PERIODIC REVIEW REPORT
DECEMBER 2018 - DECEMBER 2021

FORMER BORDEN RESIN FACILITY
BAINBRIDGE, CHENANGO COUNTY, NEW YORK 13733

NYSDEC Site No. 709001
Work Assignment No. D009812-19

Prepared for:

NEW YORK STATE OF OPPORTUNITY. Department of Environmental Conservation

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TRC Project No. 441641

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LIST OF ACRONYMS AND ABBREVIATIONS

ALS	ALS Environmental
AMSL	above mean sea level
BTEX	Benzene, Toluene, Ethylbenzene, Xylene
COCs	Contaminants of Concern
CMI	Corrective Measures Implementation
CMS	Corrective Measures Study
CRE	Columbus Real Estate, LLC
DER	Department of Environmental Remediation
DUSRs	Data Usability Summary Reports
ECs	Engineering Controls
EDD	Electronic Data Deliverable
EPA	Environmental Protection Agency
FCM	Final Corrective Measure
FSOB	Final Statement of Basis
ft. bgs	feet below ground surface
ICs	Institutional Controls
ICM	Interim Corrective Measure
Land Application Area	LAA
MCLs	Maximum Contaminant Levels
MW	Monitoring Well
ND	Not detected
NYCRR	New York Codes Rules and Regulations
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PCBs	Polychlorinated Biphenyls
PFAS	Per- and Polyfluoroalkyl Substances
PRA	Phenol Recovery Area
PRR	Periodic Review Report
QAPP	Quality Assurance Project Plan
QA/QC	Quality Assurance/Quality Control
QEP	Qualified Environmental Professional
RA	Remedial Action
RAOs	Remedial Action Objectives
RAR	Remedial Action Report
RCRA	Resource Conservation and Recovery Act
ROD	Record of Decision
SCG	Standard, Criteria, and Guidance
SCOs	Soil Cleanup Objectives
SMP	Site Management Plan
SMR	Site Management Report
SVI	Soil Vapor Intrusion
SVOCs	Semi-volatile Organic Compounds
SMWU	Solid Waste Management Unit
TCL	Target Compound List
TICs	Tentatively Identified Compounds

Executive Summary

Category	Summary/Results	
Engineering Controls	• Soil Cover System	
Institutional Controls	• Deed Restriction • Site Management Plan	• Groundwater use restrictions • SVI Evaluation for new site development • Site Use and Redevelopment restrictions
Site Classification	Class 04	
Site Management Plan	Final SMP dated November 2012	
Certification/Reporting Period	The Certification Period is defined as annually in the SMP. The SMP indicates that the Site owner or remedial party will submit to NYSDEC a written state of certification. The reporting period is defined as 1 year in the SMP. The SMP requires a Periodic Review Report (PRR) to be completed annually.	
Inspection	**Frequency**	
Site Inspection	Annually	
Monitoring	**Frequency**	
Groundwater	Semi-annually in May and November for first 5 years (starting in 2012); Annually in November for the second 5-year period (2018-2022). Frequency to be reevaluated after 2022 groundwater monitoring event.	
Prior PRR/SMR Recommendations	February 19, 2019, prepared by Intertek PSI, no SMRs were completed for the Site	
Site Management Activities	One site inspection, one round of groundwater level measurements, and two groundwater/surface water sampling events: 2019 • 6/12/2019 – Groundwater samples collected from 11 of the 12 monitoring wells in the monitoring network. One surface water sample was collected on 6/12/2019. All samples were submitted to ALS Environmental for analysis. 2021 • 10/19/2021 – 10/21/2021: Site Inspection and groundwater level measurements • 10/19/2021 – 10/21/2021: Groundwater samples were collected from 8 of the 12 monitoring wells in the monitoring network. One surface water sample was collected on 10/20/2021. All samples were submitted to Eurofins TestAmerica Laboratories, Inc. for analysis.	
Significant Findings or Concerns	No significant findings or concerns were identified during the site visit.	
Recommendations	1. The Site inspection frequency should continue annually and following severe weather events (as needed) to certify the ICs/Ecs are functioning as needed.	

	2. Water level measurements should continue to be collected at the Site monitoring wells during inspection and groundwater monitoring events. 3. Frequency of groundwater monitoring will be reevaluated after 2022 monitoring event. 4. MW-16 could not be located and is suspected to be damaged during Site activities. MW-19 and MW-21 were both found to be damaged and could not be sampled. It is recommended that MW-16 be replaced with a new MW, and MW-19 and MW-21 be repaired (or properly decommissioned and replaced if damaged beyond repair).
Cost Evaluation	The total cost of site management activities this reporting period was $17,885. This cost includes engineering and subcontractor costs (e.g., laboratory analytical, equipment, rentals, etc.). It should be noted that this total does not include any direct costs incurred by the NYSDEC in support of the project.

1.0 Introduction

This PRR has been prepared for the Former Borden Resin Facility Site (referred to as "the Site" or "Controlled Property") and covers the period, December 4, 2018 through December 4, 2021. Institutional and engineering controls have been certified by the current Property Owner (10/19/2021) and by TRC (12/4/2021). Institutional and Engineering Control Certifications are provided in Appendix A.

This PRR was prepared in accordance with the NYSDEC Order of Consent Index #A7-01210-87-09 for WA No. D009812-19, executed on November 21, 1990, amended last on November 14, 2008, and NYSDEC DER-10, Technical Guidance for Site Investigation and Remediation. A Site summary and applicable remedial program information are summarized below.

Site Information			
Site Name:	Former Borden Resin Facility	**NYSDEC Site No:**	709001
Site Location:	108-112 North Main Street, Village and Town of Bainbridge, Chenango County, NY 13733	**Remedial Program:**	State Superfund
Site Type:	Resin Facility	**Classification:**	04
Parcel Identification(s):	254-1-42.1, 254-1-43, and 254-1-44.12, Town of Bainbridge Tax Maps; 254-19-1-1.2, 254-19-1-2 and 254-19-1-3, Village of Bainbridge Tax Maps	**Parcel Acreage:**	± 79
Selected Remedy:	Cover System, Groundwater Monitoring	**Site COC(s)*:**	• PCBs • Toluene • Formaldehyde • Phenol
Current Remedial Program Phase:	Site Management	**Institutional Controls:**	• Deed Restriction • Site Management Plan
Post-Remediation Monitoring and Sampling Frequency:	Groundwater monitoring – Annual Site inspection – Annual	**Engineering Controls:**	Soil Cover System
Monitoring Locations:	Onsite monitoring wells (12)	**Required Reporting:**	At a frequency determined by NYSDEC

*Specific COCs in discrete areas of the Site (Solid Waste Management Units [SWMUs]) are identified in Section 6 of the Statement of Basis.

1.1 Site Location, Ownership, and Description

The Site is located at 108-112 North Main Street, Village and Town of Bainbridge, Chenango County, NY 13733, and is identified as 254-1-42.1, 254-1-43, and 254-1-44.12, Town of Bainbridge Tax Maps, and 254-19-

1-1.2, 254-19-1-2 and 254-19-1-3, Village of Bainbridge Tax Maps. The Site parcel has an overall property area of approximately ± 79 acres, is bounded to the north by rural vacant land, to the south by the Delaware & Hudson Railroad lines, to the east by Beatty Creek and rural vacant land, and to the west by occupied commercial and residential land, and rural vacant land. Site location, Site layout, and Site Boundary maps are provided on **Figures 1, 2** and **3**, respectively.

1.2 Investigation/Remedial History

The Site was originally approximately 210 acres, of which 10 acres were occupied by manufacturing facilities, and was owned and operated by Borden, Inc. from the early 1940's until approximately 1981. The manufacturing facility produced solid and liquid synthetic resins such as phenol-formaldehyde, urea-formaldehyde, melamine-formaldehyde, and polyvinyl acetate in on-Site reactor vessels. The facility generated and stored wastes associated with the production of these resins in several areas of the site.

In early 1981, production activities ceased, and Borden began closing the facility in conjunction with the EPA and the NYSDEC. Various sampling events conducted by consultants, EPA, and NYSDEC since 1981 have identified contamination at the site.

In 1990 Borden entered into a Consent Agreement with the State of New York to develop and implement an inactive hazardous waste disposal site remedial program. Facility investigation reports were submitted in July 1992 and August 1996 and approved by NYSDEC in December 1996. A CMS Report was submitted in February 1997 and was revised and approved by the NYSDEC in April 1998. In December 1997 the site was purchased by Columbus Real Estate, LLC (CRE). A final CMI Plan was approved by the NYSDEC in November 1998.

The prior PRR for the Site, which was prepared by Intertek PSI and dated February 19, 2019, indicates that several parcels of the Site were in foreclosed in 2015, and that John W. Payne Enterprise LLC purchased the foreclosed parcels prior to February 2019. The prior PRR also indicates that CRE was prepared to continue carrying out Consent Order obligations related to the Site through the use of a dedicated remediation account and financial assurance accounts. However, on July 3, 2019, CRE notified the NYSDEC that it would not complete the remedial program. The NYSDEC has drawn upon previously established financial assurance funds to complete the remedial program.

Sections of the original 210-acre area have been released from the Order on Consent by NYSDEC. TRC understands that a 111-acre parcel north of the former Borden Facility was released with no outstanding remedial obligations in November 14, 2008. The project site as described in the NYSDEC approved SMP covers a 78.66-acre property.

Soil, sediment and groundwater RCRA Investigations were conducted to evaluate all Solid Waste Management Units (SWMUs). Data from soil/sediment samples and 40 groundwater monitoring wells were gathered to define

the extent of any impacts. From these data, ICM and FCM actions and goals for Site remedy were created and presented in the NYSDEC FSOB dated November 19, 1998.

The SWMUs that were investigated and remediated on the 78.66-acre Site are noted below:

- Polychlorinated biphenyl (PCB) Area;
- Bone Yard;
- Phenol Recovery Area (PRA);
- Land Application Area (LAA);
- Storm/Process Sewers;
- Eastern (Beatty) Creek; and
- Groundwater.

Several RIs were performed to characterize the nature and extent of contamination at the Site. The results of these investigations are described in detail in the following reports:

- RCRA Facility Investigation Report, August 1992, T.M. Gates, Inc.
- Phase II RCRA Facility Investigation Report, August 1996, T.M. Gates, Inc.
- Corrective Measures Study (CMS) Report, February 1997, revised April 1998, T.M. Gates, Inc.
- Revised Groundwater Sampling and Analysis Plan, February 1997, T.M. Gates, Inc.
- Final Corrective Measures Implementation Plan (CMIP), November 1998, T.M. Gates, Inc.
- Certification of Completion Final Corrective Measures Addressing Soil and Sewer Contamination, September 2001, Environmental Resource Management Center, Northern Kentucky University.
- Geoprobe Soil Investigation Results and Recommendations, August 2002, revised October 2002, MACTEC, Inc.
- Enhanced Removal of Source Area Contamination, October 2002, MACTEC, Inc.
- Soil Boring Investigation Report Former Borden Facility, October 2005, MACTEC, Inc.
- Soil Investigation and Treatment Progress Report, January 2006, MACTEC, Inc.
- Status Report, Site Cleanup, Former Borden Resins Facility Soil Excavation – Phenol Recovery Area, September 2006, Environmental Resources Management.
- Status Report – Land Farming Activities Former Borden Resins Facility Soil Excavation – Phenol Recovery Area, October 2008, Environmental Resources Management.
- Test Pit Investigation, Former Borden Resins Facility, June 2008, Environmental Resources Management.

1.3 Remaining Contamination

The remaining contamination at the Site is discussed below by specific area.

PCB Area:

A soil cover system has been placed over this portion of the site to prevent exposure to remaining contamination in soil/fill in the area. Residual concentrations of PCBs in soil located in the northern portion of this SWMU are located at depths ranging from 4 to 6-feet below ground surface (ft bgs) and at concentrations ranging from 2.57 parts per million (ppm) to 3.04 ppm. The residual concentrations of PCBs in soil in the southern portion of this SWMU are located at 7 feet bgs and at a concentration of 7 ppm. The 6 NYCRR Part 375 Soil Cleanup Objective (SCO) for PCBs at the Site is 25 ppm. There are no known active public or private utilities in this area.

Bone Yard Area:

A soil cover system has been placed over this portion of the site to prevent exposure to remaining contamination in soil/fill in the area. Residual concentrations of PCBs in the Bone Yard Area are at concentrations ranging from 1.8 ppm to 21 ppm. The SCO for PCBs at the Site is less than 25 ppm. There are no known active public or private utilities in this area.

Phenol Recovery Area (PRA):

A soil cover system has been placed over this portion of the site to prevent exposure to remaining contamination in soil/fill in the area. The residual concentrations of Phenols in the PRA area range between non-detect and 1,770 ppm. The SCO for Phenols at the Site is 50 ppm.

Land Application Area (LAA):

A soil cover system has been placed over this portion of the site to prevent exposure to remaining contamination in soil/fill in the area. Residual concentrations of PCBs in the LAA range from 1 to 25 ppm. The SCO for PCBs at the Site is 25 ppm. There are no known active public or private utilities in this area.

Storm and Process Sewers:

Sediment within the Storm and Process Sewers has reported PCB concentrations less than 1 ppm. These sediments were not remediated or mitigated.

Groundwater:

Residual groundwater contamination is limited to the PRA and Boneyard areas. The primary COC in the PRA are toluene, benzene, ethylbenzene, xylene, and SVOC TICs. The constituent of concerns

in the Boneyard are PCBs and formaldehyde.

Residual contamination is being managed under the ROD, Deed Restriction, and SMP.

1.4 Regulatory Requirements/Cleanup Goals

A summary of the RAOs, as found in the November 2012 SMP, include the following:

- Compliance with Environmental Deed Restriction(s) and the SMP by the Grantor and Grantor's successors and assigns;
- All Engineering controls must be operated and maintained as specified in the SMP;
- The soil cover ECs on the Site Property must be inspected at a frequency and in a manner defined in the SMP;
- Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;
- Data and information pertinent to Site Management of the Site Property must be reported at the frequency and in a manner defined in the SMP.

2.0 Institutional and Engineering Control Plan Compliance

2.1 Institutional Controls

A series of Institutional Controls, as set forth in the Deed Restriction, are required by the Decision Document to: (1) monitor soil cover system; (2) prevent future exposure to contamination by controlling disturbances of the subsurface; and, (3) limit the use and development of the site to restrictive commercial uses only.

The Site's inclusion on the Registry of Inactive Hazardous Waste Disposal Sites, Decision Document, SMP, and Deed Restriction act as the ICs and require the following for the Site:

- Compliance with the Deed Restriction and the SMP by the Grantor and the Grantor's successors and assigns.
- All ECs must be operated and maintained as specified in the SMP.
- All ECs on the Controlled Property must be inspected at a frequency and in a manner defined in the SMP.
- Groundwater monitoring must be performed as defined by the SMP.
- Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP.
- Institutional controls identified in the Deed Restriction may not be discontinued without an amendment or extinguishment of the Deed Restriction.
- The Site property may only be used for commercial and industrial uses provided that the long-term Engineering and Institutional Controls included in the SMP are employed.
- The Site property may not be used for a higher level of use, such as unrestricted, residential, or restricted residential use without additional remediation and amendment of the Deed Restriction, as approved by the NYSDEC.
- The use of the groundwater underlying the Site is prohibited without treatment rendering it safe for intended use as determined by the NYSDOH.
- A provision for evaluation of the potential for soil vapor intrusion for any buildings developed in the PRA and any potential impacts that are identified must be monitored or mitigated.
- Vegetable gardens and farming on the property are prohibited.
- The Site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such Controlled Property at any time in order to evaluate the continued maintenance of any and all controls.

This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

2.2 Engineering Controls

Soil Cover

Exposure to remaining contamination in soil/fill at the site is prevented by a soil cover system placed over portions of the Site as defined as generally within the area subject to Deed Restriction. These areas are the PCB area, the Boneyard area, the PRA area and the LAA areas. If the soil cover will be breached, penetrated, or temporarily removed and any underlying remaining contamination is disturbed, procedures described in the Excavation Work Plan included in the SMP must be implemented.

