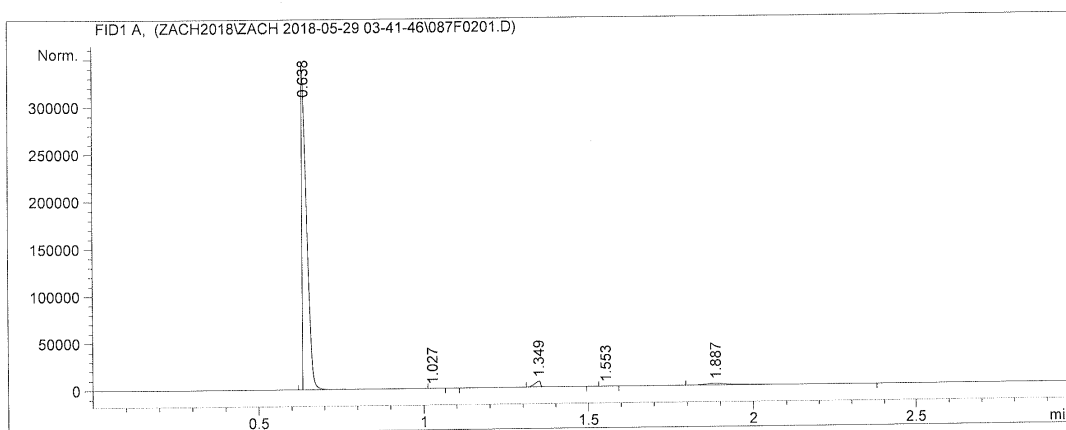
```
=====
*** End of Report ***
=====
```

Acetophenone: Sequence #3 – Run #1

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\087F0201.D
 Sample Name: 5

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    2
Acq. Instrument : Instrument 1                     Location  : Vial 87
Injection Date  : 29-May-18, 03:48:24              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.638	BB S	0.0179	3.42404e5	3.05380e5	95.09716
2	1.027	BB X	0.0217	2.63824	2.02938	0.00073
3	1.349	BB S	0.0201	7445.32373	5976.40137	2.06782
4	1.553	BB	0.0182	1.20348	1.04406	0.00033
5	1.887	BB	0.0812	1.02039e4	1762.02576	2.83396

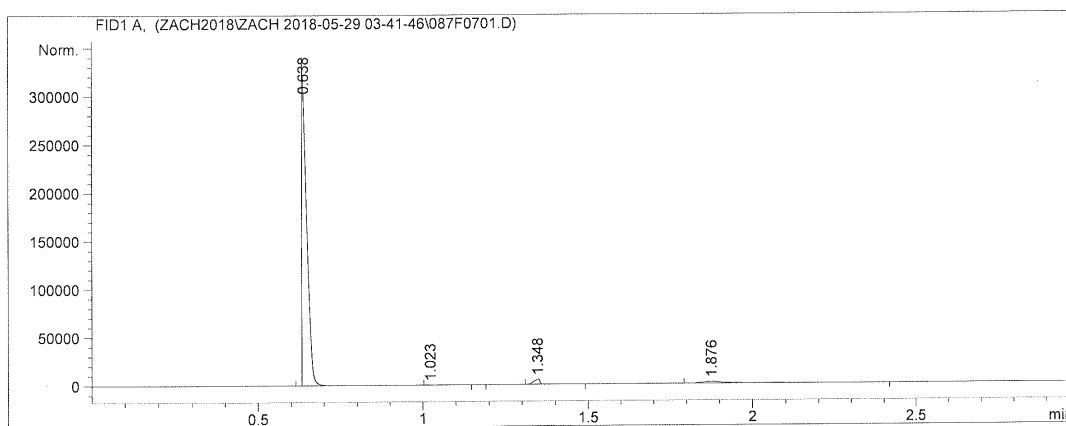
```
Totals :                      3.60057e5  3.13122e5
```

```
=====
*** End of Report ***
=====
```

Acetophenone: Sequence #3 – Run #2

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\087F0701.D
 Sample Name: 5

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    7
Acq. Instrument : Instrument 1                      Location  : Vial 87
Injection Date  : 29-May-18, 04:20:36              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.638	BB S	0.0173	3.39802e5	2.98066e5	95.49919
2	1.023	BB X	0.0282	17.76348	8.55086	0.00499
3	1.348	BB S	0.0203	6541.13428	5203.89307	1.83834
4	1.876	BB	0.0712	9455.73828	1790.16516	2.65747

Totals : 3.55817e5 3.05069e5

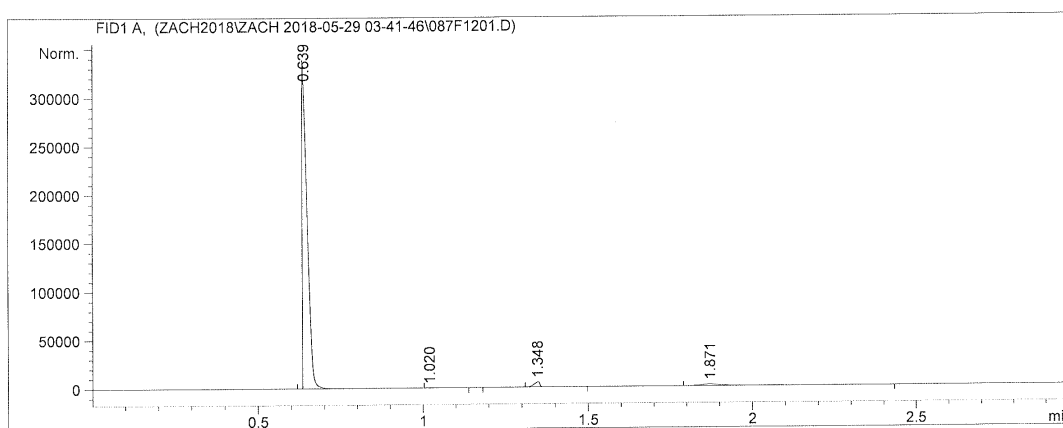
```
=====
*** End of Report ***
=====
```

Acetophenone: Sequence #3 – Run #3

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\087F1201.D
Sample Name: 5

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   12
Acq. Instrument : Instrument 1                     Location  : Vial 87
Injection Date  : 29-May-18, 04:52:46              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.639	BB S	0.0167	3.40408e5	3.12798e5	95.60588
2	1.020	BB X	0.0319	18.17864	7.60179	0.00511
3	1.348	BB S	0.0198	6332.11230	5190.59863	1.77842
4	1.871	BB	0.0664	9295.10059	1808.53687	2.61059

Totals : 3.56053e5 3.19805e5

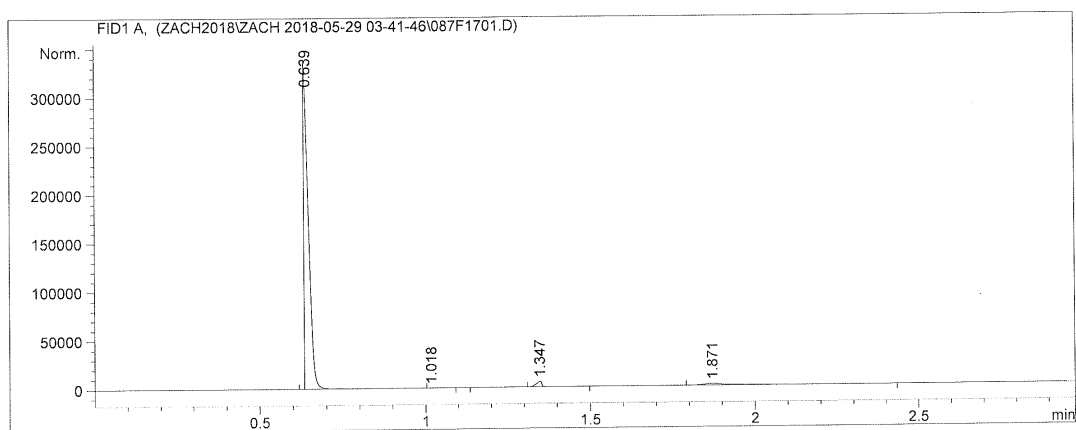
*** End of Report ***

Acetophenone: Sequence #3 – Run #4

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\087F1701.D
 Sample Name: 5

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   17
Acq. Instrument : Instrument 1                     Location  : Vial 87
Injection Date  : 29-May-18, 05:25:00              Inj       :    1
                                                Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution      : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.639	BB S	0.0161	3.16616e5	3.06387e5	95.30993
2	1.018	VB X	0.0221	9.37283	5.77778	0.00282
3	1.347	BB S	0.0170	6329.72852	5682.24121	1.90542
4	1.871	BB	0.0709	9241.10059	1757.36292	2.78182

```
Totals :                      3.32196e5  3.13832e5
```

```
=====
*** End of Report ***
=====
```

Acetophenone: Sequence #3 – Run #5

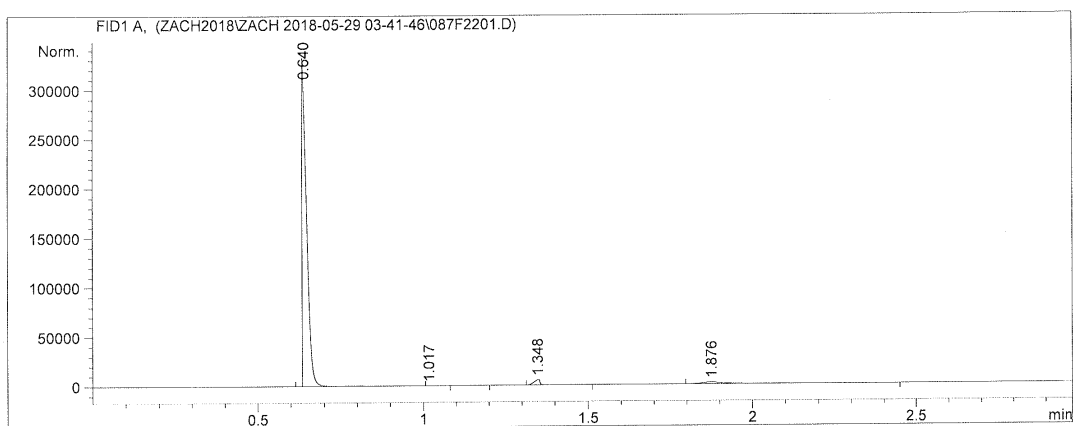
Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\087F2201.D

Sample Name: 5

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :   22
Acq. Instrument : Instrument 1                     Location  : Vial 87
Injection Date  : 29-May-18, 05:57:15              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



```

=====
Area Percent Report
=====

```

```

Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs

```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.640	BB S	0.0154	3.09862e5	3.15986e5	95.08483
2	1.017	BB X	0.0233	6.42569	3.73143	0.00197
3	1.348	BB S	0.0199	6511.59717	5301.50439	1.99816
4	1.876	BB	0.0693	9499.50293	1832.76697	2.91504

```
Totals :                3.25879e5  3.23124e5
```

```

=====
*** End of Report ***
=====

```


Acetophenone: Sequence #3 – Run #6

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\087F2701.D

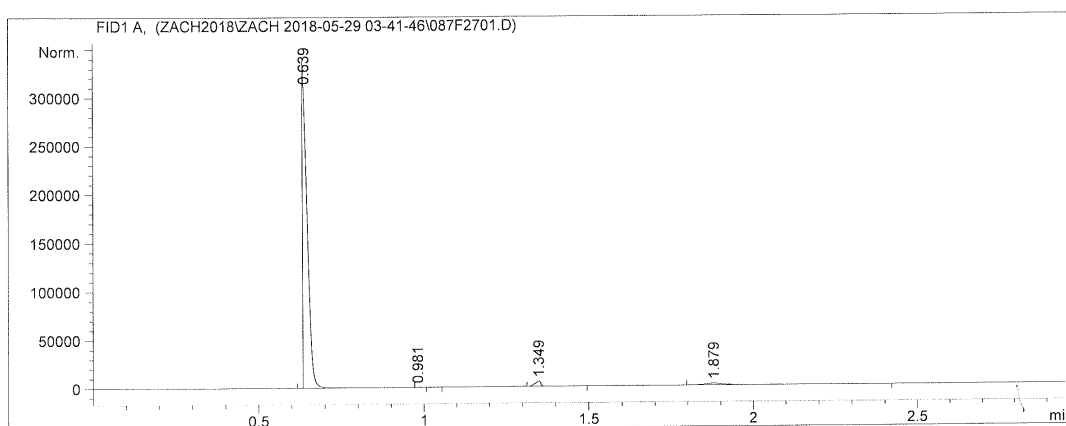
Sample Name: 5

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :   27
Acq. Instrument : Instrument 1                     Location  : Vial 87
Injection Date  : 29-May-18, 06:29:31              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



```

=====
Area Percent Report
=====

```

```

Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs

```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.639	BB S	0.0160	3.18375e5	3.09482e5	95.29098
2	0.981	BB X	0.0154	1.47756	1.59633	0.00044
3	1.349	BB S	0.0191	6399.78271	5209.27930	1.91548
4	1.879	BB	0.0668	9331.98145	1878.27820	2.79310

```
Totals :                3.34109e5  3.16571e5
```

```

=====
*** End of Report ***
=====

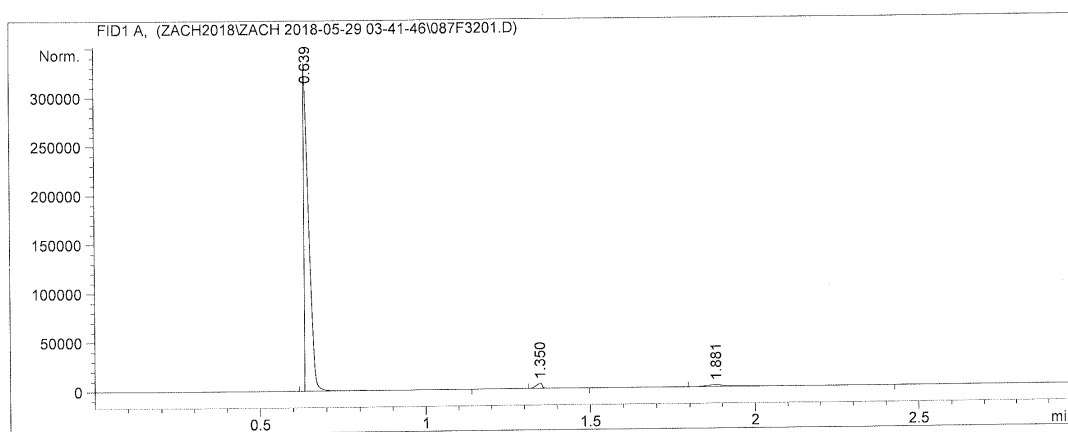
```

Acetophenone: Sequence #3 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\087F3201.D
Sample Name: 5

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   32
Acq. Instrument : Instrument 1                     Location  : Vial 87
Injection Date  : 29-May-18, 07:01:50              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



Area Percent Report

```
=====
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.639	BB S	0.0165	3.34160e5	3.12202e5	95.52979
2	1.350	BB S	0.0201	6365.99854	5136.15771	1.81991
3	1.881	BB	0.0635	9270.66113	1921.48230	2.65030

Totals : 3.49797e5 3.19260e5

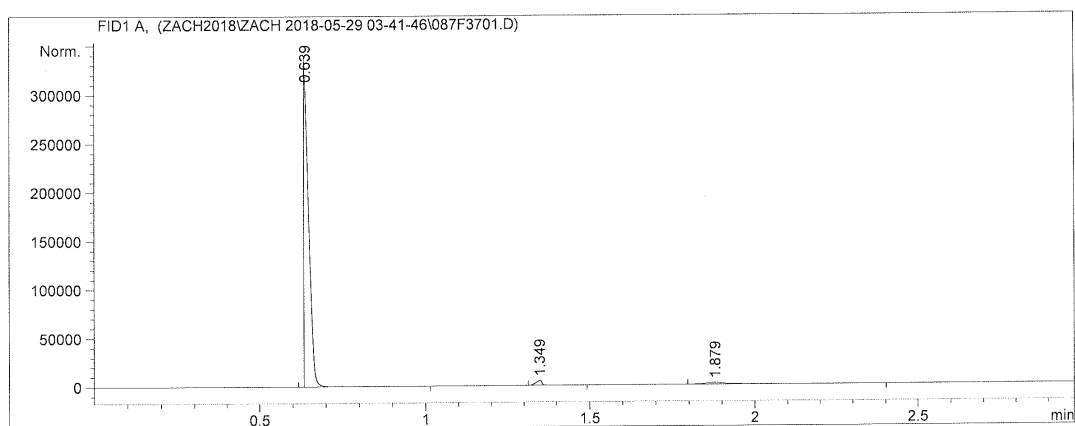
*** End of Report ***

Acetophenone: Sequence #3 – Run #8

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\087F3701.D
 Sample Name: 5

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   37
Acq. Instrument : Instrument 1                     Location  : Vial 87
Injection Date  : 29-May-18, 07:34:10              Inj       :    1
                                                Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.639	BB S	0.0156	3.27296e5	3.08465e5	95.55288
2	1.349	BB S	0.0193	6212.87402	5008.11377	1.81383
3	1.879	BB	0.0644	9019.78223	1893.39917	2.63329

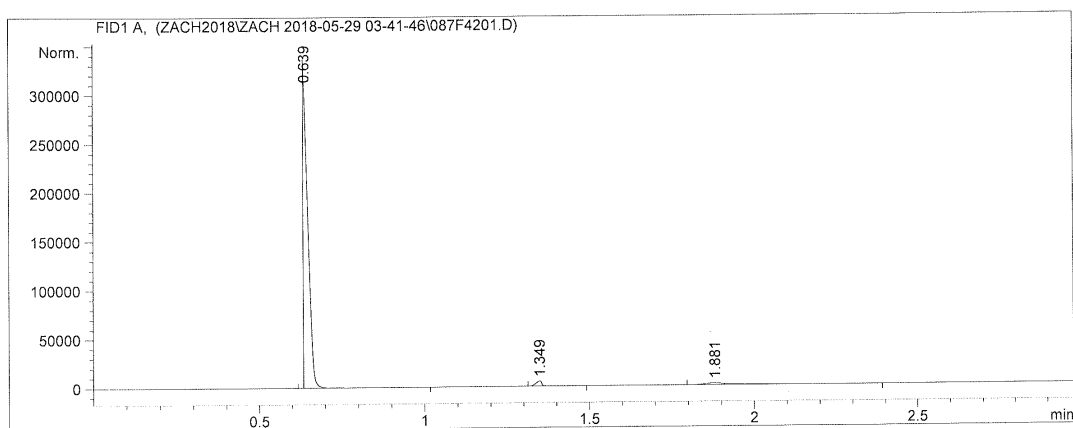
Totals : 3.42529e5 3.15366e5

```
=====
*** End of Report ***
```

Acetophenone: Sequence #3 – Run #9

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\087F4201.D
 Sample Name: 5

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   42
Acq. Instrument : Instrument 1                     Location  : Vial 87
Injection Date  : 29-May-18, 08:06:24              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.639	BB S	0.0155	3.24552e5	3.08232e5	95.39958
2	1.349	BB S	0.0192	6380.96729	5177.94482	1.87564
3	1.881	BB	0.0642	9269.81348	1923.28467	2.72479

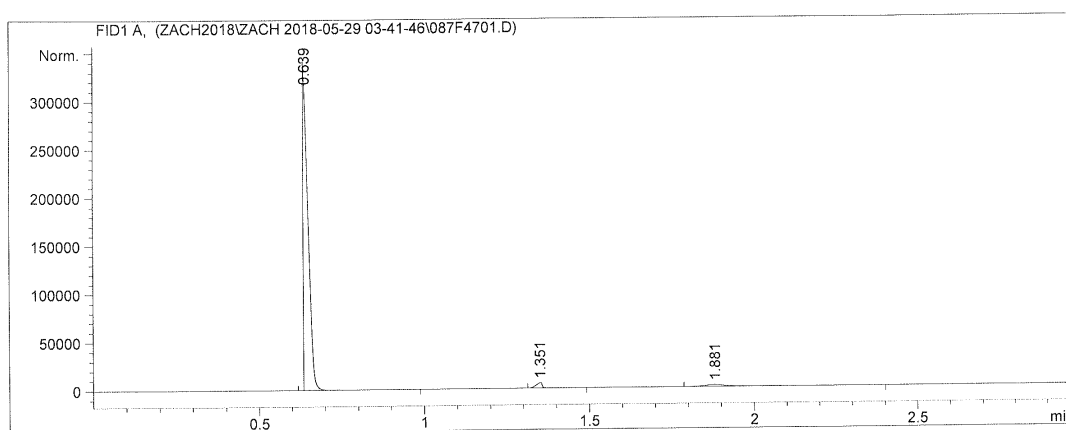
```
Totals :                      3.40203e5  3.15333e5
```

```
=====
                        *** End of Report ***
=====
```

Acetophenone: Sequence #3 – Run #10

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\087F4701.D
 Sample Name: 5

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   47
Acq. Instrument : Instrument 1                     Location  : Vial 87
Injection Date  : 29-May-18, 08:38:38              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.639	BB S	0.0176	3.42300e5	3.12696e5	95.39026
2	1.351	BB S	0.0203	6905.54688	5472.74121	1.92440
3	1.881	BB	0.0655	9636.15332	1954.10193	2.68535

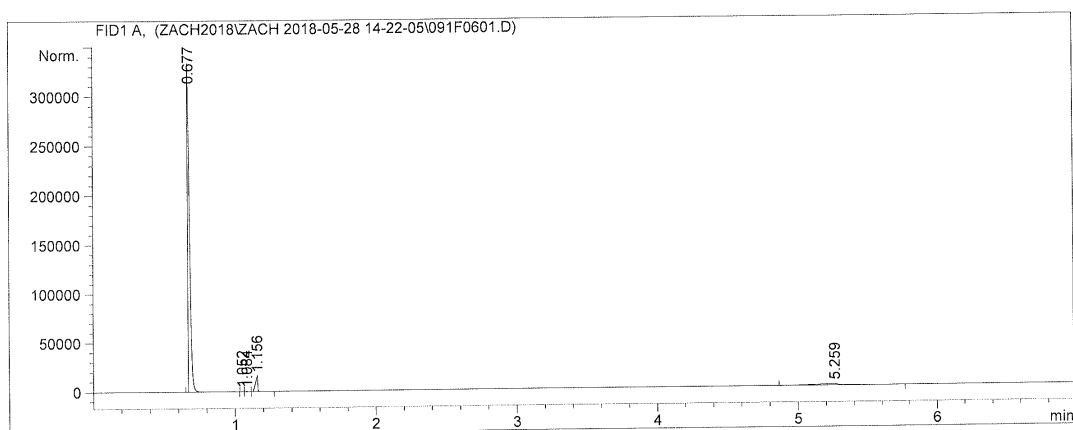
Totals : 3.58842e5 3.20123e5

```
=====
*** End of Report ***
```

Benzophenone: Sequence #1 – Run #1

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\091F0601.D
 Sample Name: 7

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    6
Acq. Instrument : Instrument 1                     Location  : Vial 91
Injection Date  : 28-May-18, 14:48:12              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z5.M
Last changed    : 5/28/2018 2:08:29 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.677	BB S	0.0148	2.98517e5	3.21179e5	89.45139
2	1.052	BV	0.0155	10.91503	11.11974	0.00327
3	1.084	VV	0.0176	80.48061	73.21738	0.02412
4	1.156	VB S	0.0159	1.75210e4	1.51444e4	5.25023
5	5.259	BB	0.1522	1.75903e4	1415.30811	5.27099

```
Totals :                      3.33720e5  3.37823e5
```

```
=====
*** End of Report ***
=====
```

Benzophenone: Sequence #1 – Run #2

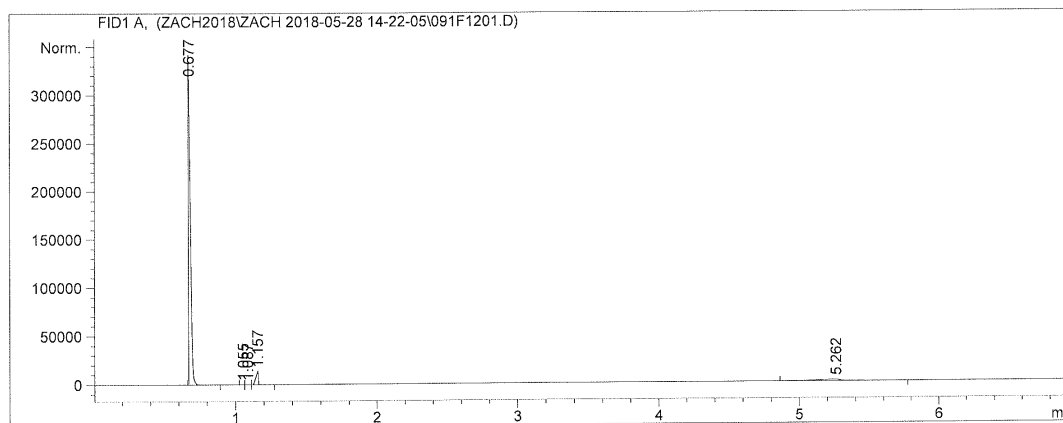
Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\091F1201.D

Sample Name: 7

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :   12
Acq. Instrument : Instrument 1                     Location  : Vial 91
Injection Date  : 28-May-18, 15:21:14              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z5.M
Last changed    : 5/28/2018 2:08:29 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



```

=====
                          Area Percent Report
=====

```

```

Sorted By           :      Signal
Multiplier          :      1.0000
Dilution            :      1.0000
Use Multiplier & Dilution Factor with ISTDs

```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.677	BB S	0.0155	3.18225e5	3.22957e5	90.20490
2	1.055	BV	0.0173	10.26330	9.54466	0.00291
3	1.087	VV	0.0200	77.59126	63.05553	0.02199
4	1.157	VB S	0.0196	1.67761e4	1.32588e4	4.75541
5	5.262	BB	0.1533	1.76912e4	1420.30664	5.01479

```
Totals :                      3.52780e5  3.37709e5
```

```

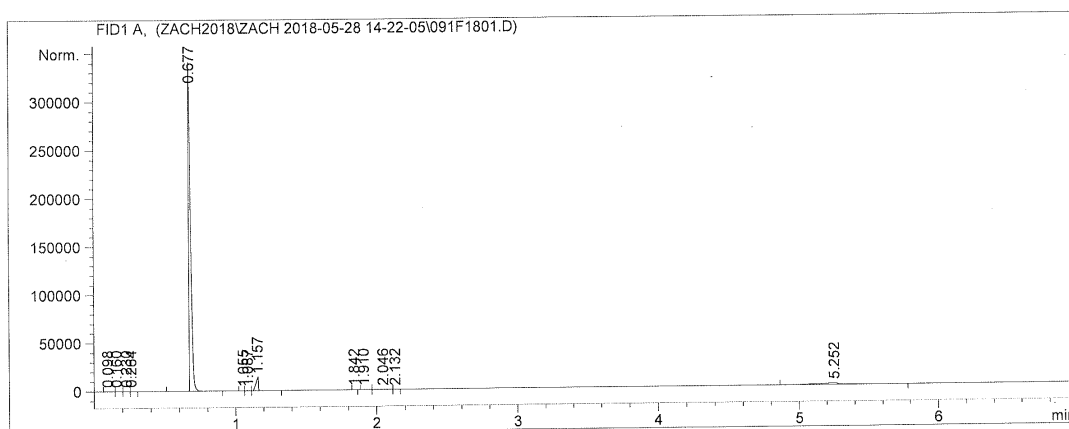
=====
*** End of Report ***

```

Benzophenone: Sequence #1 – Run #3

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\091F1801.D
 Sample Name: 7

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   18
Acq. Instrument : Instrument 1                     Location  : Vial 91
Injection Date  : 28-May-18, 15:54:21              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z5.M
Last changed    : 5/28/2018 2:08:29 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.098	BV	0.0296	2.91379	1.24884	0.00082
2	0.160	VV	0.0351	3.50801	1.66504	0.00099
3	0.230	VV	0.0216	3.80064	2.51598	0.00107
4	0.264	VB	0.0149	1.15378	1.01182	0.00032
5	0.677	BB S	0.0156	3.21010e5	3.22490e5	90.22117
6	1.055	VV	0.0170	11.77359	10.58774	0.00331
7	1.087	VV	0.0211	81.02094	64.16161	0.02277
8	1.157	VB S	0.0179	1.69500e4	1.34271e4	4.76388
9	1.842	BB	0.0150	1.34351	1.24191	0.00038
10	1.910	BB	0.0447	5.43254	1.49881	0.00153
11	2.046	BV	0.0628	11.20793	2.16542	0.00315

Instrument 1 7/6/2018 10:40:56 PM Zach Taylor

Page 1 of 2

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\091F1801.D
 Sample Name: 7

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   18
Acq. Instrument : Instrument 1                     Location  : Vial 91
Injection Date  : 28-May-18, 15:54:21              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z5.M
Last changed    : 5/28/2018 2:08:29 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```