3.0 Monitoring and Sampling Plan Compliance

The SMP was prepared to manage contamination remaining on the Site and ensure that the remedy remains effective by restricting site use, site development, and soil management. The SMP and subsequent PRRs prepared by the former Remedial Party specify the following Site monitoring and sampling activities:

Summary Site Monitoring and Sampling Plan			
Site Management Activity	**Frequency**	**Location**	**Laboratory Analysis****
Site Inspection	Annually	Site property, soil cover, and surrounding area	Not Applicable
Groundwater Sampling	Annually*	• MW-2B • MW-21 • MW-17	• PCBs
		• MW-15 • MW-30 • MW-19 • MW-35R • MW-28 • OW-35R	• Benzene, toluene, ethylbenzene, and xylenes (BTEX) • Phenol
		• MW-16 • OW-10R • MW-27	• BTEX • Phenol • Formaldehyde
Surface Water Sampling	Annually	Beatty Creek	• BTEX • Phenol
Site Inspection Report	Following each inspection event	Not Applicable	Not Applicable
PRR	Following site inspection and sampling event at the discretion of NYSDEC	Not Applicable	Not Applicable

* Residual groundwater contamination is limited to the PRA and Boneyard areas. To evaluate any potential reduction in concentrations of contaminants or potential off-site migration, semi-annual groundwater monitoring was completed for the stipulated five-year program (2013 through 2017) to be followed by an additional 5-years of annual sampling (2018 through 2022). The need for continued groundwater sampling will be evaluated by a QEP following the 2022 groundwater sampling event and will be modified (if necessary) with approval by the NYSDEC.

**In addition to the laboratory analyses identified in the preceding table, samples collected in June 2019 were analyzed for emerging contaminants. Included among the suite of emerging contaminants were 1,4-dioxane and 26 Per- and Polyfluoroalkyl Substances (PFAS) compounds.

Groundwater sampling and SMP implementation at the Site was performed by Intertek PSI on behalf of the Remedial Party prior to July 2021. TRC received from NYSDEC the laboratory analytical report Analytical Services Protocol (ASP) Category B deliverable and data validation documentation related to the June 2019 sampling event performed by the Remedial Party. Other relevant documentation (i.e., field sampling forms, photographs, daily reports) was not provided to NYSDEC nor reviewed by TRC for inclusion in this report. Information generated by the Remedial Party between December 2018 and July 2021 has been incorporated into this PRR.

3.1 Site Inspection

TRC conducted a site inspection on October 19 and 20, 2021, in accordance with the SMP. The site inspection was conducted to document the condition of the Site monitoring wells, overall site conditions, and to collect groundwater samples from the monitoring wells and a surface water sample from Beatty Creek. The following presents a summary of the site-wide inspection results:

- The conditions of well casings, covers, and locks were inspected for signs of deterioration/damage. Observations at each monitoring well are summarized in the following table:

Well Identification Number	Description of Condition
MW-2B	No outer protective casing.
MW-15	Standpipe was not locked.
MW-16	Monitoring well was not found. TRC suspects that it was destroyed during recent regrading of area.
MW-17	No outer protective casing.
MW-19	Outer protective casing slightly bent, and no well cap.
MW-21	Destroyed (well casing broken below the ground surface).
MW-27	Good condition.
MW-28	No plug in PVC well casing and standpipe was not locked.
MW-30	No plug in PVC well casing and standpipe was not locked.
MW-35R	Good condition.
OW-10R	No plug in PVC well casing and standpipe was not locked.
OW-35R	Good condition.

- No areas of erosion or deposition were observed in the vicinity of the Soil Cover in the PRA or Boneyard Area.
- Fences were generally found to be intact, with the exception of a hole observed in the northeast corner of the PRA.
- Site access roads were clear and in good condition; however, vegetation was overgrown in the vicinity of monitoring wells.

- The area east of Beatty Creek appears to have been recently disturbed (i.e., regraded and seeded) and the monitoring well located in this area (MW-16) was not found.
- There does not appear to have been any changes in Site use since the 2018 PRR.

An additional summary of the Site management activities performed by Intertek PSI in June 2019, and TRC in October 2021 can be found in the table below.

Summary of Site Management Activities

Site Management Activity	Summary of Results	Maintenance/Corrective Measure Required
Monitoring Well Network	See prior table for comprehensive summary of well conditions.	Wells should be replaced or repaired (i.e., install outer protective casing, plug, and/or lock), as necessary.
Groundwater Gauging	On October 19, 2021, nine of the twelve monitoring wells (MW-2B, MW-15, MW-17, MW-27, MW-28, MW-30, MW-35R, OW-10R, and OW-35R) were gauged for depth to water. Monitoring wells MW-16, MW-19, and MW-21 were either not located or were damaged and therefore were not gauged.	Wells should be replaced or repaired (i.e., install outer protective casing, plug, and/or lock), as necessary.
Groundwater Sampling	On June 10, 2019, eleven (11) of the Site monitoring wells (MW-2B, MW-10R, MW-15, MW-16, MW-17, MW-19, MW-21, MW-27, MW-28, MW-35R, and OW-35R) were sampled by Intertek PSI. On October 19 and 20, 2021, eight (8) of the Site monitoring wells (each gauged well except for MW-17) were sampled utilizing USEPA low-flow sampling methods. MW-17 was purged dry, and a sample was collected by bailer when the well recharged the following day. Monitoring well MW-16 could not be located and MW-21 was destroyed; therefore, samples were not collected from these wells. In addition, MW-19 did not have a well cap and while purging, a thick sludge exhibiting a strong sewage-like odor was observed; therefore, a sample was not collected for analysis from MW-19.	Wells should be replaced or repaired (i.e., install outer protective casing, plug, and/or lock), and redeveloped as necessary.
Surface Water Sampling	On June 10, 2019 and October 20, 2021, surface water samples were collected by Intertek PSI and TRC, respectively, from Beatty Creek.	No routine maintenance or corrective measures needed at this time.

Site and monitoring well inspection forms from TRC's activities can be found in **Appendix B**. Site management activity forms from Intertek PSI were not provided to the Department.

3.2 Groundwater Monitoring Summary

3.2.1 Groundwater Gauging

On October 19, 2021, prior to groundwater sample collection, nine of the Site monitoring wells were gauged for depth to groundwater to evaluate groundwater flow direction. Monitoring wells MW-16, MW-19, and MW-21 were not gauged because they either could not be located (MW-16) or were damaged/destroyed (MW-19 and MW-21). The groundwater surface elevation contours with an interpretation of shallow groundwater flow direction is presented on **Figure 4**. The groundwater gauging and elevation information can be found in **Table 1**. A summary of the hydrogeologic information is presented below:

October 2021 Hydrogeologic Summary			
Number of Wells Gauged	**Hydrogeologic Units**	**Hydrogeologic Strata**	**Monitoring Wells per Unit**
9	1	Overburden	Overburden – 9
Overburden Groundwater Elevation Range			
Highest groundwater elevation: 995.36 feet AMSL (MW-2B) Lowest groundwater elevation: 984.48 feet AMSL (MW-15)			
Inferred Overburden Groundwater Flow Direction			
East			

Notes:
AMSL – Above mean sea level.

3.2.2 Groundwater Sampling

On June 10, 2019, on behalf of the Remedial Party, Intertek PSI collected groundwater samples from monitoring wells MW-2B, MW-10R, MW-15, MW-16, MW-17, MW-19, MW-21, MW-27, MW-28, MW-35R, and OW-35R. Groundwater samples and QA/QC samples (one duplicate sample and one trip blank sample) collected on June 10, 2019 were submitted to ALS of Rochester, New York for the laboratory analyses listed in the table in **Section 3.0** above, with the following exceptions:

- Samples collected from monitoring wells MW-15, MW-17, and MW-27 were also analyzed for the emerging contaminants PFAS and 1,4-dioxane. PFAS analyses were performed by ALS of Kelso, Washington.
- The sample collected from MW-17 was also analyzed for Phenols.
- A sample was not collected from monitoring well MW-30.

In addition, according to the chain of custody, MW-10R was analyzed for BTEX, phenols, and formaldehyde. Since MW-10R is not a well ID in the Site's well network and that suite of analyses (BTEX, phenols, and

formaldehyde) correlates with the analytical scope for OW-10R (which was not listed on the chain of custody), it is presumed that sample name MW-10R refers to a sample collected from monitoring well OW-10R.

On October 19 and 20, 2021, TRC collected groundwater samples from eight of twelve groundwater monitoring wells (MW-2B, MW-15, MW-27, MW-28, MW-30, MW-35R, OW-10R, and OW-35R) in the Site's well network utilizing standard low-flow sampling techniques. In addition, monitoring well MW-17 was purged dry on October 19, 2021. A groundwater sample was collected from MW-17 utilizing a bailer when the well recharged on October 20, 2021. Groundwater samples were not collected from MW-16, MW-19, or MW-21 for the following reasons:

- Monitoring well MW-16 was not able to be found. MW-16 is located in an area that appeared to have been recently regraded and it is likely that this monitoring well was destroyed.
- The casing of monitoring well MW-19 was slightly bent and there was no well cap present. An attempt was made to purge the well, but a sludge exhibiting a strong sewage-like odor was observed.
- Monitoring well MW-21 was destroyed. The casing was broken at the ground surface and tubing was unable to be deployed into the lower section of casing to obtain a sample.

Groundwater sampling logs can be found in **Appendix C**. All nine groundwater samples in addition to standard quality assurance/quality control (QA/QC) samples, collected at the frequencies specified in TRC's July 2020 Generic Quality Assurance Project Plan (QAPP), were submitted to Eurofins TestAmerica Laboratories, Inc. (TestAmerica) of Syracuse, New York for the laboratory analyses listed in the table in **Section 3.0** above. Laboratory deliverables are in accordance with NYSDEC Analytical Services Protocol (ASP) Category B and were subjected to data validation by Vali-Data of WNY, LLC of Fulton, New York.

A summary of the groundwater depth measurements and elevations is presented in **Table 1**.

3.2.3 Groundwater Analytical Results

An exceedance summary of the June 2019 and October 2021 groundwater analytical results is provided on the following tables:

Exceedance Summary of Groundwater Analytical Results
June 2019

Constituent	SCG (µg/L)	Concentration Range (µg/L)	Location with Highest Detection	Frequency Exceeding SCG
VOCs				
Benzene	1	ND-42	MW-15	4/8
Ethylbenzene	5	ND-11	MW-15	1/8
Toluene	5	ND-4,400	MW-15	2/8
Formaldehyde	8	8.8-66	MW-27	3/3
SVOCs				
Total Phenol	1	ND-290,000	MW-15	3/9
Total PCBs	0.09	ND-0.10	MW-17	1/3

Exceedance Summary of Groundwater Analytical Results – Emerging Contaminants June 2019				
Constituent	**SCG* (ng/L)**	**Concentration Range (ng/L)**	**Location with Highest Detection**	**Frequency Exceeding SCG**
PFAS				
Perfluorooctane sulfonic acid (PFOS)	10	0-11	MW-15	1/3
1,4-Dioxane				
No Results above NYSDEC Recommended Guidance Values				

Exceedance Summary of Groundwater Analytical Results October 2021				
Constituent	**SCG (µg/L)**	**Concentration Range (µg/L)**	**Location with Highest Detection**	**Frequency Exceeding SCG**
VOCs				
Benzene	1	ND-41	MW-15	4/9
Toluene	5	ND-4,200	MW-15	3/9
SVOCs				
Total Phenol	1	ND-610,000	MW-15	7/9
Total PCBs	0.09	ND-0.91	MW-2B	2/3

Notes:
µg/L – Micrograms per liter
ng/L – Nanograms per liter
ND – Non-detect.
PCBs – Polychlorinated biphenyls
PFAS – Per- and polyfluoroalkyl substances.
SCG – Standards, Criteria, and Guidance.
SVOCs – Semivolatile organic compounds
VOCs – Volatile organic compounds
* - Recommended Guidance Values from the Guidelines for Sampling and Analysis of PFAS Under NYSDEC's Part 375 Remedial Programs, January 2021.

Note that three samples (BOR-OW-10R-WG, BOR-DUP-2-WG, and BOR-MW-15-WG) required dilution for VOC analysis by Method 8260 to bring the concentration of target analytes within the calibration range. Results of analysis for each of these samples include reporting limits and minimum detection limits for one or more VOC(s) that exceed the corresponding comparison criteria.

A summary of groundwater analytical data can be found in **Table 2**. The laboratory analytical summary reports for June 2019 and October 2021 can be found in **Appendix D**. The DUSRs can be found in **Appendix E**. Detected compounds exceeding their respective NYSDEC Class GA Values for each well are illustrated on **Figure 5**.

3.3 Surface Water Monitoring Summary

On June 10, 2019, on behalf of the Remedial Party, Intertek PSI collected one surface water sample from Beatty Creek. The surface water sample collected on June 10, 2019 was submitted to ALS of Rochester, New York for the laboratory analyses listed in the table in **Section 3.0** above**.**

On October 20, 2021, TRC collected one surface water sample using a bailer. The surface water sample was collected and submitted to Pace of Syracuse, New York for the laboratory analyses listed in **Section 3.0** above.

The results of analysis of surface water sample collected in June 2019 and October 2021 did not exceed the applicable criteria. The surface water sampling log can be found in **Appendix D**.

4.0 Cost Summary

The total estimated cost of the site management activities for 2021 (July 2021 through December 31, 2021) is approximately $17,885. Site management activities included project management/administration, site inspection, sampling of 9 of 12 monitoring wells and 1 surface water location, and preparation of a PRR. The total includes engineering and subcontractor costs, as well as expenses associated with the project. It should be noted that the total does not include costs incurred by NYSDEC for project support or the call out laboratory, nor does it include the cost for groundwater sampling performed by Intertek PSI on behalf of the remedial party or any other activities performed prior to July 2021. A summary of the 2021 site management costs is presented below:

Summary of Site Management Costs July through December 2021		
Cost Item	**Amount Expended (July through December 2021)**	**Percent of Total Cost**
Engineering Support		
TRC	$13,900	78%
Subcontractors		
Eurofins TestAmerica	$1,730	10%
Vali-data of WNY, LLC	$575	3%
Expenses		
TRC	$1,680	9%
Total Cost	**$17,885**	----

The following provides a review of each cost item:

- Engineering support includes labor costs associated with project management (e.g., WA Package preparation, monthly invoicing, project scheduling and coordination, etc.), site inspections, groundwater sampling, and reporting (i.e., site inspection report, EDDs and PRR).
- Subcontractors include analytical laboratory and data validation costs associated with the groundwater sampling event.
- Expense costs include travel, equipment, and supplies in support of the site inspection, groundwater sampling event, and routine site maintenance activities.

5.0 Conclusions and Recommendations

5.1 Conclusions

- Based on the groundwater elevations measured during the October 2021 sampling event, groundwater flow in the overburden aquifer appears to be to the east towards Beatty Creek. This observation is consistent with historical reporting.
- Site COCs, including Benzene, Ethylbenzene, Toluene, and Formaldehyde were detected at concentrations exceeding their respective Class GA Values in groundwater samples collected from the Site in June 2019. Site COCs, including Benzene and Toluene were detected at concentrations exceeding their respective Class GA Values in groundwater samples collected from Site in October 2021. These detections from both sampling events are consistent with historical analytical results.
- Total Phenols were detected at concentrations exceeding their respective guidance values at three of the groundwater samples collected from Site in June 2019, and at seven of the groundwater samples collected from Site in 2021. The detections were consistent with historical analytical results with the exception of MW-15 and OW-10R, where exceedances were higher than historic analytical results in June 2019.
- PCBs were detected at concentrations exceeding their respective recommended guidance values at one of two groundwater samples collected from the Site in October 2021, and from one of the three groundwater samples collected from the Site in June 2019. The detections were consistent with historical analytical results.
- PFAS compounds were detected at concentrations exceeding their respective recommended guidance values in one groundwater sample collected from the Site in June 2019.
- Site and groundwater use were consistent with the restrictions set forth in the November 2012 SMP and Deed Restriction. Groundwater monitoring activities were completed in October 2021 for the 2021 certification period. The ICs operated as intended during this reporting period.
- The remedy continued to be protective of human health and the environment during this reporting period.

5.2 Recommendations

- Annual Site inspections should continue to verify the ICs and ECs are in-place and effective to observe any future development of the Site. One Site inspection report should also be completed following the inspection event.
- Water level measurements should continue to be collected at the Site monitoring wells during the inspection and groundwater monitoring events.

- The frequency of the Site inspection and groundwater monitoring events should be reevaluated after the 2022 event.
- MW-16 could not be located and is suspected to be damaged during the reporting period. MW-19 and MW-21 were both found to be damaged and could not be sampled. It is recommended that MW-16 be replaced with a new monitoring well, and MW-19 and MW-21 be repaired (or replaced if damaged beyond repair).