```
=====
Peak RetTime Type Width Area Height Area
# [min] [min] [pA*s] [pA] %
----|-----|----|-----|-----|-----|
12 2.132 VB 0.0235 2.17940 1.36220 0.00061
13 5.252 BB 0.1532 1.77190e4 1431.44543 4.98001
```

Totals : 3.55803e5 3.37436e5

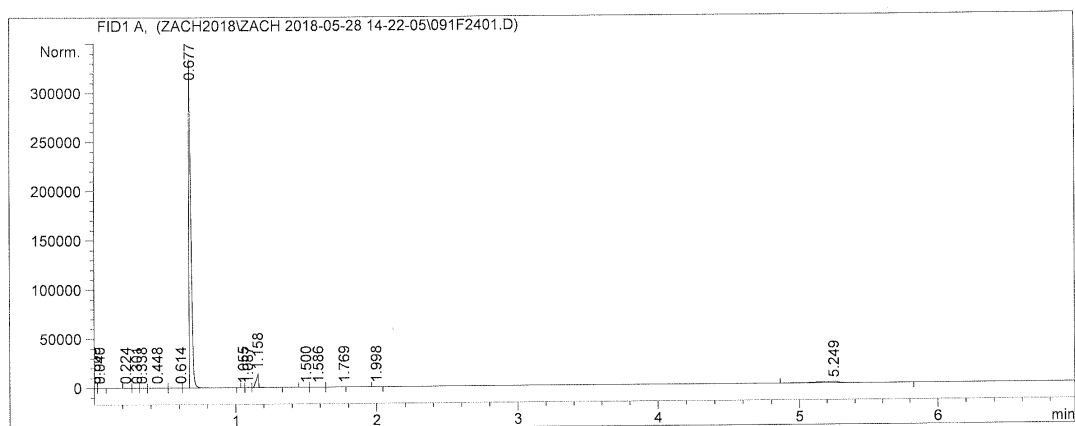
```
=====
*** End of Report ***
=====
```

Benzophenone: Sequence #1 – Run #4

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\091F2401.D
 Sample Name: 7

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   24
Acq. Instrument : Instrument 1                      Location  : Vial 91
Injection Date  : 28-May-18, 16:27:24              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z5.M
Last changed    : 5/28/2018 2:08:29 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	8.96e-3	BV	0.0107	1.25275	1.77101	0.00035
2	0.040	VB	0.0134	2.10374	2.08175	0.00060
3	0.224	BV	0.0215	3.73660	2.89690	0.00106
4	0.301	VV	0.0186	3.12392	2.49851	0.00088
5	0.338	VV	0.0302	5.32714	2.52400	0.00151
6	0.448	VV	0.0572	9.60341	2.04419	0.00272
7	0.614	VV	0.0458	7.49590	2.01296	0.00212
8	0.677	VB S	0.0153	3.19006e5	3.28018e5	90.32737
9	1.055	BV	0.0155	9.51892	9.28944	0.00270
10	1.087	VV	0.0193	76.92912	62.03866	0.02178
11	1.158	VB S	0.0162	1.65887e4	1.40017e4	4.69713

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\091F2401.D
 Sample Name: 7

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   24
Acq. Instrument : Instrument 1                     Location  : Vial 91
Injection Date  : 28-May-18, 16:27:24              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z5.M
Last changed    : 5/28/2018 2:08:29 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
12	1.500	BV	0.0117	1.04471	1.20822	0.00030
13	1.586	VV	0.0454	4.03403	1.09437	0.00114
14	1.769	VV	0.0534	5.09400	1.28656	0.00144
15	1.998	BB	0.0363	3.80719	1.28058	0.00108
16	5.249	BB	0.1494	1.74387e4	1383.84644	4.93782

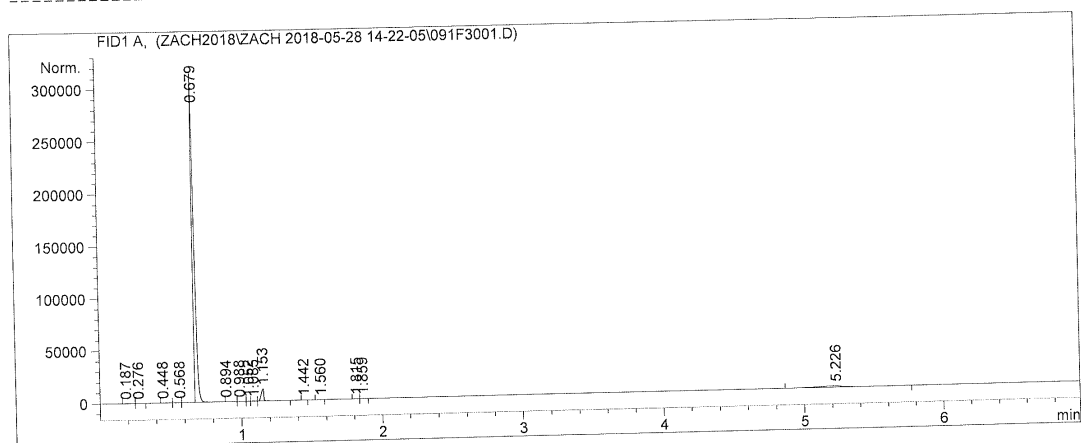
Totals : 3.53167e5 3.43495e5

*** End of Report ***

Benzophenone: Sequence #1 – Run #5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\091F3001.D
 Sample Name: 7

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   30
Acq. Instrument : Instrument 1                     Location  : Vial 91
Injection Date  : 28-May-18, 17:00:26              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z5.M
Last changed    : 5/28/2018 2:08:29 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.187	BV	0.0406	9.75495	2.92088	0.00314
2	0.276	VB	0.0396	5.48143	1.92896	0.00176
3	0.448	BV	0.0298	3.18926	1.39759	0.00103
4	0.568	VV	0.0281	5.46111	2.40252	0.00176
5	0.679	VV S	0.0148	2.81503e5	2.82446e5	90.53944
6	0.894	BV X	0.0417	5.70955	2.28048	0.00184
7	0.988	VV X	0.0392	4.45955	1.89788	0.00143
8	1.052	VV T	0.0208	8.95735	7.42206	0.00288
9	1.085	VV T	0.0211	64.37167	50.98314	0.02070
10	1.153	VB S	0.0213	1.42751e4	1.11721e4	4.59126
11	1.442	BB	0.0137	1.29549	1.34208	0.00042

Instrument 1 7/6/2018 10:41:02 PM Zach Taylor

Page 1 of 2

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\091F3001.D
 Sample Name: 7

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   30
Acq. Instrument : Instrument 1                      Location  : Vial 91
Injection Date  : 28-May-18, 17:00:26              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z5.M
Last changed    : 5/28/2018 2:08:29 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
12	1.560	BV	0.0284	3.06786	1.37764	0.00099
13	1.815	BV	0.0244	1.82349	1.08380	0.00059
14	1.859	VB	0.0181	1.87251	1.39400	0.00060
15	5.226	BB	0.1459	1.50241e4	1221.21716	4.83218

Totals : 3.10918e5 2.94916e5

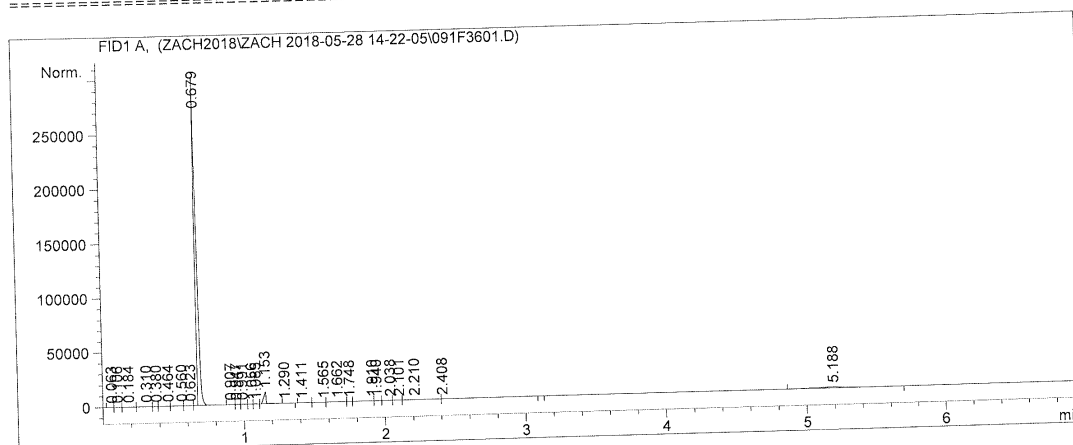
*** End of Report ***

Benzophenone: Sequence #1 – Run #6

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\091F3601.D
 Sample Name: 7

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   36
Acq. Instrument : Instrument 1                     Location  : Vial 91
Injection Date  : 28-May-18, 17:33:32              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z5.M
Last changed    : 5/28/2018 2:08:29 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.063	BV	0.0293	9.13883	4.35919	0.00325
2	0.106	VV	0.0250	10.08897	5.20178	0.00358
3	0.184	VB	0.0364	16.33723	5.73588	0.00580
4	0.310	BV	0.0449	8.27021	2.80051	0.00294
5	0.380	VV	0.0144	2.56633	2.49613	0.00091
6	0.464	VV	0.0278	8.40334	3.74075	0.00298
7	0.560	VV	0.0400	19.49664	6.05374	0.00692
8	0.623	VV	0.0361	26.12001	9.03303	0.00927
9	0.679	VV S	0.0142	2.54902e5	2.69402e5	90.51051
10	0.907	BV X	0.0276	5.98358	2.76693	0.00212
11	0.947	VV X	0.0227	3.14041	2.30983	0.00112

Instrument 1 7/6/2018 10:41:10 PM Zach Taylor

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\091F3601.D
 Sample Name: 7

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   36
Acq. Instrument : Instrument 1                     Location  : Vial 91
Injection Date  : 28-May-18, 17:33:32              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z5.M
Last changed    : 5/28/2018 2:08:29 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
12	0.991	VV X	0.0287	4.75932	2.76226	0.00169
13	1.056	VV X	0.0211	9.48362	7.52323	0.00337
14	1.085	VV X	0.0175	57.16728	49.50750	0.02030
15	1.153	VB S	0.0181	1.31531e4	1.02822e4	4.67041
16	1.290	BV X	0.0115	1.51730	2.20383	0.00054
17	1.411	VV T	0.0539	9.72370	2.20118	0.00345
18	1.565	VV T	0.0515	17.82695	4.69837	0.00633
19	1.662	VV T	0.0823	50.57536	7.31409	0.01796
20	1.748	VV T	0.0291	19.45910	8.50636	0.00691
21	1.910	VV T	0.0821	96.88002	14.18502	0.03440
22	1.940	VV T	0.0508	42.81895	14.05026	0.01520
23	2.038	VV T	0.0519	67.69730	16.21708	0.02404
24	2.101	VV T	0.0458	68.68067	18.12964	0.02439
25	2.210	VV T	0.1891	326.38251	20.65963	0.11589
26	2.408	VB T	0.3654	486.26797	22.17991	0.17266
27	5.188	BB	0.1365	1.22030e4	1061.45386	4.33305

Totals : 2.81627e5 2.80980e5

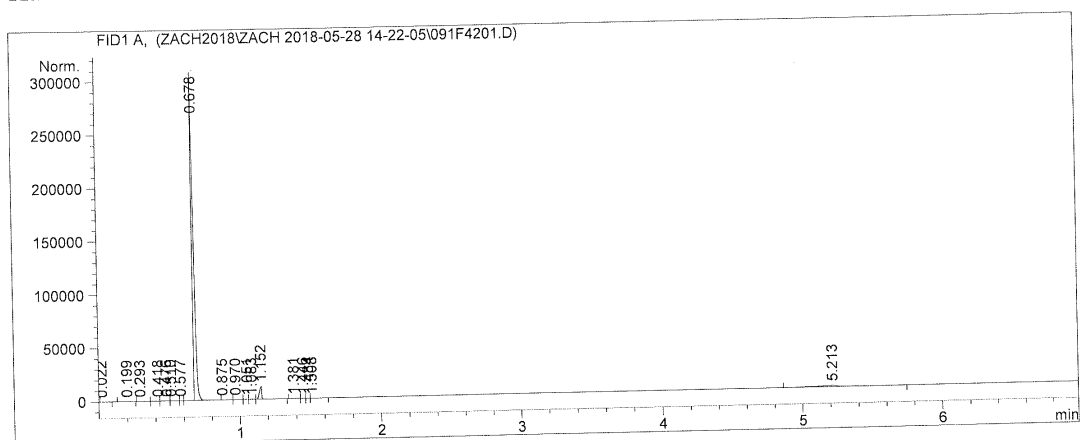
*** End of Report ***

Benzophenone: Sequence #1 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\091F4201.D
 Sample Name: 7

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   42
Acq. Instrument : Instrument 1                     Location  : Vial 91
Injection Date  : 28-May-18, 18:06:37              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z5.M
Last changed    : 5/28/2018 2:08:29 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.022	BB	0.0496	10.52908	2.69376	0.00374
2	0.199	BB	0.0456	13.28249	3.65448	0.00472
3	0.293	BB	0.0266	2.68746	1.33872	0.00095
4	0.418	BV	0.0239	2.72905	1.74049	0.00097
5	0.476	VV	0.0305	6.33675	2.63160	0.00225
6	0.510	VV	0.0333	8.73491	3.21340	0.00310
7	0.577	VB	0.0183	5.28429	3.88589	0.00188
8	0.678	BV S	0.0144	2.54648e5	2.65734e5	90.45483
9	0.875	BV T	0.0394	6.37217	2.69884	0.00226
10	0.970	PV T	0.0428	4.33749	1.68858	0.00154
11	1.051	PV T	0.0177	9.35993	8.44805	0.00332

Instrument 1 7/6/2018 10:41:12 PM Zach Taylor

Page 1 of 2

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\091F4201.D
 Sample Name: 7

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   42
Acq. Instrument : Instrument 1                     Location  : Vial 91
Injection Date  : 28-May-18, 18:06:37              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z5.M
Last changed    : 5/28/2018 2:08:29 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
12	1.083	PV T	0.0187	59.59016	53.01476	0.02117
13	1.152	VB S	0.0183	1.31868e4	1.21361e4	4.68414
14	1.381	BV	0.0397	5.55194	2.20786	0.00197
15	1.446	VV	0.0193	2.26092	1.72407	0.00080
16	1.484	VV	0.0148	1.63502	1.54447	0.00058
17	1.508	VV	0.0656	10.37446	1.96367	0.00369
18	5.213	BB	0.1499	1.35357e4	1145.28101	4.80808

Totals : 2.81520e5 2.79108e5

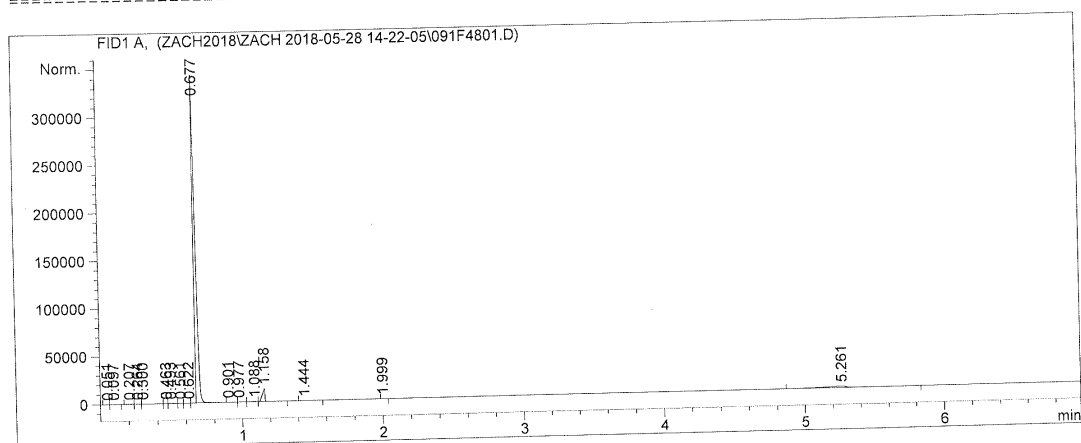
*** End of Report ***

Benzophenone: Sequence #1 – Run #8

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\091F4801.D
 Sample Name: 7

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   48
Acq. Instrument : Instrument 1                     Location  : Vial 91
Injection Date  : 28-May-18, 18:39:46              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z5.M
Last changed    : 5/28/2018 2:08:29 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.051	BV	0.0209	5.14246	3.38467	0.00142
2	0.097	VB	0.0345	10.79174	4.02014	0.00298
3	0.207	BV	0.0292	9.03307	4.17812	0.00250
4	0.264	VV	0.0266	3.23166	2.11261	0.00089
5	0.300	VB	0.0162	1.69190	1.35519	0.00047
6	0.463	BV	0.0116	1.80370	2.27715	0.00050
7	0.493	VV	0.0382	5.59002	2.44113	0.00154
8	0.561	VV	0.0234	5.34285	3.08867	0.00148
9	0.622	VV	0.0317	10.56227	4.20164	0.00292
10	0.677	VV S	0.0158	3.26723e5	3.21947e5	90.24628
11	0.901	BV T	0.0237	3.24010	1.84812	0.00089

Instrument 1 7/6/2018 10:41:17 PM Zach Taylor

Page 1 of 2

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\091F4801.D
 Sample Name: 7

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   48
Acq. Instrument : Instrument 1                     Location  : Vial 91
Injection Date  : 28-May-18, 18:39:46              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z5.M
Last changed    : 5/28/2018 2:08:29 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```

```
=====
Peak RetTime Type Width Area Height Area
# [min] [min] [pA*s] [pA] %
----|-----|----|-----|-----|-----|
12 0.977 VV T 0.0345 4.05138 1.95516 0.00112
13 1.088 PV T 0.0245 89.89602 60.77319 0.02483
14 1.158 VB S 0.0190 1.70157e4 1.32218e4 4.70002
15 1.444 BB 0.0169 1.60511 1.22319 0.00044
16 1.999 BB 0.0186 1.92558 1.72731 0.00053
17 5.261 BB 0.1528 1.81423e4 1415.01611 5.01119
```

Totals : 3.62035e5 3.36678e5

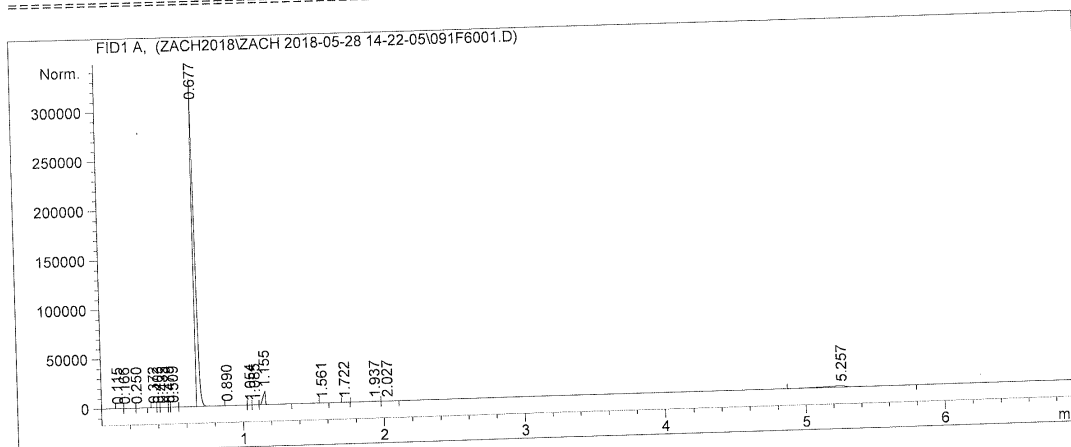
```
=====
*** End of Report ***
```

Benzophenone: Sequence #1 – Run #10

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\091F6001.D
 Sample Name: 7

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   60
Acq. Instrument : Instrument 1                     Location  : Vial 91
Injection Date  : 28-May-18, 19:45:55              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z5.M
Last changed    : 5/28/2018 2:08:29 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.115	BB	0.0192	2.30394	1.67817	0.00069
2	0.166	BV	0.0345	6.53195	2.31306	0.00196
3	0.250	VB	0.0266	2.76250	1.72859	0.00083
4	0.372	BV	0.0137	2.04269	2.27587	0.00061
5	0.403	VV	0.0120	1.26177	1.83836	0.00038
6	0.435	VV	0.0299	5.14319	2.32090	0.00154
7	0.479	VV	9.84e-3	1.29011	2.02370	0.00039
8	0.509	VV	0.0296	7.41828	3.18267	0.00222
9	0.677	VV S	0.0149	3.00299e5	3.22622e5	90.01275
10	0.890	BV T	0.0611	13.42662	2.63459	0.00402
11	1.054	PV T	0.0175	11.50548	10.60651	0.00345

Instrument 1 7/6/2018 10:41:24 PM Zach Taylor

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\091F6001.D

Sample Name: 7

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   60
Acq. Instrument : Instrument 1                     Location  : Vial 91
Injection Date  : 28-May-18, 19:45:55              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z5.M
Last changed    : 5/28/2018 2:08:29 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```

```
=====
Peak RetTime Type Width Area Height Area
# [min] [min] [pA*s] [pA] %
----|-----|----|-----|-----|-----|
12 1.085 VV T 0.0208 75.34935 61.12591 0.02259
13 1.155 VB S 0.0165 1.62005e4 1.33991e4 4.85600
14 1.561 BB 0.0124 1.05313 1.23128 0.00032
15 1.722 BB 0.0238 2.72771 1.54435 0.00082
16 1.937 BV 0.1008 20.67633 2.47045 0.00620
17 2.027 VB 0.0440 6.23290 1.75005 0.00187
18 5.257 BB 0.1552 1.69590e4 1351.05859 5.08337
```

Totals : 3.33618e5 3.37470e5

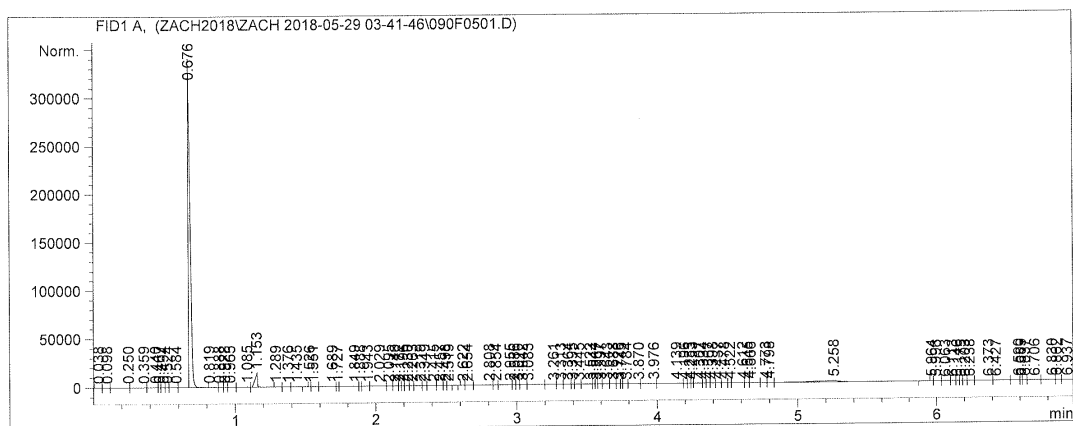
```
=====
*** End of Report ***
=====
```

Benzophenone: Sequence #2 – Run #1

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\090F0501.D
Sample Name: 7

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    5
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 29-May-18, 04:06:46              Inj       :    1
                                                Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\Z5.M
Last changed    : 5/28/2018 2:08:29 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.038	BV	0.0214	4.38435	2.69596	0.00118
2	0.098	VV	0.0282	6.04271	3.01518	0.00163
3	0.250	VV	0.0729	22.60943	4.01685	0.00608
4	0.359	VV	0.0551	26.27705	5.72792	0.00707
5	0.440	VV	0.0370	19.82495	6.53486	0.00533
6	0.467	VV	0.0149	5.20085	5.17726	0.00140
7	0.494	VV	0.0189	8.74737	5.91001	0.00235
8	0.524	VV	0.0169	7.95576	6.08292	0.00214
9	0.584	VV	0.0354	23.52993	8.11035	0.00633
10	0.676	VV S	0.0164	3.33383e5	3.14416e5	89.69768
11	0.819	BV X	0.0132	7.05552	8.92076	0.00190

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\090F0501.D
Sample Name: 7

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    5
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 29-May-18, 04:06:46              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\25.M
Last changed    : 5/28/2018 2:08:29 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
12	0.888	VV X	0.0154	2.33859	2.53341	0.00063
13	0.928	VV T	0.0171	2.26525	2.20399	0.00061
14	0.965	VV T	0.0245	11.62925	6.14937	0.00313
15	1.085	VV T	0.0214	100.12798	67.24658	0.02694
16	1.153	VB S	0.0189	1.86008e4	1.38628e4	5.00459
17	1.289	BV X	0.0334	4.86290	2.42820	0.00131
18	1.376	VV T	0.0272	7.57041	4.64402	0.00204
19	1.435	VB T	0.0353	9.24858	3.44766	0.00249
20	1.526	BV T	8.43e-3	1.00483	1.94361	0.00027
21	1.551	VV T	0.0295	3.76522	2.12711	0.00101
22	1.689	VV T	0.0508	10.95867	2.64047	0.00295
23	1.727	VV T	0.0101	1.46979	2.42179	0.00040
24	1.849	VV T	0.0546	9.74874	2.18075	0.00262
25	1.888	VV T	0.0135	1.65723	2.04415	0.00045
26	1.943	VV T	0.0281	7.35947	3.56539	0.00198
27	2.029	VV T	0.0516	10.73654	2.92464	0.00289
28	2.095	VV T	0.0235	3.29364	2.14511	0.00089
29	2.140	VV T	0.0197	4.24557	2.85716	0.00114
30	2.172	VV T	0.0115	2.57300	3.62329	0.00069
31	2.196	VV T	0.0123	2.04690	2.76804	0.00055
32	2.230	VV T	0.0186	4.18531	3.74644	0.00113
33	2.263	VV T	0.0150	3.71591	3.45331	0.00100
34	2.319	VV T	0.0255	7.07735	3.98916	0.00190
35	2.349	VV T	0.0217	4.23252	3.25204	0.00114
36	2.415	VV T	0.0292	8.18420	3.91244	0.00220
37	2.457	VV T	0.0184	6.11174	4.46552	0.00164
38	2.498	VV T	0.0137	2.61798	3.19143	0.00070
39	2.519	VB T	0.0138	3.87684	3.71417	0.00104
40	2.622	BV	0.0139	3.78992	3.84127	0.00102
41	2.654	VB	0.0244	4.82328	2.87664	0.00130
42	2.808	BV	0.0534	11.78235	2.83107	0.00317
43	2.854	VV	0.0193	4.14481	3.16412	0.00112
44	2.955	VV	0.0332	10.98690	4.06104	0.00296
45	2.986	VV	0.0177	3.90572	3.75162	0.00105
46	3.010	VV	0.0180	3.94085	3.10731	0.00106
47	3.042	VV	0.0231	8.93715	4.86040	0.00240
48	3.083	VV	0.0515	19.07083	4.60394	0.00513
49	3.261	VV	0.0407	9.96470	3.03584	0.00268
50	3.313	VV	0.0220	7.62331	4.54101	0.00205
51	3.364	VV	0.0290	9.30363	3.96269	0.00250
52	3.395	VV	0.0141	3.83791	3.82971	0.00103
53	3.445	VV	0.0287	7.98657	4.03361	0.00215
54	3.522	VV	0.0366	13.29967	4.53143	0.00358

Instrument 1 7/6/2018 10:41:58 PM Zach Taylor

Page 2 of 4

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\090F0501.D
 Sample Name: 7

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    5
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 29-May-18, 04:06:46              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\Z5.M
Last changed    : 5/28/2018 2:08:29 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
55	3.544	VV	0.0116	3.80066	4.42497	0.00102
56	3.567	VV	9.45e-3	2.35549	3.90021	0.00063
57	3.597	VV	0.0163	3.57364	2.83797	0.00096
58	3.643	VV	0.0336	9.55599	3.76817	0.00257
59	3.688	VV	0.0285	7.53818	3.48001	0.00203
60	3.726	VV	0.0176	5.54198	4.49046	0.00149
61	3.745	VV	8.70e-3	2.78644	5.15971	0.00075
62	3.784	VV	0.0227	6.04394	4.33219	0.00163
63	3.870	VV	0.0476	15.55600	4.08884	0.00419
64	3.976	VV	0.0631	22.68066	4.30330	0.00610
65	4.139	VV	0.0871	38.61176	5.27034	0.01039
66	4.196	VV	0.0153	6.59058	5.62727	0.00177
67	4.233	VV	0.0156	6.06147	5.05136	0.00163
68	4.253	VV	0.0116	4.62502	5.89639	0.00124
69	4.307	VV	0.0318	17.93752	6.93036	0.00483
70	4.334	VV	0.0162	6.93558	6.23411	0.00187
71	4.367	VV	0.0190	8.57022	6.30847	0.00231
72	4.398	VV	0.0239	10.76988	6.31966	0.00290
73	4.437	VV	0.0237	13.35573	7.30355	0.00359
74	4.478	VV	0.0265	14.10732	6.60523	0.00380
75	4.522	VV	0.0170	7.65411	6.45292	0.00206
76	4.612	VV	0.0574	32.74407	6.93992	0.00881
77	4.645	VV	0.0273	11.94664	6.66719	0.00321
78	4.666	VV	0.0380	24.00860	7.85739	0.00646
79	4.773	VV	0.0287	12.36399	5.65904	0.00333
80	4.798	VV	0.0218	7.93268	4.76314	0.00213
81	5.258	VB	0.1785	1.87603e4	1289.84155	5.04752
82	5.964	BV	0.0111	2.68370	3.61451	0.00072
83	5.996	VV	0.0225	6.38398	3.70835	0.00172
84	6.063	VV	0.0231	6.17938	3.48123	0.00166
85	6.113	VV	0.0187	4.28084	3.21184	0.00115
86	6.146	VV	0.0129	2.27642	2.53339	0.00061
87	6.175	VV	0.0118	3.57491	5.06237	0.00096
88	6.203	VV	0.0146	5.17786	4.95044	0.00139
89	6.238	VV	0.0240	7.85097	4.57555	0.00211
90	6.373	VV	0.0584	16.35941	3.40734	0.00440
91	6.427	VV	0.0358	17.77122	6.05753	0.00478
92	6.590	VV	0.0351	13.66290	4.87499	0.00368
93	6.609	VV	0.0105	2.66707	3.84362	0.00072
94	6.637	VV	0.0140	4.13625	4.45123	0.00111
95	6.706	VV	0.0392	14.27075	4.52821	0.00384
96	6.830	VV	0.0422	12.98562	3.73513	0.00349
97	6.862	VV	0.0167	4.49653	3.48478	0.00121

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\090F0501.D

Sample Name: 7

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    5
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 29-May-18, 04:06:46              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\Z5.M
Last changed    : 5/28/2018 2:08:29 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```

```
=====
Peak RetTime Type Width Area Height Area
# [min] [min] [pA*s] [pA] %
----|-----|----|-----|-----|-----|
 98 6.937 VBA 0.0401 9.61741 2.91326 0.00259
```

Totals : 3.71674e5 3.30040e5

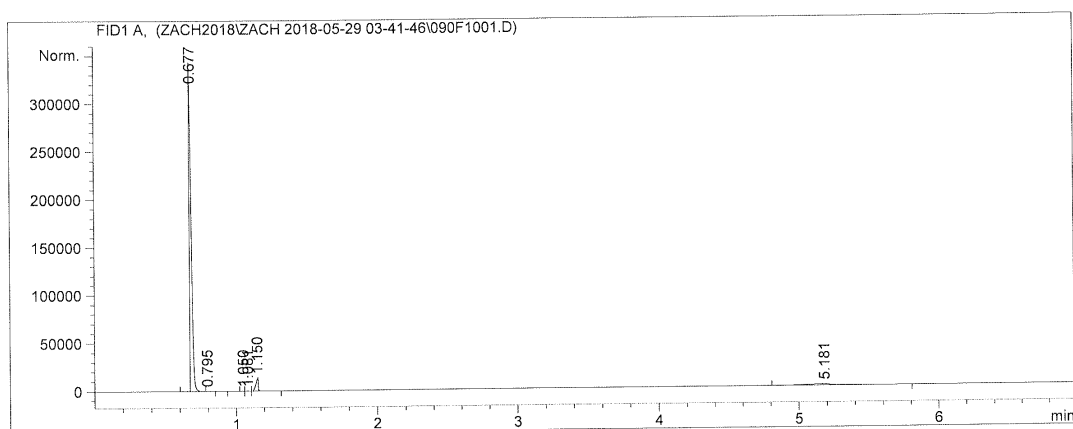
```
=====
*** End of Report ***
```

Benzophenone: Sequence #2 – Run #2

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\090F1001.D
Sample Name: 7

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   10
Acq. Instrument : Instrument 1                      Location  : Vial 90
Injection Date  : 29-May-18, 04:38:59              Inj       :    1
                                                Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\Z5.M
Last changed    : 5/28/2018 2:08:29 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution      :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.677	BB S	0.0152	3.11902e5	3.25272e5	90.29607
2	0.795	BB X	0.0251	78.05450	46.77392	0.02260
3	1.050	BV	0.0167	9.94777	9.77172	0.00288
4	1.081	VV	0.0187	74.64748	62.66996	0.02161
5	1.150	VB S	0.0173	1.62512e4	1.34390e4	4.70476
6	5.181	BB	0.1563	1.71055e4	1296.32129	4.95208

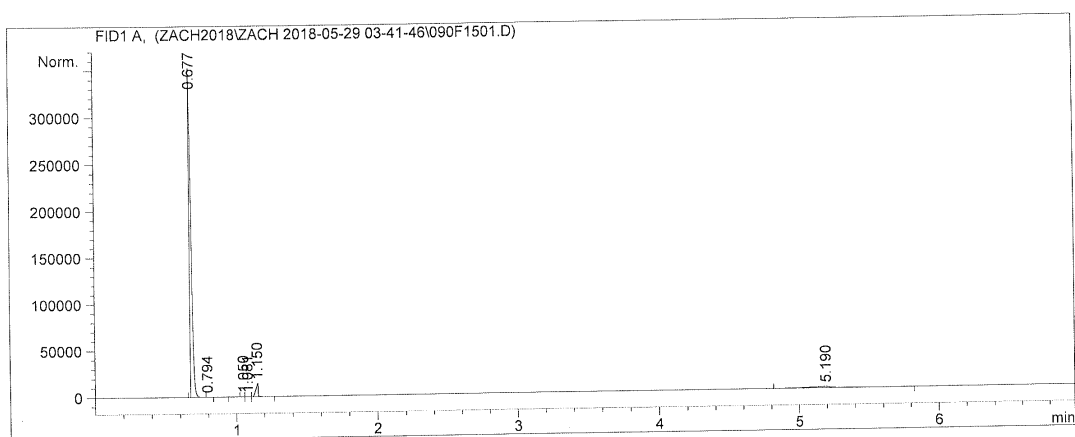
```
Totals :                      3.45421e5  3.40127e5
```

Benzophenone: Sequence #2 – Run #3

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\090F1501.D
 Sample Name: 7

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   15
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 29-May-18, 05:11:10              Inj       :    1
                                                Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\Z5.M
Last changed    : 5/28/2018 2:08:29 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.677	BB S	0.0152	3.15654e5	3.29047e5	90.40201
2	0.794	BB X	0.0224	43.90421	32.70556	0.01257
3	1.050	BV	0.0164	10.55790	9.94851	0.00302
4	1.081	VV	0.0175	75.42033	65.08657	0.02160
5	1.150	VB S	0.0170	1.62739e4	1.37924e4	4.66078
6	5.190	BB	0.1554	1.71092e4	1304.90735	4.90001

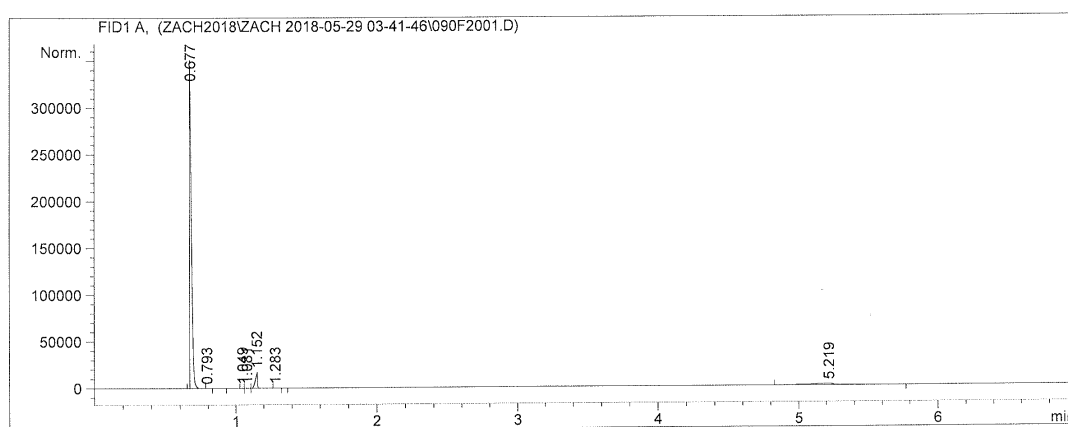
```
Totals :                      3.49167e5  3.44252e5
```

Benzophenone: Sequence #2 – Run #4

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\090F2001.D
 Sample Name: 7

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   20
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 29-May-18, 05:43:24              Inj       :    1
                                                Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\Z5.M
Last changed    : 5/28/2018 2:08:29 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

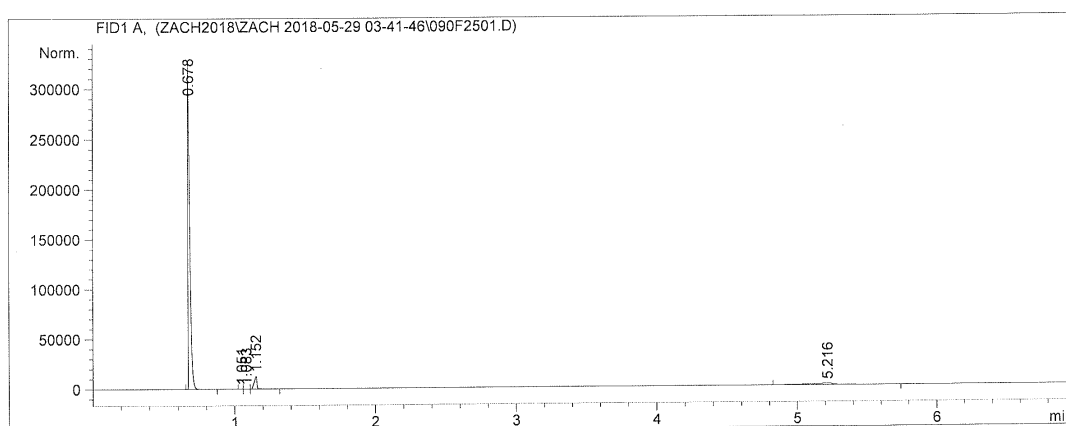
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.677	BB S	0.0151	3.10114e5	3.25491e5	89.62130
2	0.793	BB X	0.0209	29.96580	23.88149	0.00866
3	1.049	BV	0.0147	11.77863	12.80087	0.00340
4	1.081	VV	0.0160	83.22356	81.14011	0.02405
5	1.152	VB S	0.0155	1.79733e4	1.70005e4	5.19420
6	1.283	BB X	0.0182	3.39143	2.63552	0.00098
7	5.219	BB	0.1607	1.78114e4	1382.37842	5.14741

```
Totals :                      3.46027e5  3.43995e5
```

Benzophenone: Sequence #2 – Run #5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\090F2501.D
 Sample Name: 7

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   25
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 29-May-18, 06:15:39              Inj       :    1
                                                Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\Z5.M
Last changed    : 5/28/2018 2:08:29 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.678	BB S	0.0164	3.06084e5	2.89023e5	89.97950
2	1.051	BV	0.0169	9.29878	8.40222	0.00273
3	1.083	VV	0.0231	77.79779	54.39963	0.02287
4	1.152	VB S	0.0192	1.66976e4	1.27994e4	4.90859
5	5.216	BB	0.1503	1.73022e4	1364.50647	5.08631

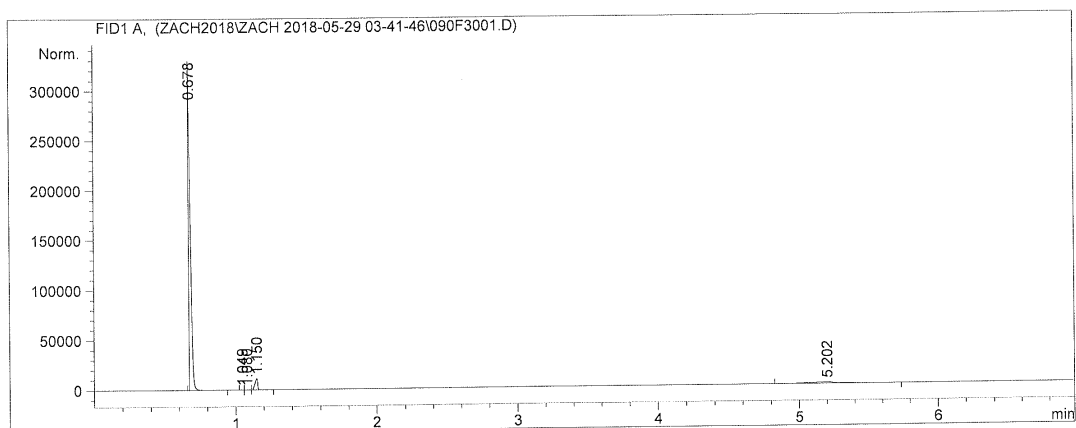
```
Totals :                      3.40171e5  3.03250e5
```

```
=====
*** End of Report ***
=====
```

Benzophenone: Sequence #2 – Run #6

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\090F3001.D
 Sample Name: 7

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   30
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 29-May-18, 06:47:57              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\Z5.M
Last changed    : 5/28/2018 2:08:29 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.678	BB S	0.0163	3.02990e5	2.87208e5	90.56093
2	1.049	BV	0.0181	8.52683	7.45925	0.00255
3	1.080	VV	0.0234	70.36568	48.31543	0.02103
4	1.150	VB S	0.0204	1.51471e4	1.13231e4	4.52734
5	5.202	BB	0.1478	1.63543e4	1319.20630	4.88816

```
Totals :                      3.34571e5  2.99906e5
```

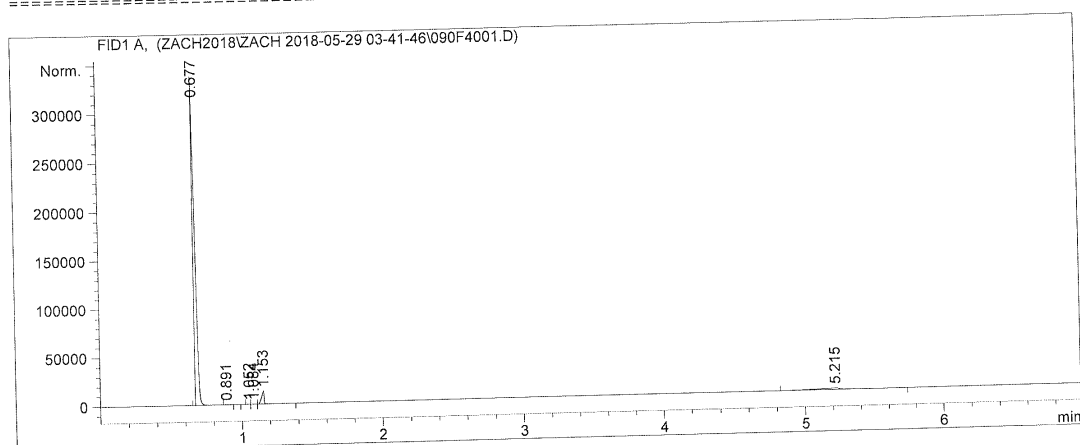
```
=====
*** End of Report ***
```

Benzophenone: Sequence #2 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\090F4001.D
 Sample Name: 7

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   40
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 29-May-18, 07:52:34              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\Z5.M
Last changed    : 5/28/2018 2:08:29 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.677	BB S	0.0143	3.13775e5	3.29826e5	90.47084
2	0.891	BB X	0.0289	4.90646	2.15683	0.00141
3	1.052	BV	0.0159	10.09396	9.28766	0.00291
4	1.084	VV	0.0208	75.67534	57.93088	0.02182
5	1.153	VB S	0.0174	1.58528e4	1.30499e4	4.57085
6	5.215	BB	0.1504	1.71059e4	1417.19287	4.93216

```
Totals :                      3.46824e5  3.44363e5
```

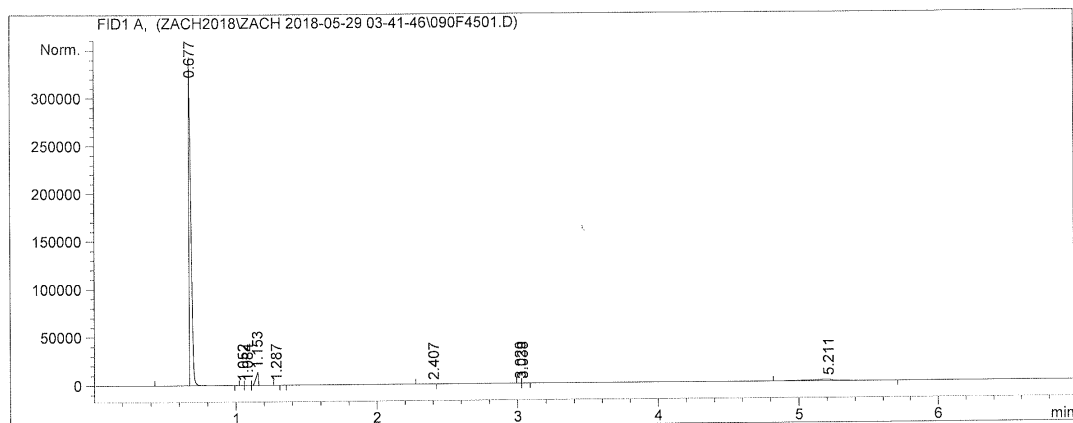
Instrument 1 7/6/2018 10:42:18 PM Zach Taylor

Page 1 of 1

Benzophenone: Sequence #2 – Run #8

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\090F4501.D
 Sample Name: 7

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   45
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 29-May-18, 08:24:46              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\Z5.M
Last changed    : 5/28/2018 2:08:29 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



=====
 Area Percent Report
 =====

Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.677	BB S	0.0155	3.21786e5	3.26702e5	90.42180
2	1.052	BV	0.0166	10.05927	9.43599	0.00283
3	1.084	VV	0.0210	78.19002	59.23218	0.02197
4	1.153	VB S	0.0187	1.65535e4	1.30982e4	4.65151
5	1.287	BB T	0.0146	1.80911	1.73017	0.00051
6	2.407	BV	0.0886	19.13159	2.58919	0.00538
7	3.020	BV	0.0161	1.33803	1.49323	0.00038
8	3.038	VB	0.0184	2.07344	1.44129	0.00058
9	5.211	BB	0.1482	1.74201e4	1449.74182	4.89505

Totals : 3.55873e5 3.41325e5

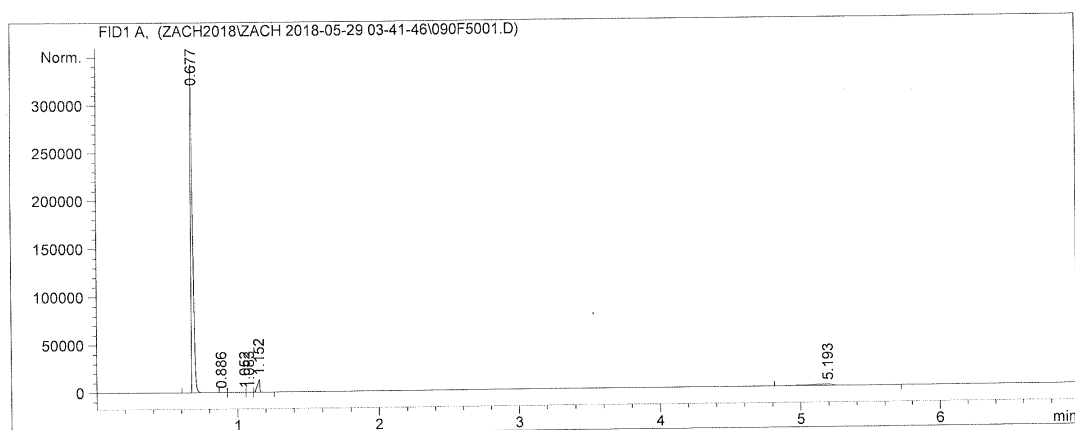
Instrument 1 7/6/2018 10:42:23 PM Zach Taylor

Page 1 of 2

Benzophenone: Sequence #2 – Run #9

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\090F5001.D
Sample Name: 7

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   50
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 29-May-18, 08:56:59              Inj       :    1
                                                Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\Z5.M
Last changed    : 5/28/2018 2:08:29 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.677	BV S	0.0143	3.11253e5	3.28070e5	90.52721
2	0.886	BV X	0.0245	2.19199	1.48893	0.00064
3	1.052	VV T	0.0167	9.35011	8.59428	0.00272
4	1.083	VV T	0.0205	72.17615	56.47997	0.02099
5	1.152	VB S	0.0170	1.56265e4	1.32469e4	4.54494
6	5.193	BB	0.1497	1.68594e4	1411.58862	4.90351

```
Totals :                      3.43823e5  3.42795e5
```

Benzophenone: Sequence #2 – Run #10

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\090F5501.D

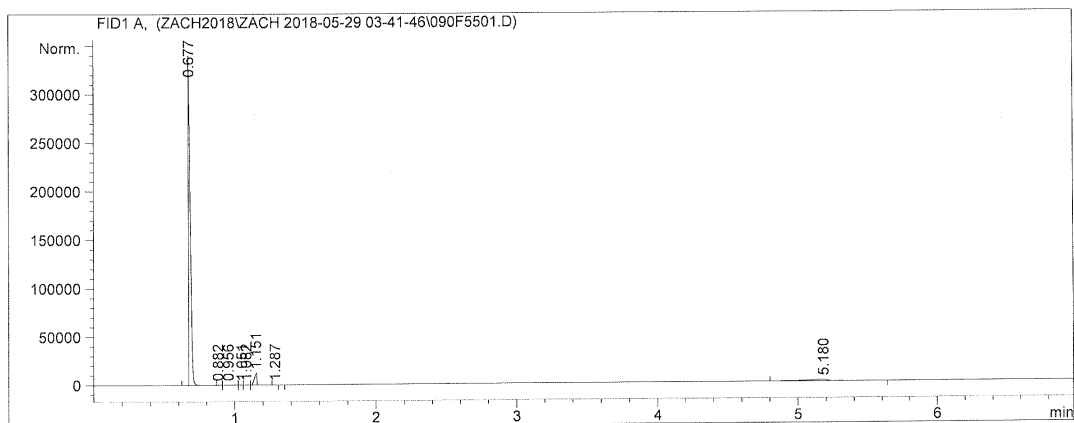
Sample Name: 7

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :   55
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 29-May-18, 09:29:14             Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\Z5.M
Last changed    : 5/28/2018 2:08:29 PM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



```

=====
Area Percent Report
=====

```

```

Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs

```

Signal 1: FID1 A,

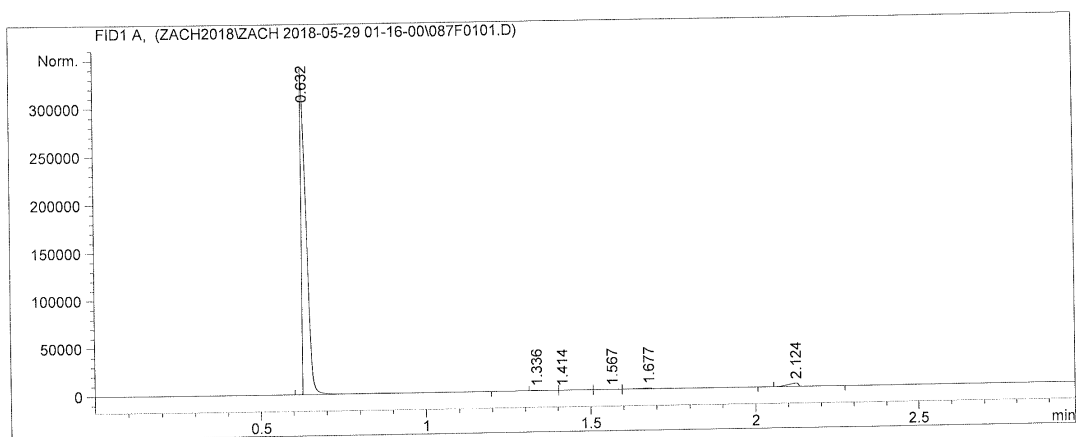
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.677	BV S	0.0144	3.02531e5	3.15074e5	90.65747
2	0.882	BV X	0.0204	1.91201	1.56117	0.00057
3	0.956	VV T	0.0426	4.06031	1.58836	0.00122
4	1.051	VV T	0.0167	9.28462	8.51963	0.00278
5	1.082	VV T	0.0205	68.89703	54.05038	0.02065
6	1.151	VB S	0.0209	1.48443e4	1.19539e4	4.44831
7	1.287	BB T	0.0173	2.07303	1.71555	0.00062
8	5.180	BB	0.1396	1.62462e4	1389.35437	4.86838

```
Totals :                3.33708e5  3.28485e5
```

Ethyl Acetoacetate: Sequence #1 – Run #1

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\087F0101.D
 Sample Name: 3-1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 87
Injection Date  : 29-May-18, 01:16:59              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.632	BB S	0.0192	3.51255e5	3.00507e5	97.01435
2	1.336	BV	0.0235	730.88879	455.79904	0.20187
3	1.414	VV	0.0673	196.23500	35.74316	0.05420
4	1.567	VV	0.0623	155.21074	32.41585	0.04287
5	1.677	VB	0.0454	2436.74731	794.00226	0.67301
6	2.124	BB	0.0300	7290.92529	3485.64844	2.01371

```
Totals :                      3.62065e5  3.05310e5
```

Ethyl Acetoacetate: Sequence #1 – Run #2

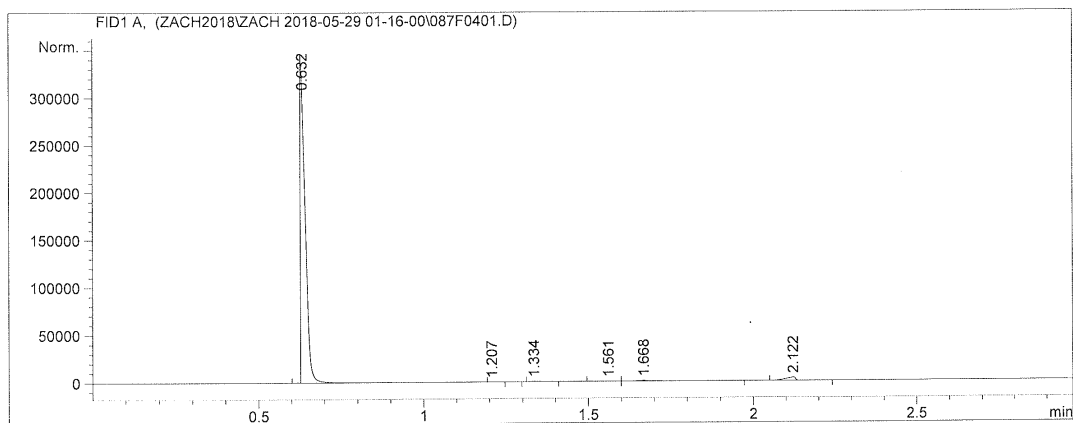
Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\087F0401.D

Sample Name: 3-1

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :    4
Acq. Instrument : Instrument 1                     Location  : Vial 87
Injection Date  : 29-May-18, 01:28:57              Inj       :    1
                                                Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



Area Percent Report

```

=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====

```

Signal 1: FID1 A,

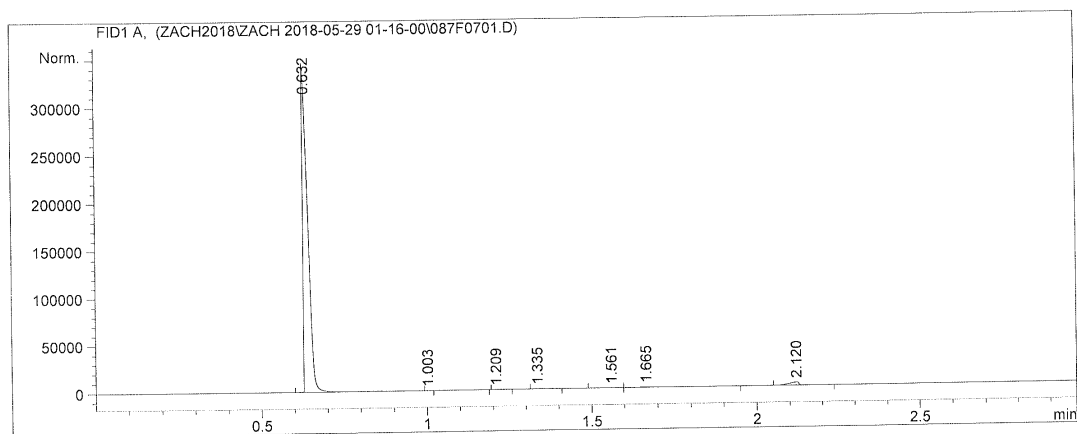
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.632	BB S	0.0182	3.48856e5	3.03924e5	97.53467
2	1.207	BB X	0.0254	3.72390	2.44174	0.00104
3	1.334	BB	0.0220	442.70959	301.05984	0.12377
4	1.561	BV	0.0536	26.67195	6.94186	0.00746
5	1.668	VB	0.0378	1567.86633	597.27740	0.43835
6	2.122	BB	0.0278	6776.86670	3327.88623	1.89471

Totals : 3.57674e5 3.08159e5

Ethyl Acetoacetate: Sequence #1 – Run #3

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\087F0701.D
 Sample Name: 3-1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    7
Acq. Instrument : Instrument 1                     Location  : Vial 87
Injection Date  : 29-May-18, 01:40:56              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.632	BB S	0.0194	3.65206e5	3.08803e5	97.75831
2	1.003	BB X	0.0130	2.90642	3.72533	0.00078
3	1.209	BB	0.0204	4.02878	2.85741	0.00108
4	1.335	BB	0.0210	383.76614	263.57114	0.10273
5	1.561	BV	0.0517	20.62983	5.50250	0.00552
6	1.665	VB	0.0380	1339.06055	520.54871	0.35844
7	2.120	BB	0.0307	6624.13965	3290.91772	1.77315

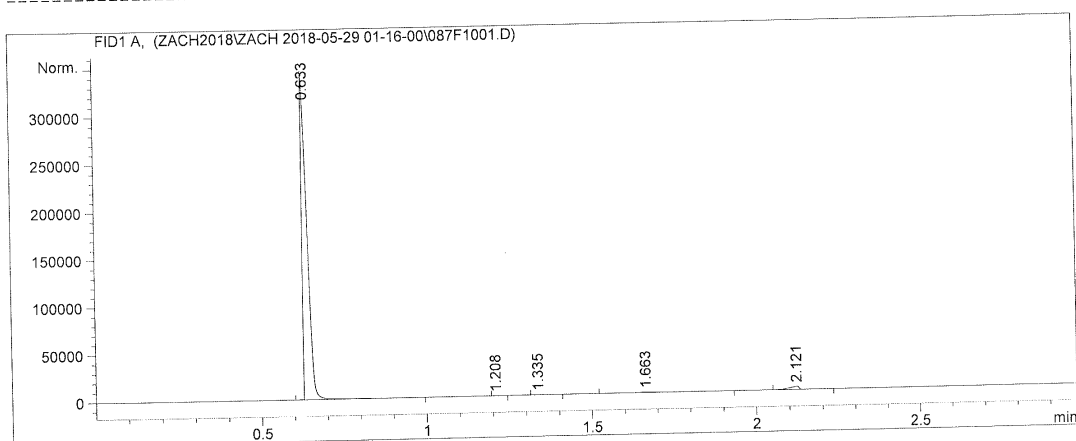
Totals : 3.73580e5 3.12890e5

Ethyl Acetoacetate: Sequence #1 – Run #4

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\087F1001.D
 Sample Name: 3-1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   10
Acq. Instrument : Instrument 1                     Location  : Vial 87
Injection Date  : 29-May-18, 01:52:53              Inj       :    1
                                                Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.633	BB S	0.0184	3.61528e5	3.11248e5	97.82049
2	1.208	BB	0.0198	2.22680	1.73279	0.00060
3	1.335	BB	0.0208	337.78314	234.28969	0.09140
4	1.663	BB	0.0372	1156.34119	450.07211	0.31288
5	2.121	BB	0.0281	6558.77441	3278.25708	1.77464

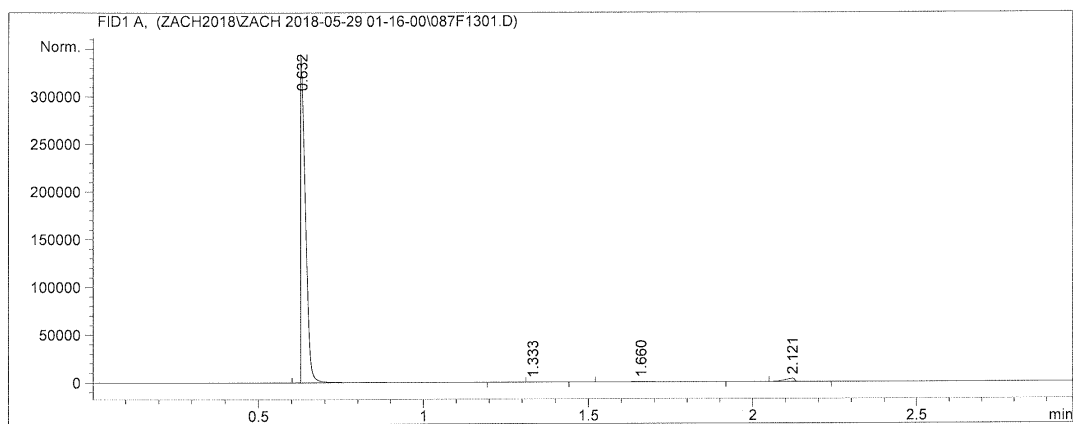
Totals : 3.69583e5 3.15212e5

```
=====
*** End of Report ***
=====
```

Ethyl Acetoacetate: Sequence #1 – Run #5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\087F1301.D
 Sample Name: 3-1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   13
Acq. Instrument : Instrument 1                     Location  : Vial 87
Injection Date  : 29-May-18, 02:04:52              Inj       :    1
                                                Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.632	BB S	0.0178	3.37586e5	3.01878e5	97.60171
2	1.333	BB	0.0222	353.59439	226.33034	0.10223
3	1.660	BB	0.0368	1067.91504	421.41678	0.30875
4	2.121	BB	0.0287	6873.73828	3354.99463	1.98731

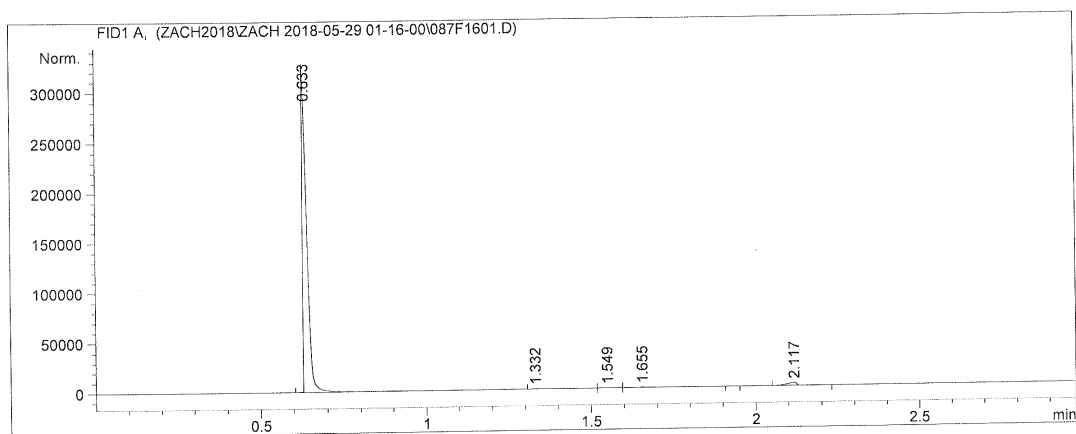
```
Totals :                      3.45881e5  3.05881e5
```

```
=====
*** End of Report ***
```

Ethyl Acetoacetate: Sequence #1 – Run #6

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\087F1601.D
 Sample Name: 3-1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   16
Acq. Instrument : Instrument 1                     Location  : Vial 87
Injection Date  : 29-May-18, 02:16:50              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.633	BB S	0.0149	2.87652e5	2.86573e5	97.64258
2	1.332	BV X	0.0250	342.82712	190.14391	0.11637
3	1.549	VV X	0.0566	41.99278	9.45212	0.01425
4	1.655	VB X	0.0366	857.38660	331.58325	0.29104
5	2.117	BB	0.0297	5702.68018	2955.21484	1.93576

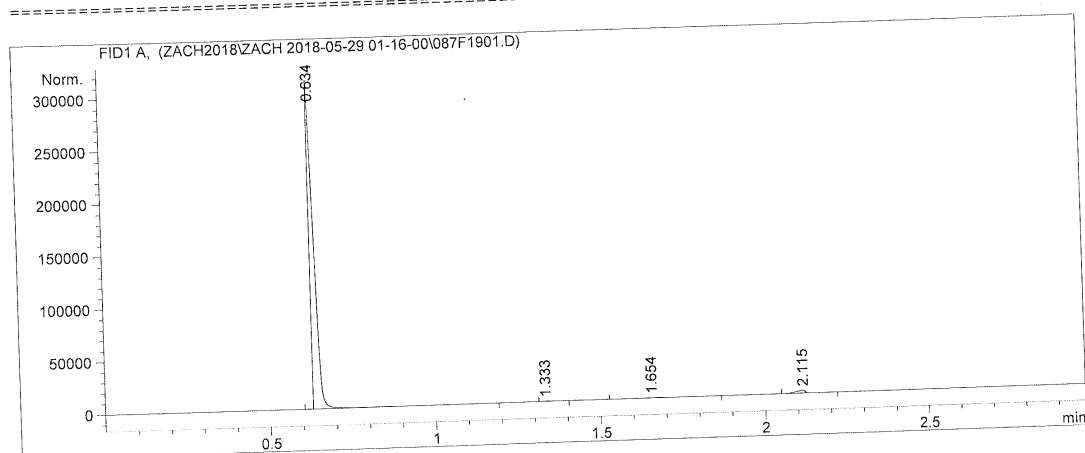
```
Totals :                      2.94596e5  2.90060e5
```

```
=====
                        *** End of Report ***
=====
```


Ethyl Acetoacetate: Sequence #1 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\087F1901.D
 Sample Name: 3-1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   19
Acq. Instrument : Instrument 1                     Location  : Vial 87
Injection Date  : 29-May-18, 02:28:49              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.634	BB S	0.0152	2.79724e5	2.90204e5	97.88178
2	1.333	BB	0.0199	214.28630	156.84534	0.07498
3	1.654	BB	0.0358	662.16370	270.39526	0.23171
4	2.115	BB	0.0285	5176.94727	2731.89868	1.81153

Totals : 2.85777e5 2.93363e5

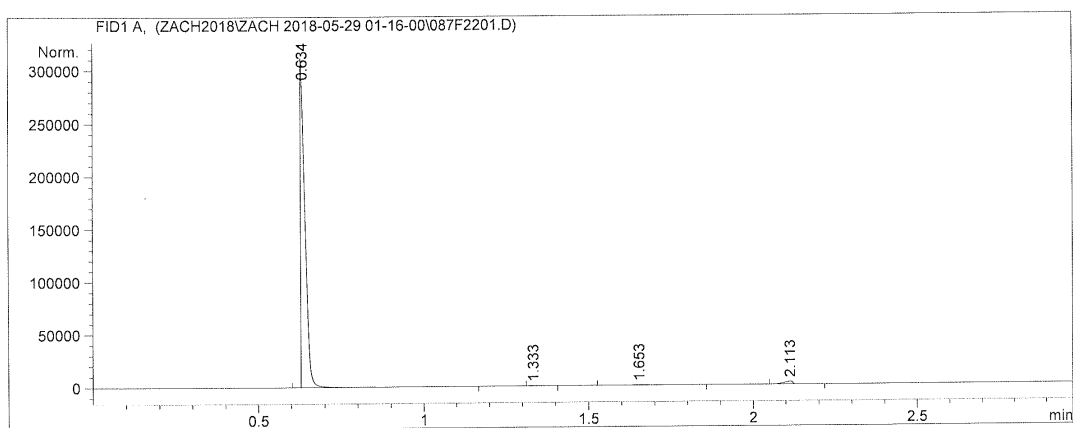
```
=====
*** End of Report ***
=====
```

Ethyl Acetoacetate: Sequence #1 – Run #8

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\087F2201.D
 Sample Name: 3-1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   22
Acq. Instrument : Instrument 1                     Location  : Vial 87
Injection Date  : 29-May-18, 02:40:47              Inj       :    1
                                                Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.634	BB S	0.0155	2.84854e5	2.89723e5	98.03290
2	1.333	BB	0.0218	192.16974	131.98390	0.06614
3	1.653	BB	0.0350	572.81891	233.27696	0.19714
4	2.113	BB	0.0273	4950.81299	2665.30151	1.70383

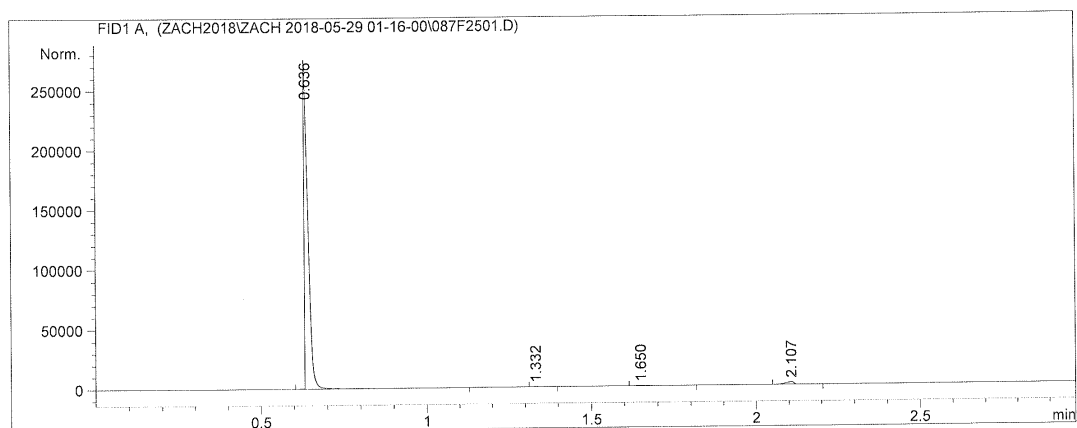
```
Totals :                      2.90570e5  2.92754e5
```

```
=====
*** End of Report ***
```

Ethyl Acetoacetate: Sequence #1 – Run #9

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\087F2501.D
 Sample Name: 3-1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   25
Acq. Instrument : Instrument 1                     Location  : Vial 87
Injection Date  : 29-May-18, 02:52:42              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By       :      Signal
Multiplier      :      1.0000
Dilution        :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.636	BB S	0.0140	2.21230e5	2.39087e5	98.07944
2	1.332	BB	0.0201	138.32327	100.21558	0.06132
3	1.650	BB	0.0336	396.65720	169.92235	0.17585
4	2.107	BB	0.0250	3797.08423	2193.08374	1.68338

Totals : 2.25563e5 2.41551e5

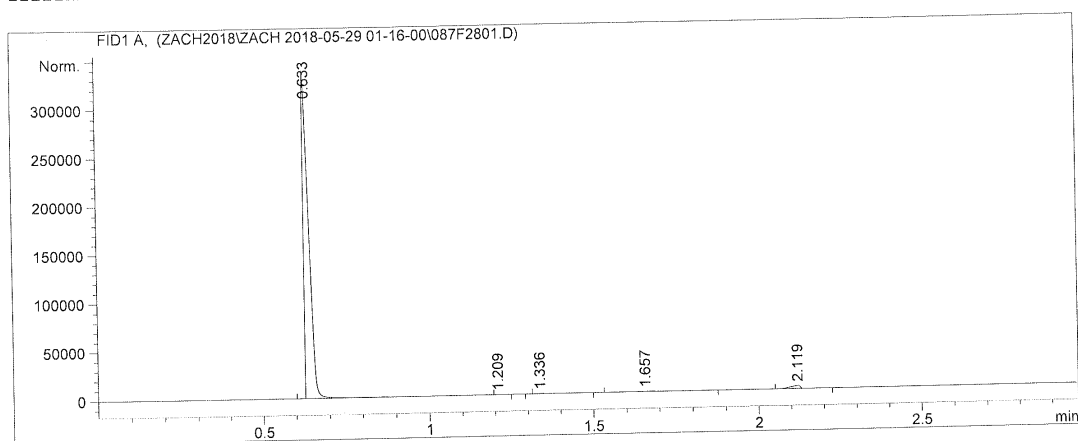
```
=====
*** End of Report ***
=====
```

Ethyl Acetoacetate: Sequence #1 – Run #10

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\087F2801.D
 Sample Name: 3-1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   28
Acq. Instrument : Instrument 1                     Location  : Vial 87
Injection Date  : 29-May-18, 03:04:40              Inj       :    1
                                                Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.633	BB S	0.0196	3.65131e5	3.05251e5	98.05805
2	1.209	BB X	0.0258	2.49507	1.61140	0.00067
3	1.336	BB	0.0280	297.83307	150.00613	0.07998
4	1.657	BB	0.0398	702.84607	251.48163	0.18875
5	2.119	BB	0.0291	6227.89258	3097.03809	1.67254

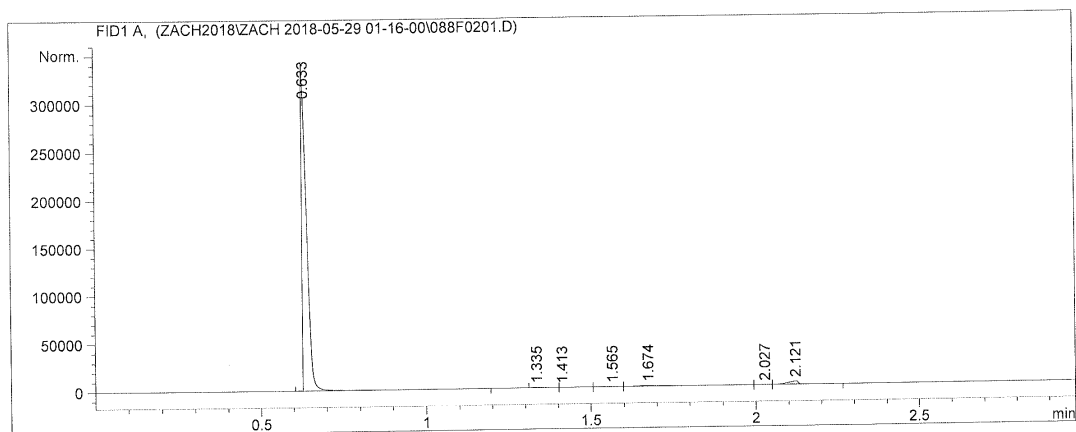
Totals : 3.72362e5 3.08751e5

```
=====
*** End of Report ***
=====
```

Ethyl Acetoacetate: Sequence #2 – Run #1

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\088F0201.D
 Sample Name: 3-2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    2
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 01:20:58              Inj       :    1
                                                Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.633	BB S	0.0179	3.38206e5	3.00822e5	97.09199
2	1.335	BV	0.0236	671.67047	416.11459	0.19282
3	1.413	VV	0.0681	185.00122	33.64618	0.05311
4	1.565	VV	0.0673	154.84901	30.90559	0.04445
5	1.674	VV	0.0455	2288.58276	743.29028	0.65700
6	2.027	VV	0.0273	50.22229	28.04655	0.01442
7	2.121	VB	0.0278	6779.31934	3323.49585	1.94620

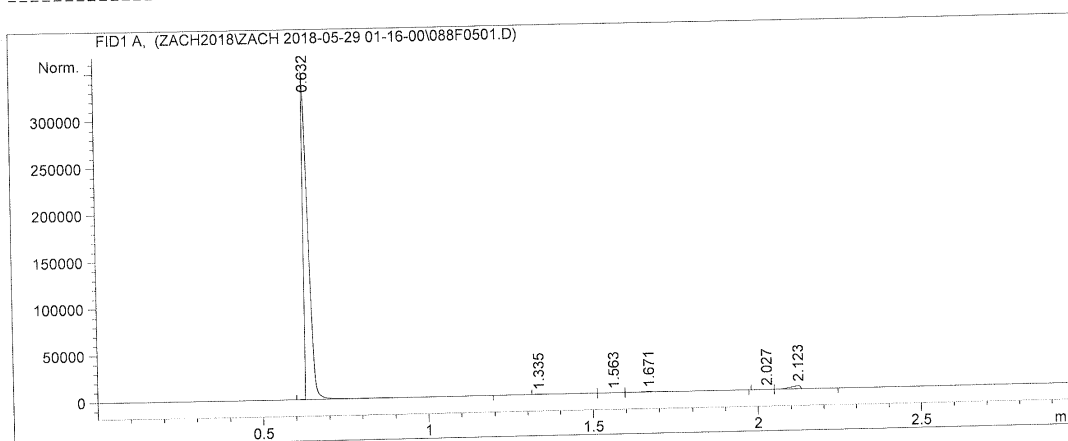
Totals : 3.48336e5 3.05398e5

Ethyl Acetoacetate: Sequence #2 – Run #2

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\088F0501.D
 Sample Name: 3-2

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :    5
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 01:32:57              Inj       :    1
                                              Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
  
```



```

=====
                          Area Percent Report
=====
  
```

```

Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
  
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.632	BB S	0.0170	3.57439e5	3.42250e5	97.32556
2	1.335	BB	0.0272	712.88654	358.58469	0.19411
3	1.563	BV	0.0647	114.92760	24.67886	0.03129
4	1.671	VB	0.0400	1904.92322	661.55365	0.51868
5	2.027	BV	0.0262	43.40149	25.62808	0.01182
6	2.123	VB	0.0285	7046.03223	3465.06104	1.91853

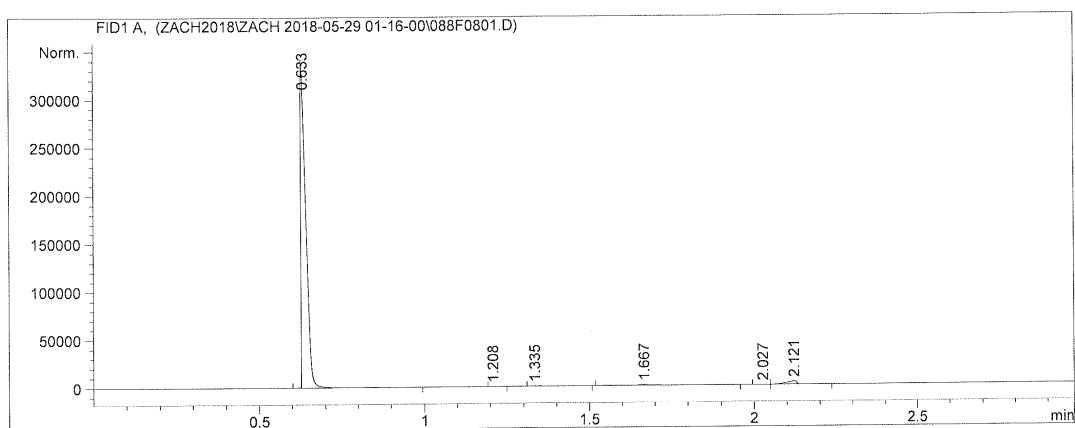
```
Totals :                      3.67261e5  3.46785e5
```

Ethyl Acetoacetate: Sequence #2 – Run #3

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\088F0801.D
 Sample Name: 3-2

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :    8
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 01:44:56              Inj       :    1
                                                Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
  