6.0 Certification of Engineering and Institutional Controls

Except for monitoring wells MW-16 , MW-19, and MW-21, which are either damaged or destroyed, for each institutional or engineering control identified for the Site, I certify that all of the following statements are true:

- The institutional and/or engineering control employed at this Site is unchanged from the date the control was put in place, or last approved by DER;
- Nothing has occurred that would impair the ability of such control to protect public health and the environment; and,
- Nothing has occurred that would constitute a violation or failure to comply with any Site Management Plan for this control.

TRC Engineers, Inc.

Prepared By: _____

Jenna Raup

Senior Project Manager

Reviewed By: _____

Charles Guder

Senior Technical Reviewer

7.0 Future Site Activities

Based on the recommendations in **Section 5.0**, the following site management activities will be completed during the next PRR reporting period (December 4, 2021 to December 4, 2022):

- Site Inspections – Annually (next scheduled: Q4 2022)
- Severe Weather Event Inspection – As needed
- Well Repair – As needed (Q2 2022)
- Groundwater – Annually (next scheduled: Q4 2022)
- PRR – Annually (next scheduled: Q2 2023)

FIGURES

LEGEND (SYMBOLS NOT TO SCALE)

- SITE LOCATION

BASE MAP: USGS TOPOGRAPHIC IMAGERY
DATA SOURCES: TRC
SHEET SIZE: 8X11P

N

0 1,000 2,000

FEET

1:24,000 1" = 2,000'

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
BORDEN CHEMICAL - SITE NO. 709001
108-112 NORTH MAIN STREET
BAINBRIDGE, NEW YORK 13733

TITLE:

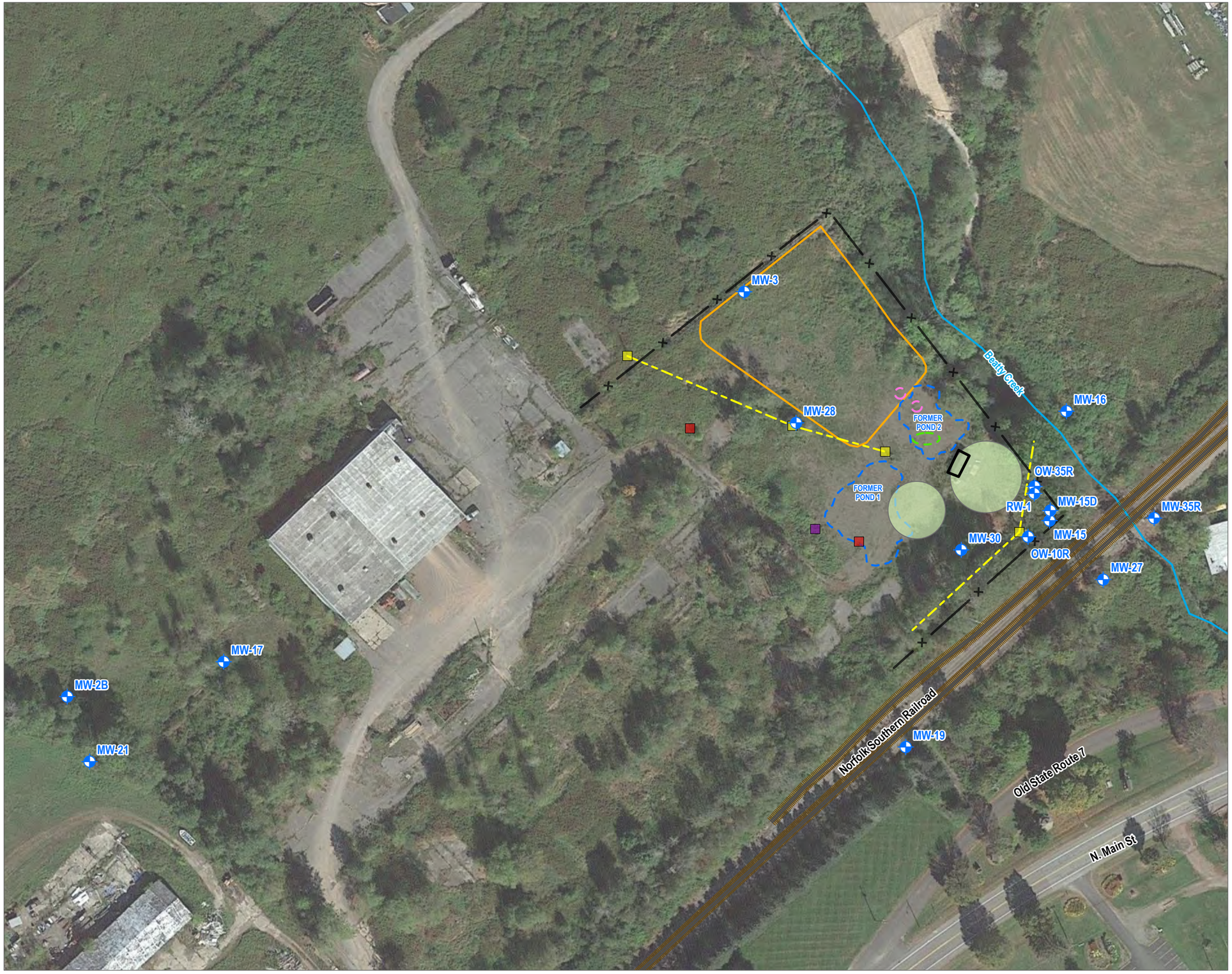
SITE LOCATION MAP

DRAWN BY:	L. LILL	PROJ. NO.:	441641.0000.0000
CHECKED BY:	J. BONE		
APPROVED BY:	J. MAGDA		**FIGURE 1**
DATE:	FEBRUARY 2022		

TRC
10 Maxwell Drive
Clifton Park, NY 12065
Phone: 518-348-1190
www.TRCcompanies.com

FILE: SITELOCATION

COORDINATE SYSTEM: NAD 1983 STATEPLANE NEW YORK CENTRAL FIPS 3102 FEET; MAP ROTATION: 0
-- SAVED BY: MGIAMBATTISTA ON 2/11/2022 16:29:14 PM -- FILE PATH: F:\1-PROJECTS\NYSDEC\441641_BORDENCHEMICAL\12-APRX\SITELOCATION\SITELOCATION APRX -- LAYOUT NAME: FIGURE 1 - BORDEN CHEMICAL SITE LOCATION MAP



LEGEND (SYMBOLS NOT TO SCALE)

- MONITORING WELL
- STANDPIPE
- UTILITY POLE
- FIRE HYDRANT
- FENCE
- OVERHEAD ELECTRIC LINE
- RAILROAD TRACKS
- LOCATION OF FORMER TREATMENT SHED
- LOCATION OF FORMER ABOVEGROUND TANK
- LOCATION OF FORMER POND
- LOCATION OF FORMER PRA LAND FARMING OPERATIONS
- WOODY DEBRIS PILE
- SOIL PILE

NOTES:

1. MW-16 WAS NOT ABLE TO BE LOCATED.
2. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES ARE APPROXIMATE.
3. IN ACCORDANCE WITH THE TRC GENERIC QAPP AND NYSDEC EQUIS FORMATTING, ALL COLLECTED SAMPLES WILL ADDITIONALLY INCLUDE THE SITE NAME PREFIX "BC-".

1:1,200
1" = 100'

BASE MAP: GOOGLE EARTH IMAGERY
DATA SOURCES: TRC
SHEET SIZE: 11X17L

0 100 200 FEET

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
BORDEN CHEMICAL - SITE NO. 709001
108-112 NORTH MAIN STREET
BAINBRIDGE, NEW YORK 13733

TITLE:
SITE LAYOUT MAP

DRAWN BY:	L. LILL	PROJ. NO.:	441641.0000.0000
CHECKED BY:	J. BONE		
APPROVED BY:	J. MAGDA		FIGURE 2
DATE:	FEBRUARY 2022		

TRC
10 Maxwell Drive, Suite 200
Clifton Park, NY 12065
Phone: 518-348-1190
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FILE: sitevisitmap.aprx

Coordinate System: NAD 1983 StatePlane New York Central FIPS 3102 Feet; Map Rotation: 0
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LEGEND (SYMBOLS NOT TO SCALE)

- BORDEN CHEMICAL SITE BOUNDARY
- CHENANGO COUNTY TAX PARCELS

NOTES:

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND BOUNDARIES ARE APPROXIMATE.

N

1:4,800
1" = 400'

BASE MAP: GOOGLE EARTH IMAGERY
DATA SOURCES: TRC, CHENANGO COUNTY NY GIS
SHEET SIZE: 11X17L

0 200 400
FEET

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
BORDEN CHEMICAL - SITE NO. 709001
108-112 NORTH MAIN STREET
BAINBRIDGE, NEW YORK 13733

TITLE:
SITE LAYOUT MAP

DRAWN BY:	L. LILL	PROJ. NO.:	441641.0000.0000
CHECKED BY:	J. KING		**FIGURE 3**
APPROVED BY:	J. MAGDA		
DATE:	JUNE 2022		

TRC
10 Maxwell Drive, Suite 200
Clifton Park, NY 12065
Phone: 518-348-1190
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FILE: sitevisitmap.aprx

Coordinate System: NAD 1983 StatePlane New York Central FIPS 3102 Feet; Map Rotation: 0
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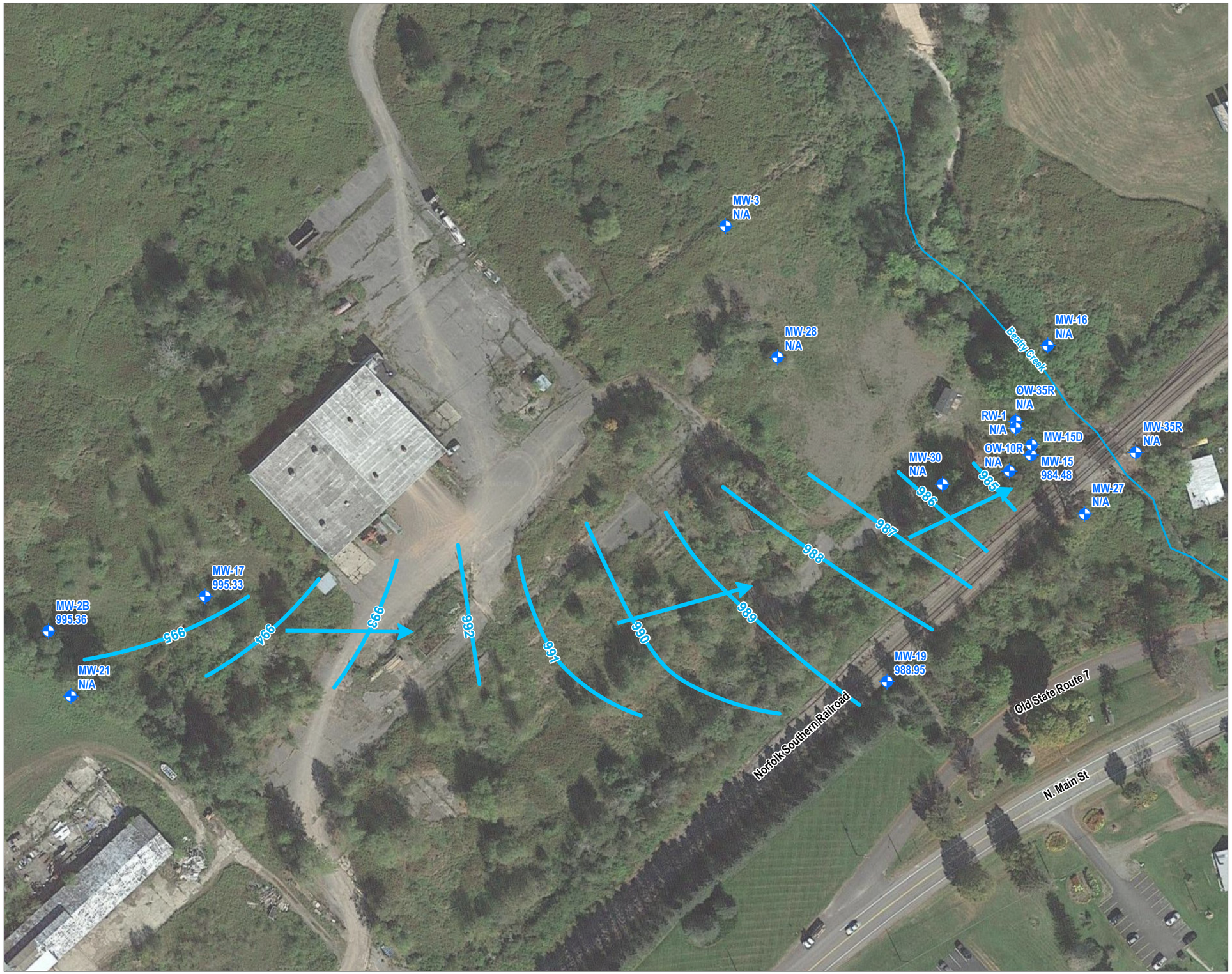

LEGEND (SYMBOLS NOT TO SCALE)

- MONITORING WELL
- GROUNDWATER SURFACE FLOW DIRECTION
- GROUNDWATER SURFACE ELEVATION CONTOUR (FEET AMSL)
- 984.48 GROUNDWATER SURFACE ELEVATION (FEET AMSL)

NOTES:

1. POTENTIOMETRIC SURFACE ELVATIONS WERE COLLECTED ON OCTOBER 19, 2021.
2. AMSL - ABOVE MEAN SEA LEVEL
3. N/A - GROUNDWATER ELEVATION NOT AVAILABLE

1:1,200 BASE MAP: GOOGLE EARTH IMAGERY
1" = 100' DATA SOURCES: TRC
SHEET SIZE: 11X17L

0 100 200 FEET

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
BORDEN CHEMICAL - SITE NO. 709001
108-112 NORTH MAIN STREET
BAINBRIDGE, NEW YORK 13733

TITLE:
GROUNDWATER SURFACE ELEVATION CONTOUR MAP - OCTOBER 2021

DRAWN BY:	L. LILL	PROJ. NO.:	441641.0000.0000
CHECKED BY:	J. BONE		FIGURE 4
APPROVED BY:	J. MAGDA		
DATE:	FEBRUARY 2022		

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Phone: 518-348-1190
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FILE: gwelevations.aprx

Coordinate System: NAD 1983 StatePlane New York Central FIPS 3102 Feet; Map Rotation: 0
Saved By LEGOHKS on 2/16/2022 11:09:18 AM; File Path: \\empyvesa\gis\arcgispro\1-PROJECTS\NYSDEC\441641_BordenChemical\2-APRX\gwelevations\gwelevations.aprx; Layout Name: Figure 3 - Borden Chemical GW Elevations

ANALYTE	GWQS
Analyte	**ug/L**
Benzene	**1**
Ethylbenzene	**5**
Toluene	**5**
Formaldehyde	**8**
Phenols	**1**
Total PCBs	**0.09**

OW-35R		
	Jun-19	Oct-21
Analyte	(ug/L)	
Benzene	**1.3 J**	**2.8**
Phenols	**2.0 BJ**	**6.2**

MW-16	
	Jun-19
Analyte	(ug/L)
Formaldehyde	**8.8 J**

MW-28		
	Jun-19	Oct-21
Analyte	(ug/L)	
Benzene	**2.6 J**	**3.9**
Phenols	ND	**4.6 J**

MW-35R		
	Jun-19	Oct-21
Analyte	(ug/L)	
Phenols	ND	**5**

MW-2B			DUP-1
	Jun-19	Oct-21	Oct-21
Analyte	(ug/L)		
Total PCBs	ND	**0.91**	**0.78**

MW-30	
	Oct-21
Analyte	(ug/L)
Phenols	**8.1**

MW-17		
	Jun-19	Oct-21
Analyte	(ug/L)	
Total PCBs	**0.10**	ND

OW-10R			DUP-2
	Jun-19	Oct-21	Oct-21
Analyte	(ug/L)		
Benzene	**5.5**	**14**	**16**
Toluene	**30**	**470**	**600**
Formaldehyde	**53**	ND	ND
Phenols	**450**	**24,000**	**30,000**

MW-27		
	Jun-19	Oct-21
Analyte	(ug/L)	
Formaldehyde	**66**	ND
Phenols	ND	**2.9 J**

MW-15		
	Jun-19	Oct-21
Analyte	(ug/L)	
Benzene	**42 J**	**41 J**
Ethylbenzene	**11 J**	ND
Toluene	**4,400**	**4,200**
Phenols	**290,000**	**610,000**
Analyte	(ng/L)	
PFOS	**11**	NS

MW-3
MW-28
MW-16
OW-35R
RW-1
MW-15D
MW-35R
MW-30
MW-15
OW-10R
MW-27
MW-2B
MW-17
MW-21
MW-19
Beatty Creek
Norfolk Southern Railroad
Old State Route 7
N. Main St
Hemlock Village Ct
Whitney Way

LEGEND (SYMBOLS NOT TO SCALE)

MONITORING WELL

NOTES:

1. GROUNDWATER SAMPLES WERE COLLECTED ON JUNE 12, 2019 AND OCTOBER 19, 2021.

FOR FIGURE CLARITY:

1. CONSTITUENTS AND INDIVIDUAL COMPOUNDS NOT SHOWN WERE EITHER NOT DETECTED OR DID NOT EXCEED THEIR RESPECTIVE GWQS.
2. LABORATORY ANALYTICAL DATA QUALIFIERS HAVE BEEN OMITTED, REFER TO THE SUMMARY DATA TABLES FOR ANALYTICAL DETAILS REGARDING QUALIFIERS.
3. VALUES SHOWN IN BOLD AND SHADED TYPE EXCEEDED THE LISTED GUIDANCE VALUE.
4. 2019 SAMPLE ANALYSIS: BTEX, PHENOLS, FORMALDEHYDE, 1,4-DIOXANE, PCBS, AND PFAS.
5. 2021 SAMPLE ANALYSIS: BTEX, PHENOLS, FORMALDEHYDE, PCBS.