```



```

=====
                          Area Percent Report
=====
  
```

```

Sorted By           :      Signal
Multiplier          :      1.0000
Dilution            :      1.0000
Use Multiplier & Dilution Factor with ISTDs
  
```

Signal 1: FID1 A,

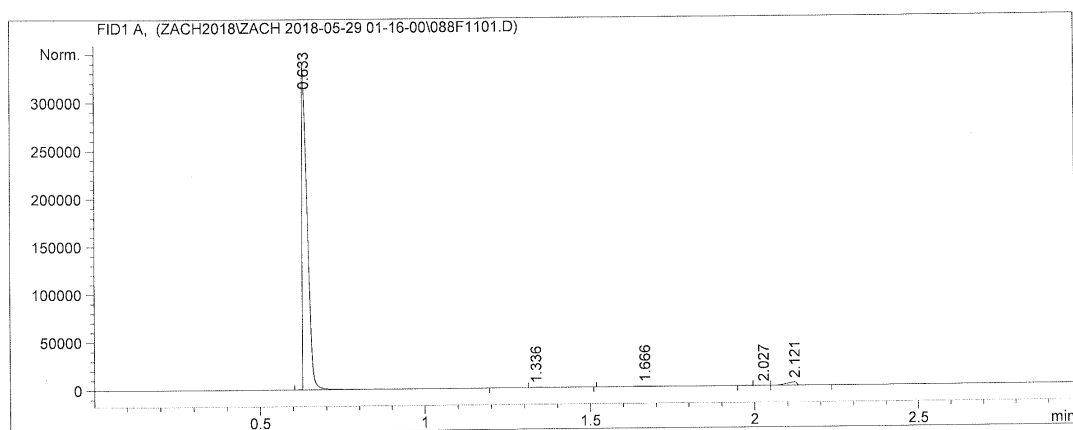
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.633	BB S	0.0182	3.51765e5	3.06020e5	97.47897
2	1.208	BB	0.0203	2.65372	1.90483	0.00074
3	1.335	BB	0.0284	606.69574	300.52014	0.16812
4	1.667	BB	0.0426	1701.86743	574.61273	0.47161
5	2.027	BV	0.0251	34.86682	21.74498	0.00966
6	2.121	VB	0.0276	6751.37451	3339.68823	1.87090

```
Totals :                      3.60862e5  3.10258e5
```

Ethyl Acetoacetate: Sequence #2 – Run #4

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\088F1101.D
 Sample Name: 3-2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line : 11
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 01:56:54              Inj       : 1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.633	BB S	0.0184	3.61372e5	3.09164e5	97.58958
2	1.336	BB	0.0279	557.01538	280.85645	0.15042
3	1.666	BB	0.0415	1537.76123	523.15356	0.41528
4	2.027	BV	0.0252	32.84447	20.36201	0.00887
5	2.121	VB	0.0312	6798.09961	3298.93384	1.83585

```
Totals :                      3.70297e5  3.13287e5
```

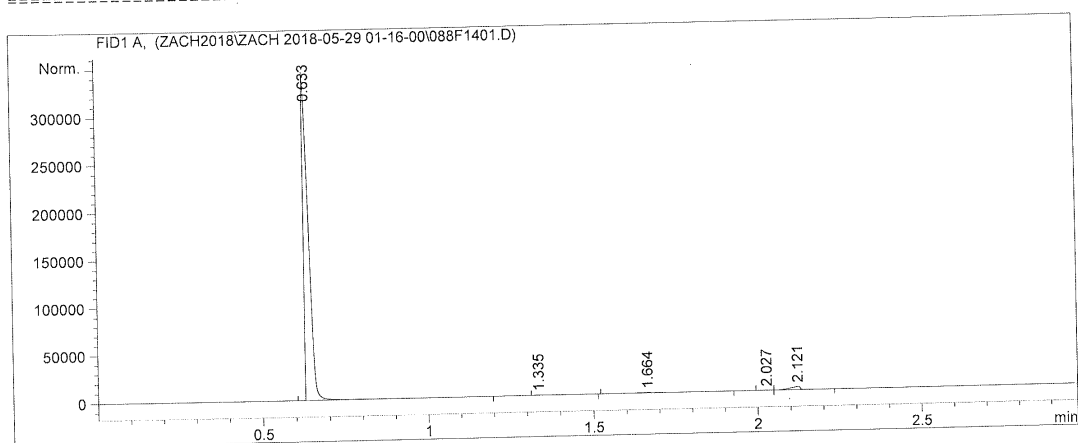
```
=====
*** End of Report ***
```


Ethyl Acetoacetate: Sequence #2 – Run #5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\088F1401.D
 Sample Name: 3-2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   14
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 02:08:51              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By       :      Signal
Multiplier      :      1.0000
Dilution        :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.633	BB S	0.0182	3.56470e5	3.09471e5	97.62021
2	1.335	BB	0.0267	513.68048	264.33282	0.14067
3	1.664	BB	0.0410	1375.61047	475.30164	0.37671
4	2.027	BV	0.0251	31.06654	19.36884	0.00851
5	2.121	VB	0.0302	6769.67773	3317.53833	1.85389

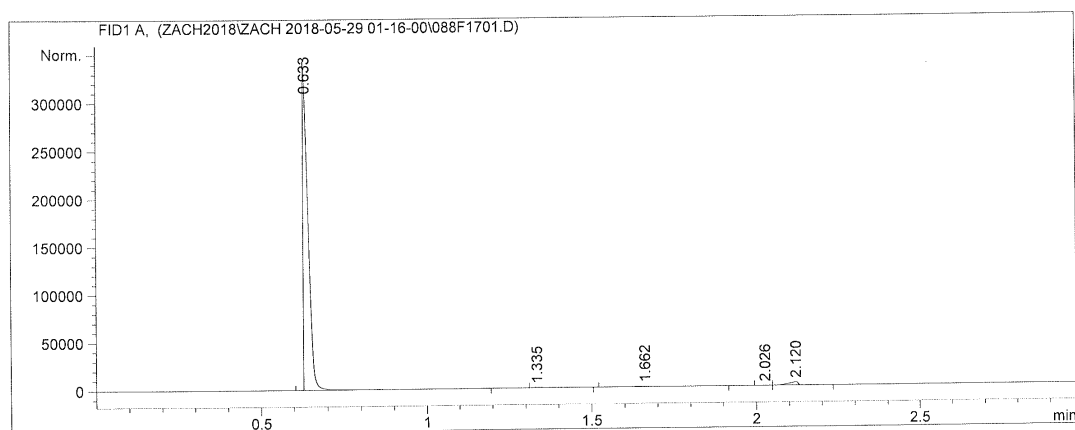
Totals : 3.65160e5 3.13547e5

```
=====
*** End of Report ***
=====
```

Ethyl Acetoacetate: Sequence #2 – Run #6

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\088F1701.D
 Sample Name: 3-2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   17
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 02:20:48              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.633	BB S	0.0182	3.50325e5	3.04879e5	97.66627
2	1.335	BB	0.0278	481.43481	244.65775	0.13422
3	1.662	BB	0.0407	1243.65454	432.96646	0.34672
4	2.026	BV	0.0252	28.93229	17.92442	0.00807
5	2.120	VB	0.0297	6616.96924	3318.09180	1.84473

```
Totals :                      3.58696e5  3.08893e5
```

```
=====
*** End of Report ***
=====
```

Instrument 1 7/6/2018 10:44:20 PM Zach Taylor

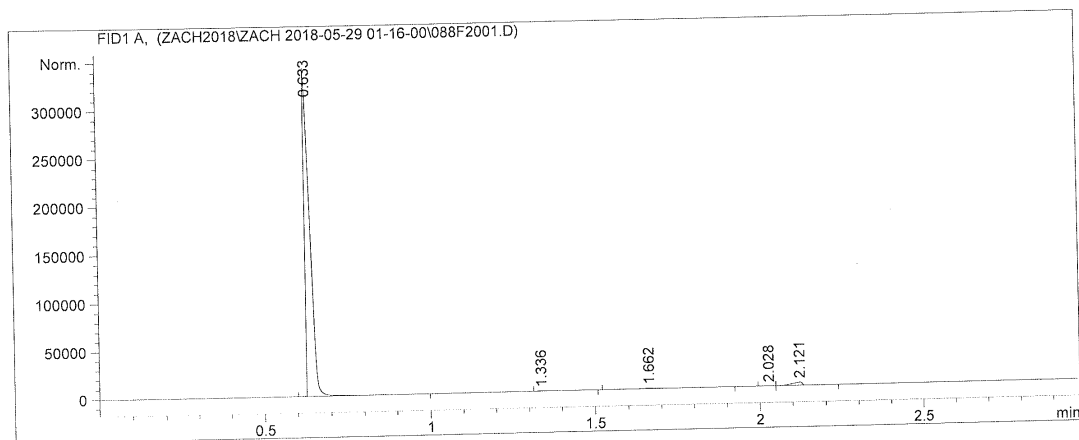
Page 1 of 1

Ethyl Acetoacetate: Sequence #2 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\088F2001.D
 Sample Name: 3-2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   20
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 02:32:49              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



=====
 Area Percent Report
 =====

Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.633	BB S	0.0194	3.64980e5	3.07597e5	97.76073
2	1.336	BB	0.0278	462.85602	234.56978	0.12398
3	1.662	BB	0.0410	1170.15503	403.31607	0.31343
4	2.028	BV	0.0254	27.87754	17.14694	0.00747
5	2.121	VB	0.0302	6699.19824	3290.66406	1.79440

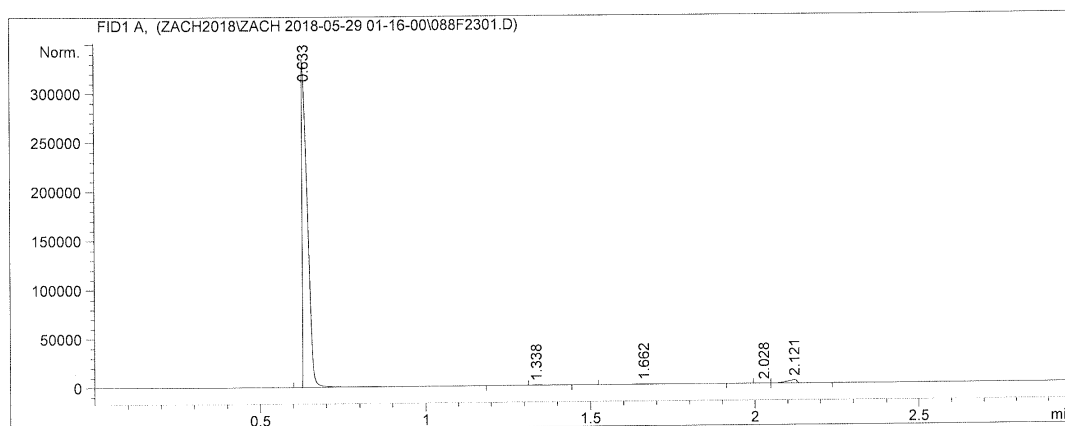
Totals : 3.73340e5 3.11543e5

=====
 *** End of Report ***

Ethyl Acetoacetate: Sequence #2 – Run #8

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\088F2301.D
 Sample Name: 3-2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   23
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 02:44:45              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.633	BB S	0.0204	3.69667e5	3.07530e5	97.85907
2	1.338	BB	0.0230	366.59641	225.42938	0.09705
3	1.662	BB	0.0376	962.00476	369.68030	0.25466
4	2.028	BV	0.0261	26.82313	16.53775	0.00710
5	2.121	VB	0.0296	6732.03760	3267.36621	1.78212

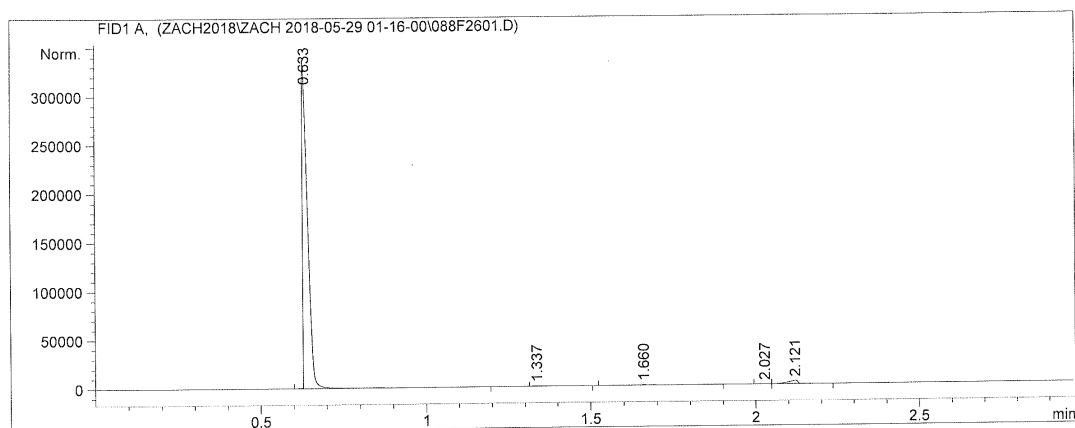
Totals : 3.77754e5 3.11409e5

```
=====
*** End of Report ***
```

Ethyl Acetoacetate: Sequence #2 – Run #9

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\088F2601.D
 Sample Name: 3-2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   26
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 02:56:42              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By           :      Signal
Multiplier           :      1.0000
Dilution             :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.633	BB S	0.0175	3.56878e5	3.07757e5	97.78854
2	1.337	BB	0.0278	413.93091	210.13127	0.11342
3	1.660	BB	0.0408	994.15125	345.66849	0.27241
4	2.027	BV	0.0253	25.56818	15.78189	0.00701
5	2.121	VB	0.0309	6637.04980	3267.42529	1.81863

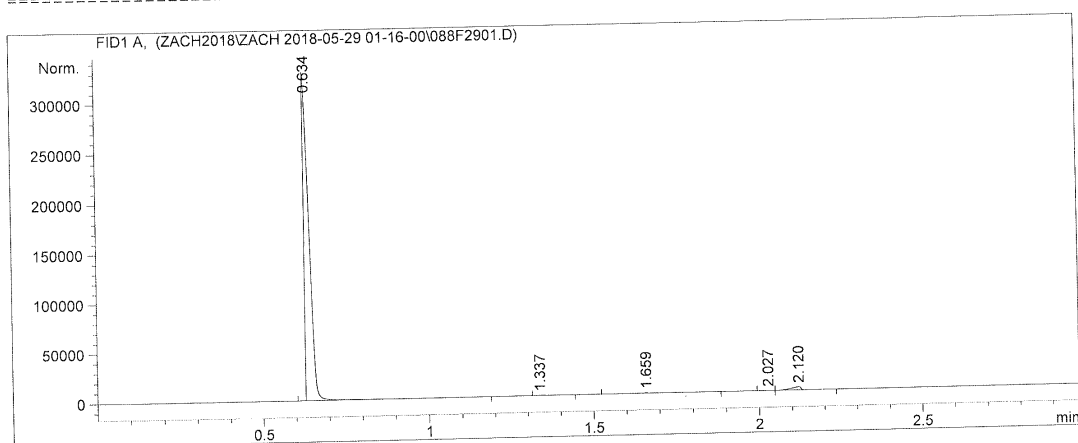
```
Totals :                      3.64948e5  3.11596e5
```

```
=====
*** End of Report ***
=====
```

Ethyl Acetoacetate: Sequence #2 – Run #10

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\088F2901.D
 Sample Name: 3-2

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   29
Acq. Instrument : Instrument 1                      Location  : Vial 88
Injection Date  : 29-May-18, 03:08:38              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.634	BB S	0.0182	3.52869e5	3.07058e5	97.92143
2	1.337	BB	0.0229	297.37372	191.26952	0.08252
3	1.659	BB	0.0363	791.49298	308.36966	0.21964
4	2.027	BV	0.0253	23.89056	14.72183	0.00663
5	2.120	VB	0.0296	6377.56885	3212.33667	1.76978

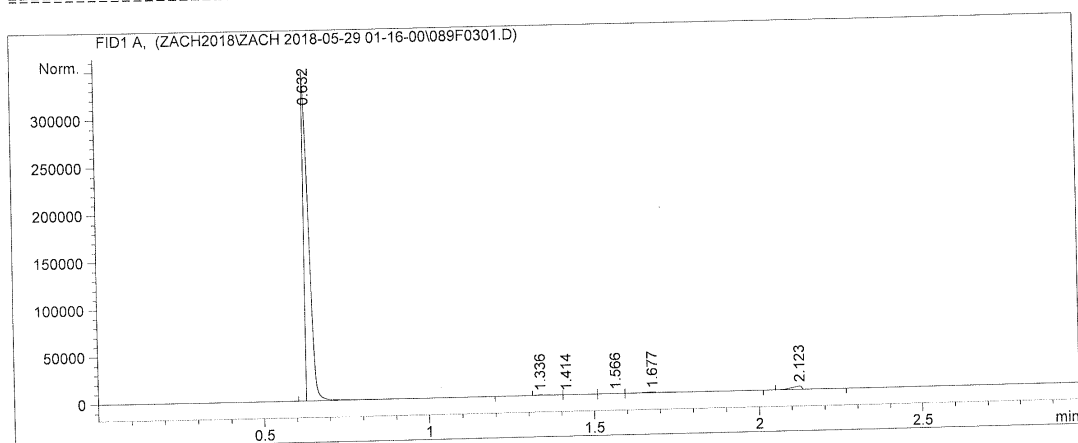
Totals : 3.60360e5 3.10784e5

```
=====
*** End of Report ***
=====
```

Ethyl Acetoacetate: Sequence #3 – Run #1

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\089F0301.D
 Sample Name: 3-3

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    3
Acq. Instrument : Instrument 1                     Location  : Vial 89
Injection Date  : 29-May-18, 01:24:57              Inj       :    1
                                                Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

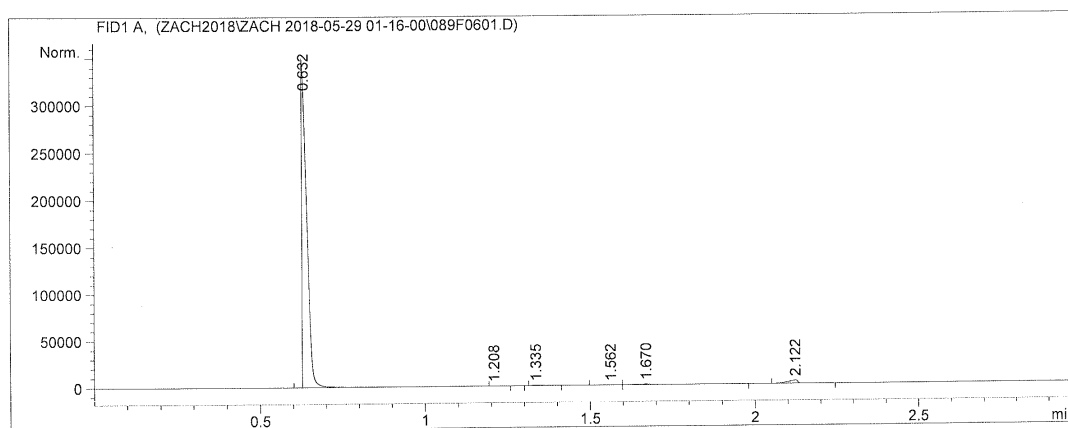
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.632	BB S	0.0183	3.55551e5	3.07944e5	97.08306
2	1.336	BV	0.0236	721.81512	447.78714	0.19709
3	1.414	VV	0.0682	196.72322	35.31287	0.05372
4	1.566	VV	0.0618	147.05771	32.40064	0.04015
5	1.677	VB	0.0430	2445.22095	778.83911	0.66767
6	2.123	BB	0.0305	7171.99219	3477.39087	1.95831

```
Totals :                      3.66233e5  3.12715e5
```

Ethyl Acetoacetate: Sequence #3 – Run #2

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\089F0601.D
 Sample Name: 3-3

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    6
Acq. Instrument : Instrument 1                     Location  : Vial 89
Injection Date  : 29-May-18, 01:36:56              Inj       :    1
                                                Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

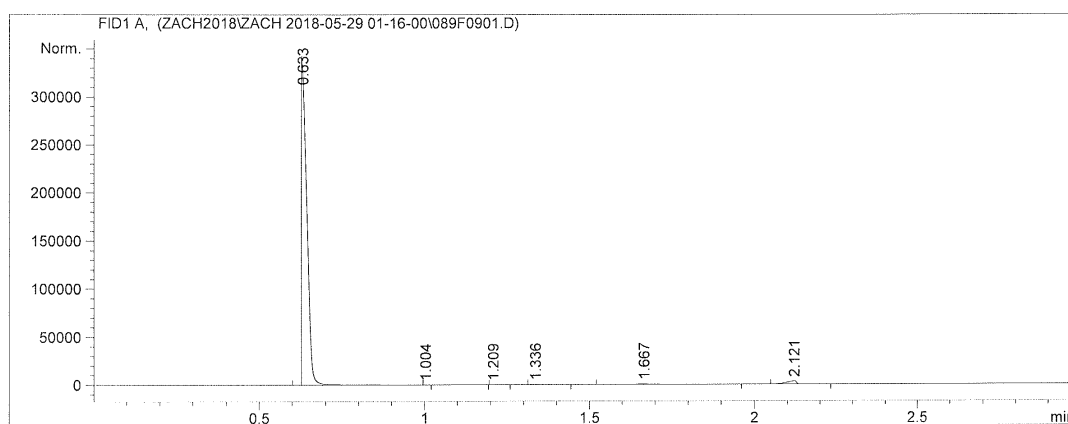
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.632	BB S	0.0184	3.63999e5	3.11310e5	97.59271
2	1.208	BB X	0.0259	4.75657	2.62568	0.00128
3	1.335	BB	0.0207	462.19229	322.51913	0.12392
4	1.562	BV	0.0513	26.96079	7.27196	0.00723
5	1.670	VB	0.0387	1617.42090	615.33057	0.43365
6	2.122	BB	0.0297	6867.32568	3318.24707	1.84122

```
Totals :                      3.72978e5  3.15576e5
```


Ethyl Acetoacetate: Sequence #3 – Run #3

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\089F0901.D
 Sample Name: 3-3

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    9
Acq. Instrument : Instrument 1                     Location  : Vial 89
Injection Date  : 29-May-18, 01:48:53              Inj       :    1
                                                Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

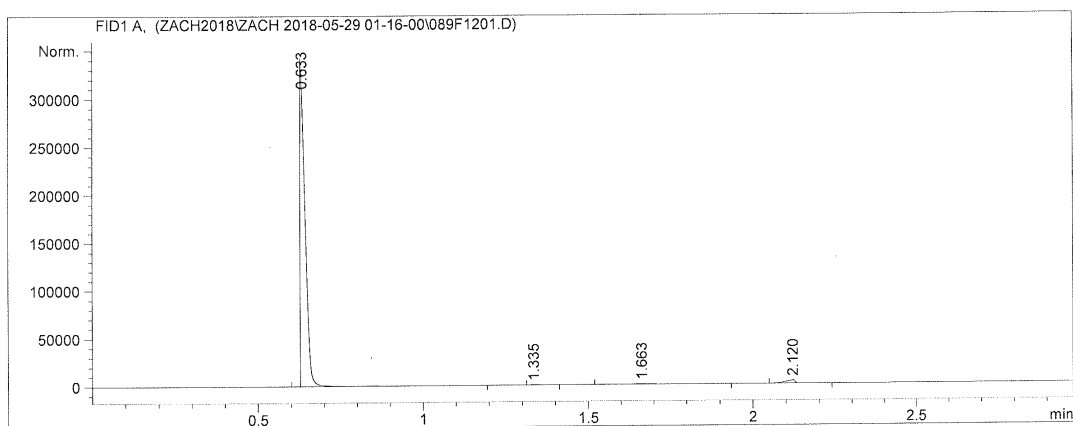
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.633	BB S	0.0196	3.68942e5	3.08450e5	97.70877
2	1.004	BB X	0.0121	1.83205	2.53219	0.00049
3	1.209	BB	0.0210	2.63360	1.89438	0.00070
4	1.336	BB	0.0236	459.24518	285.02258	0.12162
5	1.667	BB	0.0369	1406.51880	538.12769	0.37250
6	2.121	BB	0.0279	6781.32031	3313.33276	1.79593

```
Totals :                      3.77594e5  3.12591e5
```

Ethyl Acetoacetate: Sequence #3 – Run #4

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\089F1201.D
 Sample Name: 3-3

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   12
Acq. Instrument : Instrument 1                     Location  : Vial 89
Injection Date  : 29-May-18, 02:00:54              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.633	BB S	0.0182	3.51937e5	3.05932e5	97.76449
2	1.335	BB	0.0209	361.82794	249.69020	0.10051
3	1.663	BB	0.0375	1201.49280	463.37454	0.33376
4	2.120	BB	0.0320	6484.19580	3264.66772	1.80124

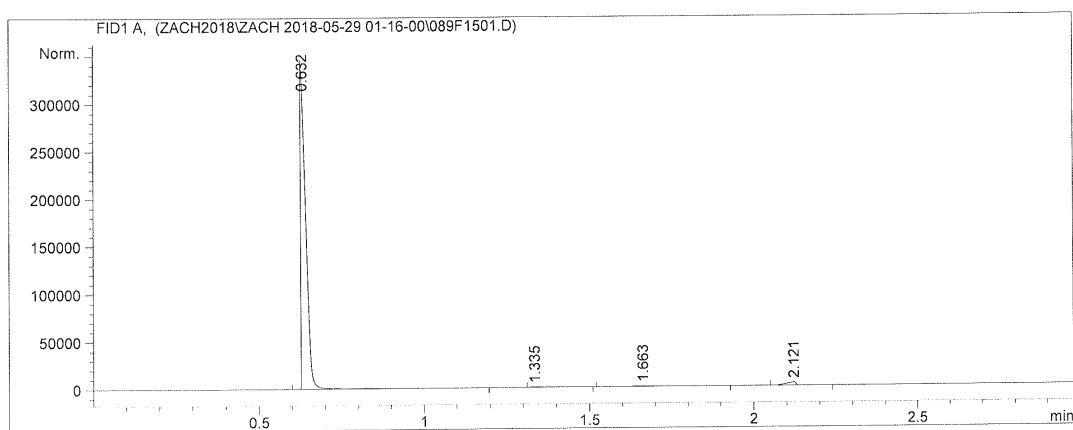
```
Totals :                      3.59985e5  3.09909e5
```

```
=====
*** End of Report ***
=====
```

Ethyl Acetoacetate: Sequence #3 – Run #5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\089F1501.D
 Sample Name: 3-3

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   15
Acq. Instrument : Instrument 1                     Location  : Vial 89
Injection Date  : 29-May-18, 02:12:50              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.632	BB S	0.0185	3.62468e5	3.09171e5	97.65434
2	1.335	BB	0.0269	486.93790	248.18332	0.13119
3	1.663	BB	0.0401	1291.28003	447.27359	0.34789
4	2.121	BB	0.0288	6928.29346	3364.65967	1.86658

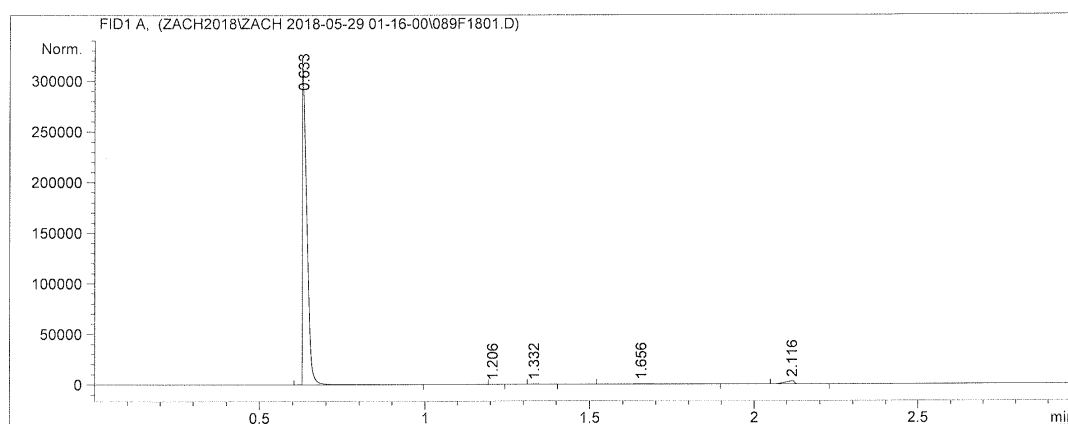
Totals : 3.71175e5 3.13231e5

```
=====
*** End of Report ***
=====
```

Ethyl Acetoacetate: Sequence #3 – Run #6

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\089F1801.D
 Sample Name: 3-3

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   18
Acq. Instrument : Instrument 1                      Location  : Vial 89
Injection Date  : 29-May-18, 02:24:51              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method    : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\Z2.M
Last changed   : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method: C:\CHEM32\1\METHODS\Z4.M
Last changed   : 7/6/2018 9:23:05 PM by Zach Taylor
                (modified after loading)
Method Info    : Alditol lab.
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.633	BB S	0.0159	2.93633e5	2.86705e5	97.79684
2	1.206	BB	0.0210	1.63554	1.24293	0.00054
3	1.332	BB	0.0202	261.86273	188.36046	0.08722
4	1.656	BB	0.0357	821.85333	327.54715	0.27372
5	2.116	BB	0.0271	5529.59766	2895.25122	1.84167

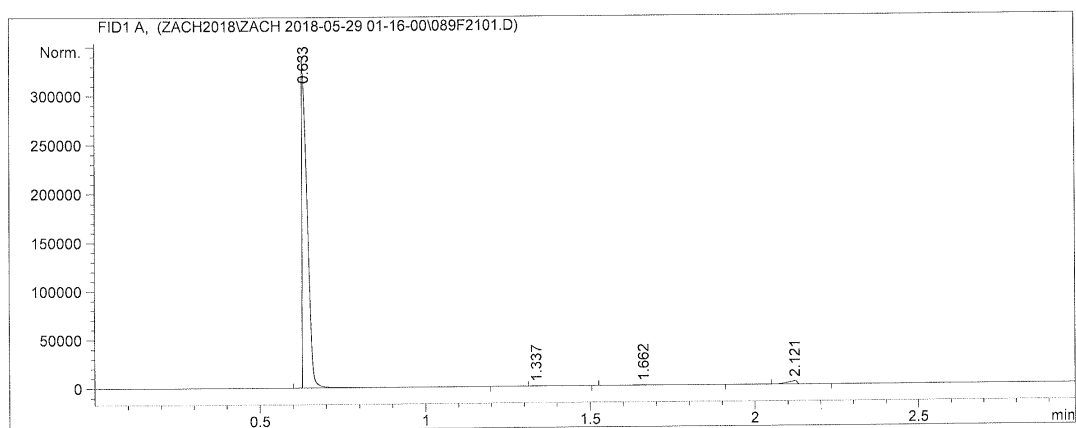
```
Totals :                      3.00248e5  2.90117e5
```

```
=====
                        *** End of Report ***
=====
```

Ethyl Acetoacetate: Sequence #3 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\089F2101.D
 Sample Name: 3-3

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   21
Acq. Instrument : Instrument 1                     Location  : Vial 89
Injection Date  : 29-May-18, 02:36:48              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.633	BB S	0.0205	3.72627e5	3.08234e5	97.84006
2	1.337	BB	0.0274	421.40866	217.08850	0.11065
3	1.662	BB	0.0398	1051.05688	366.99319	0.27597
4	2.121	BB	0.0280	6753.72168	3279.72778	1.77331

```
Totals :                      3.80853e5  3.12098e5
```

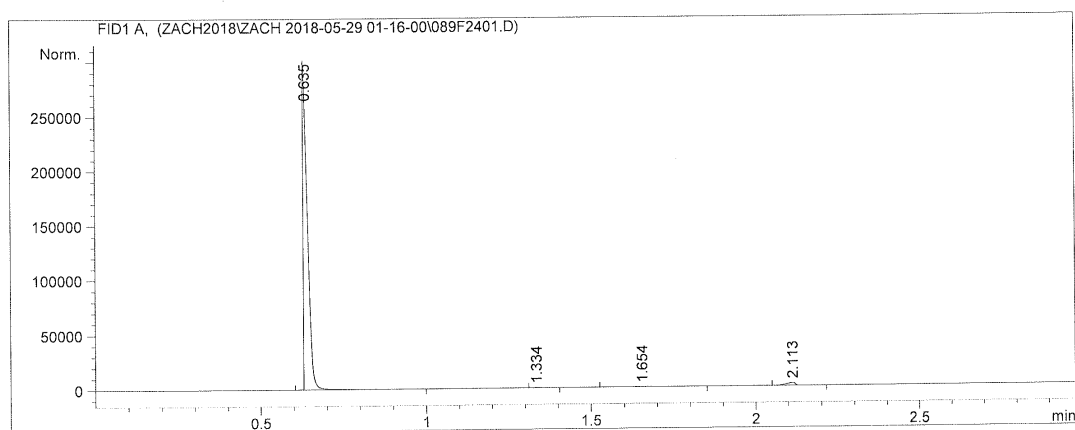
```
=====
*** End of Report ***
=====
```

Ethyl Acetoacetate: Sequence #3 – Run #8

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\089F2401.D
 Sample Name: 3-3

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   24
Acq. Instrument : Instrument 1                     Location  : Vial 89
Injection Date  : 29-May-18, 02:48:44              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.635	BB S	0.0162	2.73215e5	2.60576e5	97.99517
2	1.334	BB	0.0213	208.49861	147.11943	0.07478
3	1.654	BB	0.0350	601.19177	245.27835	0.21563
4	2.113	BB	0.0278	4779.88086	2603.95239	1.71442

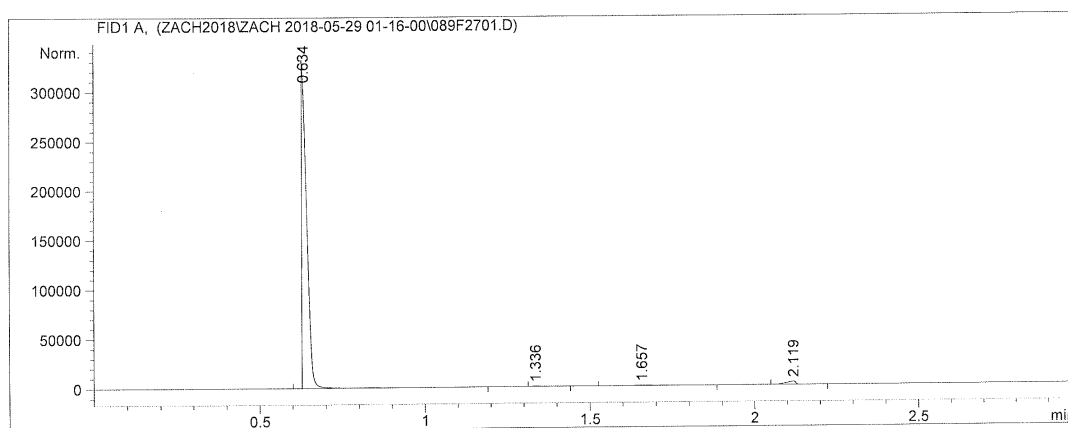
Totals : 2.78805e5 2.63572e5

```
=====
*** End of Report ***
=====
```

Ethyl Acetoacetate: Sequence #3 – Run #9

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\089F2701.D
 Sample Name: 3-3

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   27
Acq. Instrument : Instrument 1                     Location  : Vial 89
Injection Date  : 29-May-18, 03:00:40              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.634	BB S	0.0171	3.41492e5	3.04768e5	97.96389
2	1.336	BB	0.0225	264.74402	174.16054	0.07595
3	1.657	BB	0.0359	719.91095	284.92673	0.20652
4	2.119	BB	0.0289	6113.02197	3060.90381	1.75364

```
Totals :                      3.48590e5  3.08288e5
```

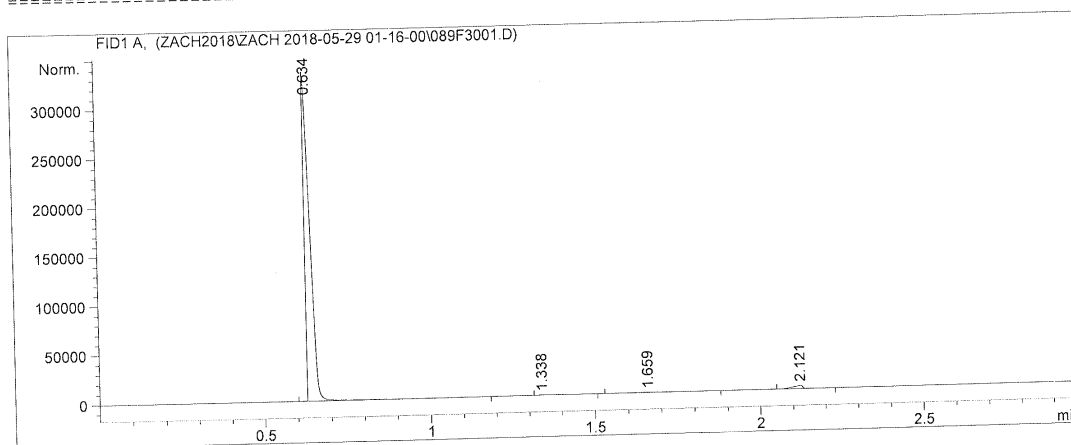
```
=====
*** End of Report ***
=====
```

Ethyl Acetoacetate: Sequence #3 – Run #10

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\089F3001.D
 Sample Name: 3-3

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   30
Acq. Instrument : Instrument 1                     Location  : Vial 89
Injection Date  : 29-May-18, 03:12:38              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 01-16-00\Z2.M
Last changed    : 5/28/2018 4:48:16 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.634	BB S	0.0196	3.69263e5	3.08076e5	97.95133
2	1.338	BB	0.0273	349.77963	175.07471	0.09278
3	1.659	BB	0.0404	811.11511	285.29547	0.21516
4	2.121	BB	0.0319	6562.32129	3201.85083	1.74073

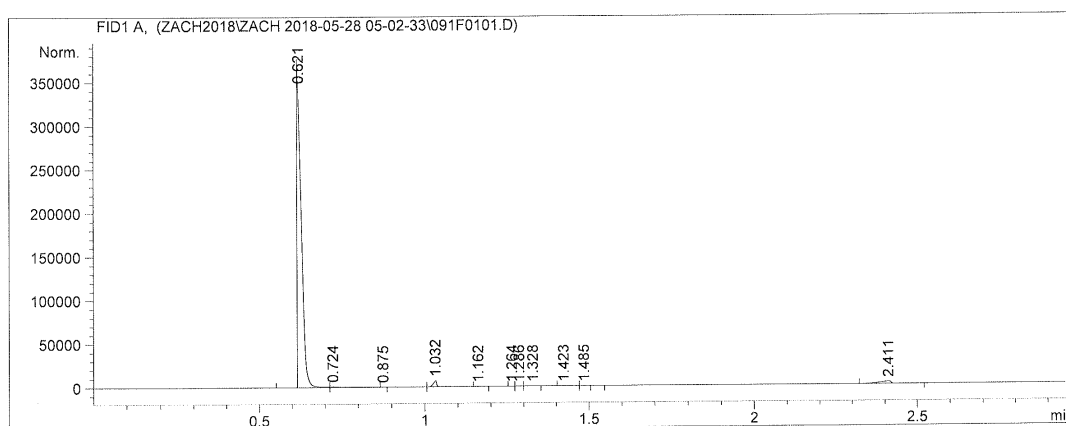
Totals : 3.76986e5 3.11738e5

```
=====
*** End of Report ***
=====
```


Butyl acetate: Sequence #1 – Run #1

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\091F0101.D
 Sample Name: 6

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 91
Injection Date  : 28-May-18, 05:03:35              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\Z1.M
Last changed    : 5/28/2018 4:40:53 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

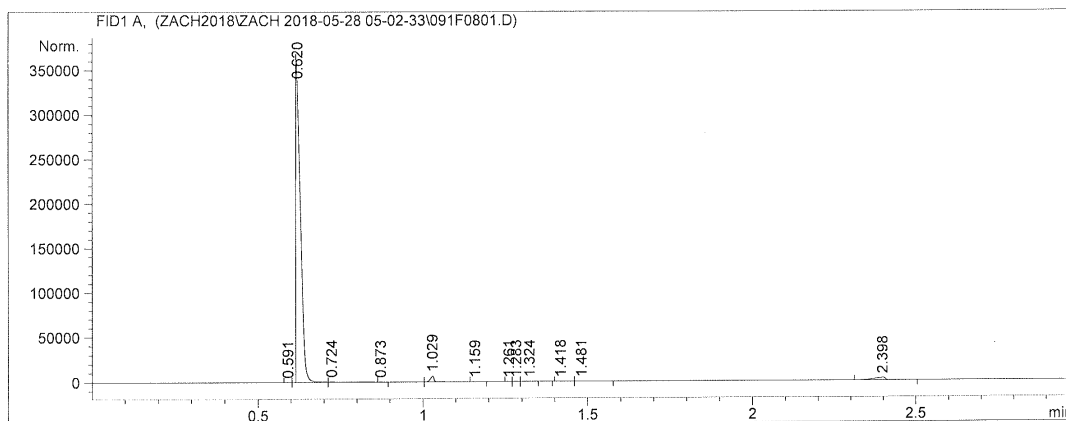
Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.621	BV S	0.0153	3.33241e5	3.43904e5	95.55977
2	0.724	VV S	0.0530	2794.46362	878.39258	0.80134
3	0.875	BB X	8.80e-3	9.78586	17.82619	0.00281
4	1.032	VB S	0.0128	5713.48047	6951.38135	1.63839
5	1.162	BB X	0.0121	24.56829	32.32234	0.00705
6	1.264	BV X	0.0123	1.70391	2.30847	0.00049
7	1.286	VV X	0.0164	6.53496	6.13508	0.00187
8	1.328	VB X	0.0160	33.60059	30.57508	0.00964
9	1.423	BV X	0.0171	21.32366	19.03395	0.00611
10	1.485	VB X	0.0152	2.28306	2.37313	0.00065
11	2.411	BB	0.0329	6876.45313	2858.74756	1.97189

Butyl acetate: Sequence #1 – Run #2

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\091F0801.D
Sample Name: 6

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    8
Acq. Instrument : Instrument 1                     Location  : Vial 91
Injection Date  : 28-May-18, 05:37:08              Inj       :    1
                                                Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\Z1.M
Last changed    : 5/28/2018 4:40:53 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



=====
Area Percent Report
=====

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

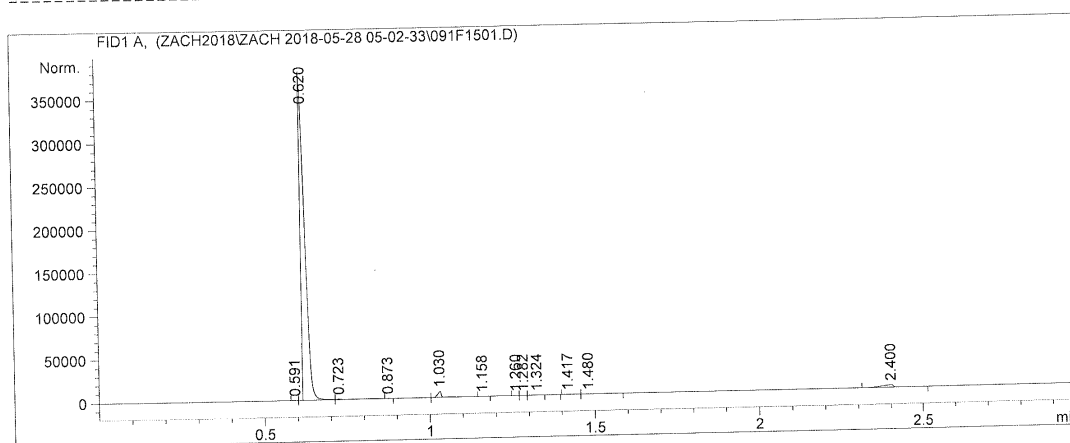
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.591	BV	8.87e-3	10.28078	18.54879	0.00286
2	0.620	VV S	0.0171	3.44943e5	3.36048e5	96.07149
3	0.724	VV S	0.0489	2110.92651	719.18097	0.58792
4	0.873	BB X	0.0102	11.13801	16.58638	0.00310
5	1.029	VB S	0.0126	5277.45361	6549.31738	1.46985
6	1.159	BB X	0.0135	24.38361	30.02680	0.00679
7	1.261	BV X	0.0138	1.70870	2.06256	0.00048
8	1.283	VV X	0.0163	5.88301	5.59974	0.00164
9	1.324	VB X	0.0178	33.47744	28.38302	0.00932
10	1.418	BB	0.0161	18.05481	17.38049	0.00503
11	1.481	BB	0.0168	2.42858	2.20656	0.00068

Butyl acetate: Sequence #1 – Run #3

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\091F1501.D
 Sample Name: 6

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   15
Acq. Instrument : Instrument 1                     Location  : Vial 91
Injection Date  : 28-May-18, 06:10:38              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\Z1.M
Last changed    : 5/28/2018 4:40:53 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.591	BV	8.09e-3	9.42675	19.34163	0.00264
2	0.620	VV S	0.0158	3.42215e5	3.38208e5	95.83924
3	0.723	VV S	0.0496	2324.32690	780.56055	0.65094
4	0.873	BB X	9.24e-3	10.71952	18.28596	0.00300
5	1.030	VB S	0.0125	5502.98730	6915.51367	1.54114
6	1.158	BB X	0.0117	23.41729	32.15455	0.00656
7	1.260	BV X	0.0118	2.04914	2.55363	0.00057
8	1.282	VV X	0.0173	5.88916	5.66247	0.00165
9	1.324	VB X	0.0170	35.05584	31.53797	0.00982
10	1.417	BB	0.0154	18.23515	18.60901	0.00511
11	1.480	BB	0.0119	1.47404	2.18727	0.00041

Instrument 1 7/6/2018 10:48:46 PM Zach Taylor

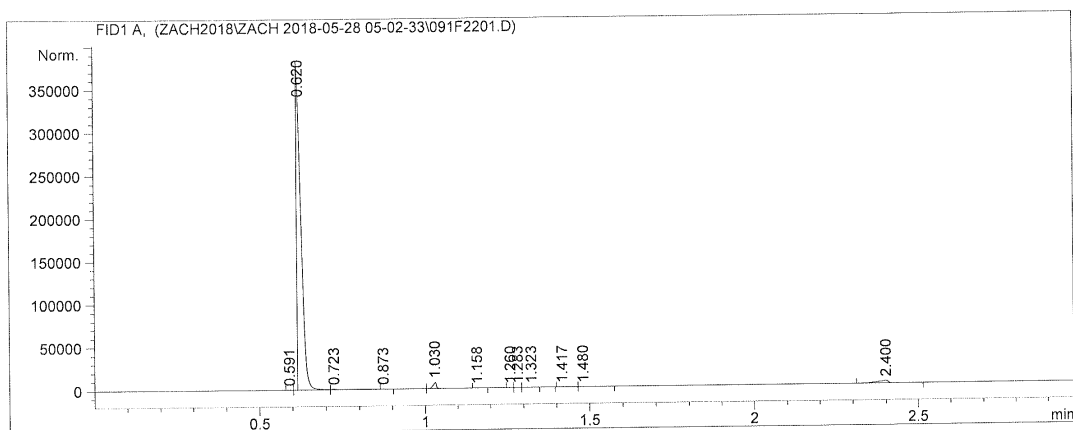
Page 1 of 2

Butyl acetate: Sequence #1 – Run #4

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\091F2201.D
Sample Name: 6

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   22
Acq. Instrument : Instrument 1                     Location  : Vial 91
Injection Date  : 28-May-18, 06:44:06              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\Z1.M
Last changed    : 5/28/2018 4:40:53 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

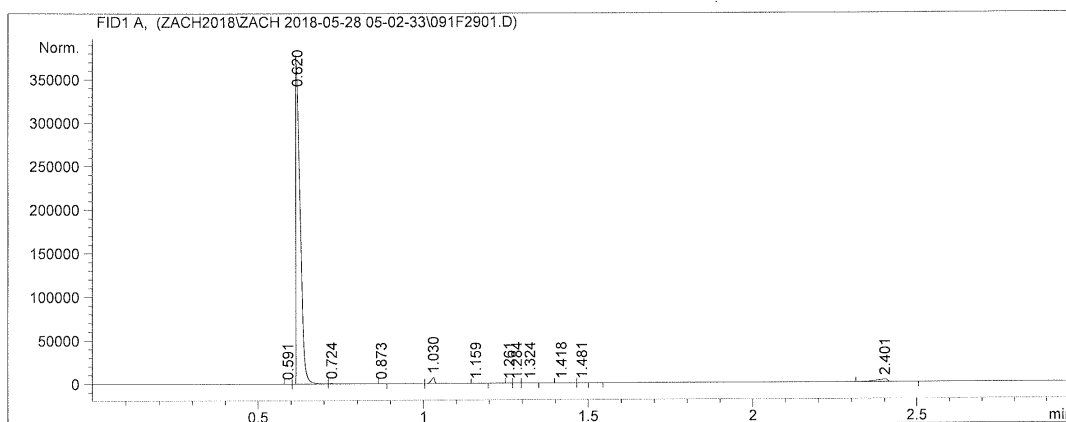
Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.591	BV	8.20e-3	11.50920	23.13983	0.00327
2	0.620	VV S	0.0167	3.37469e5	3.36288e5	95.78283
3	0.723	VV S	0.0490	2329.54785	792.59979	0.66119
4	0.873	BB X	8.00e-3	8.92711	18.60888	0.00253
5	1.030	VB S	0.0124	5491.86768	6996.18604	1.55874
6	1.158	BB X	0.0117	24.31472	33.51717	0.00690
7	1.260	BV X	0.0111	1.94871	2.60470	0.00055
8	1.283	VV X	0.0168	5.84514	5.79631	0.00166
9	1.323	VB X	0.0164	34.09230	32.00182	0.00968
10	1.417	BB	0.0152	18.30237	19.12371	0.00519
11	1.480	BB	0.0175	2.60550	2.25717	0.00074

Butyl acetate: Sequence #1 – Run #5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\091F2901.D
 Sample Name: 6

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   29
Acq. Instrument : Instrument 1                     Location  : Vial 91
Injection Date  : 28-May-18, 07:17:38              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\Z1.M
Last changed    : 5/28/2018 4:40:53 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By           :      Signal
Multiplier          :      1.0000
Dilution            :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

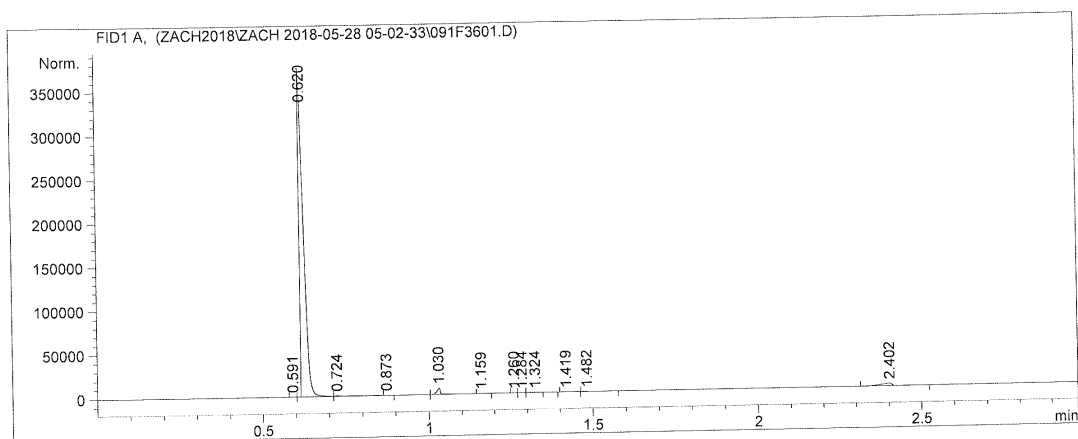
Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.591	BV	8.57e-3	12.56401	23.76904	0.00353
2	0.620	VV S	0.0168	3.40758e5	3.37160e5	95.75959
3	0.724	VV S	0.0483	2295.30664	791.88342	0.64502
4	0.873	BB X	9.38e-3	10.36750	18.42865	0.00291
5	1.030	VB S	0.0130	5671.15430	6768.60791	1.59370
6	1.159	BB X	0.0119	24.46462	32.96812	0.00688
7	1.261	BV X	0.0124	2.16680	2.74608	0.00061
8	1.284	VV X	0.0165	6.13805	5.74816	0.00172
9	1.324	VB X	0.0157	33.99038	31.62903	0.00955
10	1.418	BV X	0.0159	20.24998	19.86093	0.00569
11	1.481	VB X	0.0146	2.38928	2.62346	0.00067

Butyl acetate: Sequence #1 – Run #6

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\091F3601.D
 Sample Name: 6

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   36
Acq. Instrument : Instrument 1                     Location  : Vial 91
Injection Date  : 28-May-18, 07:51:05              Inj       :    1
                                                Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\Z1.M
Last changed    : 5/28/2018 4:40:53 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.591	BV	8.63e-3	11.36514	21.27430	0.00322
2	0.620	VV S	0.0169	3.37645e5	3.32118e5	95.71210
3	0.724	VV S	0.0482	2338.48804	808.48572	0.66289
4	0.873	BB X	9.22e-3	11.25461	19.26573	0.00319
5	1.030	VB S	0.0119	5574.84473	6847.86035	1.58030
6	1.159	BB X	0.0119	24.96929	33.35322	0.00708
7	1.260	BV X	0.0125	1.87123	2.48777	0.00053
8	1.284	VV X	0.0162	5.63964	5.39308	0.00160
9	1.324	VB X	0.0167	34.97144	32.08714	0.00991
10	1.419	BB	0.0155	19.10177	19.33216	0.00541
11	1.482	BB	0.0154	2.23135	2.28559	0.00063

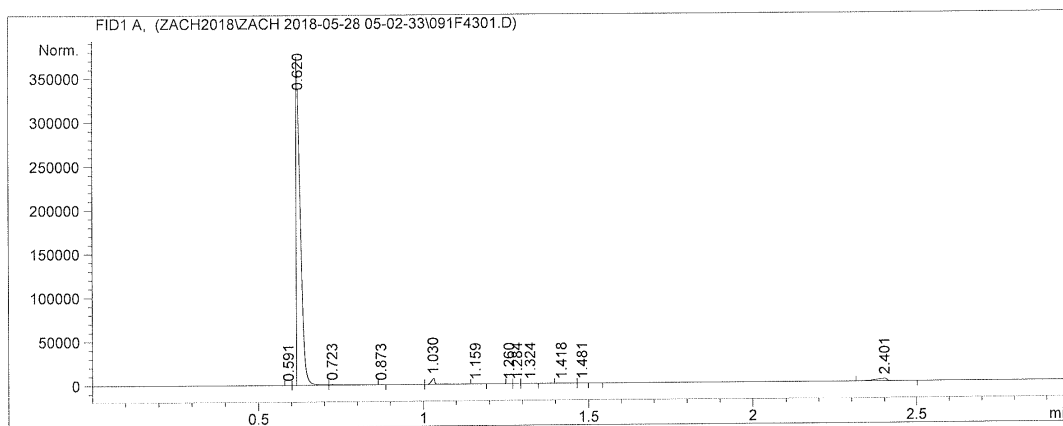
Instrument 1 7/6/2018 10:48:58 PM Zach Taylor

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Butyl acetate: Sequence #1 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\091F4301.D
 Sample Name: 6

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line : 43
Acq. Instrument : Instrument 1                     Location  : Vial 91
Injection Date  : 28-May-18, 08:24:38              Inj       : 1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\Z1.M
Last changed    : 5/28/2018 4:40:53 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By           : Signal
Multiplier          : 1.0000
Dilution            : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

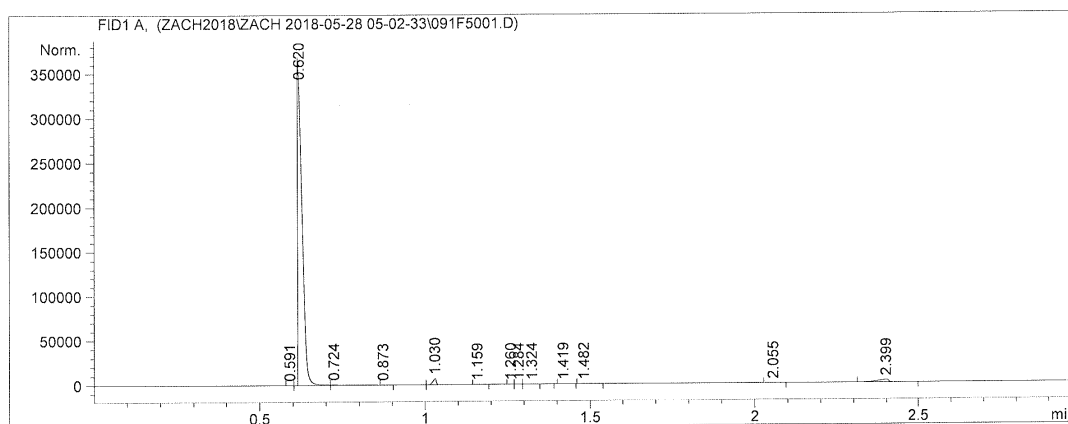
Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.591	BV	8.18e-3	10.49336	21.16415	0.00309
2	0.620	VV S	0.0146	3.24585e5	3.31831e5	95.58758
3	0.723	VV S	0.0489	2425.79321	827.43445	0.71438
4	0.873	BB X	8.60e-3	9.45412	18.32570	0.00278
5	1.030	VB S	0.0129	5603.42822	6771.01025	1.65016
6	1.159	BB X	0.0109	24.21711	33.15110	0.00713
7	1.260	BV X	0.0119	1.77362	2.38312	0.00052
8	1.284	VV X	0.0152	4.97171	5.17546	0.00146
9	1.324	VB X	0.0163	33.36481	31.65457	0.00983
10	1.418	BV X	0.0158	19.89141	19.62097	0.00586
11	1.481	VB X	0.0142	2.07404	2.36352	0.00061

Butyl acetate: Sequence #1 – Run #8

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\091F5001.D
Sample Name: 6

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   50
Acq. Instrument : Instrument 1                     Location  : Vial 91
Injection Date  : 28-May-18, 08:58:07              Inj       :    1
                                                Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\Z1.M
Last changed    : 5/28/2018 4:40:53 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By           :      Signal
Multiplier          :      1.0000
Dilution            :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

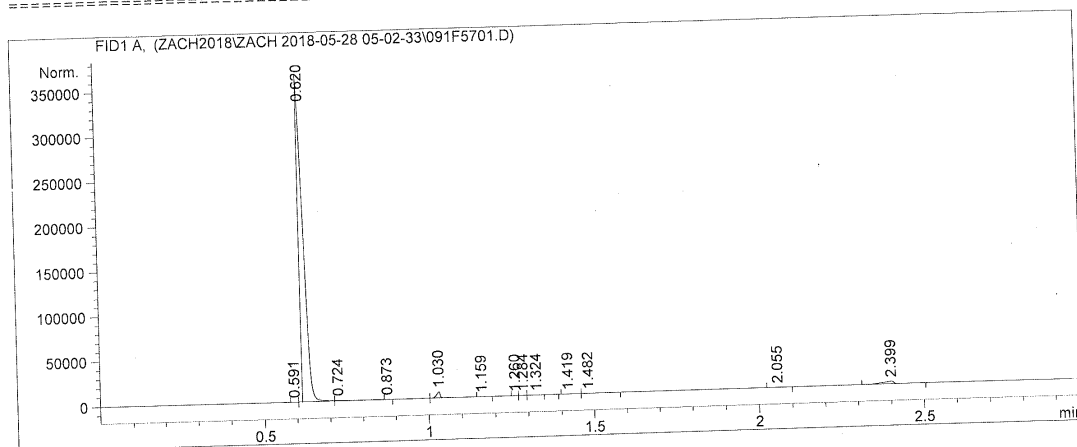
Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.591	BV	8.89e-3	12.02827	21.62791	0.00337
2	0.620	VV S	0.0168	3.42603e5	3.38984e5	95.95936
3	0.724	VV S	0.0464	2228.25269	800.65076	0.62411
4	0.873	BB X	9.55e-3	9.58725	16.72736	0.00269
5	1.030	VB S	0.0128	5350.41455	6535.94922	1.49859
6	1.159	BB X	0.0125	24.71338	30.96488	0.00692
7	1.260	BV X	0.0132	1.69444	2.13303	0.00047
8	1.284	VV X	0.0161	5.65006	5.43427	0.00158
9	1.324	VB X	0.0175	34.18801	29.46508	0.00958
10	1.419	BB	0.0158	18.52176	18.24447	0.00519
11	1.482	BB	0.0190	3.10955	2.41234	0.00087

Butyl acetate: Sequence #1 – Run #9

ata File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\091F5701.D
 ample Name: 6

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line : 57
Acq. Instrument : Instrument 1                     Location  : Vial 91
Injection Date  : 28-May-18, 09:31:40              Inj       : 1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\Z1.M
Last changed    : 5/28/2018 4:40:53 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.591	BV	9.03e-3	13.20701	23.25712	0.00380
2	0.620	VV S	0.0168	3.32676e5	3.30627e5	95.84348
3	0.724	VV S	0.0457	2203.11865	803.04614	0.63472
4	0.873	BB X	9.87e-3	9.89960	16.72084	0.00285
5	1.030	VB S	0.0126	5344.59570	6634.82373	1.53977
6	1.159	BB X	0.0123	23.32949	30.07394	0.00672
7	1.260	BV X	0.0128	1.93540	2.36358	0.00056
8	1.284	VV X	0.0159	5.64359	5.51494	0.00163
9	1.324	VB X	0.0173	33.65392	29.56991	0.00970
10	1.419	BB	0.0167	18.55254	18.22004	0.00534
11	1.482	BB	0.0167	2.55698	2.34475	0.00074

Instrument 1 7/6/2018 10:49:10 PM Zach Taylor

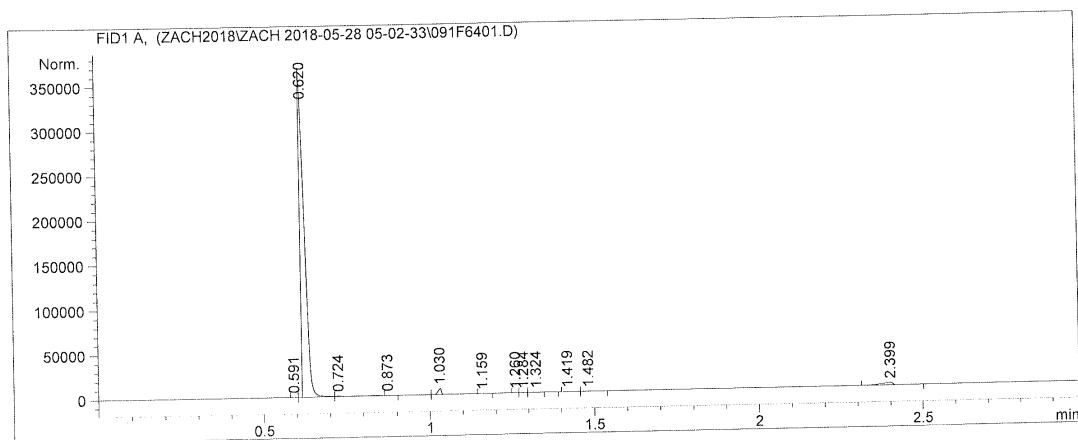
Page 1 of 2

Butyl acetate: Sequence #1 – Run #10

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\091F6401.D
 Sample Name: 6

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   64
Acq. Instrument : Instrument 1                     Location  : Vial 91
Injection Date  : 28-May-18, 10:05:08              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\Z1.M
Last changed    : 5/28/2018 4:40:53 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.591	BV	8.76e-3	14.57854	26.75569	0.00419
2	0.620	VV S	0.0169	3.33978e5	3.29252e5	95.90952
3	0.724	VV S	0.0450	2216.57739	820.82428	0.63654
4	0.873	BB X	8.92e-3	9.39980	16.82553	0.00270
5	1.030	VB S	0.0124	5246.75195	6635.54932	1.50673
6	1.159	BB X	0.0122	23.91436	30.88668	0.00687
7	1.260	BV X	0.0125	1.58499	2.11102	0.00046
8	1.284	VV X	0.0158	5.18075	5.13108	0.00149
9	1.324	VB X	0.0169	32.65939	29.46239	0.00938
10	1.419	BB	0.0156	18.11787	18.19423	0.00520
11	1.482	BB	0.0190	2.84194	2.20597	0.00082

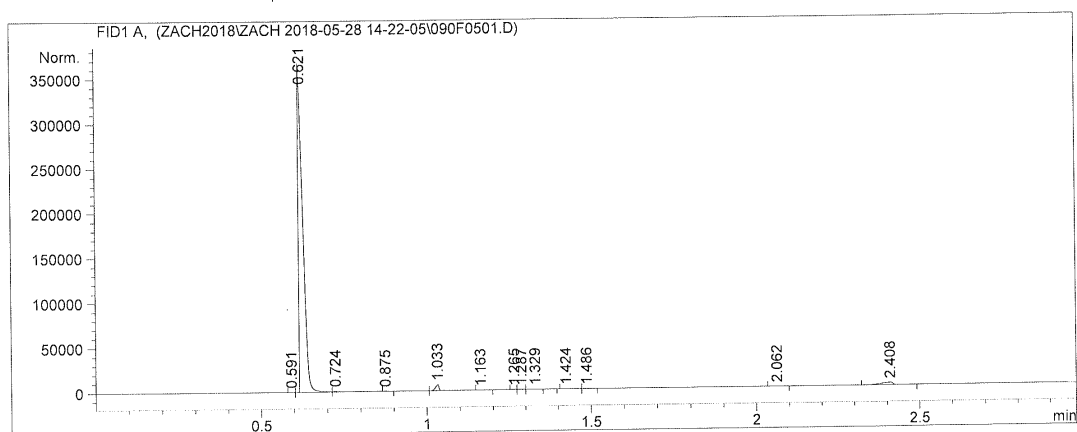
Instrument 1 7/6/2018 10:49:13 PM Zach Taylor

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Butyl acetate: Sequence #2 – Run #1

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\090F0501.D
Sample Name: 6

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    5
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 28-May-18, 14:42:55              Inj       :    1
                                                Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z1.M
Last changed    : 5/28/2018 4:40:53 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.591	BV	9.20e-3	6.57619	11.29005	0.00186
2	0.621	VV S	0.0156	3.38904e5	3.40282e5	95.91536
3	0.724	VV S	0.0479	2488.17432	866.36536	0.70419
4	0.875	BB X	0.0100	10.51254	16.10946	0.00298
5	1.033	VB S	0.0122	5169.25293	6687.05225	1.46298
6	1.163	BB X	0.0125	24.14829	30.33625	0.00683
7	1.265	BV X	0.0129	1.69326	2.19521	0.00048
8	1.287	VV X	0.0165	7.04772	6.56718	0.00199
9	1.329	VB X	0.0176	33.44275	28.65471	0.00946
10	1.424	BV	0.0174	20.58378	17.87270	0.00583
11	1.486	VB	0.0160	2.30068	2.23214	0.00065

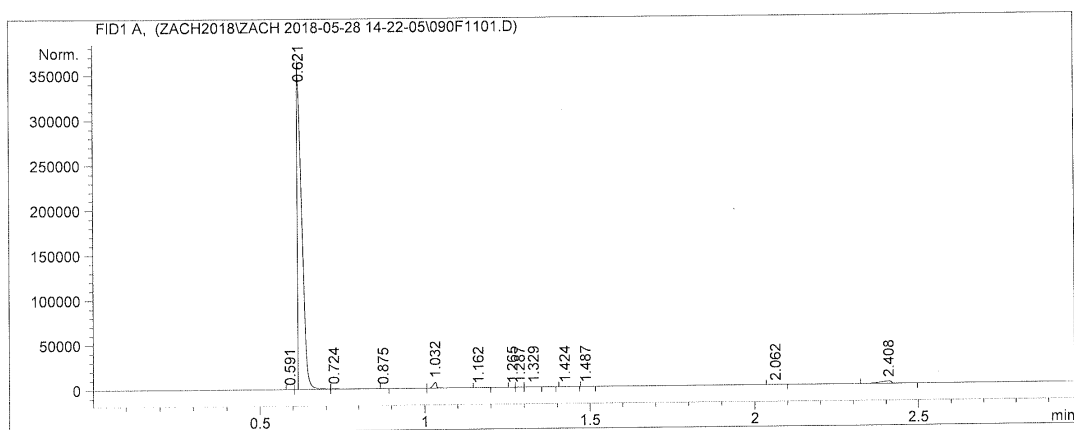
Instrument 1 7/6/2018 10:49:51 PM Zach Taylor

Page 1 of 2

Butyl acetate: Sequence #2 – Run #2

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\090F1101.D
Sample Name: 6

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   11
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 28-May-18, 15:15:57              Inj       :    1
                                                Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z1.M
Last changed    : 5/28/2018 4:40:53 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

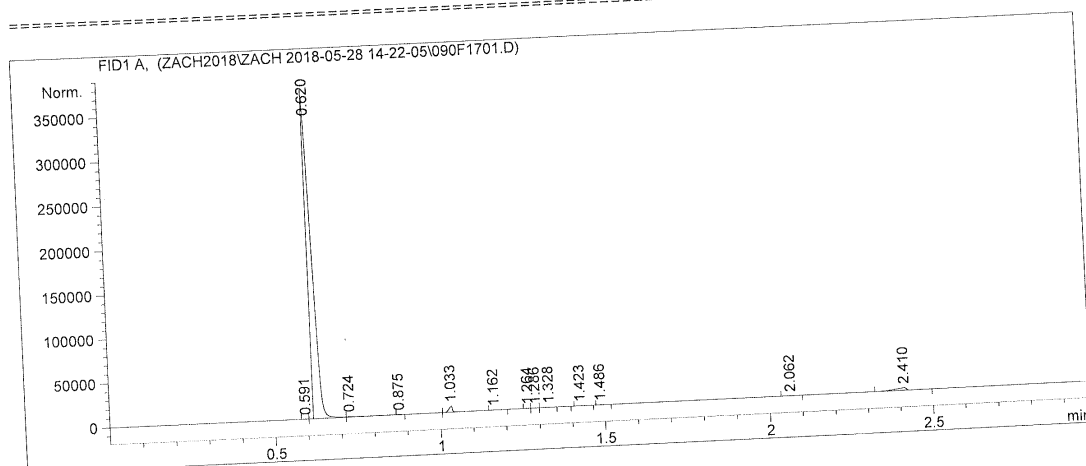
Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.591	BV	9.08e-3	11.61011	20.28138	0.00331
2	0.621	VV S	0.0166	3.36378e5	3.37749e5	95.99366
3	0.724	VV S	0.0484	2448.12769	843.37830	0.69863
4	0.875	BB X	9.79e-3	10.23923	16.16017	0.00292
5	1.032	VB S	0.0121	5033.63818	6628.43848	1.43647
6	1.162	BB X	0.0125	23.67246	29.83627	0.00676
7	1.265	BV X	0.0130	1.73662	2.22879	0.00050
8	1.287	VV X	0.0165	6.63559	6.21237	0.00189
9	1.329	VB X	0.0176	32.32826	27.69460	0.00923
10	1.424	BB	0.0160	18.17366	17.73579	0.00519
11	1.487	BB	0.0164	2.51805	2.37105	0.00072

Butyl acetate: Sequence #2 – Run #3

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\090F1701.D
 Sample Name: 6

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   17
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 28-May-18, 15:49:04              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z1.M
Last changed    : 5/28/2018 4:40:53 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