LIST OF ACRONYMS:

UG/L - MICROGRAMS PER LITER
GWQS - NYSDEC TOGS 1.1.1 AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES FOR CLASS GA WATER, JUNE 1998
J - RESULT IS LESS THAN THE RL BUT GREATER THAN THE MDL AND THE CONCENTRATION IS AN APPROXIMATE VALUE
ND - NOT DETECTED
NS - NOT SAMPLED
PCBS - POLYCHLORINATED BIPHENYLS
PFOS - PERFLUOROOCTANE SULFONIC ACID
U - ANALYTE WAS NOT DETECTED AT SPECIFIED REPORTING LIMIT

N

1:1,800
1" = 150'

BASE MAP: GOOGLE EARTH IMAGERY
DATA SOURCES: TRC
SHEET SIZE: 11X17L

0 150 300 FEET

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
BORDEN CHEMICAL - SITE NO. 709001
108-112 NORTH MAIN STREET
BAINBRIDGE, NEW YORK 13733

TITLE:
SUMMARY OF DETECTED COMPOUNDS EXCEEDING NYSDEC GROUNDWATER QUALITY STANDARDS/GUIDANCE - JUNE 2019 & OCTOBER 2021

DRAWN BY:	L. LILL	PROJ. NO.:	441641.0000.0000
CHECKED BY:	J. BONE		**FIGURE 5**
APPROVED BY:	J. MAGDA		
DATE:	APRIL 2022		

TRC
10 Maxwell Drive
Clifton Park, NY 12065
Phone: 518-348-1190
www.TRCcompanies.com

FILE: summaryexceedance.aprx

Coordinate System: NAD 1983 StatePlane New York Central FIPS 3102 Feet; Map Rotation: 0
Stored By: LLILL on 4/7/2022 - 12:05:34 PM - File Path: T:\PROJECTS\NYSDEC\441641.BordenChemical\2-APRX\summaryexceedance\summaryexceedance.aprx - Layout Name: Figure 4 - Borden Chemical Summary Exceedance

TABLES

Table 1
New York State Department of Environmental Conservation
Former Borden Chemical Facility - Site No. 709001
Periodic Review Report
Bainbridge, New York
Summary of Depth to Water Measurements and Groundwater Elevations

Well ID	Screened Formation	Casing Elevation[1] (feet)	Depth to Bottom (feet below TOC)	Gauge Date	Depth to Water (feet below TOC)	Groundwater Elevation[1] (feet AMSL)
MW-2B	Fill	999.80	12	10/19/2021	4.44	995.36
MW-15	Fill / Clayey Silt	995.70	14	10/19/2021	11.22	984.48
MW-16	Clayey Silt	**	Well not found			
MW-17	Clayey Silt	1000.90	15	10/19/2021	5.57	995.33
MW-19	Silt	998.70	11	10/19/2021	9.75	988.95
MW-21	Silt	999.50	Well destroyed			
MW-27	Silty Clay	**	10	10/19/2021	5.11	NA
MW-28	Silty Clay	**	17	10/19/2021	4.34	NA
MW-30	Silty Clay	**	14	10/19/2021	8.35	NA
MW-35R	*	**	14	10/19/2021	4.95	NA
OW-10R	*	**	18	10/19/2021	12.12	NA
OW-35R	*	**	18	10/19/2021	10.41	NA

Notes:
[1] Elevations based on well construction logs obtained from July 1992 Draft RFI by T.M. Gates, Inc.
ID - Identification
TOC - Top of Casing
NA - Not Available
* - Well construction data is not available for this well
** - Well elevation data is not available for this well
AMSL - Above Mean Sea Level

Table 2
New York State Department of Environmental Conservation
Former Borden Chemical Facility - Site No. 709001
Periodic Review Report
Bainbridge, New York
Summary of Groundwater and Surface Water Sampling Analytical Results

	Sample Location:		MW-2B			MW-15			MW-16		MW-17			MW-19	MW-21	MW-27		MW-28		MW-30	MW-35R		OW-10R			OW-35R		Beatty Creek		Unknown
	Sample Name:		MW-2B	BOR-MW-2B-WG	BOR-DUP-1-WG	MW-15	BOR-MW-15-WG		MW-16		MW-17	BOR-MW-17-1-WG		MW-19	R1905417-012	MW-27	BOR-MW-27-WG	MW-28	BOR-MW-28-WG	BOR-MW-30-WG	MW-35R	BOR-MW-35R-WG	OW-10R	BOR-OW-10R-WG	BOR-DUP-2-WG	OW-35R	BOR-OW-35R-WG	Beatty Creek	BOR-BC-SMP-WS	Dupe
	Laboratory Sample ID:		R1905417-010	480-191204-1	480-191204-3	R1905417-003	480-191204-13		R1905417-001		R1905417-011	480-191204-4		R1905417-008	480-191204-	R1905417-002	480-191204-2	R1905417-004	480-191204-6	480-191204-	R1905417-005	480-191204-14	R1905417-009	480-191204-8	480-191204-10	R1905417-006	480-191204-9	R1905417-007	480-191204-5	R1905417-013
	Date Sample Collected:		6/12/2019	10/19/2021	10/19/2021	6/12/2019	10/20/2021		6/12/2019		6/12/2019	10/20/2021		6/12/2019	6/12/2019	6/12/2019	10/19/2021	6/12/2019	10/20/2021	10/20/2021	6/12/2019	10/19/2021	6/12/2019	10/20/2021	10/20/2021	6/12/2019	10/20/2021	6/12/2019	10/20/2021	6/12/2019
Analyte	Unit	Class GA Value[1]	Results	Results	Results	Results	Results		Results		Results	Results		Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Benzene	ug/L	1	NA	NA	NA	**42**	**41**	J	0.2	U	NA	NA		**0.28** J	NA NA	**0.63** J	1.0 U	**2.6** J	**3.9**	1.0 U	0.2 U	1.0 U	**5.5**	**14**	**16**	**1.3** J	**2.8**	0.2 U	1.0 U	**6.6**
Ethylbenzene	ug/L	5	NA	NA	NA	**11**	50	U	0.2	U	NA	NA		0.2 U	NA NA	0.2 U	1.0 U	0.2 U	1.0 U	1.0 U	0.2 U	1.0 U	**1.6** J	10 U	10 U	0.2 U	1.0 U	0.2 U	1.0 U	**1.8** J
Toluene	ug/L	5	NA	NA	NA	**4.400**	**4,200**		0.2	U	NA	NA		0.2 U	NA NA	0.2 U	1.0 U	**0.22** J	1.0 U	1.0 U	0.2 U	1.0 U	**30**	**470**	**600**	**.47** J	**0.90** J	0.2 U	1.0 U	**38**
Xylenes, total	ug/L	5	NA	NA	NA	0.5 U	100 U		0.2	U	NA	NA		0.2 U	NA NA	0.2 U	2 U	**0.27** J	2 U	2 U	0.2 U	2 U	**1.26** J	20 U	20 U	**.77** J	**0.97** J	0.2 U	2 U	**1.49** J
Formaldehyde	ug/L	8	NA	NA	NA	NA	NA		**8.8** J		NA	NA		NA	NA	**66**	0.05 U	NA	NA	NA	NA	NA	**53**	0.05 U	0.05 U	NA	NA	NA	NA	NA
Phenols	ug/L	1	NA	NA	NA	**290,000**	**610,000**		1.0	U	1.0 U	NA		1.0 U	NA NA	1.0 U	**2.9** J	1.0 U	**4.6** J	**8.1**	1.0 U	**5**	**450**	**24,000**	**30000**	**2.0** BJ	**6.2**	1.1 U	5 U	NA
1,4-Dioxane	ug/L	1	NA	NA	NA	**0.097**	NA		NA		NA	NA		NA	NA	**0.087**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1016	ug/L	5	0.037 U	0.5 U	0.5 U	NA	NA		NA		0.037 U	0.5 U		NA	0.037 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1221	ug/L	5	0.035 U	0.5 U	0.5 U	NA	NA		NA		0.035 U	0.5 U		NA	0.035 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1232	ug/L	5	0.025 U	0.5 U	0.5 U	NA	NA		NA		0.025 U	0.5 U		NA	0.025 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1242	ug/L	5	0.025 U	**0.91**	**0.78**	NA	NA		NA		0.025 U	0.5 U		NA	0.025 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1248	ug/L	5	0.027 U	0.5 U	0.5 U	NA	NA		NA		**0.10**	0.5 U		NA	0.027 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1254	ug/L	5	0.025 U	0.5 U	0.5 U	NA	NA		NA		0.025 U	0.5 U		NA	0.025 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1260	ug/L	5	0.025 U	0.5 U	0.5 U	NA	NA		NA		0.025 U	0.5 U		NA	0.025 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs[3]	ug/L	0.09[2]	0.037 U	**0.91**	**0.78**	NA	NA		NA		**0.10**	0.5 U		NA	0.037 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Per- and Polyfluoroalkyl Substances (PFAS)	Unit	Comparison Value[4]	Results	Results	Results	Results	Results		Results		Results	Results		Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Perfluoroalkane Sulfonic Acids																														
Perfluorobutane sulfonic acid (PFBS)	ng/L	100	NA	NA	NA	**0.88**	NA		NA		**0.66**	NA		NA	NA	**0.54**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.80**
Perfluorohexane sulfonic acid (PFHxS)	ng/L	100	NA	NA	NA	**3.6**	NA		NA		1.3 U	NA		NA	NA	1.3 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2.4** J
Perfluoroheptane sulfonic acid (PFHpS)	ng/L	100	NA	NA	NA	0.44 U	NA		NA		0.44 U	NA		NA	NA	0.44 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.44 U
Perfluorooctane sulfonic acid (PFOS)	ng/L	10	NA	NA	NA	**11**	NA		NA		**1.3** J	NA		NA	NA	**5.7**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**11**
Perfluorodecane sulfonic acid (PFDS)	ng/L	100	NA	NA	NA	0.30 U	NA		NA		0.30 U	NA		NA	NA	0.30 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.30 U
Perfluoroalkane Carboxylic Acids																														
Perfluorobutanoic acid (PFBA)	ng/L	100	NA	NA	NA	0.40 U	NA		NA		**4.8**	NA		NA	NA	**1.9** J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.40 U
Perfluoropentanoic acid (PFPeA)	ng/L	100	NA	NA	NA	**4.1** J	NA		NA		1.7 U	NA		NA	NA	1.7 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3.6** J
Perfluorohexanoic acid (PFHxA)	ng/L	100	NA	NA	NA	8.8 U	NA		NA		8.8 U	NA		NA	NA	8.8 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.8 U
Perfluoroheptanoic acid (PFHpA)	ng/L	100	NA	NA	NA	**3.8** J	NA		NA		**1.5** J	NA		NA	NA	0.63 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3.1** J
Perfluorooctanoic acid (PFOA)	ng/L	10	NA	NA	NA	**3.4**	NA		NA		**2.0**	NA		NA	NA	**1.2** J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3.2**
Perfluorononanoic acid (PFNA)	ng/L	100	NA	NA	NA	1.1 U	NA		NA		1.1 U	NA		NA	NA	1.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.1 U
Perfluorodecanoic acid (PFDA)	ng/L	100	NA	NA	NA	1.2 U	NA		NA		1.2 U	NA		NA	NA	1.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.2 U
Perfluoroundecanoic acid (PFUnDA)	ng/L	100	NA	NA	NA	1.5 U	NA		NA		1.5 U	NA		NA	NA	1.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.5 U
Perfluorododecanoic acid (PFDoDA)	ng/L	100	NA	NA	NA	1.3 U	NA		NA		1.3 U	NA		NA	NA	1.3 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.3 U
Perfluorotridecanoic acid (PFTrDA)	ng/L	100	NA	NA	NA	1.3 U	NA		NA		1.3 U	NA		NA	NA	1.3 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.3 U
Perfluorotetradecanoic acid (PFTeDA)	ng/L	100	NA	NA	NA	2.0 U	NA		NA		2.0 U	NA		NA	NA	2.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.0 U
Perfluoroalkyl Sulfonamides																														
Perfluorooctane sulfonamide (FOSA)	ng/L	100	NA	NA	NA	0.52 U	NA		NA		0.52 U	NA		NA	NA	0.52 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.52 U
N-Methyl perfluorooctane sulfonamidoacetic acid	ng/L	100	NA	NA	NA	1.4 U	NA		NA		1.4 U	NA		NA	NA	1.4 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.4 U
N-Ethyl perfluorooctane sulfonamidoacetic acid	ng/L	100	NA	NA	NA	0.50 U	NA		NA		0.50 U	NA		NA	NA	0.50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.50 U
(n:2) Fluorotelomer Sulfonic Acids																														
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	ng/L	100	NA	NA	NA	0.55 U	NA		NA		0.55 U	NA		NA	NA	0.55 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.55 U
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	ng/L	100	NA	NA	NA	0.15 U	NA		NA		0.15 U	NA		NA	NA	0.15 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.15 U
Total PFAS[3]	ng/L	500	NA	NA	NA	**26.80**	J	NA	NA		**10.26**	J	NA	NA	NA	**9.34**	J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**24.1** J

Notes:

[1] - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA water, June 1998 with the April 2000 Addendum.

[2] - Sum of all PCBs.

[3] - Concentrations shown are the sum of detected values, including estimated detected values.

[4] - Guidelines for Sampling and Analysis of PFAS, NYSDEC Part 375 Remedial Programs, January 2021.

B - Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
Duplicate 1 collected from MW-2B.
Duplicate 2 collected from OW-10R.
J - Result is less than the RL but greater than the MDL and the concentration is an approximate value.
MDL - Method detection limit
NA - Not analyzed
ng/L - Nanograms per liter
PCB - Polychlorinated biphenyl
RL - Reporting limit
Sample location of "Dupe" is unknown.
U - Analyte was not detected at specified reporting limit.
ug/L - Micrograms per liter
Values in **bold** indicate the compound was detected.
Values shown in bold and shaded type exceed the listed comparison criteria.

APPENDIX A

Enclosure 1

Certification Instructions

I. Verification of Site Details (Box 1 and Box 2):

Answer the three questions in the Verification of Site Details Section. The Owner and/or Qualified Environmental Professional (QEP) may include handwritten changes and/or other supporting documentation, as necessary.

II. Certification of Institutional Controls/ Engineering Controls (IC/ECs)(Boxes 3, 4, and 5)

1. Review the listed IC/ECs, confirming that all existing controls are listed, and that all existing controls are applicable. If there is a control that is no longer applicable the Owner / Remedial Party should petition the Department separately to request approval to remove the control.

2. In Box 5, complete certifications for all Plan components, as applicable, by checking the corresponding checkbox.

3. If you cannot certify "YES" for each Control listed in Box 3 & Box 4, sign and date the form in Box 5. Attach supporting documentation that explains why the **Certification** cannot be rendered, as well as a plan of proposed corrective measures, and an associated schedule for completing the corrective measures. Note that this **Certification** form must be submitted even if an IC or EC cannot be certified; however, the certification process will not be considered complete until corrective action is completed.

If the Department concurs with the explanation, the proposed corrective measures, and the proposed schedule, a letter authorizing the implementation of those corrective measures will be issued by the Department's Project Manager. Once the corrective measures are complete, a new Periodic Review Report (with IC/EC Certification) must be submitted within 45 days to the Department. If the Department has any questions or concerns regarding the PRR and/or completion of the IC/EC Certification, the Project Manager will contact you.

III. IC/EC Certification by Signature (Box 6 and Box 7**):**

If you certified "YES" for each Control, please complete and sign the IC/EC Certifications page as follows:

- For the Institutional Controls on the use of the property, the certification statement in Box 6 shall be completed and may be made by the property owner or designated representative.

- For the Engineering Controls, the certification statement in Box 7 must be completed by a Professional Engineer or Qualified Environmental Professional, as noted on the form.

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. 709001

Site Name Borden Chemical

Site Address: 108-112 North Main Street Zip Code: 13733
City/Town: Bainbridge
County: Chenango
Site Acreage: 10.000

Reporting Period: December 04, 2018 to December 04, 2021

	YES	NO
1. Is the information above correct?	X	❑
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	❑	X
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	❑	X
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	❑	X

If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.

5. Is the site currently undergoing development?	❑	X

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Industrial	X	❑
7. Are all ICs in place and functioning as designed?	X	❑

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

_____ _____
Signature of Owner, Remedial Party or Designated Representative Date

SITE NO. 709001

Description of Institutional Controls

Parcel	Owner	Institutional Control
254.-1-42.1	John W. Payne Enterprise LLC	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan O&M Plan IC/EC Plan

Site use restricted to commercial or industrial. Deed restriction requires compliance with SMP. SMP addresses residual PCBs in soil in some portions of the site. SMP also addresses groundwater contamination/monitoring and reporting provisions.

254.-1-43	John W. Payne Enterprise LLC	IC/EC Plan Site Management Plan O&M Plan Monitoring Plan Soil Management Plan Ground Water Use Restriction Landuse Restriction

Site use restricted to commercial or industrial. Deed restriction requires compliance with SMP. SMP addresses residual PCBs in soil in some portions of the site. SMP also addresses groundwater contamination/monitoring and reporting provisions.

254.-1-44.12	John W. Payne Enterprise LLC	Soil Management Plan Landuse Restriction Ground Water Use Restriction Monitoring Plan Site Management Plan O&M Plan IC/EC Plan

Site use restricted to commercial or industrial. Deed restriction requires compliance with SMP. SMP addresses residual PCBs in soil in some portions of the site. SMP also addresses groundwater contamination/monitoring and reporting provisions.

254.19-1-1.2	John W. Payne Enterprise LLC	Monitoring Plan O&M Plan Site Management Plan Ground Water Use Restriction Landuse Restriction Soil Management Plan IC/EC Plan

Site use restricted to commercial or industrial. Deed restriction requires compliance with SMP. SMP addresses residual PCBs in soil in some portions of the site. SMP also addresses groundwater contamination/monitoring and reporting provisions.

254.19-1-2	John W. Payne Enterprise LLC	IC/EC Plan Soil Management Plan Landuse Restriction Ground Water Use Restriction Site Management Plan O&M Plan Monitoring Plan

Site use restricted to commercial or industrial. Deed restriction requires compliance with SMP. SMP

addresses residual PCBs in soil in some portions of the site. SMP also addresses groundwater contamination/monitoring and reporting provisions.

254.19-1-3 John W. Payne Enterprise LLC

O&M Plan
Site Management Plan
Monitoring Plan
Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
IC/EC Plan

Site use restricted to commercial or industrial. Deed restriction requires compliance with SMP. SMP addresses residual PCBs in soil in some portions of the site. SMP also addresses groundwater contamination/monitoring and reporting provisions.

Description of Engineering Controls

Parcel	Engineering Control
254.-1-42.1	Monitoring Wells
Monitoring wells.	
254.-1-43	Monitoring Wells
Monitoring wells.	
254.19-1-1.2	Monitoring Wells
Monitoring wells.	
254.19-1-2	Monitoring Wells
Monitoring wells.	
254.19-1-3	Monitoring Wells
Monitoring wells.	

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;

b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted e

YES	NO
☒	☐

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

(a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

(b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

(c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

(d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

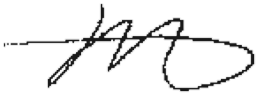
(e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
☒	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative — Date: 8/22/2022



Per the recommendations in Section 5.2 of the April 2022 PRR, monitoring wells MW-16 and MW-21 that were damaged beyond repair were replaced with new monitoring wells of similar construction on June 13, 2022. Additionally, monitoring well MW-19 was repaired and redeveloped on June 14, 2022.

IC CERTIFICATIONS
SITE NO. 709001

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I _____ at _____,
print name print business address

am certifying as _____(Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

_____ _____
Signature of Owner, Remedial Party, or Designated Representative Rendering Certification Date

EC CERTIFICATIONS

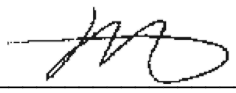
Box 7

Qualified Environmental Professional Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I _____ at _____,
print name print business address

am certifying as a Qualified Environmental Professional for the _____
(Owner or Remedial Party)



_____ _____ 8/22/2022

Nathan T Kranes, PG Lic. No 001068-01

Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

Date

Enclosure 3
Periodic Review Report (PRR) General Guidance

I. Executive Summary: (1/2-page or less)
- A. Provide a brief summary of site, nature and extent of contamination, and remedial history.
- B. Effectiveness of the Remedial Program - Provide overall conclusions regarding;
  1. progress made during the reporting period toward meeting the remedial objectives for the site
  2. the ultimate ability of the remedial program to achieve the remedial objectives for the site.
- C. Compliance
  1. Identify any areas of non-compliance regarding the major elements of the Site Management Plan (SMP, i.e., the Institutional/Engineering Control (IC/EC) Plan, the Monitoring Plan, and the Operation & Maintenance (O&M) Plan).
  2. Propose steps to be taken and a schedule to correct any areas of non-compliance.
- D. Recommendations
  1. recommend whether any changes to the SMP are needed
  2. recommend any changes to the frequency for submittal of PRRs (increase, decrease)
  3. recommend whether the requirements for discontinuing site management have been met.

II. Site Overview (one page or less)

A. Describe the site location, boundaries (figure), significant features, surrounding area, and the nature and extent of contamination prior to site remediation.

B. Describe the chronology of the main features of the remedial program for the site, the components of the selected remedy, cleanup goals, site closure criteria, and any significant changes to the selected remedy that have been made since remedy selection.

III. Evaluate Remedy Performance, Effectiveness, and Protectiveness

Using tables, graphs, charts and bulleted text to the extent practicable, describe the effectiveness of the remedy in achieving the remedial goals for the site. Base findings, recommendations, and conclusions on objective data. Evaluations and should be presented simply and concisely.

IV. IC/EC Plan Compliance Report (if applicable)
- A. IC/EC Requirements and Compliance
  1. Describe each control, its objective, and how performance of the control is evaluated.
  2. Summarize the status of each goal (whether it is fully in place and its effectiveness).
  3. Corrective Measures: describe steps proposed to address any deficiencies in ICECs.
  4. Conclusions and recommendations for changes.
- B. IC/EC Certification
  1. The certification must be complete (even if there are IC/EC deficiencies), and certified by the appropriate party as set forth in a Department-approved certification form(s).

V. Monitoring Plan Compliance Report (if applicable)

A. Components of the Monitoring Plan (tabular presentations preferred) - Describe the requirements of the monitoring plan by media (i.e., soil, groundwater, sediment, etc.) and by any remedial technologies being used at the site.

B. Summary of Monitoring Completed During Reporting Period - Describe the monitoring tasks actually completed during this PRR reporting period. Tables and/or figures should be used to show all data.

C. Comparisons with Remedial Objectives - Compare the results of all monitoring with the remedial objectives for the site. Include trend analyses where possible.

D. Monitoring Deficiencies - Describe any ways in which monitoring did not fully comply with the monitoring plan.

E. Conclusions and Recommendations for Changes - Provide overall conclusions regarding the monitoring completed and the resulting evaluations regarding remedial effectiveness.

VI. Operation & Maintenance (O&M) Plan Compliance Report (if applicable)

A. Components of O&M Plan - Describe the requirements of the O&M plan including required activities, frequencies, recordkeeping, etc.

B. Summary of O&M Completed During Reporting Period - Describe the O&M tasks actually completed during this PRR reporting period.

C. Evaluation of Remedial Systems - Based upon the results of the O&M activities completed, evaluated the ability of each component of the remedy subject to O&M requirements to perform as designed/expected.

D. O&M Deficiencies - Identify any deficiencies in complying with the O&M plan during this PRR reporting period.

E. Conclusions and Recommendations for Improvements - Provide an overall conclusion regarding O&M for the site and identify any suggested improvements requiring changes in the O&M Plan.

VII. Overall PRR Conclusions and Recommendations

A. Compliance with SMP - For each component of the SMP (i.e., IC/EC, monitoring, O&M), summarize;

1. whether all requirements of each plan were met during the reporting period
2. any requirements not met
3. proposed plans and a schedule for coming into full compliance.

B. Performance and Effectiveness of the Remedy - Based upon your evaluation of the components of the SMP, form conclusions about the performance of each component and the ability of the remedy to achieve the remedial objectives for the site.

C. Future PRR Submittals

1. Recommend, with supporting justification, whether the frequency of the submittal of PRRs should be changed (either increased or decreased).
2. If the requirements for site closure have been achieved, contact the Departments Project Manager for the site to determine what, if any, additional documentation is needed to support a decision to discontinue site management.

VIII. Additional Guidance

Additional guidance regarding the preparation and submittal of an acceptable PRR can be obtained from the Departments Project Manager for the site.

Enclosure 2
Survey Instructions

I. Verification of Site Details (Box 1 and Box 2):
Answer the YES/NO questions in the Verification of Site Details Section. The Property Owner may include handwritten changes and/or other supporting documentation, as necessary.

II. Certification of Institutional / Engineering Controls (Boxes 3, 4, and 5)
Review the listed IC/ECs, confirming that all existing controls are listed, and that all existing controls are still applicable. If there is a control that is no longer applicable the Property Owner should petition the Department separately to request approval to remove the control.

In Box 5, complete the certification for all components, as applicable, by checking the corresponding YES/NO checkbox.

If you cannot respond "YES" for each Control listed in Box 3 & Box 4, sign and date the form in Box 5. Attach supporting documentation that explains why a "YES" response could not be rendered. Note that this survey form should be submitted even if an IC or EC cannot be certified at this time.

III. Helpful Definitions
"Change of use" means the erection of any structure on a site, the paving of a site for use as a roadway or parking lot, the creation of a park or other recreational facility on a site, any activity that is likely to disrupt or expose contamination or increase direct human or environmental exposure, or any other conduct that will or may tend to prevent or significantly interfere with a proposed, ongoing, or completed remedial program.

"Site management" means the activities undertaken as the last phase of the remedial program at a site which continue after a certificate of completion is issued. Site management is conducted in accordance with a site management plan, which identifies and implements the institutional and engineering controls required for a site, as well as any necessary monitoring and/or operation and maintenance of the remedy.

IV. Reference Documents

DER-10	http://www.dec.ny.gov/docs/remediation_hudson_pdf/der10.pdf
Part 375-2.2(a)	http://www.dec.ny.gov/regs/4373.html#15089

When you respond to this survey, please include the enclosed form (Enclosure 1) which documents that, to the best of your knowledge, all Site Management requirements that pertain to the site on your property are being met. The Institutional Controls (ICs) and Engineering Controls (ECs) certification portion of the form should be completed, signed and returned to the NYSDEC. If you cannot verify that all SM requirements are being met, please provide adequate information in response so that actions may be taken to restore the level of protection intended. Instructions for completing the attached forms are included as Enclosure 2 "Survey Instructions."

The survey form should be submitted in either paper or electronic format. Any supporting documents or information (e.g., collected data, reports, copy of current deed) should be submitted in electronic format only. These documents and electronic submissions should be sent to:

Jenelle Gaylord, Project Manager.
New York State Department of Environmental Conservation
Division of Environmental Remediation, BURE
625 Broadway
Albany, NY 12233-7017

Phone number: 518-402-9791. E-mail: jenelle.gaylord@dec.ny.gov

Finally, as the state and condition of your property may be influenced by tenants or others users, please share the information contained in this letter and survey so that all controls put in place will provide the greatest level of protection of public health and the environment.

Thank you for your cooperation and assistance.

Sincerely,

Jenelle Gaylord, Project Manager
NYSDEC

Enclosures

ec: Jenelle Gaylord, Project Manager
Jeffrey Dyber, Section Chief

Box 5

Periodic Review Report (PRR) Survey Statements

For each Institutional or Engineering control listed in Boxes 3 and/or 4, by checking "YES" below I believe all of the following statements to be true:

(a) the Institutional Control(s) and/or Engineering Control(s) employed at this site remain unchanged since the date that the Control was put in-place, or was last approved by the Department;

(b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

(c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control; and

(d) if a Site Management Plan (SMP) exists, nothing has occurred that would constitute a violation or failure to comply with the SMP for this Control.

YES	NO
☒	☐

J. L. Payne Pres. 10/19/21

Signature of Property Owner — Date

Enclosure 1
Institutional and Engineering Controls - Property Owner Survey

Site Details **Box 1**

Site No. **709001**

Site Name **Borden Chemical**

Site Address: 108-112 North Main Street Zip Code: 13733
City/Town: Bainbridge
County: Chenango
Site Acreage: 10.0

Reporting Period: December 04, 2018 to December 04, 2021

	YES	NO
1. Is the information above correct?	☑	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	☑
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☑
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☑
If you answered YES to questions 2, 3 or 4, include documentation with this form.		
5. Is the site currently undergoing development?	☐	☑

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Industrial	☑	☐
7. Are all Institutional Controls (ICs) in place and functioning as designed?	☑	☐

M. Payne Pres
Signature of Property Owner

10/19/21
Date

SITE NO. 709001

Description of Institutional Controls

Parcel	Owner	Institutional Control
254.-1-44.12	John W. Payne Enterprise LLC	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan O&M Plan IC/EC Plan

Site use restricted to commercial or industrial. Deed restriction requires compliance with SMP. SMP addresses residual PCBs in soil in some portions of the site. SMP also addresses groundwater contamination/monitoring and reporting provisions.

Description of Engineering Controls

None Required

Not Applicable/No EC's

APPENDIX B

TRC		**DATE: Tuesday, October 19, 2021**
		REPORT NO. 20211019
		PAGE NO. 1 OF 3
		PROJECT NO. 441641.0000.0000
		LOGBOOK: K. Murphy, PAGE 3

DAILY FIELD ACTIVITY REPORT

PROJECT	Borden Chemical Site
LOCATION	Bainbridge, New York
ATTACHMENTS	Photolog

WEATHER	TIME	TEMP.	PRECIP.	WIND (MPH)	WIND (DIR)
Cloudy	08:30	45°F	None	8-12	WNW
Clear	14:00	62°F	None	12-16	W

SITE CONDITIONS: Overgrown near monitoring wells, some standing water on access roads

WORK GOAL FOR DAY: Locating and gauging monitoring wells, initial inspection, and low-flow groundwater sampling

PERSONNEL ON SITE:

NAME	AFFILIATION	ARRIVAL TIME	DEPART TIME
Nick Gier	TRC Engineers, Inc.	08:30	16:00
Kevin Murphy	TRC Engineers, Inc.	08:30	16:00

EQUIPMENT ON SITE:

TYPE	MODEL	TYPE	MODEL
2 x Peristaltic pumps	Pine Geopump		
2 x Water quality meters	YSI Pro DSS		
2 x Interface probes	Heron		

HEALTH & SAFETY:

PPE REQUIRED: ☒ LEVEL D ☐ LEVEL C ☐ LEVEL B ☐ LEVEL A **HASP?** YES

SITE SAFETY OFFICER: Nick Gier

H & S NOTES: No health or safety incidents. Site work performed in Level D PPE.

TRC		**DATE: Tuesday, October 19, 2021**
		REPORT NO. 20211019
		PAGE NO. 2 OF 3
		PROJECT NO. 441641.0000.0000

DAILY FIELD ACTIVITY REPORT

DESCRIPTION OF WORK PERFORMED AND OBSERVED

TRC Engineers, Inc. (TRC) performed a Site-wide inspection, collected synoptic well level measurements, and performed low-flow groundwater sampling on Tuesday, October 19, 2021, at the Former Borden Chemical Facility (Site) located on North Main Street, Bainbridge, NY. Prior to beginning field activities, at the request of Mr. John Payne (facility owner), TRC notified the representative at Mr. Payne's office that work would be performed.