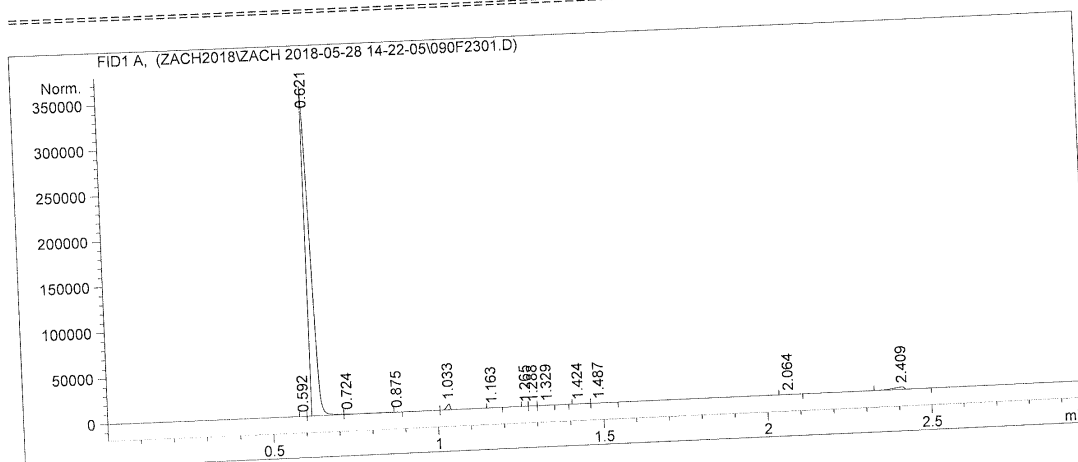
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.591	BV	8.77e-3	8.01885	14.68281	0.00226
2	0.620	VV S	0.0167	3.39189e5	3.38063e5	95.79231
3	0.724	VV S	0.0468	2466.22461	878.74280	0.69650
4	0.875	BB X	9.39e-3	10.81151	18.05788	0.00305
5	1.033	VB S	0.0121	5345.48145	6969.64844	1.50965
6	1.162	BB X	0.0122	25.46490	32.95208	0.00719
7	1.264	BV X	0.0128	1.92719	2.50208	0.00054
8	1.286	VV X	0.0167	6.80090	6.22709	0.00192
9	1.328	VB X	0.0174	34.92922	30.52077	0.00986
10	1.423	BB	0.0156	19.39926	19.46791	0.00548
11	1.486	BB	0.0166	2.70045	2.49688	0.00076

Instrument 1 7/6/2018 10:50:01 PM Zach Taylor

Butyl acetate: Sequence #2 – Run #4

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\090F2301.D
 Sample Name: 6

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   23
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 28-May-18, 16:22:07              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z1.M
Last changed    : 5/28/2018 4:40:53 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

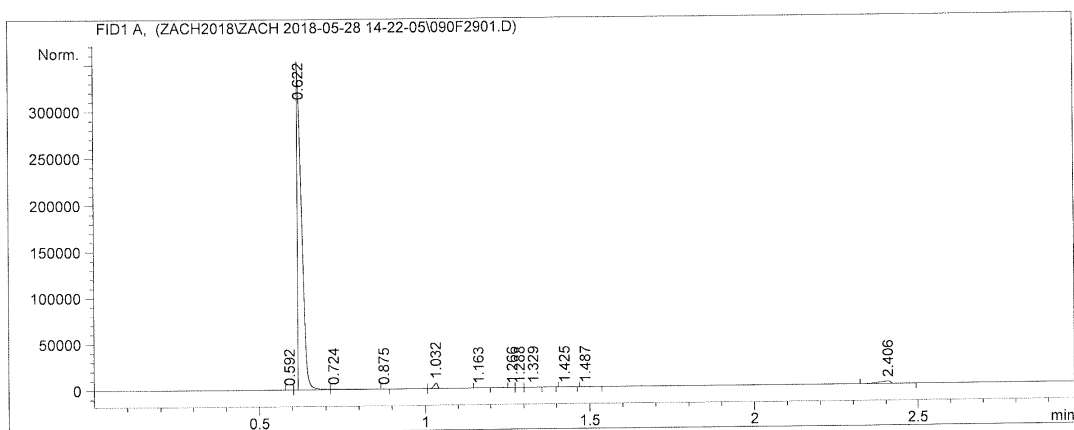
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.592	BV	9.18e-3	7.58813	13.05881	0.00223
2	0.621	VV S	0.0152	3.27025e5	3.41526e5	95.97199
3	0.724	VV S	0.0477	2304.49561	805.89264	0.67630
4	0.875	BB X	9.72e-3	9.80847	15.62522	0.00288
5	1.033	VB S	0.0123	4925.63770	6293.71484	1.44553
6	1.163	BB X	0.0123	22.80245	29.12527	0.00669
7	1.265	BV X	0.0114	1.56420	2.02258	0.00046
8	1.288	VV X	0.0177	6.13735	5.76737	0.00180
9	1.329	VB X	0.0177	31.70590	26.99455	0.00930
10	1.424	BB	0.0159	17.78257	17.41950	0.00522
11	1.487	BB	0.0185	2.58412	2.08406	0.00076

Instrument 1 7/6/2018 10:50:04 PM Zach Taylor

Butyl acetate: Sequence #2 – Run #5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\090F2901.D
 Sample Name: 6

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   29
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 28-May-18, 16:55:09              Inj       :    1
                                                Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z1.M
Last changed    : 5/28/2018 4:40:53 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

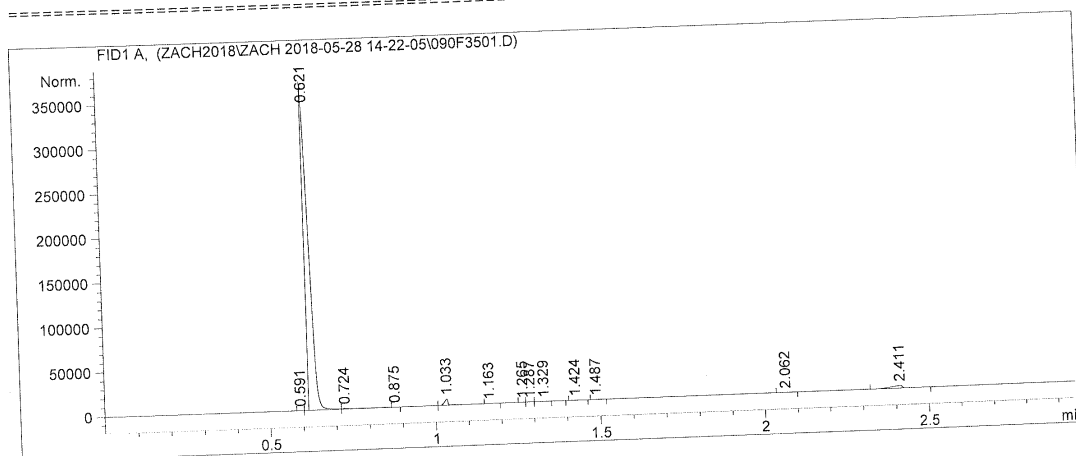
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.592	BV	9.83e-3	8.52508	13.38379	0.00254
2	0.622	VV S	0.0162	3.22675e5	3.07836e5	96.08631
3	0.724	VV S	0.0492	2247.91797	761.04736	0.66939
4	0.875	BB X	0.0100	9.46677	14.46346	0.00282
5	1.032	VB S	0.0125	4714.79932	5902.36035	1.40398
6	1.163	BB X	0.0128	21.87774	26.65839	0.00651
7	1.266	BV X	0.0121	1.69515	2.04353	0.00050
8	1.288	VV X	0.0182	5.79655	5.30209	0.00173
9	1.329	VB X	0.0180	30.31692	25.28872	0.00903
10	1.425	BB	0.0162	16.90073	16.09636	0.00503
11	1.487	BB	0.0206	2.85803	2.11679	0.00085

Butyl acetate: Sequence #2 – Run #6

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\090F3501.D
 Sample Name: 6

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   35
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 28-May-18, 17:28:14              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z1.M
Last changed    : 5/28/2018 4:40:53 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.591	BV	9.03e-3	7.11462	12.52091	0.00202
2	0.621	VV S	0.0152	3.36965e5	3.50424e5	95.79193
3	0.724	VV S	0.0458	2296.41870	836.58020	0.65282
4	0.875	BB X	9.45e-3	10.62180	17.58622	0.00302
5	1.033	VB S	0.0124	5341.05225	6759.50098	1.51835
6	1.163	BB X	0.0123	25.13821	32.24937	0.00715
7	1.265	BV X	0.0130	1.96526	2.52090	0.00056
8	1.287	VV X	0.0175	6.58854	6.05278	0.00187
9	1.329	VB X	0.0176	35.08547	30.14022	0.00997
10	1.424	BB	0.0158	19.40519	19.23024	0.00552
11	1.487	BB	0.0171	2.83918	2.52032	0.00081

Page 1 of 2

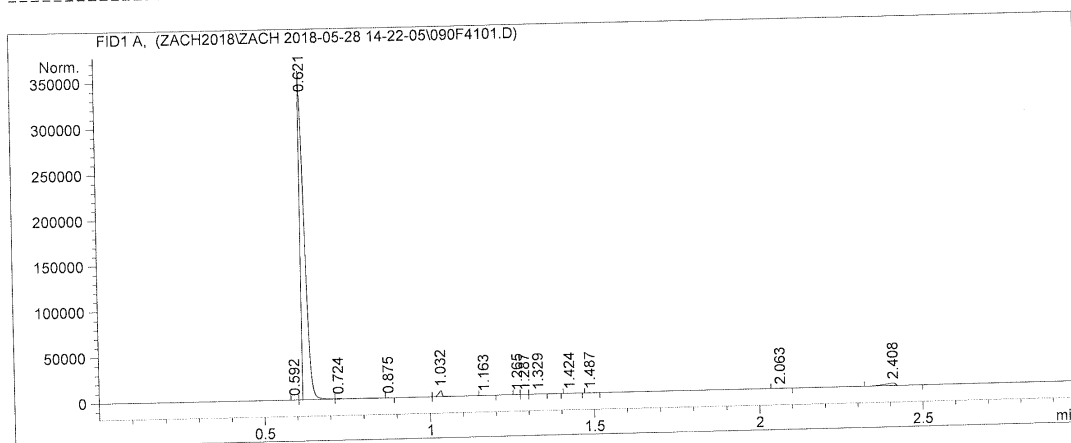
Instrument 1 7/6/2018 10:50:11 PM Zach Taylor

Butyl acetate: Sequence #2 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\090F4101.D
 Sample Name: 6

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   41
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 28-May-18, 18:01:19              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z1.M
Last changed    : 5/28/2018 4:40:53 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

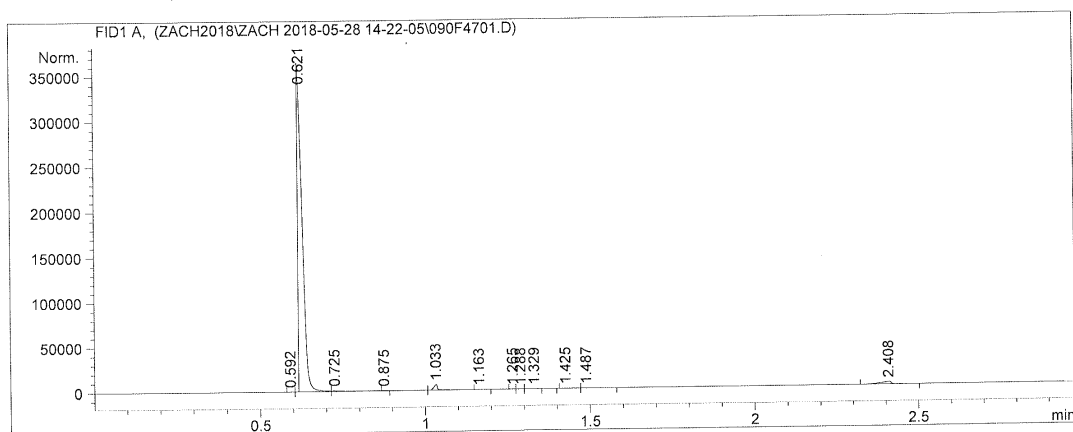
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.592	BV	0.0100	9.30904	14.23540	0.00278
2	0.621	VV S	0.0148	3.21352e5	3.46282e5	95.91777
3	0.724	VV S	0.0469	2232.21729	792.94055	0.66628
4	0.875	BB X	9.45e-3	9.80921	16.23909	0.00293
5	1.032	VB S	0.0122	4923.97754	6397.04541	1.46972
6	1.163	BB X	0.0123	22.81312	29.36654	0.00681
7	1.265	BV X	0.0128	1.66139	2.15709	0.00050
8	1.287	VV X	0.0164	5.77151	5.44216	0.00172
9	1.329	VB X	0.0174	31.33453	27.23553	0.00935
10	1.424	BB	0.0159	17.82752	17.49191	0.00532
11	1.487	BB	0.0163	2.42815	2.30962	0.00072

Instrument 1 7/6/2018 10:50:14 PM Zach Taylor

Butyl acetate: Sequence #2 – Run #8

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\090F4701.D
Sample Name: 6

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line : 47
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 28-May-18, 18:34:28              Inj       : 1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z1.M
Last changed    : 5/28/2018 4:40:53 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

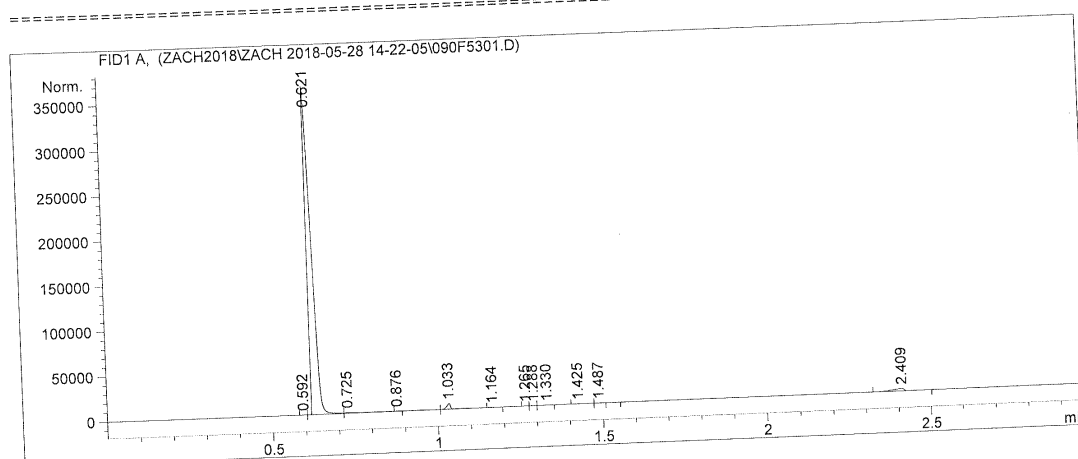
Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.592	BV	9.50e-3	11.25170	18.49548	0.00314
2	0.621	VV S	0.0155	3.44164e5	3.49714e5	95.94381
3	0.725	VV S	0.0574	3125.62476	907.81018	0.87134
4	0.875	BB X	0.0109	9.21096	14.07573	0.00257
5	1.033	VB S	0.0130	5035.89697	6022.00781	1.40388
6	1.163	BB X	0.0128	22.64403	27.65150	0.00631
7	1.265	BV X	0.0118	1.67332	2.07231	0.00047
8	1.288	VV X	0.0177	5.64796	5.32691	0.00157
9	1.329	VB X	0.0180	31.52750	26.21622	0.00879
10	1.425	BB	0.0161	17.26739	16.59698	0.00481
11	1.487	BB	0.0161	1.98756	2.04765	0.00055

Butyl acetate: Sequence #2 – Run #9

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\090F5301.D
 Sample Name: 6

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   53
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 28-May-18, 19:07:35              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z1.M
Last changed    : 5/28/2018 4:40:53 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

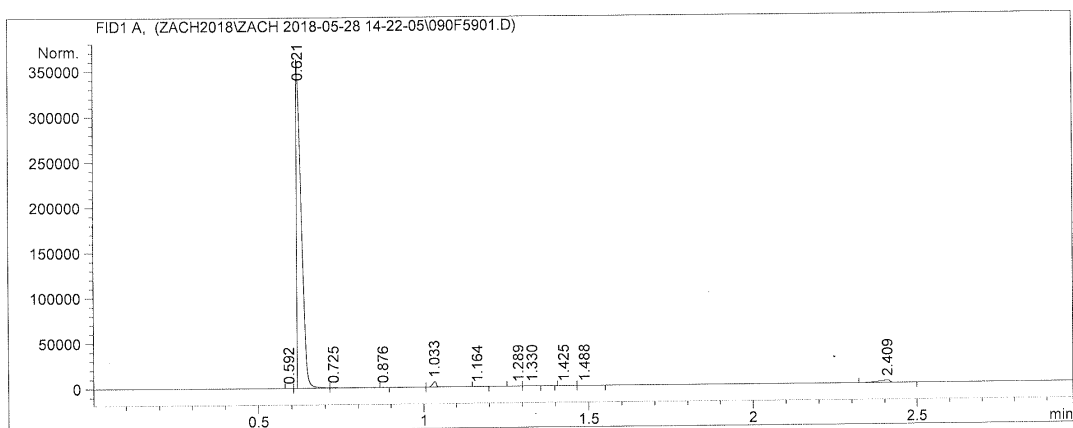
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.592	BV	9.62e-3	8.66176	13.98971	0.00232
2	0.621	VV S	0.0168	3.58245e5	3.48281e5	95.79025
3	0.725	VV S	0.0628	3137.92041	832.93268	0.83904
4	0.876	BB X	0.0116	9.71057	13.90098	0.00260
5	1.033	VB S	0.0143	5761.90527	6050.92188	1.54066
6	1.164	BB X	0.0138	24.28762	28.90886	0.00649
7	1.265	BV X	0.0139	2.03127	2.20860	0.00054
8	1.288	VV X	0.0163	5.69526	5.40405	0.00152
9	1.330	VB X	0.0186	33.68092	26.88655	0.00901
10	1.425	BV X	0.0170	20.10305	17.97472	0.00538
11	1.487	VB X	0.0162	2.21646	2.28566	0.00059

Instrument 1 7/6/2018 10:50:22 PM Zach Taylor

Butyl acetate: Sequence #2 – Run #10

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\090F5901.D
 Sample Name: 6

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   59
Acq. Instrument : Instrument 1                     Location  : Vial 90
Injection Date  : 28-May-18, 19:40:38              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z1.M
Last changed    : 5/28/2018 4:40:53 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

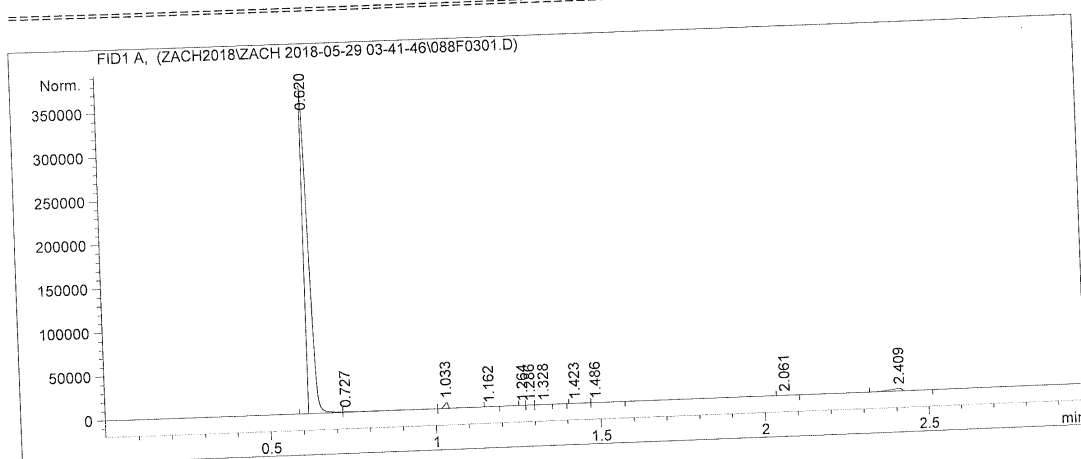
Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.592	BV	0.0102	13.03472	19.59670	0.00352
2	0.621	VV S	0.0166	3.56069e5	3.53168e5	96.22162
3	0.725	VV S	0.0508	2251.04102	738.96875	0.60831
4	0.876	BB X	0.0115	9.84529	14.24411	0.00266
5	1.033	VB S	0.0134	5075.59033	5808.23047	1.37159
6	1.164	BB X	0.0139	23.83358	28.12902	0.00644
7	1.289	BV X	0.0206	7.48948	5.25485	0.00202
8	1.330	VB X	0.0196	32.99397	26.03261	0.00892
9	1.425	BB	0.0164	18.24765	17.15006	0.00493
10	1.488	BB	0.0215	3.32348	2.21239	0.00090
11	2.409	BB	0.0331	6546.52637	2777.96094	1.76909

Butyl acetate: Sequence #3 – Run #1

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\088F0301.D
 Sample Name: 6

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    3
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 03:53:29              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\Z1.M
Last changed    : 5/28/2018 4:40:53 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



=====
 Area Percent Report
 =====

Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.620	BV S	0.0163	3.59246e5	3.41674e5	95.69389
2	0.727	VV S	0.0748	2969.07422	661.55389	0.79088
3	1.033	VB S	0.0131	5779.37354	6799.00488	1.53948
4	1.162	BB X	0.0125	25.83609	32.33083	0.00688
5	1.264	BV X	0.0134	1.79746	2.23577	0.00048
6	1.286	VV X	0.0166	6.80524	6.28925	0.00181
7	1.328	VB X	0.0176	35.60344	30.65002	0.00948
8	1.423	BV	0.0172	21.58068	19.07520	0.00575
9	1.486	VB	0.0140	1.98748	2.31576	0.00053
10	2.061	BB	0.0247	1.70780	1.08956	0.00045
11	2.409	BB	0.0353	7321.89063	2952.04370	1.95036

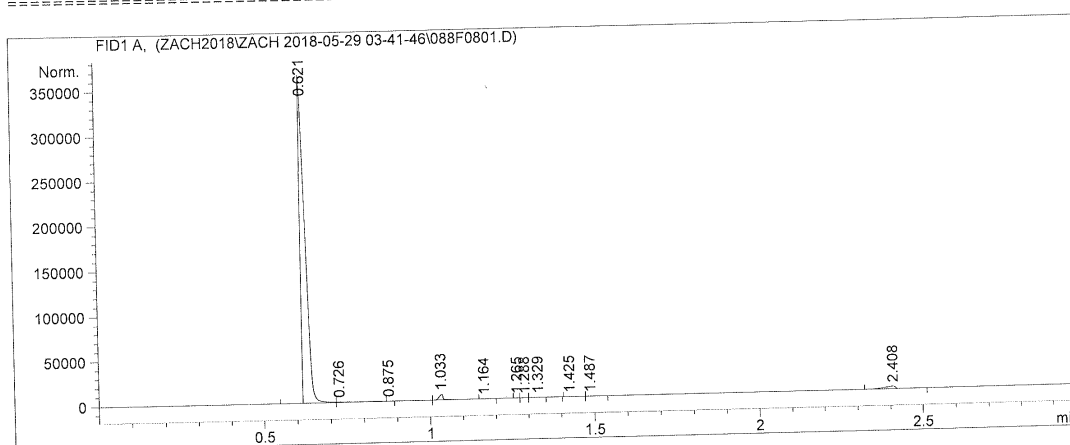
Instrument 1 7/6/2018 10:50:36 PM Zach Taylor

Butyl acetate: Sequence #3 – Run #2

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\088F0801.D
 Sample Name: 6

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    8
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 04:25:42              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\Z1.M
Last changed    : 5/28/2018 4:40:53 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.621	BV S	0.0171	3.65039e5	3.45036e5	95.96902
2	0.726	VV S	0.0691	3148.09790	759.50531	0.82764
3	0.875	BB X	0.0118	9.22095	13.04662	0.00242
4	1.033	VB S	0.0135	5351.04297	6044.33057	1.40679
5	1.164	BB X	0.0140	25.19409	29.25667	0.00662
6	1.265	BV X	0.0132	1.65403	2.09267	0.00043
7	1.288	VV X	0.0179	6.52785	6.06398	0.00172
8	1.329	VB X	0.0186	33.33887	26.61271	0.00876
9	1.425	BV	0.0197	24.78589	18.42384	0.00652
10	1.487	VB	0.0204	2.99443	2.24578	0.00079
11	2.408	BB	0.0345	6729.85205	2798.60889	1.76928

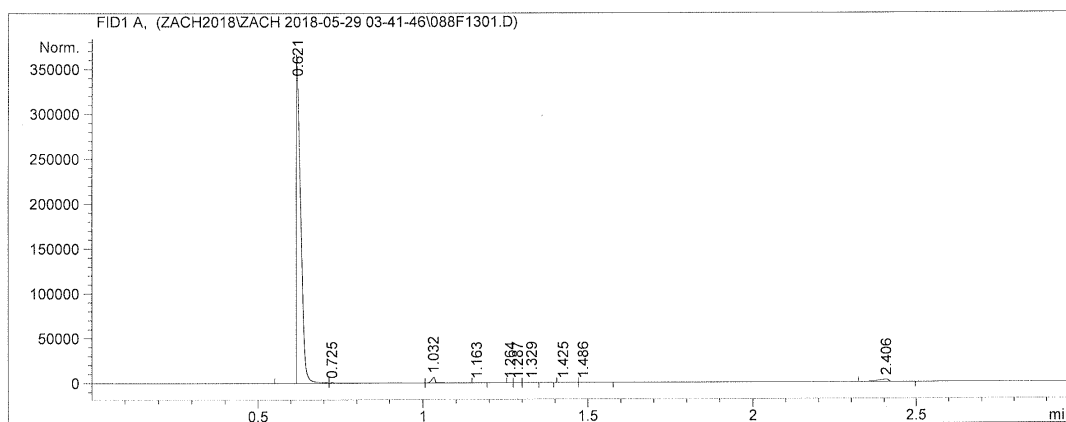
Instrument 1 7/6/2018 10:50:38 PM Zach Taylor

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Butyl acetate: Sequence #3 – Run #3

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\088F1301.D
Sample Name: 6

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   13
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 04:57:54              Inj       :    1
                                                Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\Z1.M
Last changed    : 5/28/2018 4:40:53 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By           :      Signal
Multiplier          :      1.0000
Dilution            :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.621	BV S	0.0152	3.30805e5	3.45501e5	95.79062
2	0.725	VV S	0.0659	3268.02417	826.97546	0.94632
3	1.032	VB S	0.0124	4983.17090	6349.71826	1.44297
4	1.163	BB X	0.0121	21.81888	28.44940	0.00632
5	1.264	BV X	0.0120	1.38977	1.93129	0.00040
6	1.287	VV X	0.0160	5.63187	5.48965	0.00163
7	1.329	VB X	0.0174	30.62761	26.72566	0.00887
8	1.425	BB	0.0176	22.25563	19.03973	0.00644
9	1.486	BB	0.0108	1.23090	2.11260	0.00036
10	2.406	BB	0.0326	6202.56543	2675.20459	1.79607

Butyl acetate: Sequence #3 – Run #4

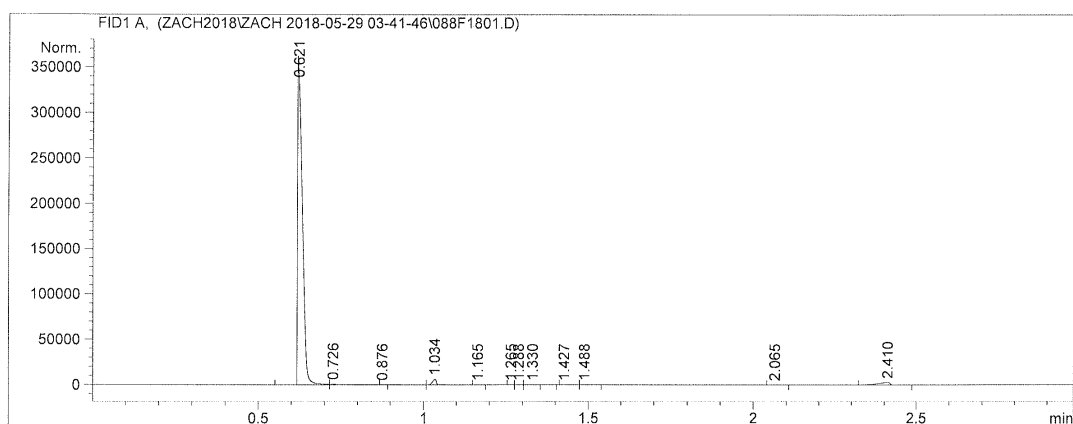
Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\088F1801.D

Sample Name: 6

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :   18
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 05:30:06              Inj       :    1
                                                Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\Z1.M
Last changed    : 5/28/2018 4:40:53 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

```