Synoptic Water Level Measurements/Gauging

Nine of twelve monitoring wells were located and depth to water measurements were collected. The following three wells were not gauged:

- MW-16: Not found. There was evidence of regrading in this area. It is suspected that the well was destroyed during regrading activities.
- MW-19: Not found. Another attempt will be made to locate this well on 10/20/2021.
- MW-21: Severely damaged. This well was not constructed with an outer protective casing (i.e., standpipe) and the PVC well casing was found bent in half/pinched closed.

Inspection of Soil Cover System

The soil cover in the Bone Yard Area was dry and stable. There was no evidence of erosion, cracks, settlement, or seeps observed. Vegetation in this area was high and dense. TRC will inspect the soil cover in the Phenol Recovery Area on 10/20/2021.

Groundwater Sampling

TRC collected groundwater samples from 3 of the 12 Site monitoring wells. A summary of observed well conditions and samples collected is provided in the following table:

Well Identification Number	Date Sampled	Description of Condition
MW-2B	10/19/2021	No outer protective casing. MS/MSD and Field Duplicate were also collected here.
MW-15	*	
MW-16	Not sampled	Well was not found. Suspect that it was destroyed during recent regrading of area.
MW-17	*	No protective casing. Well purged dry. Sample will be collected after recharge on 10/20/2021.
MW-19	Not sampled*	Not found. Will continue to search for well on 10/20/2021.
MW-21	Not sampled*	Damaged. No outer protective casing and PVC well casing was bent in half/pinched closed. Will attempt to repair and sample 10/20/2021.
MW-27	10/19/2021	Good condition.
MW-28	*	
MW-30	*	
MW-35R	10/19/2021	Good condition.
OW-10R	*	
OW-35R	*	

*Well scheduled to be sampled on 10/20/2021. In addition, a surface water sample from Beatty Creek will be collected on 10/20/2021.

TRC		**DATE: Tuesday, October 19, 2021**
		REPORT NO. 20211019
		PAGE NO. 3 OF 3
		PROJECT NO. 441641.0000.0000

DAILY FIELD ACTIVITY REPORT

DESCRIPTION OF WORK PERFORMED AND OBSERVED

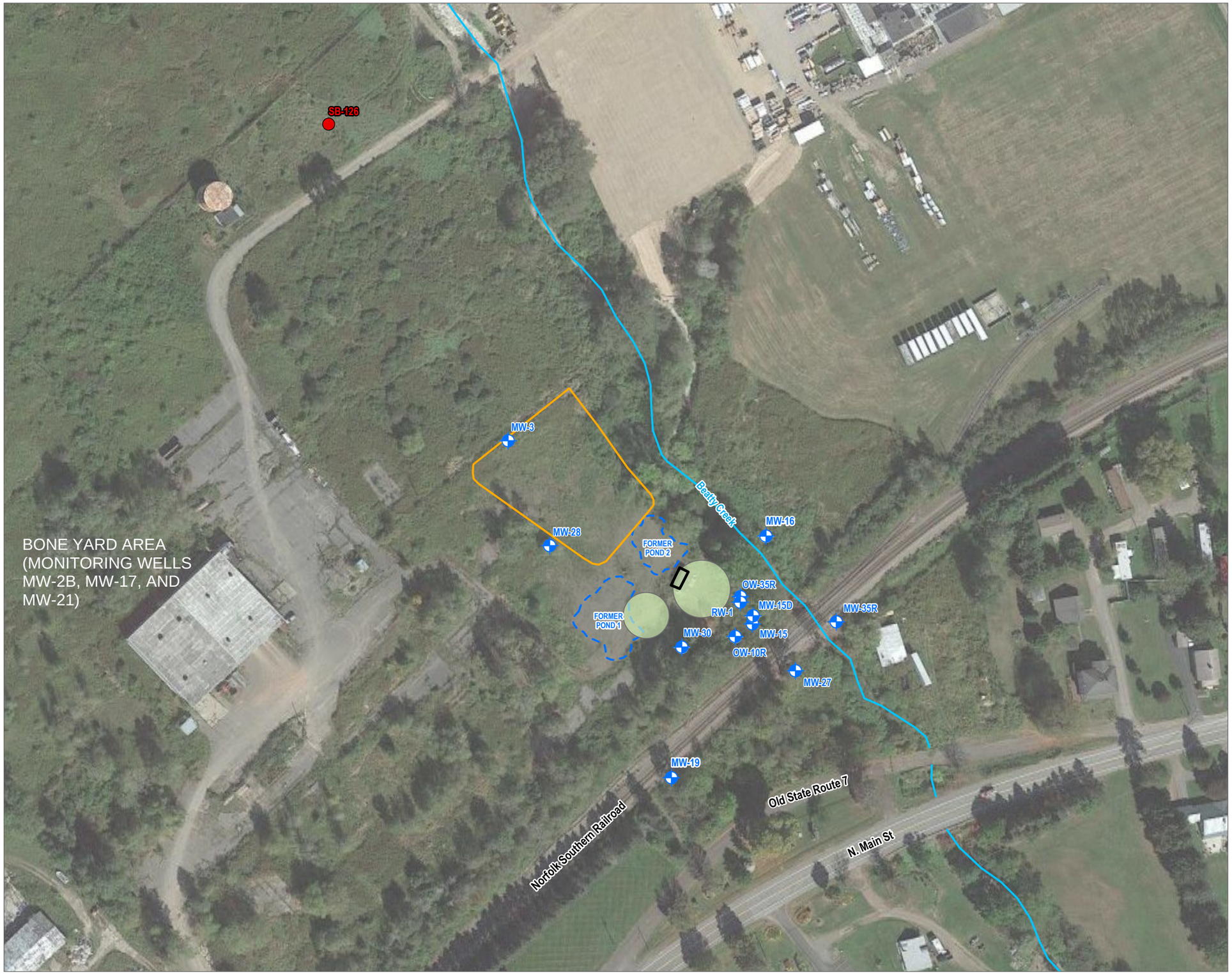
Groundwater samples will be submitted to Eurofins TestAmerica Laboratories, Inc. on 10/20/2021 for the following analyses:

- BOR-MW-2B-WG – PCBs via EPA 8082A
  - BOR-MW-2B-WG(MS) – PCBs via EPA 8082A
  - BOR-MW-2B-WG(MSD) – PCBs via EPA 8082A
  - BOR-DUP1 – PCBs via EPA 8082A
- BOR-MW-27-WG – BTEX via EPA 8260C, Phenol via EPA 8270D, and Formaldehyde via EPA 8315A
- BOR-MW-35R-WG - BTEX via EPA 8260C and Phenol via EPA 8270D

PREPARED BY (OBSERVER):	**REVIEWED BY:**
PRINT NAME: Nick Gier	**PRINT NAME:** Jenna Raup

PHOTOGRAPH LOG

Photo 1 **Date:** 10/19/2021 **Direction:** N/A **Photographer:** N. Gier **Description:** Photo of MW-21. Well was found damaged, the PVC bent in half (refer to arrow on photo). Will attempt to repair and sample on 10/20/2021.	
Photo 2 **Date:** 10/19/2021 **Direction:** South **Photographer:** N. Gier **Description:** Photo of former location of MW-16.	



LEGEND (SYMBOLS NOT TO SCALE)

- MONITORING WELL
- PROPOSED SOIL BORING WITH GROUNDWATER "GRAB" SAMPLE
- LOCATION OF FORMER TREATMENT SHED
- LOCATION OF FORMER POND
- LOCATION OF FORMER ABOVEGROUND TANK
- LOCATION OF FORMER PRA LAND FARMING OPERATIONS

NOTES:

1. MW-16 AND MW-19 LOCATIONS ARE APPROXIMATE AND WILL BE CONFIRMED DURING FUTURE INVESTIGATION ACTIVITIES.
2. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES ARE APPROXIMATE.
3. REFER TO FIGURES 1 AND 2 FOR ADDITIONAL PROPOSED SAMPLING LOCATIONS.
4. IN ACCORDANCE WITH THE TRC GENERIC QAPP AND NYSDEC EQUIS FORMATTING, ALL COLLECTED SAMPLES WILL ADDITIONALLY INCLUDE THE SITE NAME PREFIX "BC-".

1:1,500
1" = 125'

BASE MAP: GOOGLE EARTH IMAGERY
DATA SOURCES: TRC
SHEET SIZE: 11X17L

0 75 150 FEET

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
BORDEN CHEMICAL - SITE NO. 709001
108-112 NORTH MAIN STREET
BAINBRIDGE, NEW YORK 13733

TITLE:
OFFSITE SAMPLE LOCATION MAP

DRAWN BY:	L. LILL	PROJ. NO.:	441641.0000.0000
CHECKED BY:	J. KING		
APPROVED BY:	J. KING		FIGURE 3
DATE:	JULY 2021		

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Phone: 518-348-1190
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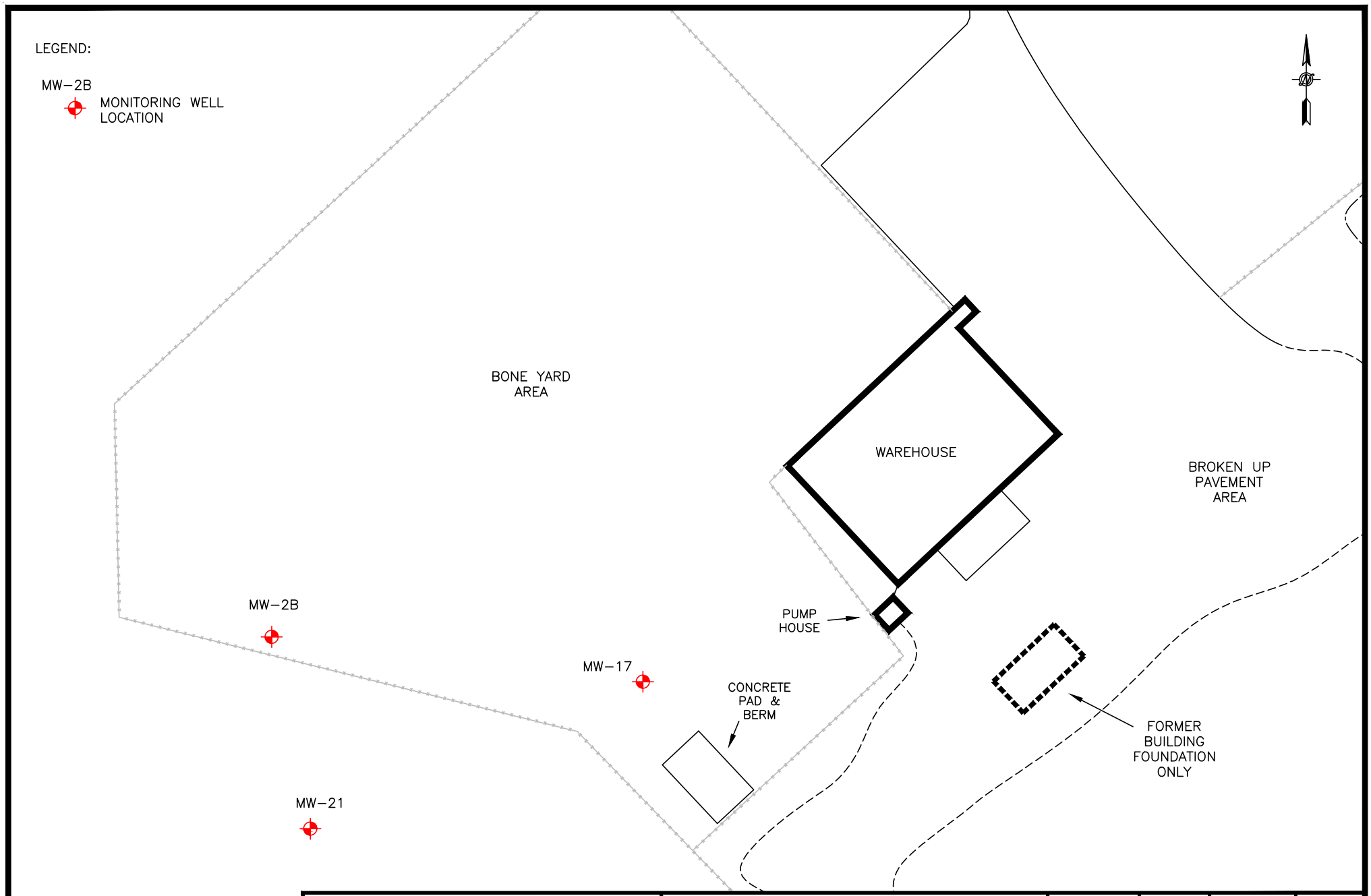
FILE: sitevisitmap.aprx

Coordinate System: NAD 1983 StatePlane New York Central FIPS 3102 Feet; Map Rotation: 0
Saved By: LILL on 7/8/2021, 1:11:09 PM; File Path: T:\PROJECTS\NYSDEC\441641_BordenChemical\2-APRX\sitevisitmap.aprx; Layout Name: Figure 3 - Borden Chemical Offsite Soil Boring Location Map



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Bone Yard Area and Monitoring Well Locations

Former Borden Resins Facility
108-112 North Main Street
Bainbridge, New York 13733

Checked:	Scale:	Date:	Figure:
T. Rankin	1" = 100'	May 23, 2018	4A

Drawn: C. Moran
08212777-1 2018-05 Fig 4A.dwg

Project Number: 08212777

TRC		**DATE: Wednesday, October 20, 2021**
		REPORT NO. 20211020
		PAGE NO. 1 OF 3
		PROJECT NO. 441641.0000.0000
		LOGBOOK: K. Murphy, PAGE 4

DAILY FIELD ACTIVITY REPORT

PROJECT	Borden Chemical Site
LOCATION	Bainbridge, New York
ATTACHMENTS	Photolog, Figures

WEATHER	TIME	TEMP.	PRECIP.	WIND (MPH)	WIND (DIR)
Fair	08:30	54°F	None	8-10	W
Partly cloudy	14:00	68°F	None	12-14	WNW

SITE CONDITIONS: Overgrown near monitoring wells, some portions of the site mowed

WORK GOAL FOR DAY: Low-flow groundwater sampling, inspection of Phenol Recovery Area, and surface water sampling.

PERSONNEL ON SITE:

NAME	AFFILIATION	ARRIVAL TIME	DEPART TIME
Nick Gier	TRC Engineers, Inc.	08:30	16:00
Kevin Murphy	TRC Engineers, Inc.	08:30	15:30

EQUIPMENT ON SITE:

TYPE	MODEL	TYPE	MODEL
2 x Peristaltic pumps	Pine Geopump		
2 x Water quality meters	YSI Pro DSS		
2 x Interface probes	Heron		
1 x PID	RKI GX-6000		

HEALTH & SAFETY:

PPE REQUIRED: ☒ LEVEL D ☐ LEVEL C ☐ LEVEL B ☐ LEVEL A **HASP?** YES

SITE SAFETY OFFICER: Nick Gier

H & S NOTES: Kevin Murphy reported a tick bite in morning of 10/20/2021. Required incident reporting was completed. Incident had no impact on schedule or ability to complete field work.

TRC		DATE: Wednesday, October 20, 2021
		REPORT NO. 20211020
		PAGE NO. 2 OF 3
		PROJECT NO. 441641.0000.0000

DAILY FIELD ACTIVITY REPORT

DESCRIPTION OF WORK PERFORMED AND OBSERVED

TRC Engineers, Inc. (TRC) performed an inspection of the Phenol Recovery Area and performed low-flow groundwater sampling on Wednesday, October 20, 2021, at the Former Borden Chemical Facility (Site) located on North Main Street, Bainbridge, NY.

Inspection of Soil Cover System

The soil cover in the Phenol Recovery Area was dry and stable. There was no evidence of erosion, cracks, settlement, or seeps observed. Vegetation in this area varied from being high and dense to low and patchy. TRC inspected the Treatment Shed and observed insulation hanging from the ceiling, liquid on the ground near the tanks, piping and debris on the floor, and circuit boards open and exposed. A pile of woody debris was found northeast of the Treatment Shed as well.

Groundwater Sampling

TRC collected groundwater samples from 6 of the 12 Site monitoring wells on 10/20/2021. A summary of observed well conditions and samples collected is provided in the following table:

Well Identification Number	Date Sampled	Description of Condition
MW-2B	10/19/2021	No outer protective casing. MS/MSD and Field Duplicate were also collected here.
MW-15	10/20/2021	Standpipe was not locked.
MW-16	Not sampled	Well was not found. Suspect that it was destroyed during recent regrading of area.
MW-17	10/20/2021	No outer protective casing. Well purged dry on 10/19/2021. Sample collected without additional purging on 10/20/2021.
MW-19	Not sampled	Well found on 10/20/2021. Outer protective casing slightly bent, and no cap. Attempted to purge but sludge that exhibited a sewage-like odor plugged the tubing.
MW-21	Not sampled	Destroyed. In attempt to repair well casing to collect sample, it was confirmed that the casing was broken below the ground surface.
MW-27	10/19/2021	Good condition.
MW-28	10/20/2021	No plug in PVC well casing and standpipe was not locked.
MW-30	10/20/2021	No plug in PVC well casing and standpipe was not locked.
MW-35R	10/19/2021	Good condition.
OW-10R	10/20/2021	No plug in PVC well casing and standpipe was not locked. MS/MSD and Field Duplicate were also collected here.
OW-35R	10/20/2021	Good condition.

TRC		**DATE: Wednesday, October 20, 2021**
		REPORT NO. 20211020
		PAGE NO. 3 OF 3
		PROJECT NO. 441641.0000.0000

DAILY FIELD ACTIVITY REPORT

DESCRIPTION OF WORK PERFORMED AND OBSERVED

All groundwater samples were submitted to Eurofins TestAmerica Laboratories, Inc. on 10/20/2021 for the following analyses:

- BOR-MW-2B-WG – PCBs via EPA 8082A
  - BOR-MW-2B-WG(MS) – PCBs via EPA 8082A
  - BOR-MW-2B-WG(MSD) – PCBs via EPA 8082A
  - BOR-DUP1 – PCBs via EPA 8082A
- BOR-MW-15-WG - BTEX via EPA 8260C and Phenol via EPA 8270D
- BOR-MW-17-WG – PCBs via EPA 8082A
- BOR-MW-27-WG – BTEX via EPA 8260C, Phenol via EPA 8270D, and Formaldehyde via EPA 8315A
- BOR-MW-28-WG - BTEX via EPA 8260C and Phenol via EPA 8270D
- BOR-MW-30-WG - BTEX via EPA 8260C and Phenol via EPA 8270D
- BOR-MW-35R-WG - BTEX via EPA 8260C and Phenol via EPA 8270D
- BOR-OW-10R-WG - BTEX via EPA 8260C, Phenol via EPA 8270D, and Formaldehyde via EPA 8315A
  - BOR-OW-10R-WG(MS) – BTEX via EPA 8260C, Phenol via EPA 8270D, and Formaldehyde via EPA 8315A
  - BOR-OW-10R-WG(MSD) – BTEX via EPA 8260C, Phenol via EPA 8270D, and Formaldehyde via EPA 8315A
  - BOR-DUP2-WG – BTEX via EPA 8260C, Phenol via EPA 8270D, and Formaldehyde via EPA 8315A
- BOR-OW-35R-WG - BTEX via EPA 8260C and Phenol via EPA 8270D

Surface Water Sampling

TRC collected a surface water sample from Beatty Creek located southeast of the railroad bridge that crosses the creek. TRC referenced Figure 14 from the Site Management Plan for the surface water sample location. The surface water sample was submitted to Eurofins TestAmerica Laboratories, Inc. on 10/20/2021 for the following analyses:

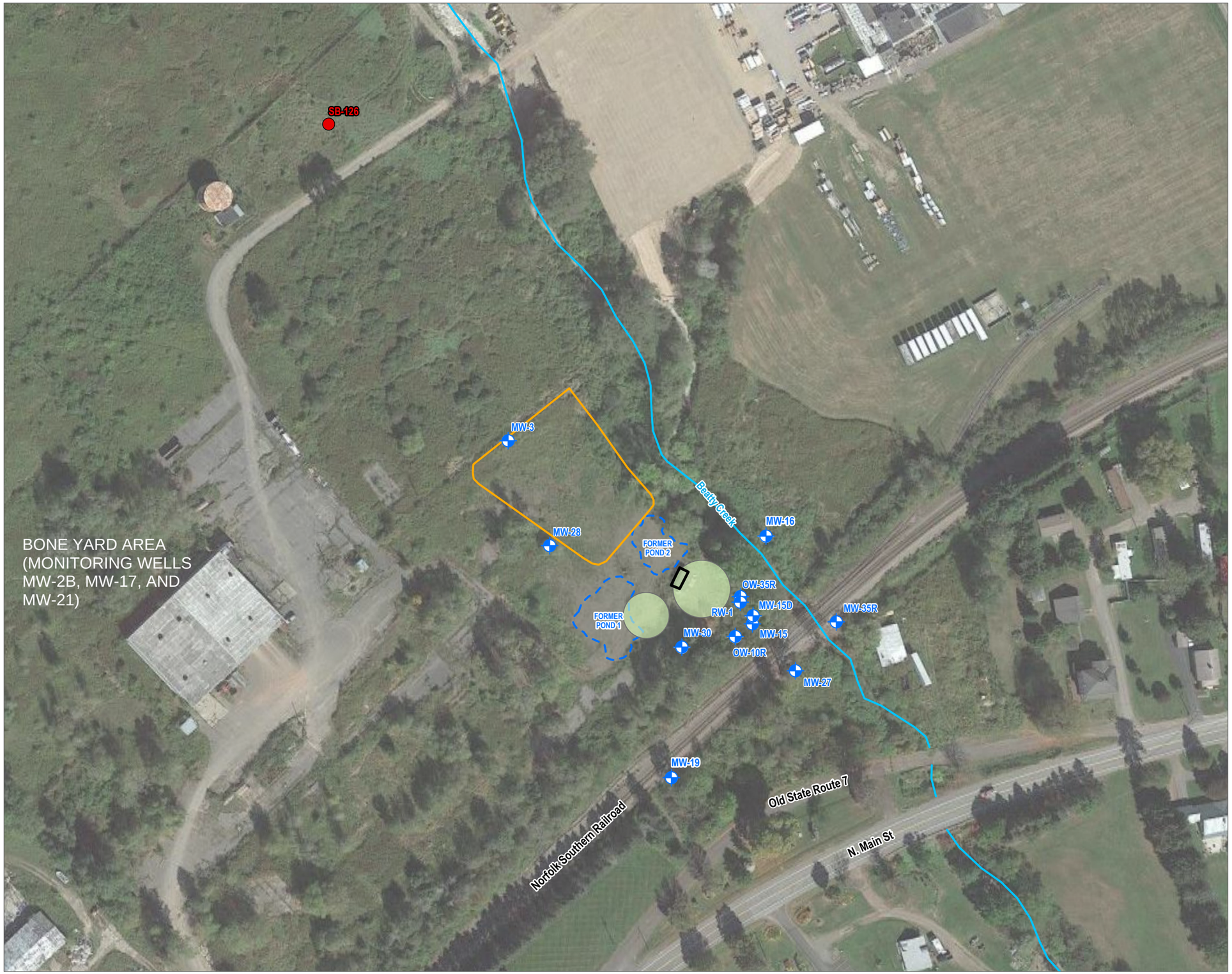
- BOR-BC/SMP-WS - BTEX via EPA 8260C and Phenol via EPA 8270D

PREPARED BY (OBSERVER):	**REVIEWED BY:**
PRINT NAME: Nick Gier	**PRINT NAME:** Jenna Raup

PHOTOGRAPH LOG

Photo 1 **Date:** 10/20/2021 **Direction:** North **Photographer:** N. Gier **Description:** Photo of the soil cover in the boneyard area. The warehouse is in the background of the photo for reference.	
Photo 2 **Date:** 10/20/2021 **Direction:** Northwest **Photographer:** N. Gier **Description:** Photo of mowed path starting near southwest corner of pump house leading to the northwest.	

Photo 3 **Date:** 10/20/2021 **Direction:** Northeast **Photographer:** N. Gier **Description:** Photo of the soil cover in the phenol recovery area. The treatment shed is in the background of the photo for reference.	
Photo 4 **Date:** 10/20/2021 **Direction:** Northwest **Photographer:** N. Gier **Description:** Photo of the treatment shed in the phenol recovery area.	



LEGEND (SYMBOLS NOT TO SCALE)

- MONITORING WELL
- PROPOSED SOIL BORING WITH GROUNDWATER "GRAB" SAMPLE
- LOCATION OF FORMER TREATMENT SHED
- LOCATION OF FORMER POND
- LOCATION OF FORMER ABOVEGROUND TANK
- LOCATION OF FORMER PRA LAND FARMING OPERATIONS

NOTES:

1. MW-16 AND MW-19 LOCATIONS ARE APPROXIMATE AND WILL BE CONFIRMED DURING FUTURE INVESTIGATION ACTIVITIES.
2. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES ARE APPROXIMATE.
3. REFER TO FIGURES 1 AND 2 FOR ADDITIONAL PROPOSED SAMPLING LOCATIONS.
4. IN ACCORDANCE WITH THE TRC GENERIC QAPP AND NYSDEC EQUIS FORMATTING, ALL COLLECTED SAMPLES WILL ADDITIONALLY INCLUDE THE SITE NAME PREFIX "BC-".

1:1,500
1" = 125'

BASE MAP: GOOGLE EARTH IMAGERY
DATA SOURCES: TRC
SHEET SIZE: 11X17L

0 75 150 FEET

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
BORDEN CHEMICAL - SITE NO. 709001
108-112 NORTH MAIN STREET
BAINBRIDGE, NEW YORK 13733

TITLE:
OFFSITE SAMPLE LOCATION MAP

DRAWN BY:	L. LILL	PROJ. NO.:	441641.0000.0000
CHECKED BY:	J. KING		
APPROVED BY:	J. KING		FIGURE 3
DATE:	JULY 2021		

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FILE: sitevisitmap.aprx

Coordinate System: NAD 1983 StatePlane New York Central FIPS 3102 Feet; Map Rotation: 0
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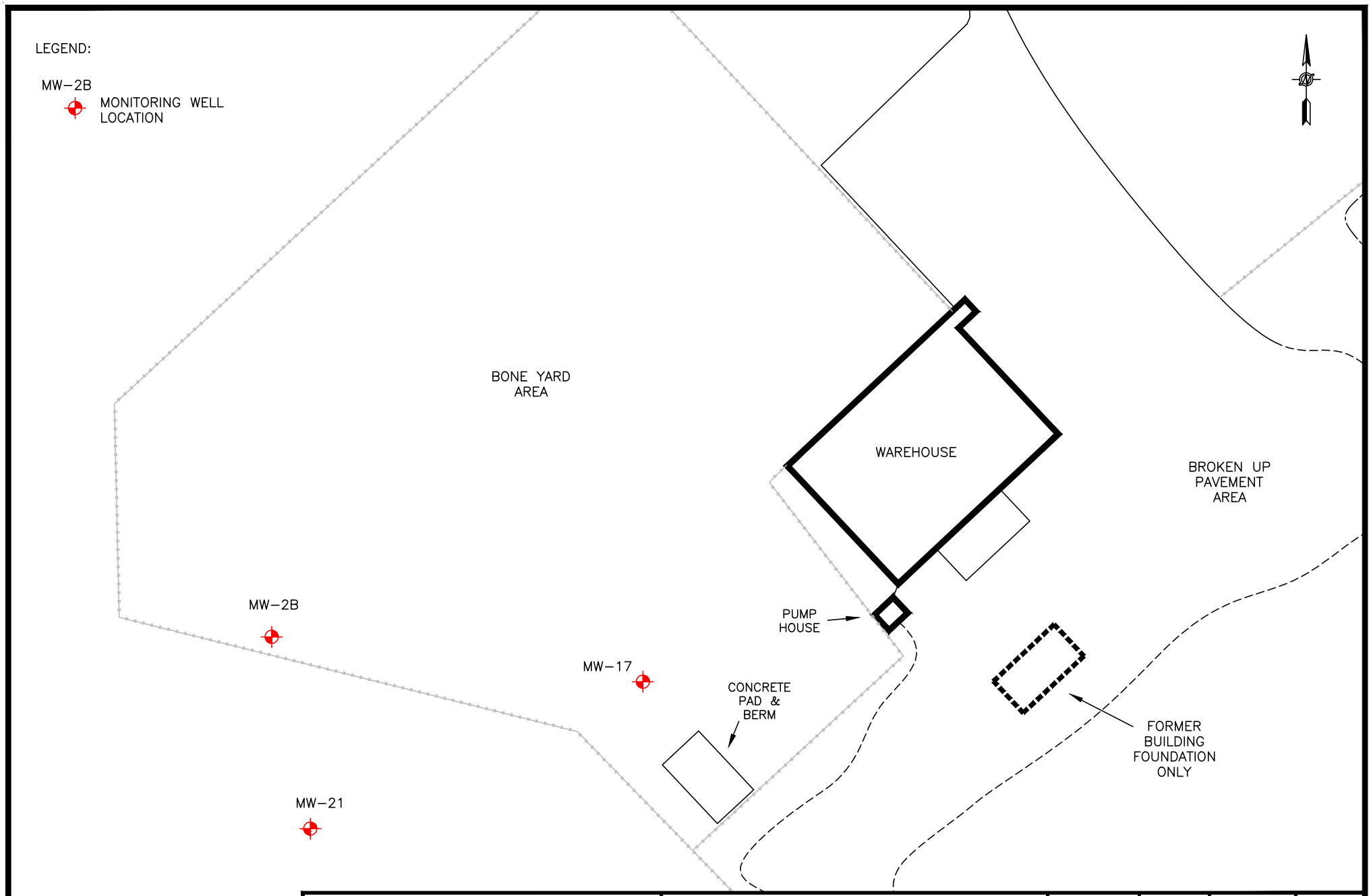

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Bone Yard Area and Monitoring Well Locations

Former Borden Resins Facility
108-112 North Main Street
Bainbridge, New York 13733

Checked:	Scale:	Date:	Figure:
T. Rankin	1" = 100'	May 23, 2018	4A

Drawn: C. Moran
08212777-1 2018-05 Fig 4A.dwg

Project Number: 08212777

FORMER BORDEN RESIN FACILITY
SITE-WIDE INSPECTION FORM

Date: 10/20/21

Name of Inspector: Nick Gier

Answer the following questions. Describe changes that have occurred since the previous inspection in detail.

FIELD CONDITIONS

1) Describe the Site conditions during inspection: Weather, areas of erosion or deposition, stressed vegetation, Site perimeter fencing, building condition, well casing condition, etc. Document with photographs.
Weather: Sunny, high 60's, breezy. No areas of erosion or deposition noted in the Bone yard or Phenol recovery area. Eastern portion of boneyard fence falling over. Hole in fence in NE corner in Phenol recovery area. Treatment shed in rough condition see daily report & water level monitoring form.

2) Has the Site been maintained to adequately access monitoring wells i.e. mowed, brush cleared.
Access roads to areas clear. No paths mowed to wells. most wells overgrown.

3) Has there been any changes to Site use since the previous inspection?
No, compared to 2018 PMP

4) Have soil cover systems been disturbed? If so explain in detail.
No, soil cover in Boneyard and Phenol recovery area have not been disturbed.
Soil East of Beatty Creek has been disturbed within the past year.

5) Are there health and safety issues? Explain if so, document with photographs.
Yes, ticks present at site. Found crawling on team.