```

=====
                          Area Percent Report
=====

```

```

Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs

```

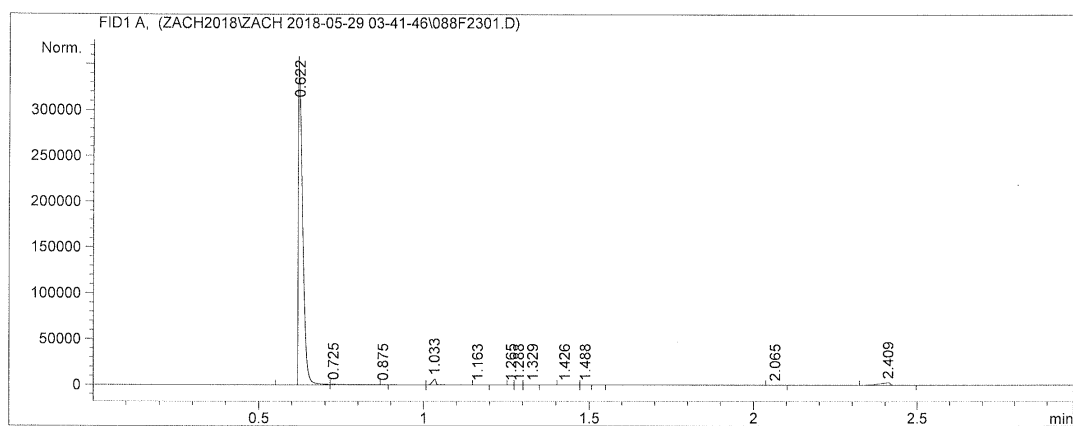
Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.621	BV S	0.0176	3.59681e5	3.48913e5	95.86768
2	0.726	VV S	0.0657	3279.08081	831.22705	0.87399
3	0.876	BB X	0.0119	9.05357	12.67269	0.00241
4	1.034	VB S	0.0145	5342.71631	5916.27148	1.42402
5	1.165	BB X	0.0128	23.58966	28.65729	0.00629
6	1.265	BV X	0.0125	1.77172	2.04027	0.00047
7	1.288	VV X	0.0168	6.39640	5.84230	0.00170
8	1.330	VB X	0.0185	32.28460	26.02957	0.00860
9	1.427	BB	0.0166	19.53881	19.33209	0.00521
10	1.488	BB	0.0194	2.91622	2.20632	0.00078
11	2.065	BB	0.0234	1.52849	1.04607	0.00041

Butyl acetate: Sequence #3 – Run #5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\088F2301.D
Sample Name: 6

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   23
Acq. Instrument : Instrument 1                      Location  : Vial 88
Injection Date  : 29-May-18, 06:02:22              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\Z1.M
Last changed    : 5/28/2018 4:40:53 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

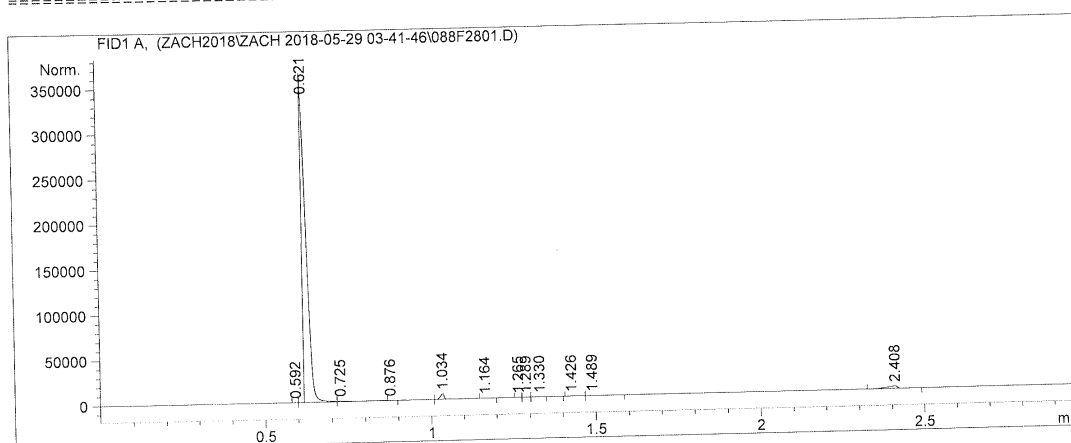
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.622	BV S	0.0160	3.17489e5	3.09444e5	95.46812
2	0.725	VV S	0.0600	3098.18848	860.36890	0.93162
3	0.875	BB X	0.0101	8.80332	14.58939	0.00265
4	1.033	VB S	0.0132	5360.49365	6225.01367	1.61189
5	1.163	BB X	0.0127	23.45580	28.93376	0.00705
6	1.265	BV X	0.0130	1.60711	2.05637	0.00048
7	1.288	VV X	0.0177	6.10094	5.73319	0.00183
8	1.329	VB X	0.0178	30.42839	25.70145	0.00915
9	1.426	BV X	0.0172	22.01889	19.45140	0.00662
10	1.488	VB X	0.0148	2.05147	2.22479	0.00062
11	2.065	BB	0.0225	1.51661	1.04873	0.00046

Butyl acetate: Sequence #3 – Run #6

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\088F2801.D
 Sample Name: 6

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   28
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 06:34:39              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\Z1.M
Last changed    : 5/28/2018 4:40:53 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.592	BV	8.36e-3	4.10696	8.03837	0.00121
2	0.621	VV S	0.0148	3.26183e5	3.51859e5	95.71900
3	0.725	VV S	0.0605	3072.55396	846.22675	0.90165
4	0.876	BB X	0.0114	10.09828	14.77036	0.00296
5	1.034	VB S	0.0132	5157.85498	6044.37061	1.51358
6	1.164	BB X	0.0137	23.47016	28.36134	0.00689
7	1.265	BV X	0.0123	1.80481	2.13188	0.00053
8	1.289	VV X	0.0164	6.15550	5.77752	0.00181
9	1.330	VB X	0.0180	30.11476	25.08227	0.00884
10	1.426	BB	0.0173	18.69699	17.49992	0.00549
11	1.489	BB	0.0147	1.88069	2.04519	0.00055

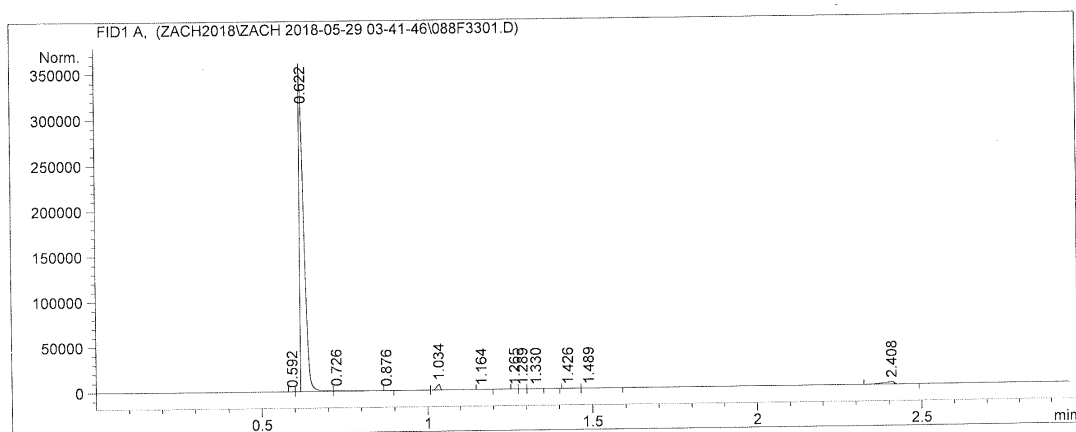
Instrument 1 7/6/2018 10:50:52 PM Zach Taylor

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Butyl acetate: Sequence #3 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\088F3301.D
Sample Name: 6

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   33
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 07:06:58              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\Z1.M
Last changed    : 5/28/2018 4:40:53 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By       :      Signal
Multiplier      :      1.0000
Dilution        :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.592	BV	8.48e-3	5.95126	11.42061	0.00176
2	0.622	VV S	0.0161	3.24194e5	3.12330e5	95.77926
3	0.726	VV S	0.0580	2974.78955	854.71185	0.87887
4	0.876	BB X	0.0111	9.96508	14.97801	0.00294
5	1.034	VB S	0.0122	5020.98242	5962.62158	1.48339
6	1.164	BB X	0.0126	22.75821	28.14391	0.00672
7	1.265	BV X	0.0132	1.95833	2.29589	0.00058
8	1.289	VV X	0.0160	6.17965	5.98840	0.00183
9	1.330	VB X	0.0171	30.72327	25.70131	0.00908
10	1.426	BB	0.0162	17.89831	17.18393	0.00529
11	1.489	BB	0.0122	1.43842	2.04495	0.00042

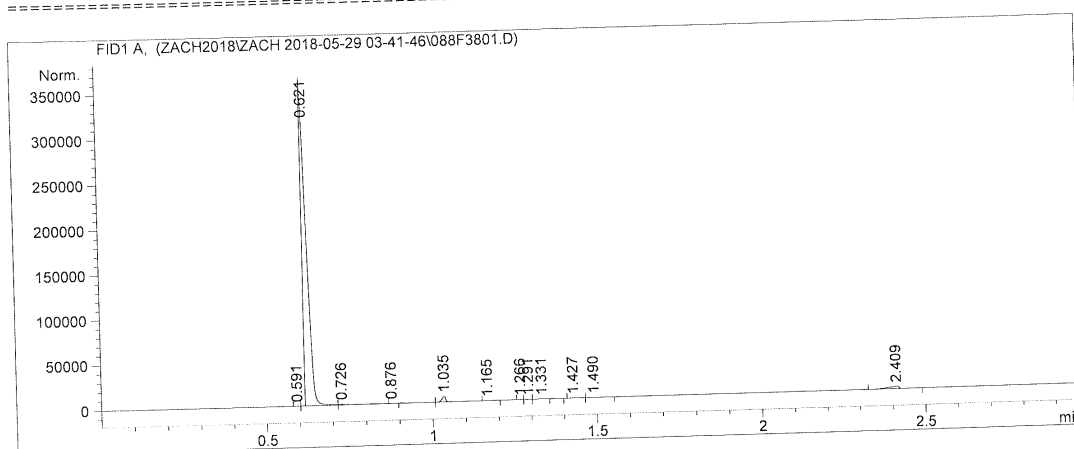
Instrument 1 7/6/2018 10:50:56 PM Zach Taylor

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Butyl acetate: Sequence #3 – Run #8

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\088F3801.D
 Sample Name: 6

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   38
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 07:39:17              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\Z1.M
Last changed    : 5/28/2018 4:40:53 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By       :      Signal
Multiplier      :      1.0000
Dilution        :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.591	BV	9.06e-3	7.54453	13.22357	0.00217
2	0.621	VV S	0.0163	3.33735e5	3.15882e5	95.92021
3	0.726	VV S	0.0560	2923.50562	869.41486	0.84026
4	0.876	BB X	0.0115	10.11860	14.63722	0.00291
5	1.035	VB S	0.0125	5058.68652	6342.12158	1.45394
6	1.165	BB X	0.0130	23.47171	28.07252	0.00675
7	1.266	BV X	0.0132	1.48399	1.87744	0.00043
8	1.291	VV X	0.0161	5.92214	5.69626	0.00170
9	1.331	VB X	0.0185	31.31484	25.18338	0.00900
10	1.427	BB	0.0162	17.56158	16.74786	0.00505
11	1.490	BB	0.0215	3.30941	2.31136	0.00095

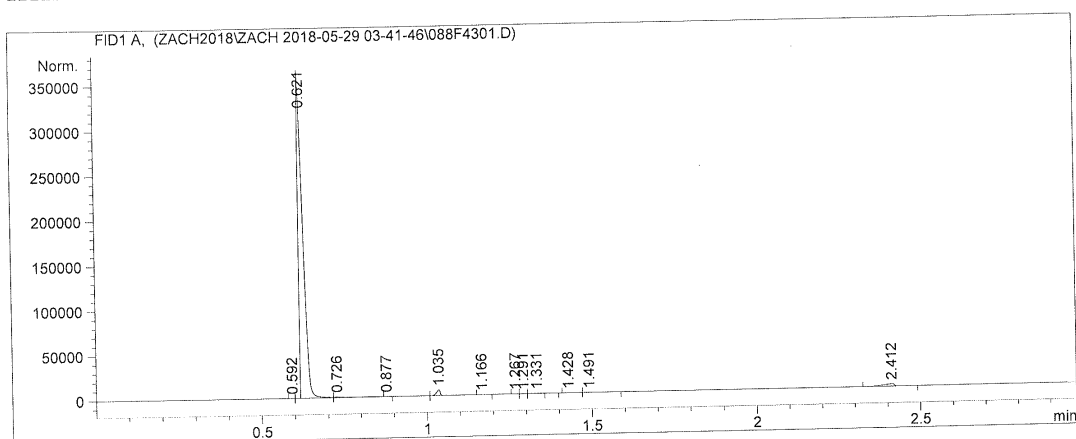
Instrument 1 7/6/2018 10:50:59 PM Zach Taylor

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Butyl acetate: Sequence #3 – Run #9

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\088F4301.D
 Sample Name: 6

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   43
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 08:11:30              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\Z1.M
Last changed    : 5/28/2018 4:40:53 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.592	BV	8.42e-3	5.30547	10.28355	0.00149
2	0.621	VV S	0.0165	3.40698e5	3.19096e5	95.84764
3	0.726	VV S	0.0539	2908.55200	898.65137	0.81826
4	0.877	BB X	0.0118	10.47654	14.80651	0.00295
5	1.035	VB S	0.0129	5279.56934	6324.05615	1.48529
6	1.166	BB X	0.0127	23.38579	28.65448	0.00658
7	1.267	BV X	0.0152	1.98392	2.17051	0.00056
8	1.291	VV X	0.0162	6.06410	5.79965	0.00171
9	1.331	VB X	0.0185	33.36639	26.89669	0.00939
10	1.428	BB	0.0163	18.75425	17.77776	0.00528
11	1.491	BB	0.0163	2.42082	2.29283	0.00068

Instrument 1 7/6/2018 10:51:02 PM Zach Taylor

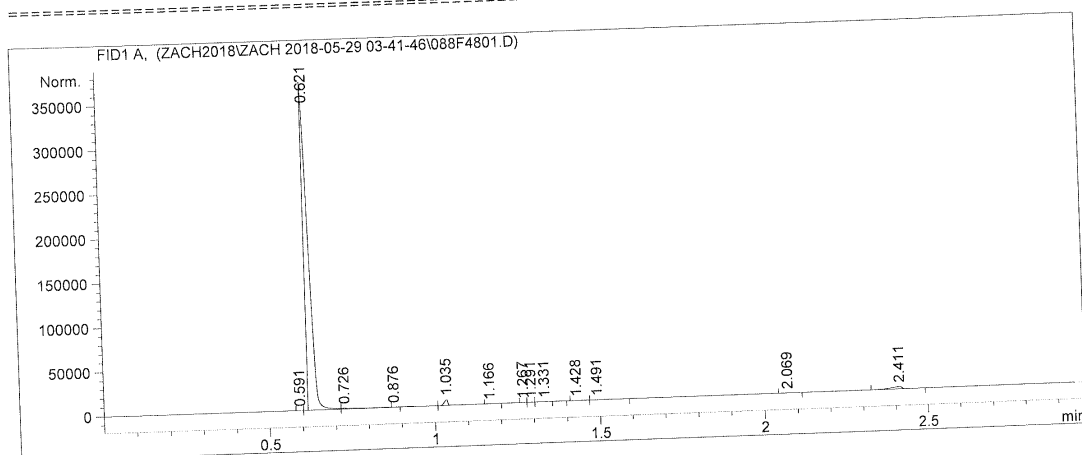
Page 1 of 2

Butyl acetate: Sequence #3 – Run #10

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\088F4801.D
 Sample Name: 6

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   48
Acq. Instrument : Instrument 1                     Location  : Vial 88
Injection Date  : 29-May-18, 08:43:43             Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-29 03-41-46\Z1.M
Last changed    : 5/28/2018 4:40:53 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

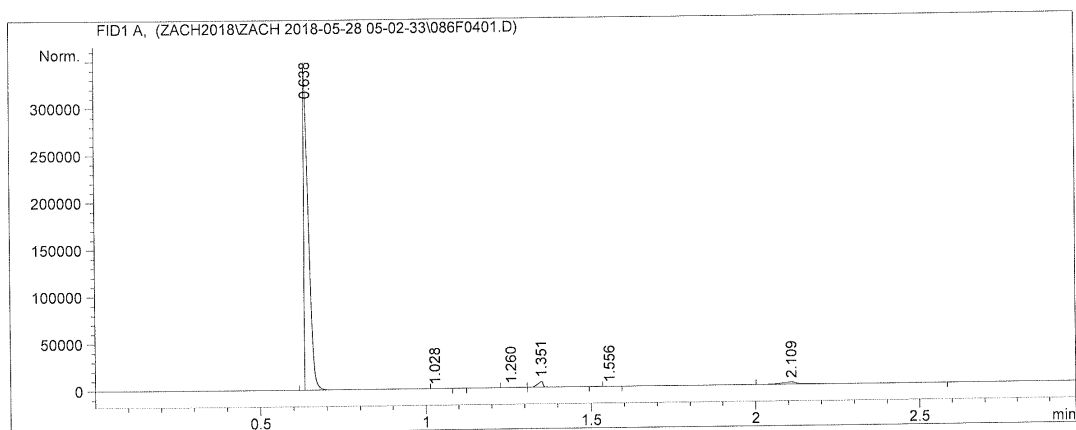
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.591	BV	8.39e-3	7.21346	14.04919	0.00202
2	0.621	VV S	0.0156	3.42263e5	3.45536e5	95.76634
3	0.726	VV S	0.0594	3610.98047	1012.87415	1.01036
4	0.876	BB X	0.0116	10.13717	14.54529	0.00284
5	1.035	VB S	0.0126	5209.59375	6446.24072	1.45766
6	1.166	BB X	0.0128	23.25406	28.30134	0.00651
7	1.267	BV X	0.0142	1.66400	1.95470	0.00047
8	1.291	VV X	0.0156	5.50310	5.52735	0.00154
9	1.331	VB X	0.0184	32.54593	26.28365	0.00911
10	1.428	BB	0.0159	17.55261	17.14134	0.00491
11	1.491	BB	0.0111	1.28569	2.10123	0.00036

Instrument 1 7/6/2018 10:51:12 PM Zach Taylor

Methyl benzoate: Sequence #1 – Run #1

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\086F0401.D
 Sample Name: 1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    4
Acq. Instrument : Instrument 1                     Location  : Vial 86
Injection Date  : 28-May-18, 05:17:02              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

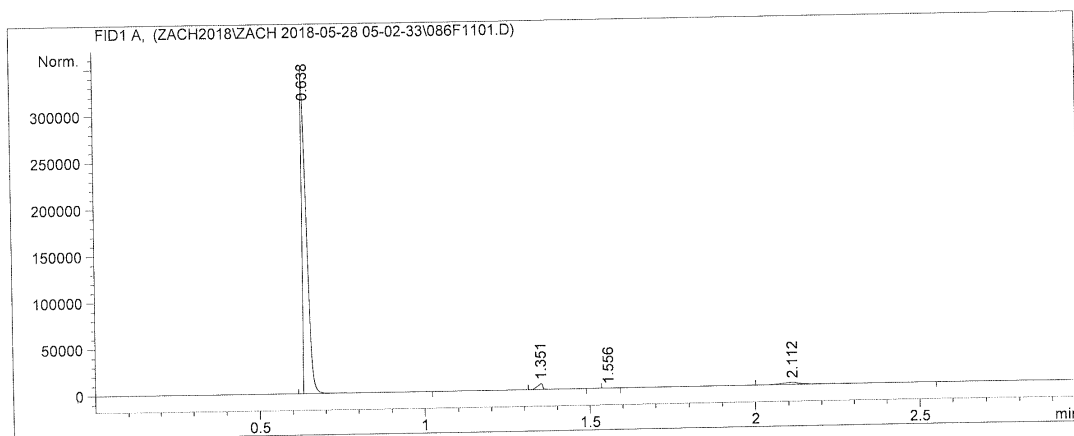
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.638	BB S	0.0164	3.25076e5	3.05051e5	95.40269
2	1.028	BB X	0.0210	5.03124	3.45240	0.00148
3	1.260	BV	0.0314	5.65391	2.81686	0.00166
4	1.351	VB S	0.0181	6689.79004	5874.43945	1.96331
5	1.556	BB	0.0200	1.31186	1.00444	0.00039
6	2.109	BB	0.0508	8963.14844	2355.64453	2.63049

```
Totals :                      3.40741e5  3.13288e5
```

Methyl benzoate: Sequence #1 – Run #2

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\086F1101.D
 Sample Name: 1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   11
Acq. Instrument : Instrument 1                     Location  : Vial 86
Injection Date  : 28-May-18, 05:50:33              Inj       :    1
                                                Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.638	BB S	0.0155	3.26096e5	3.10054e5	95.25014
2	1.351	BB S	0.0177	6961.46729	5937.34668	2.03339
3	1.556	BB	0.0203	1.48993	1.12435	0.00044
4	2.112	BB	0.0537	9298.53809	2418.39185	2.71603

```
Totals :                      3.42357e5  3.18411e5
```

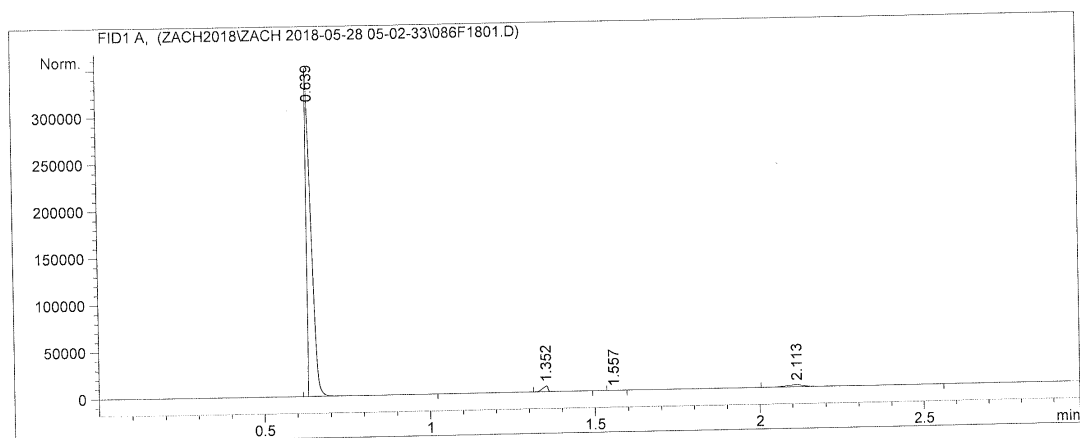
```
=====
*** End of Report ***
```


Methyl benzoate: Sequence #1 – Run #3

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\086F1801.D
 Sample Name: 1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   18
Acq. Instrument : Instrument 1                     Location  : Vial 86
Injection Date  : 28-May-18, 06:24:00              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.639	BB S	0.0166	3.34613e5	3.09826e5	95.37508
2	1.352	BB S	0.0187	6947.05469	5823.38086	1.98013
3	1.557	BB	0.0203	1.42452	1.07203	0.00041
4	2.113	BB	0.0526	9277.54102	2342.11084	2.64439

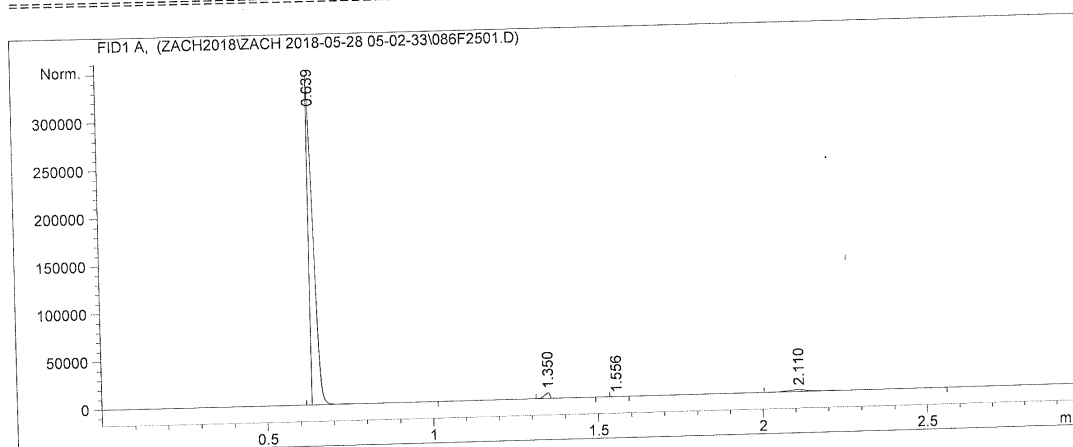
Totals : 3.50839e5 3.17992e5

```
=====
*** End of Report ***
```

Methyl benzoate: Sequence #1 – Run #4

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\086F2501.D
 Sample Name: 1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   25
Acq. Instrument : Instrument 1                     Location  : Vial 86
Injection Date  : 28-May-18, 06:57:31              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.639	BB S	0.0162	3.22543e5	3.08086e5	95.32245
2	1.350	BB S	0.0172	6740.88965	5942.96387	1.99216
3	1.556	BB	0.0207	1.37642	1.00819	0.00041
4	2.110	BB	0.0547	9085.19238	2231.60498	2.68498

```
Totals :                      3.38371e5  3.16261e5
```

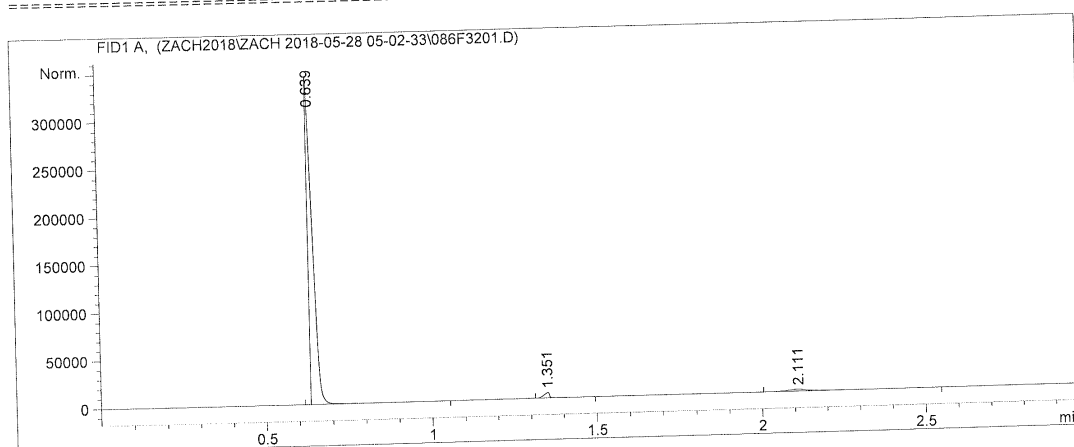
```
=====
*** End of Report ***
```

Methyl benzoate: Sequence #1 – Run #5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\086F3201.D

Sample Name: 1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   32
Acq. Instrument : Instrument 1                     Location  : Vial 86
Injection Date  : 28-May-18, 07:31:01              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



=====
Area Percent Report
=====

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.639	BB S	0.0164	3.27468e5	3.07570e5	95.45852
2	1.351	BB S	0.0175	6622.27002	5717.48340	1.93042
3	2.111	BB	0.0570	8957.15332	2170.29248	2.61105

Totals : 3.43047e5 3.15458e5

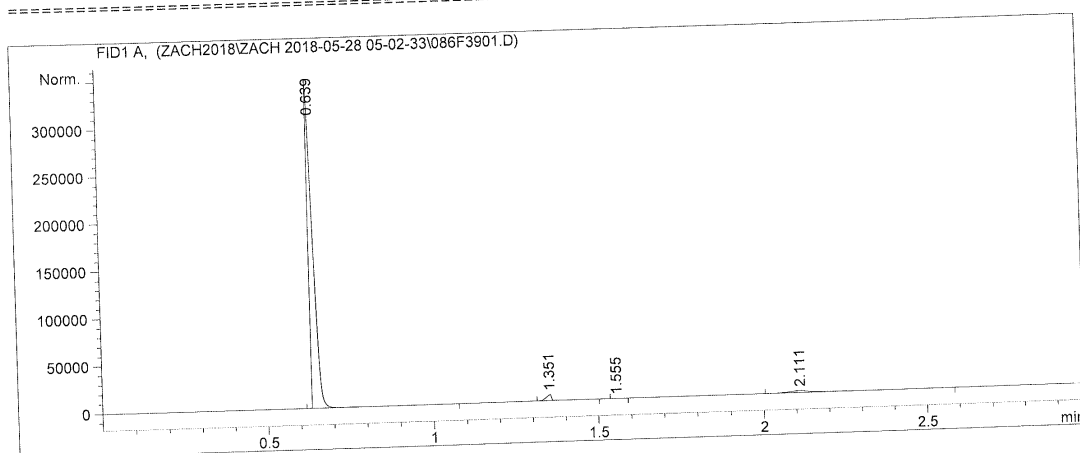
=====
*** End of Report ***

Methyl benzoate: Sequence #1 – Run #6

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\086F3901.D
 Sample Name: 1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   39
Acq. Instrument : Instrument 1                     Location  : Vial 86
Injection Date  : 28-May-18, 08:04:34              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.639	BB S	0.0156	3.24152e5	3.05385e5	95.23129
2	1.351	BB S	0.0173	6925.57080	6053.85547	2.03463
3	1.555	BB	0.0201	1.38504	1.05346	0.00041
4	2.111	BB	0.0565	9304.96582	2199.97046	2.73367

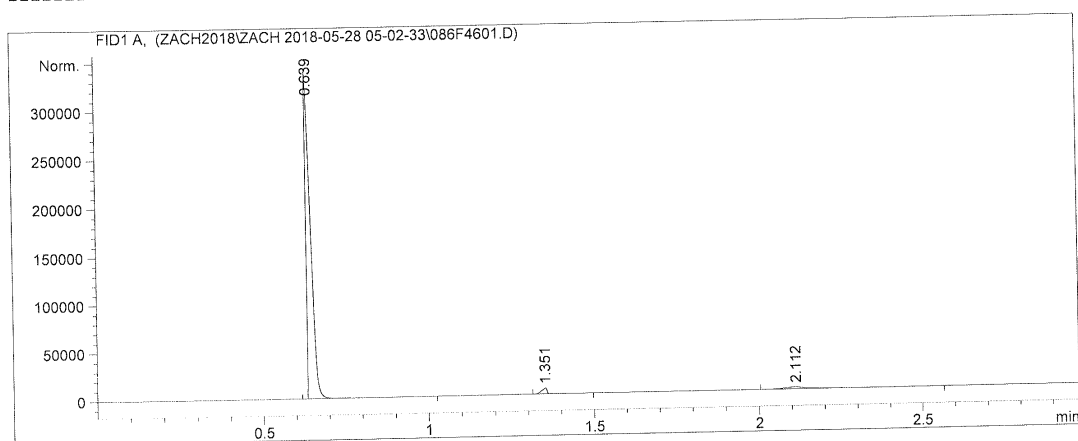
```
Totals :                      3.40384e5  3.13640e5
```

```
=====
*** End of Report ***
```

Methyl benzoate: Sequence #1 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\086F4601.D
 Sample Name: 1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   46
Acq. Instrument : Instrument 1                     Location  : Vial 86
Injection Date  : 28-May-18, 08:38:01              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.639	BB S	0.0163	3.26527e5	3.10317e5	95.26683
2	1.351	BB S	0.0174	6842.62695	5955.79785	1.99639
3	2.112	BB	0.0572	9380.31641	2190.56543	2.73678

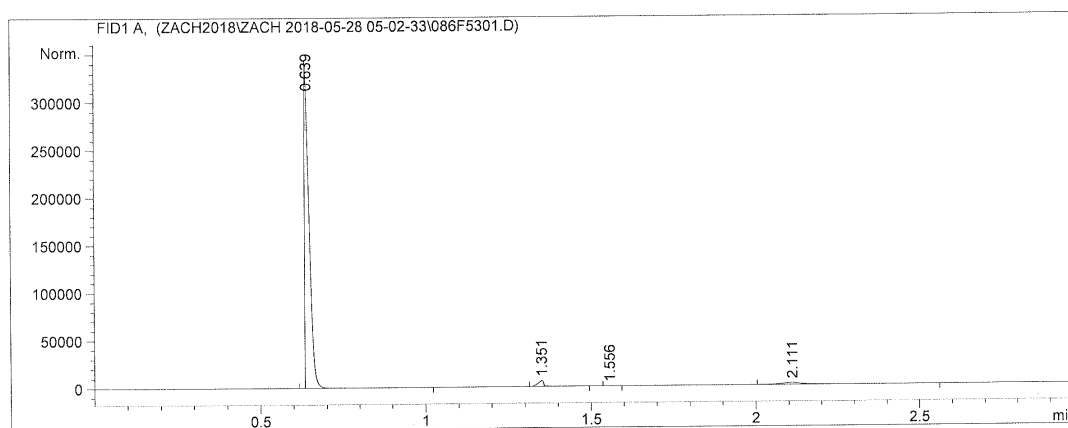
```
Totals :                      3.42750e5  3.18464e5
```

```
=====
                        *** End of Report ***
=====
```

Methyl benzoate: Sequence #1 – Run #8

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\086F5301.D
Sample Name: 1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   53
Acq. Instrument : Instrument 1                     Location  : Vial 86
Injection Date  : 28-May-18, 09:11:34              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By           :      Signal
Multiplier           :      1.0000
Dilution             :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.639	BB S	0.0162	3.20398e5	3.07600e5	95.26997
2	1.351	BB S	0.0176	6723.60254	5785.93652	1.99925
3	1.556	BB	0.0199	1.34801	1.04137	0.00040
4	2.111	BB	0.0593	9182.39551	2120.93628	2.73037

```
Totals :                      3.36306e5  3.15508e5
```

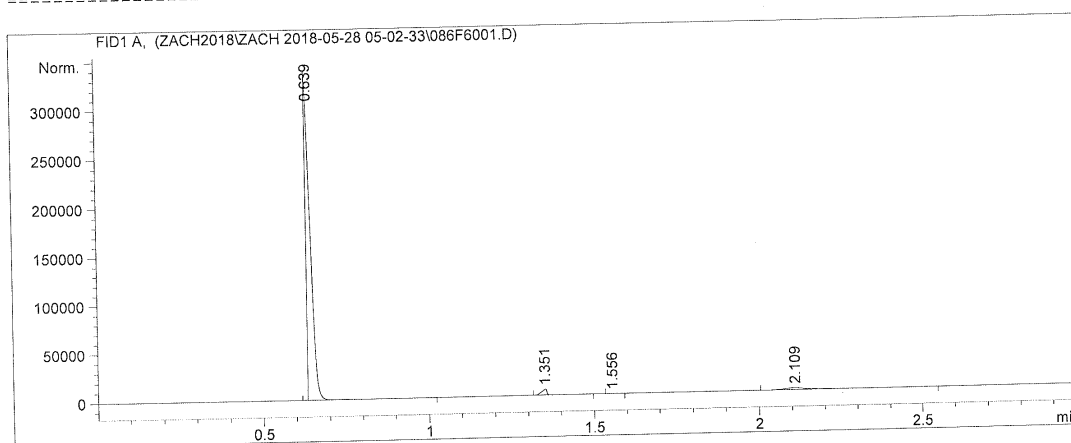
```
=====
*** End of Report ***
```

Methyl benzoate: Sequence #1 – Run #9

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\086F6001.D
 Sample Name: 1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   60
Acq. Instrument : Instrument 1                     Location  : Vial 86
Injection Date  : 28-May-18, 09:45:01              Inj       :    1
                                                Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.639	BB S	0.0159	3.08803e5	3.03316e5	95.18421
2	1.351	BB S	0.0172	6578.91748	5806.38965	2.02786
3	1.556	BB	0.0205	1.35357	1.00450	0.00042
4	2.109	BB	0.0586	9043.45312	2083.39063	2.78752

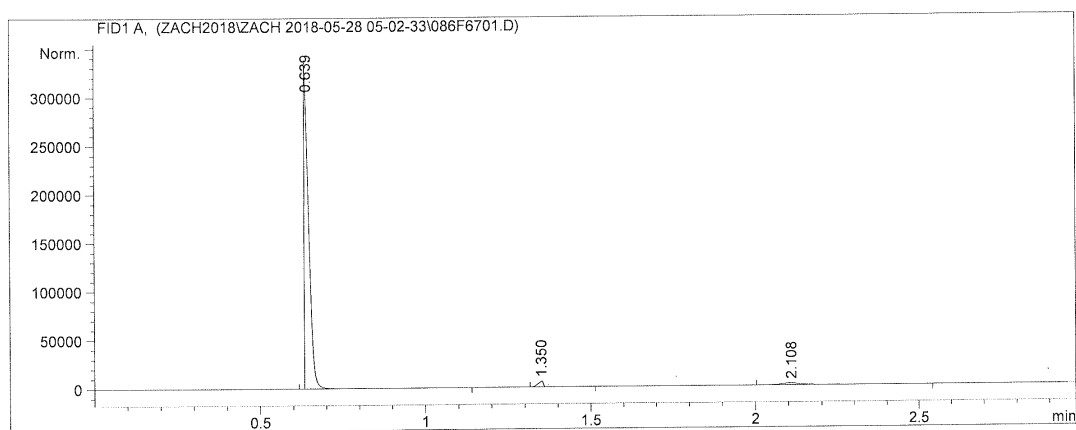
Totals : 3.24427e5 3.11207e5

```
=====
*** End of Report ***
=====
```

Methyl benzoate: Sequence #1 – Run #10

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\086F6701.D
 Sample Name: 1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   67
Acq. Instrument : Instrument 1                     Location  : Vial 86
Injection Date  : 28-May-18, 10:18:34              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 05-02-33\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.639	BB S	0.0163	3.18066e5	3.01087e5	95.38524
2	1.350	BB S	0.0178	6486.12451	5801.53711	1.94513
3	2.108	BB	0.0587	8901.96973	2046.58154	2.66963

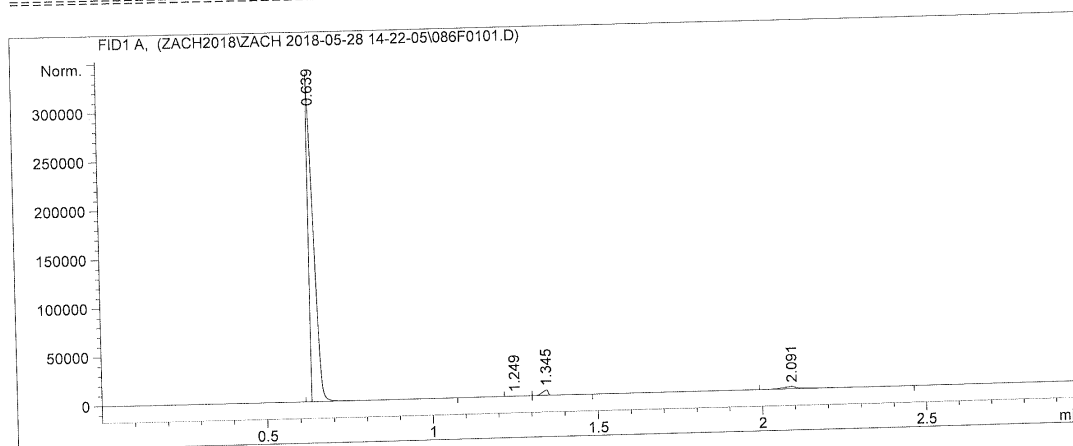
```
Totals :                      3.33454e5  3.08935e5
```

```
=====
*** End of Report ***
=====
```


Methyl benzoate: Sequence #2 – Run #1

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\086F0101.D
 Sample Name: 1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    1
Acq. Instrument : Instrument 1                     Location  : Vial 86
Injection Date  : 28-May-18, 14:24:20              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.639	BB S	0.0171	3.35210e5	2.99189e5	95.61077
2	1.249	BV	0.0303	6.03577	3.04844	0.00172
3	1.345	VB S	0.0197	6510.35596	5390.66846	1.85692
4	2.091	BB	0.0485	8872.20996	2410.27393	2.53059

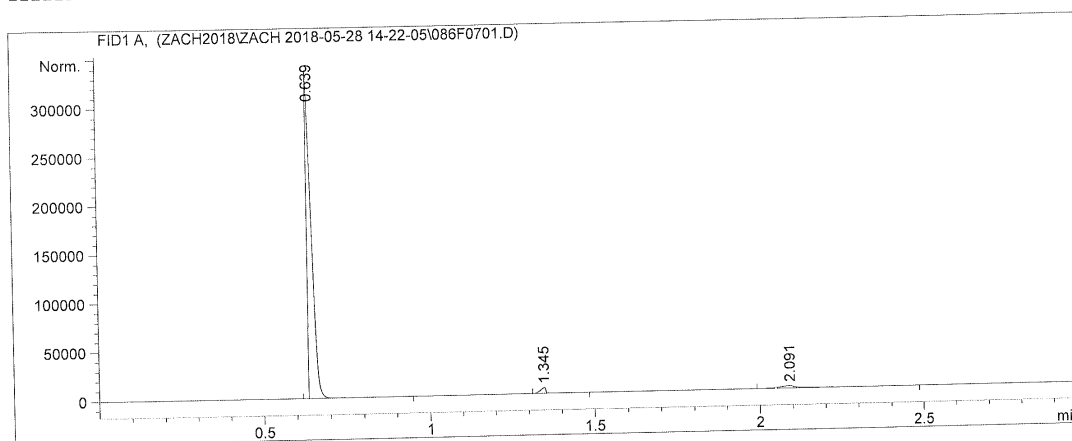
Totals : 3.50599e5 3.06993e5

```
=====
*** End of Report ***
=====
```

Methyl benzoate: Sequence #2 – Run #2

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\086F0701.D
 Sample Name: 1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    7
Acq. Instrument : Instrument 1                     Location  : Vial 86
Injection Date  : 28-May-18, 14:57:24              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.639	BB S	0.0163	3.17634e5	3.00393e5	95.37195
2	1.345	BB S	0.0179	6478.15527	5761.92529	1.94512
3	2.091	BB	0.0516	8935.42187	2390.38696	2.68293

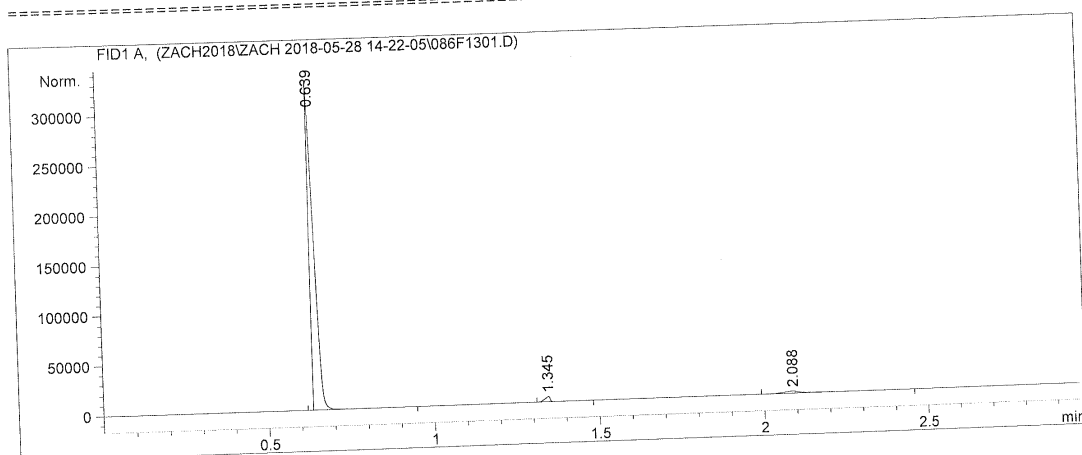
```
Totals :                      3.33047e5  3.08545e5
```

```
=====
*** End of Report ***
```

Methyl benzoate: Sequence #2 – Run #3

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\086F1301.D
 Sample Name: 1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   13
Acq. Instrument : Instrument 1                     Location  : Vial 86
Injection Date  : 28-May-18, 15:30:27              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.639	BB S	0.0160	3.08488e5	2.99597e5	95.69755
2	1.345	BB S	0.0170	5812.66943	5220.73828	1.80317
3	2.088	BB	0.0495	8056.59717	2179.36475	2.49927

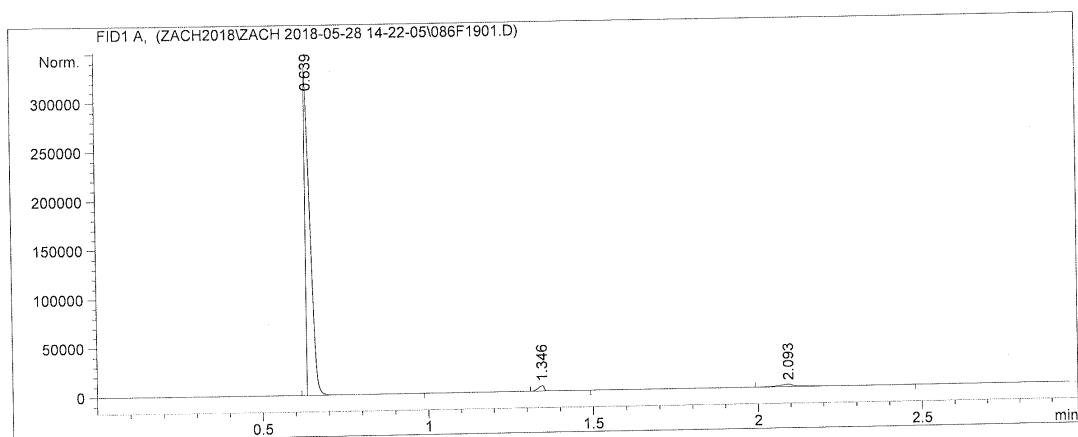
Totals : 3.22358e5 3.06997e5

```
=====
*** End of Report ***
=====
```

Methyl benzoate: Sequence #2 – Run #4

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\086F1901.D
Sample Name: 1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   19
Acq. Instrument : Instrument 1                     Location  : Vial 86
Injection Date  : 28-May-18, 16:03:35              Inj       :    1
                                                Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By       :      Signal
Multiplier      :      1.0000
Dilution        :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.639	BB S	0.0166	3.30061e5	3.06644e5	95.45562
2	1.346	BB S	0.0192	6629.21924	5383.33545	1.91721
3	2.093	BB	0.0505	9084.06055	2403.58179	2.62717

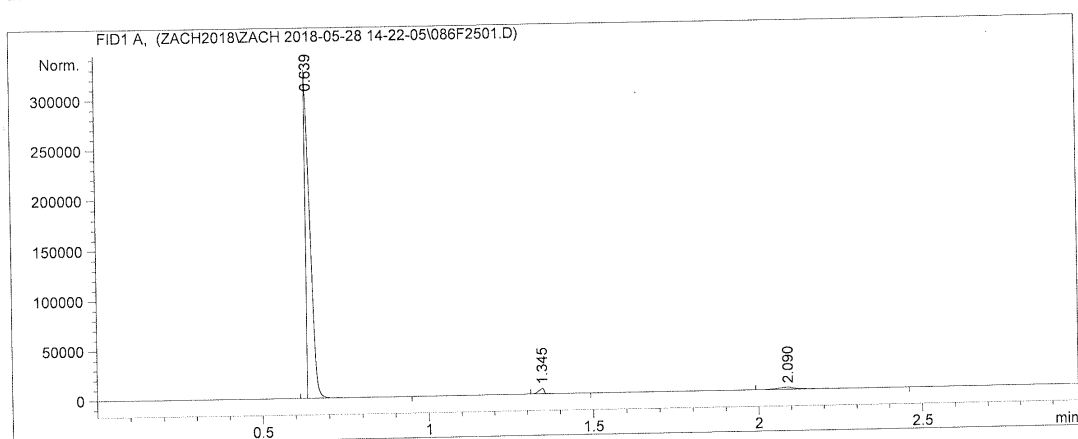
Totals : 3.45774e5 3.14431e5

```
=====
*** End of Report ***
```

Methyl benzoate: Sequence #2 – Run #5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\086F2501.D
 Sample Name: 1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   25
Acq. Instrument : Instrument 1                     Location  : Vial 86
Injection Date  : 28-May-18, 16:36:37              Inj       :    1
                                                Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.639	BB S	0.0158	3.06214e5	3.03024e5	95.42613
2	1.345	BB S	0.0181	6188.34912	5410.24072	1.92849
3	2.090	BB	0.0497	8488.80176	2288.03247	2.64538

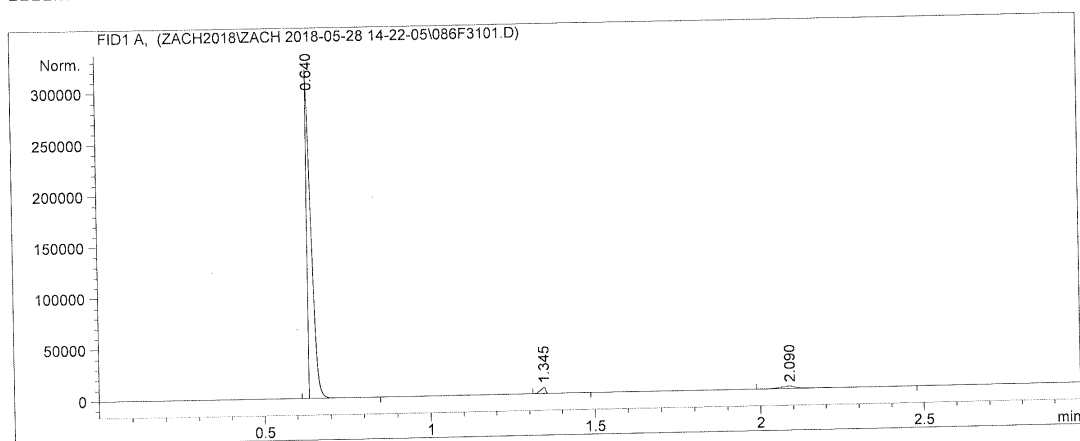
Totals : 3.20892e5 3.10722e5

```
=====
*** End of Report ***
```

Methyl benzoate: Sequence #2 – Run #6

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\086F3101.D
 Sample Name: 1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   31
Acq. Instrument : Instrument 1                     Location  : Vial 86
Injection Date  : 28-May-18, 17:09:39              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.640	BB S	0.0149	2.82422e5	3.01533e5	95.00449
2	1.345	BB S	0.0156	6248.58545	5895.75684	2.10198
3	2.090	BB	0.0501	8601.65332	2298.53223	2.89353

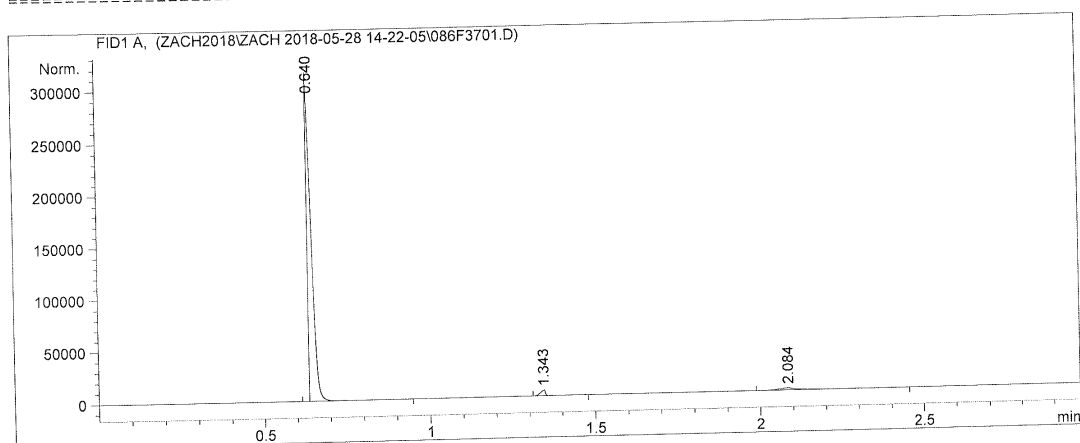
```
Totals :                      2.97272e5  3.09728e5
```

```
=====
*** End of Report ***
```

Methyl benzoate: Sequence #2 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\086F3701.D
 Sample Name: 1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   37
Acq. Instrument : Instrument 1                     Location  : Vial 86
Injection Date  : 28-May-18, 17:42:46              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.640	BB S	0.0140	2.70195e5	2.91467e5	95.36442
2	1.343	BB S	0.0164	5550.09863	5240.25293	1.95889
3	2.084	BB	0.0501	7583.86865	2061.97705	2.67670

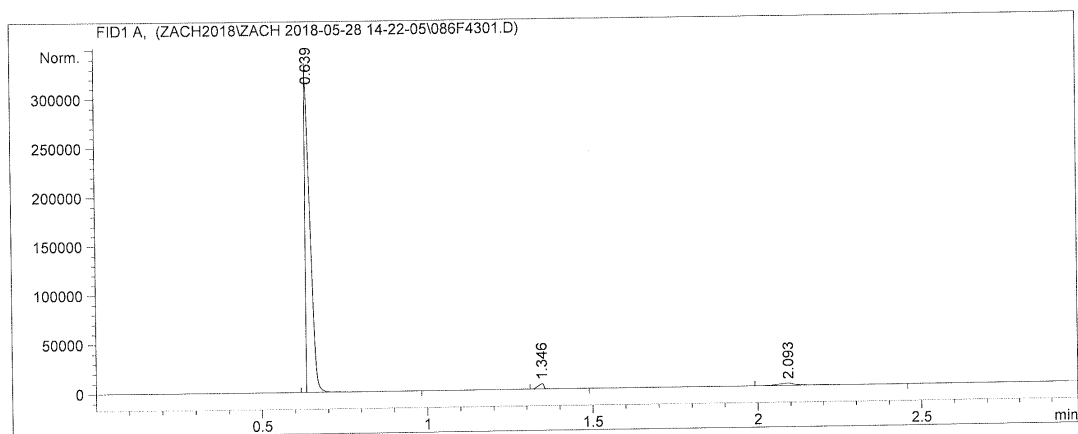
```
Totals :                      2.83329e5  2.98769e5
```

```
=====
*** End of Report ***
```

Methyl benzoate: Sequence #2 – Run #8

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\086F4301.D
Sample Name: 1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line : 43
Acq. Instrument : Instrument 1                     Location  : Vial 86
Injection Date  : 28-May-18, 18:15:50              Inj       : 1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.639	BB S	0.0166	3.33833e5	3.09626e5	95.66224
2	1.346	BB S	0.0202	6367.44775	5076.90820	1.82464
3	2.093	BB	0.0497	8770.06543	2318.82251	2.51312

Totals : 3.48971e5 3.17022e5

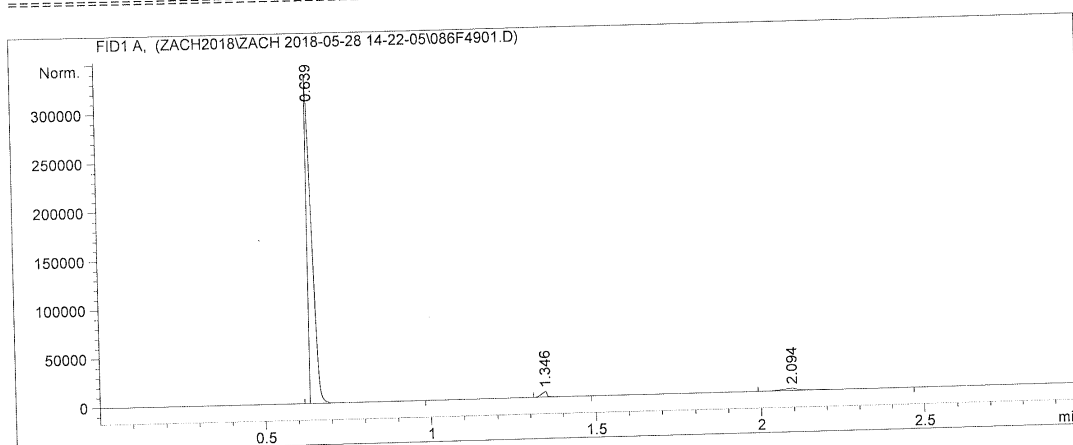
```
=====
*** End of Report ***
```


Methyl benzoate: Sequence #2 – Run #9

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\086F4901.D
 Sample Name: 1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   49
Acq. Instrument : Instrument 1                     Location  : Vial 86
Injection Date  : 28-May-18, 18:48:59              Inj       :    1
                                                Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.639	BB S	0.0164	3.24156e5	3.04947e5	95.45405
2	1.346	BB S	0.0195	6501.79590	5441.19580	1.91458
3	2.094	BB	0.0507	8935.98438	2395.18262	2.63137

```
Totals :                      3.39594e5  3.12783e5
```

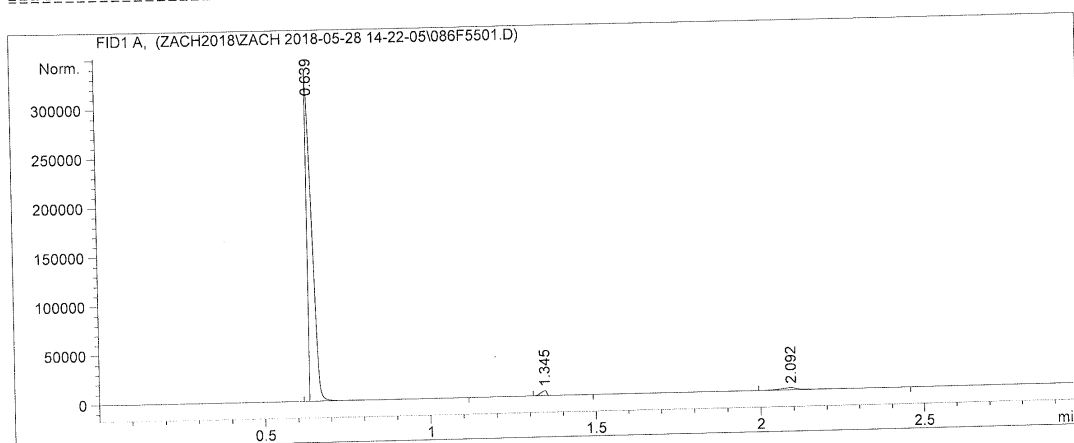
```
=====
*** End of Report ***
```

Methyl benzoate: Sequence #2 – Run #10

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\086F5501.D
 Sample Name: 1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   55
Acq. Instrument : Instrument 1                     Location  : Vial 86
Injection Date  : 28-May-18, 19:22:06              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.639	BB S	0.0170	3.40817e5	3.06639e5	95.84919
2	1.345	BB S	0.0203	6198.28613	4907.60156	1.74317
3	2.092	BB	0.0492	8561.00293	2290.34595	2.40764

Totals : 3.55576e5 3.13837e5

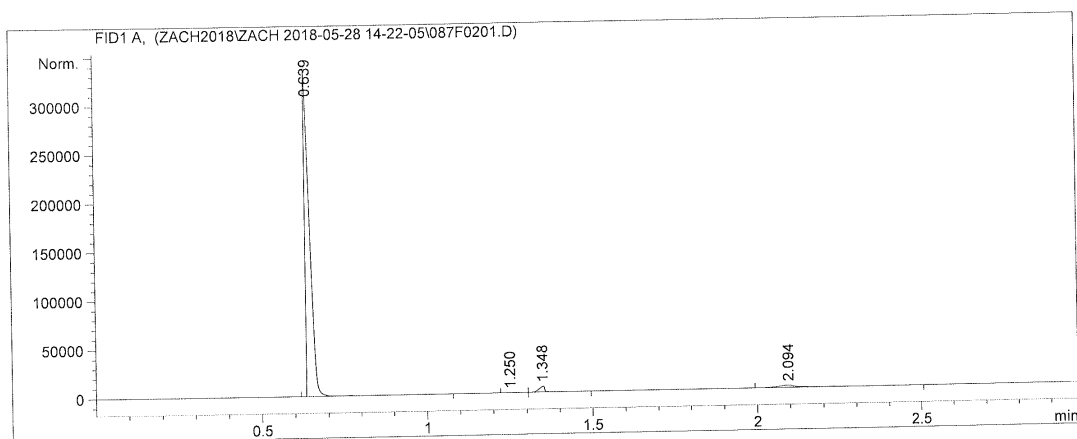
```
=====
*** End of Report ***
```

Methyl benzoate: Sequence #3 – Run #1

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\087F0201.D
 Sample Name: 1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    2
Acq. Instrument : Instrument 1                     Location  : Vial 87
Injection Date  : 28-May-18, 14:28:20              Inj       :    1
                                                Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.639	BB S	0.0166	3.28701e5	3.03621e5	95.44628
2	1.250	BV	0.0295	5.90922	2.97847	0.00172
3	1.348	VB S	0.0182	6673.36670	5808.96631	1.93777
4	2.094	BB	0.0505	9002.98242	2340.97070	2.61423

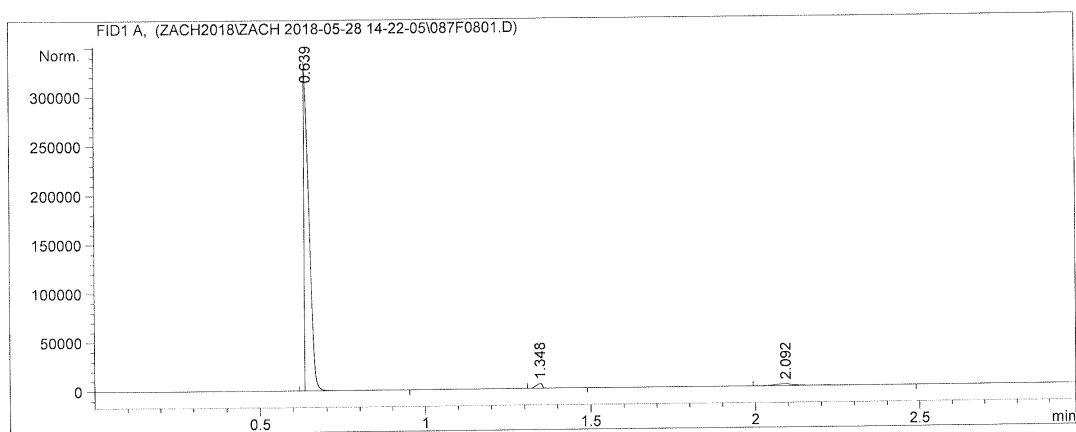
```
Totals :                      3.44384e5  3.11774e5
```

```
=====
*** End of Report ***
```

Methyl benzoate: Sequence #3 – Run #2

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\087F0801.D
 Sample Name: 1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :    8
Acq. Instrument : Instrument 1                     Location  : Vial 87
Injection Date  : 28-May-18, 15:01:24              Inj       :    1
                                                Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By       :      Signal
Multiplier      :      1.0000
Dilution        :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.639	BB S	0.0174	3.38206e5	3.13025e5	95.89218
2	1.348	BB S	0.0210	6059.97070	4853.24512	1.71820
3	2.092	BB	0.0518	8428.04980	2166.76855	2.38962

```
Totals :                      3.52694e5  3.20045e5
```

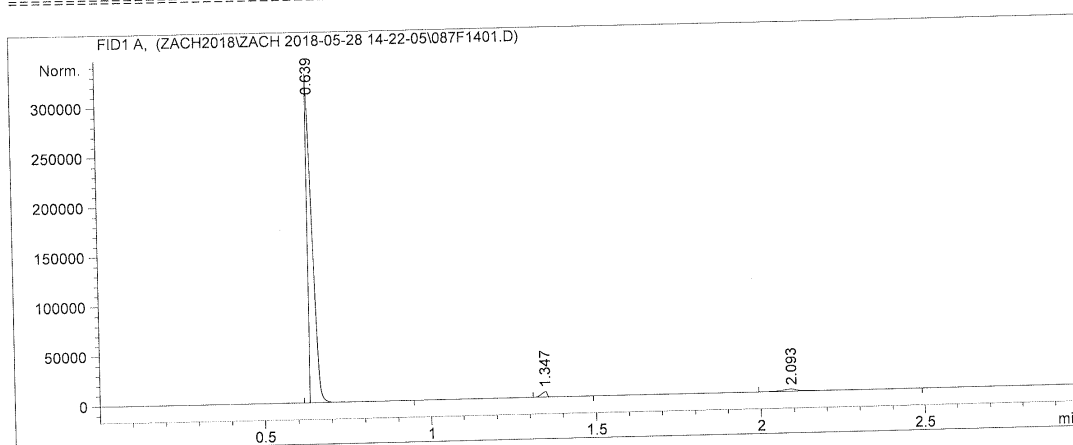
```
=====
*** End of Report ***
=====
```

Methyl benzoate: Sequence #3 – Run #3

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\087F1401.D
 Sample Name: 1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   14
Acq. Instrument : Instrument 1                     Location  : Vial 87
Injection Date  : 28-May-18, 15:34:28              Inj       :    1
                                                Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.639	BB S	0.0162	3.22973e5	3.07920e5	95.58102
2	1.347	BB S	0.0184	6306.51123	5416.72852	1.86636
3	2.093	BB	0.0515	8625.44531	2192.62354	2.55263

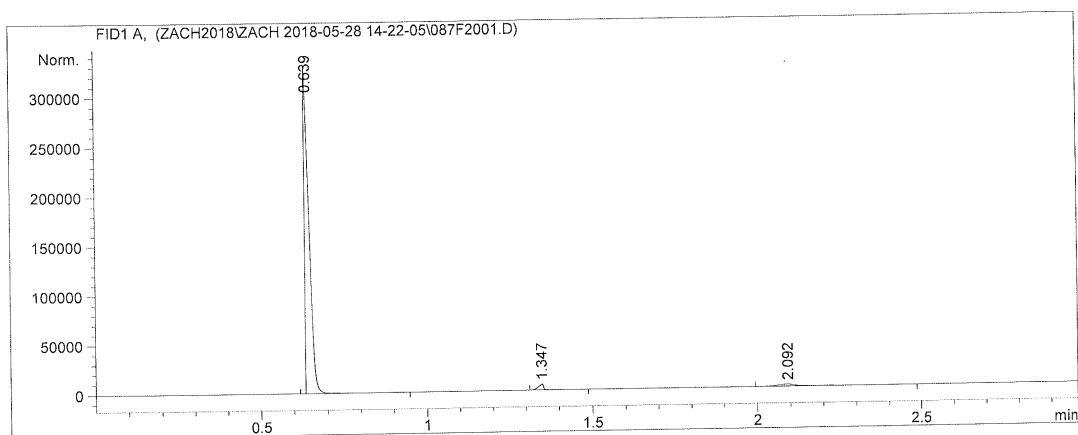
Totals : 3.37905e5 3.15530e5

```
=====
*** End of Report ***
```

Methyl benzoate: Sequence #3 – Run #4

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\087F2001.D
Sample Name: 1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   20
Acq. Instrument : Instrument 1                     Location  : Vial 87
Injection Date  : 28-May-18, 16:07:34              Inj       :    1
                                                Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.639	BB S	0.0159	3.05394e5	2.99732e5	95.38860
2	1.347	BB S	0.0156	6274.26416	5891.72998	1.95974
3	2.092	BB	0.0535	8489.51660	2175.15405	2.65166

Totals : 3.20158e5 3.07799e5

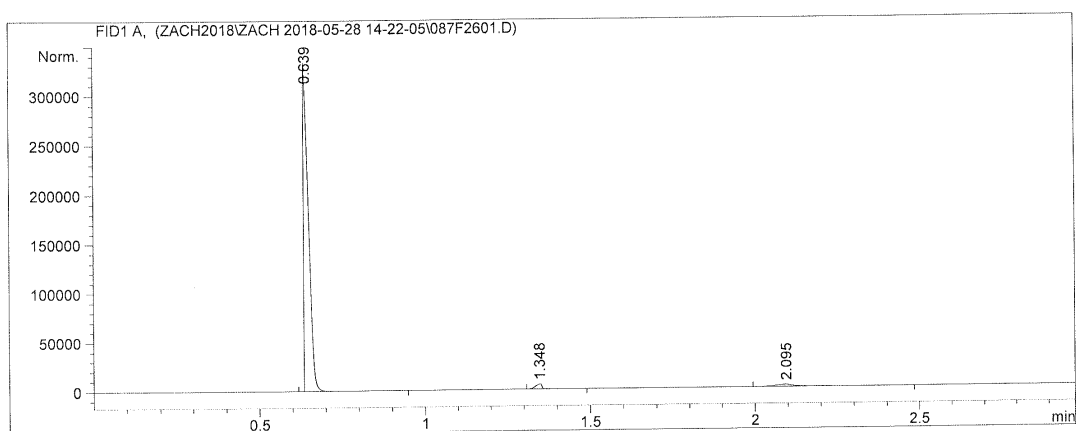
```
=====
*** End of Report ***
=====
```

Methyl benzoate: Sequence #3 – Run #5

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\087F2601.D
 Sample Name: 1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   26
Acq. Instrument : Instrument 1                     Location  : Vial 87
Injection Date  : 28-May-18, 16:40:35              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.639	BB S	0.0177	3.42581e5	3.10258e5	95.71803
2	1.348	BB S	0.0214	6444.61523	5021.18115	1.80064
3	2.095	BB	0.0524	8880.83594	2252.35864	2.48133

```
Totals :                      3.57906e5  3.17532e5
```

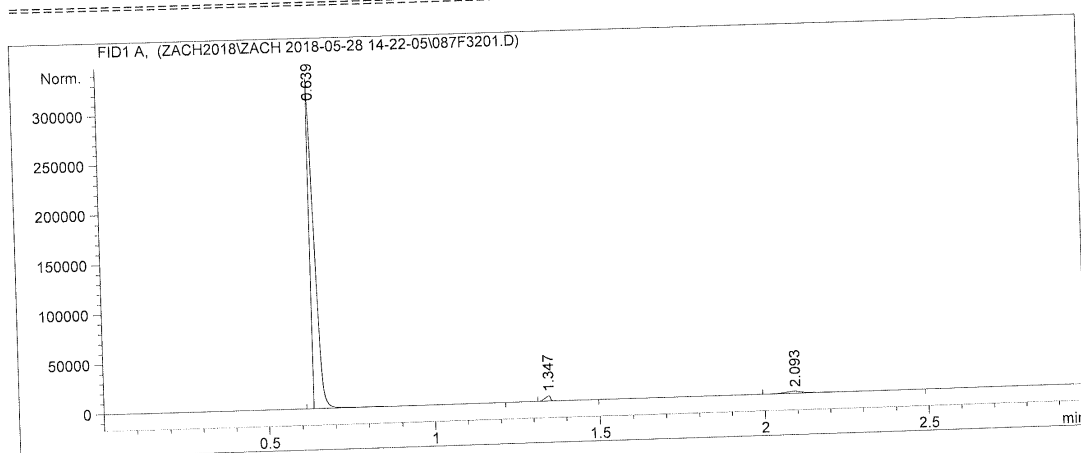
```
=====
*** End of Report ***
=====
```

Methyl benzoate: Sequence #3 – Run #6

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\087F3201.D
 Sample Name: 1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   32
Acq. Instrument : Instrument 1                     Location  : Vial 87
Injection Date  : 28-May-18, 17:13:39              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.639	BB S	0.0158	3.12507e5	3.08116e5	95.54941
2	1.347	BB S	0.0180	6059.07764	5368.95020	1.85257
3	2.093	BB	0.0543	8497.18164	2143.28442	2.59802

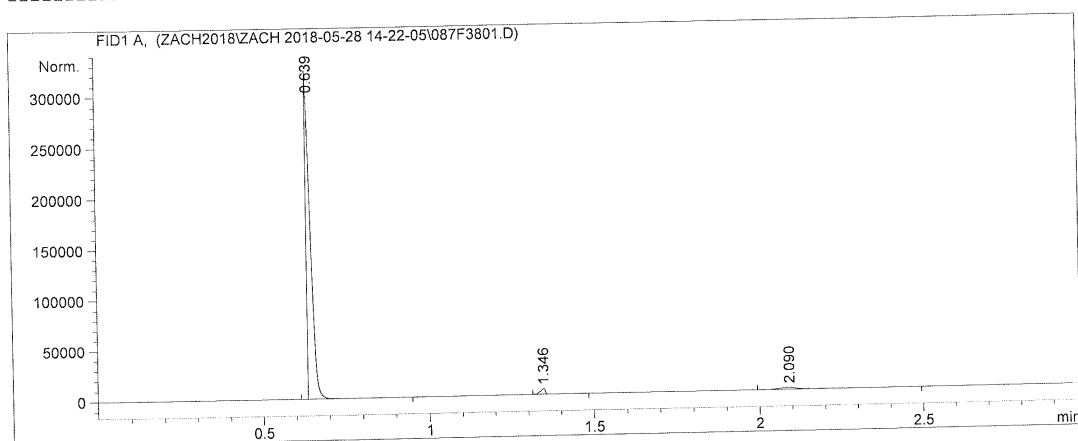
Totals : 3.27064e5 3.15628e5

```
=====
*** End of Report ***
=====
```


Methyl benzoate: Sequence #3 – Run #7

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\087F3801.D
 Sample Name: 1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   38
Acq. Instrument : Instrument 1                     Location  : Vial 87
Injection Date  : 28-May-18, 17:46:46              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.639	BB S	0.0154	2.89905e5	2.97909e5	95.41505
2	1.346	BB S	0.0168	5870.27344	5362.91309	1.93205
3	2.090	BB	0.0530	8060.42969	2054.97046	2.65289

Totals : 3.03836e5 3.05327e5

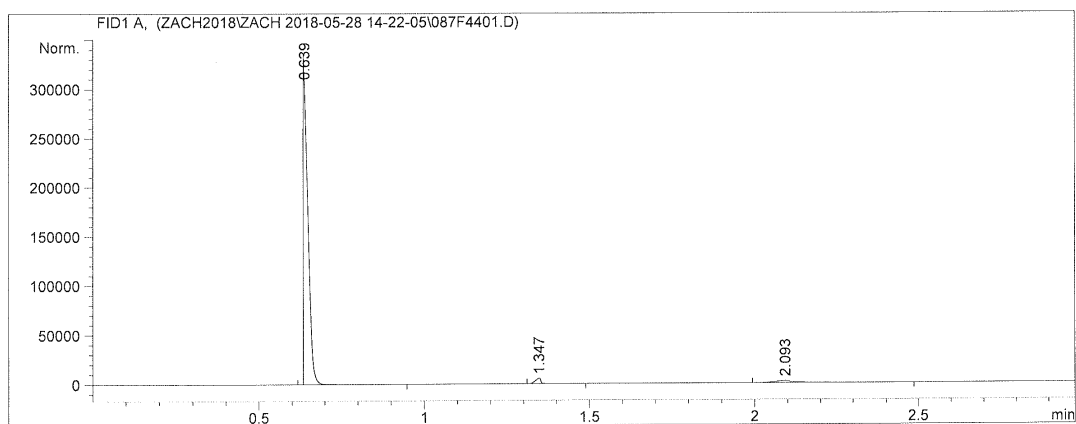
```
=====
*** End of Report ***
```

Methyl benzoate: Sequence #3 – Run #8

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\087F4401.D
 Sample Name: 1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   44
Acq. Instrument : Instrument 1                     Location  : Vial 87
Injection Date  : 28-May-18, 18:19:52              Inj       :    1
                                                Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.639	BB S	0.0161	3.16253e5	3.05401e5	95.61415
2	1.347	BB S	0.0173	6062.37598	5304.94482	1.83286
3	2.093	BB	0.0524	8444.26855	2142.81104	2.55299

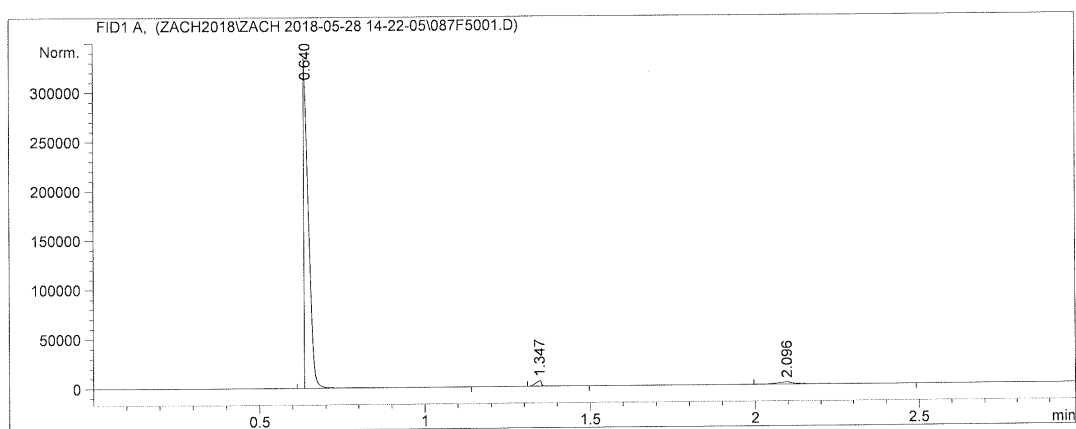
```
Totals :                      3.30760e5  3.12849e5
```

```
=====
*** End of Report ***
=====
```

Methyl benzoate: Sequence #3 – Run #9

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\087F5001.D
 Sample Name: 1

```
=====
Acq. Operator   : Zach Taylor                      Seq. Line :   50
Acq. Instrument : Instrument 1                      Location  : Vial 87
Injection Date  : 28-May-18, 18:53:01              Inj       :    1
                                                Inj Volume: 1 µl
Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.640	BB S	0.0160	3.21885e5	3.12742e5	95.40207
2	1.347	BB S	0.0195	6498.93848	5471.98828	1.92619
3	2.096	BB	0.0528	9014.37305	2265.28809	2.67173

```
Totals :                      3.37398e5  3.20479e5
```

```
=====
*** End of Report ***
```

Methyl benzoate: Sequence #3 – Run #10

Data File C:\CHEM32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\087F5601.D

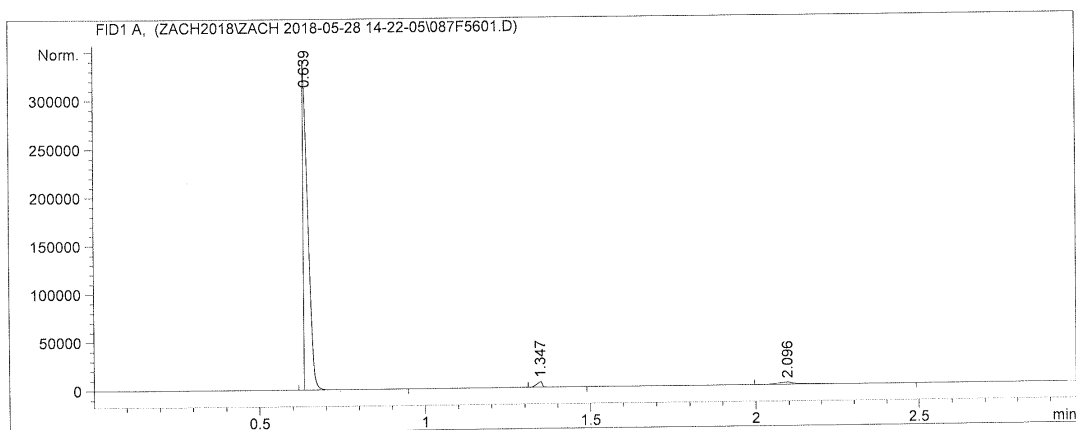
Sample Name: 1

```

=====
Acq. Operator   : Zach Taylor                      Seq. Line :   56
Acq. Instrument : Instrument 1                     Location  : Vial 87
Injection Date  : 28-May-18, 19:26:06              Inj       :    1
                                                    Inj Volume: 1 µl

Acq. Method     : C:\Chem32\1\DATA\ZACH2018\ZACH 2018-05-28 14-22-05\Z3.M
Last changed    : 5/28/2018 4:51:49 AM by Zach Taylor
Analysis Method : C:\CHEM32\1\METHODS\Z4.M
Last changed    : 7/6/2018 9:23:05 PM by Zach Taylor
                  (modified after loading)
Method Info     : Alditol lab.
=====

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                          Area Percent Report
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```

Sorted By      :      Signal
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs

```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	0.639	BB S	0.0166	3.34197e5	3.08629e5	95.65480
2	1.347	BB S	0.0182	6401.08838	5552.89404	1.83214
3	2.096	BB	0.0517	8780.11523	2224.29785	2.51307

```
Totals :                      3.49378e5  3.16406e5
```

```

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*** End of Report ***

```