6) If Site conditions have changed, or there are health and safety issues, who was contacted?
Jenna Raup (TNC)

RECORD KEEPING

7) Is the Site in compliance with required permits and sampling schedules?
Unknown

8) Have Site records been adequately documented and are up to date?
Unknown

Inspector Signature: [signature]

WATER AND PRODUCT LEVEL MONITORING FORM

Technician: KM/NG Job #/Task #: _____ Date: 10/19/21

Site # _____ Project Manager Jenna Rupp Page 1 of 1

Well #	TOC	Time Gauged	Total Depth (feet)	Depth to Water (feet)	Depth to Product (feet)	Product Thickness (feet)	Time Sampled	Misc. Well Notes
MW-15		9:14	13.57	11.22				
MW-16								D. J not find
MW-19		10/20 9:55	11.30	9.75				~~D. J not find~~ * located & gauged 10/20 foul organic odor on probe, sludge on probe no well cap or stick up lid
MW-27		9:24	10.10	5.11				No cap
MW-28		9:03	16.52	4.34				No cap
MW-30		9:11	14.22	8.35				No cap
MW-35R		9:38	13.99	4.95				No cap
OW-10R		9:17	18.14	12.12				
OW-35R		9:43	17.84	10.41				
MW-2B		10:11	11.91	4.44				
MW-17		10:07	14.90	5.57				
MW-21		10:34	—	—	—	—	—	well Destroyed

FIELD DATA COMPLETE QA/QC COC WELL BOX CONDITION SHEETS

MANIFEST DRUM INVENTORY TRAFFIC CONTROL

Daily report at end of day

TRC

APPENDIX C

TRC

Surface Water/Sediment Sample Log

Project:	Project No.:	Date/Time:	Sheet 1 of 1
Borden Chemical	441641.0000.0000	10/20/21 0945	

Contractor Personnel: N/A

TRC Personnel: Nick Giver

Sample No.: ~~BOR-BC/SMP-WS~~ BOR-BC/SMP-WS

Sample Location: Southeast of railroad bridge over Beatty Creek

Depth/Interval Sampled: top of water surface

Sample Type (circle): (Grab) Composite Both

Field Screening Information:

Media (circle): Other _____ Sediment (Surface Water)

Water Depth: 6" - 1' (total depth of creek at sample point)

Other Field Observations:

- Steady creek flow
- Clear water
- Gravelly creek substrate

Sample Description/Observations:

- VOA bottles filled from unpreserved 250mL Amber jar
- Sample collected from the center of the creek at the surface of the water

SAMPLE COLLECTION EQUIPMENT

Hand Auger		Dip Sampler	
Core Sampler		Trowel	
Spatula/Spoon		Dredge Sampler	
Bowl (stainless)		Kemmerer	
En-Core®		Extension Rods	
Tube Auger		Van Dorn Bottle	
Direct		Spade	
Ponar Grab		Shovel	
Bucket Auger		Terra Core™	
Peristaltic Pump		Scoop	
Macro-Core®		Vibracore	
Other	✓ Collect with lab bottles	Split-spoon	

Analytical Parameters	Preservation Method	Volume/Container	Time of Collection	Sample ID
BTEX	HCL	3 x 40mL VOA	9:45	BOR-BC/SMP-WS
Phenol	None	2 x 250mL Amber		

Signed: N/A

LOW FLOW GROUNDWATER SAMPLING LOG

PROJECT NAME: Borden Chemical	LOCATION ID: MW-17
PROJECT NUMBER:	DATE: 10/19/21
SAMPLE ID: BOR-MW-17-W6	SAMPLE TIME: 0920 10/20
START TIME: 1215 10/19	END TIME: 0920 10/20
SITE NAME/NUMBER:	PAGE: 1 OF 2

WELL DIAMETER (INCHES): ☐ 1 ☒ 2 ☐ 4 ☐ 6 ☐ 8 ☐ OTHER

TUBING ID (INCHES): ☐ 1/8 ☐ 1/4 ☐ 3/8 ☐ 1/2 ☐ 5/8 ☒ OTHER 0.17

MEASUREMENT POINT (MP): ☐ TOP OF RISER (TOR) ☒ TOP OF CASING (TOC) ☐ OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED		X	
COLLAR		X	

INITIAL DTW (BMP)	5.57 FT	FINAL DTW (BMP)	NA FT	PROT. CASING STICKUP (AGS)	2 FT	TOC/TOR DIFFERENCE	- FT
WELL DEPTH (BMP)	14.90 FT	SCREEN LENGTH	FT	PID AMBIENT AIR	0.0 PPM	REFILL TIMER SETTING	- SEC
WATER COLUMN	FT	DRAWDOWN VOLUME (final DTW - initial DTW X well diam. squared X 0.041)	GAL	PID WELL MOUTH	0.0 PPM	DISCHARGE TIMER SETTING	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	GAL	DRAWDOWN/ TOTAL PURGED		PRESSURE TO PUMP	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1215	BEGIN PURGING									
1225	8.39	200	14.0	0.457	6.85	2.1	22.15	142.6	10	
1235	9.89	200	13.2	0.523	6.83	4.2	101.27	149.3	11*	*moved to 11 due to drawdown
1240	10.15	200	13.0	0.528	6.78	1.5	104.99	150.7	11	
1245	10.81	200	13.0	0.525	6.77	0.6	117.66	150.6	11	
1250	10.95	200	12.4	0.488	6.74	1.3	1,393.55	155.5	13*	*moved to 13 due to drawdown
1255	11.11	200	12.4	0.487	6.73	0.9	1,420.56	157.1	13	
1300	11.98	200	12.3	0.483	6.73	0.5	1,226.88	155.8	13	
1305	12.30	200	12.3	0.474	6.74	0.5	868.60	151.5	13	
1310	12.40	200	12.3	0.466	6.74	0.4	740.29	143.7	13	
1315	12.50	200	12.3	0.464	6.74	0.4	770.93	136.2	13	
1320	12.75	200	12.2	0.460	6.75	0.5	632.18	125.3	13	
1325	12.92	200	12.2	0.456	6.75	0.6	649.21	116.6	13	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- ☒ PERISTALTIC
- ☐ SUBMERSIBLE
- ☐ BLADDER
- ☐ WATTERA
- ☐ OTHER
- ☐ OTHER

DECON FLUIDS USED
- ☐ LIQUINOX
- X DEIONIZED WATER
- ☐ POTABLE WATER
- ☐ NITRIC ACID
- ☐ HEXANE
- ☐ METHANOL
- X OTHER ALCONOX

TUBING/PUMP/BLADDER MATERIALS
- ☒ SILICON TUBING
- ☐ TEFLON TUBING
- ☐ TEFLON LINED TUBING
- ☒ HDPE TUBING
- ☐ LDPE TUBING
- ☐ OTHER
- ☐ OTHER

- ☐ S. STEEL PUMP MATERIAL
- ☐ PVC PUMP MATERIAL
- ☐ GEOPROBE SCREEN
- ☐ TEFLON BLADDER
- ☐ OTHER
- ☐ OTHER
- ☐ OTHER

EQUIPMENT USED
- ☒ WL METER
- ☒ PID
- ☒ WQ METER
- ☐ TURB. METER
- ☒ PUMP
- ☐ OTHER
- ☐ FILTERS NO. ___ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
	PCBs							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	☐	☒
NO-PURGE METHOD UTILIZED	☐	☒

NUMBER OF GALLONS GENERATED: _____

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: K. Murphy Print Name: Kevin Murphy

Checked By: Date: 10/20/21

TRC

LOW FLOW GROUNDWATER SAMPLING RECORD

10 Maxwell Drive, Suite 200, Clifton Park, NY 12065

LOW FLOW GROUNDWATER SAMPLING LOG

PROJECT NAME: Borden Chemical		LOCATION ID: MW-17	DATE: 10/19/21 - 10/20/21
PROJECT NUMBER:		START TIME: 1215 10/19	END TIME: 0920 10/20
SAMPLE ID: BOR-MW-17-WG	SAMPLE TIME: 0920	SITE NAME/NUMBER:	PAGE: 2 OF 2

WELL DIAMETER (INCHES): ☐ 1 ☒ 2 ☐ 4 ☐ 6 ☐ 8 ☐ OTHER

TUBING ID (INCHES): ☐ 1/8 ☐ 1/4 ☐ 3/8 ☐ 1/2 ☐ 5/8 ☒ OTHER 0.17

MEASUREMENT POINT (MP): ☐ TOP OF RISER (TOR) ☒ TOP OF CASING (TOC) ☐ OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP			
CASING			
LOCKED			
COLLAR			

INITIAL DTW (BMP)	5.57 FT	FINAL DTW (BMP)	NA FT	PROT. CASING STICKUP (AGS)	2 FT	TOC/TOR DIFFERENCE	- FT
WELL DEPTH (BMP)	14.90 FT	SCREEN LENGTH	FT	PID AMBIENT AIR	0.0 PPM	REFILL TIMER SETTING	- SEC
WATER COLUMN	FT	DRAWDOWN VOLUME (final DTW - initial DTW X well diam. squared X 0.041)	GAL	PID WELL MOUTH	0.0 PPM	DISCHARGE TIMER SETTING	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	GAL	DRAWDOWN/ TOTAL PURGED		PRESSURE TO PUMP	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
	BEGIN PURGING									
1330	13.12	200	12.1	0.457	6.77	1.5	657.32	107.2	14*	* moved to 14 due to drawdown
1340	13.35	200	11.8	0.446	6.76	0.3	529.60	66.4	14	
1345	13.30	200	11.8	0.408	6.77	0.3	358.84	58.4	14	
1350	13.01	200	11.9	0.390	6.77	0.3	99.56	57.9	14	
1355	12.85	200	11.8	0.296	6.77	0.3	88.19	54.4	14	
1400	12.90	200	11.8	0.383	6.76	0.3	92.92	51.3	14	
1402 -	Purge	dry, will return	in AM	to retrieve sample						
10/20 0915 -	5.45 -	100% recharge								

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- ☒ PERISTALTIC
- ☐ SUBMERSIBLE
- ☐ BLADDER
- ☐ WATTERA
- ☐ OTHER
- ☐ OTHER

DECON FLUIDS USED
- ☐ LIQUINOX
- ☒ DEIONIZED WATER
- ☐ POTABLE WATER
- ☐ NITRIC ACID
- ☐ HEXANE
- ☐ METHANOL
- ☒ OTHER ALCONOX

TUBING/PUMP/BLADDER MATERIALS
- ☒ SILICON TUBING
- ☐ TEFLON TUBING
- ☐ TEFLON LINED TUBING
- ☒ HDPE TUBING
- ☐ LDPE TUBING
- ☐ OTHER
- ☐ OTHER

- ☐ S. STEEL PUMP MATERIAL
- ☐ PVC PUMP MATERIAL
- ☐ GEOPROBE SCREEN
- ☐ TEFLON BLADDER
- ☐ OTHER
- ☐ OTHER
- ☐ OTHER

EQUIPMENT USED
- ☒ WL METER
- ☐ PID
- ☒ WQ METER
- ☐ TURB. METER
- ☐ PUMP
- ☒ OTHER
- ☐ FILTERS NO. ___ TYPE ___

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
PCBs							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	☐	☒
NO-PURGE METHOD UTILIZED	☐	☒

NUMBER OF GALLONS GENERATED: ___

If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

SKETCH/NOTES

Sampler Signature: [signature] Print Name: Kevin Murphy

Checked By: Date: 10/20/21

TRC

LOW FLOW GROUNDWATER SAMPLING RECORD

10 Maxwell Drive, Suite 200, Clifton Park, NY 12065

LOW FLOW GROUNDWATER SAMPLING LOG

PROJECT NAME		LOCATION ID	DATE
Borden Chemical		MW-27	10/19/21
PROJECT NUMBER		START TIME	END TIME
		1435	1510
SAMPLE ID	SAMPLE TIME	SITE NAME/NUMBER	PAGE
BOR-MW-27-WG	1510		1 OF 1

WELL DIAMETER (INCHES): ☐ 1 ☒ 2 ☐ 4 ☐ 6 ☐ 8 ☐ OTHER

TUBING ID (INCHES): ☐ 1/8 ☒ 1/4 ☐ 3/8 ☐ 1/2 ☐ 5/8 ☒ OTHER 0.17

MEASUREMENT POINT (MP): ☐ TOP OF RISER (TOR) ☒ TOP OF CASING (TOC) ☐ OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP		X	
CASING	X		
LOCKED		X	
COLLAR		X	

INITIAL DTW (BMP)	5.12 FT	FINAL DTW (BMP)	5.12 FT	PROT. CASING STICKUP (AGS)	2 FT	TOC/TOR DIFFERENCE	- FT
WELL DEPTH (BMP)	10.10 FT	SCREEN LENGTH	FT	PID AMBIENT AIR	0.0 PPM	REFILL TIMER SETTING	- SEC
WATER COLUMN	FT	DRAWDOWN VOLUME (final DTW - initial DTW X well diam. squared X 0.041)	GAL	PID WELL MOUTH	0.0 PPM	DISCHARGE TIMER SETTING	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	GAL	DRAWDOWN/ TOTAL PURGED		PRESSURE TO PUMP	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1435	BEGIN PURGING									
1445	5.12	250	14.9	0.325	6.55	0.4	16.02	-52.4	8	
1455	5.12	250	15.0	0.347	6.53	0.3	4.92	-59.2	8	
1500	5.12	250	15.0	0.354	6.52	0.3	3.92	-61.8	8	
1505	5.12	250	15.0	0.355	6.52	0.3	4.80	-63.8	8	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- ☒ PERISTALTIC
- ☐ SUBMERSIBLE
- ☐ BLADDER
- ☐ _____
- ☐ WATTERA
- ☐ OTHER
- ☐ OTHER

DECON FLUIDS USED
- ☐ LIQUINOX
- ☒ DEIONIZED WATER
- ☐ POTABLE WATER
- ☐ NITRIC ACID
- ☐ HEXANE
- ☐ METHANOL
- ☒ OTHER ALCONOX

TUBING/PUMP/BLADDER MATERIALS
- ☒ SILICON TUBING
- ☐ TEFLON TUBING
- ☐ TEFLON LINED TUBING
- ☒ HDPE TUBING
- ☐ LDPE TUBING
- ☐ OTHER
- ☐ OTHER

- ☐ S. STEEL PUMP MATERIAL
- ☐ PVC PUMP MATERIAL
- ☐ GEOPROBE SCREEN
- ☐ TEFLON BLADDER
- ☐ OTHER
- ☐ OTHER
- ☐ OTHER

EQUIPMENT USED
- ☒ WL METER
- ☐ PID
- ☒ WQ METER
- ☐ TURB. METER
- ☒ PUMP
- ☐ OTHER
- ☐ FILTERS NO. ___ TYPE ___

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
☒	BTEX							
☒	Phenol							
☒	Formaldehyde							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	☐	☒
NO-PURGE METHOD UTILIZED	☐	☒

NUMBER OF GALLONS GENERATED _____

If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

SKETCH/NOTES

Sampler Signature: [signature] Print Name: Kevin Murphy

Checked By: Date: 10/19/20

TRC

LOW FLOW GROUNDWATER SAMPLING RECORD

10 Maxwell Drive, Suite 200, Clifton Park, NY 12065

LOW FLOW GROUNDWATER SAMPLING LOG

PROJECT NAME: Borden Chemical	LOCATION ID: MW-19
PROJECT NUMBER:	START TIME: 1000
SAMPLE ID: NA	SAMPLE TIME: NA
DATE: 10/20/21	END TIME: 1015
SITE NAME/NUMBER:	PAGE: 1 OF 1

WELL DIAMETER (INCHES): [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER

TUBING ID (INCHES): [ ] 1/8 [X] 1/4 [ ] 3/8 [ ] 1/2 [ ] 5/8 [X] OTHER 0.17

MEASUREMENT POINT (MP): [ ] TOP OF RISER (TOR) [X] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP		X	
CASING	X		
LOCKED		X	
COLLAR		X	

INITIAL DTW (BMP)	9.75 FT	FINAL DTW (BMP)	FT	PROT. CASING STICKUP (AGS)	2 FT	TOC/TOR DIFFERENCE	- FT
WELL DEPTH (BMP)	11.30 FT	SCREEN LENGTH	FT	PID AMBIENT AIR	0.0 PPM	REFILL TIMER SETTING	- SEC
WATER COLUMN	FT	DRAWDOWN VOLUME (final DTW - initial DTW X well diam. squared X 0.041)	GAL	PID WELL MOUTH	0.0 PPM	DISCHARGE TIMER SETTING	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	GAL	DRAWDOWN/ TOTAL PURGED		PRESSURE TO PUMP	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1000	BEGIN PURGING * purge small amounts of turbid water, tubing getting clogged w/ dirt & leaves unable to sample									

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [X] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [X] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [X] OTHER ALCONOX

TUBING/PUMP/BLADDER MATERIALS
- [X] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [X] HDPE TUBING
- [ ] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [X] WL METER
- [ ] PID
- [X] WQ METER
- [ ] TURB. METER
- [X] PUMP
- [ ] OTHER
- [ ] FILTERS NO. ___ TYPE

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED		X
NO-PURGE METHOD UTILIZED		X

NUMBER OF GALLONS GENERATED: _____

If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

SKETCH/NOTES

Sampler Signature: K. Murphy Print Name: Kevin Murphy

Checked By: Date: 10/20/21

TRC

LOW FLOW GROUNDWATER SAMPLING RECORD

10 Maxwell Drive, Suite 200, Clifton Park, NY 12065

LOW FLOW GROUNDWATER SAMPLING LOG

PROJECT NAME: Borden Chemical		LOCATION ID: MW-30	DATE: 10/20/21
PROJECT NUMBER		START TIME: 1120	END TIME: 1200
SAMPLE ID: BOR-MW-30-WG	SAMPLE TIME: 1200	SITE NAME/NUMBER	PAGE: 1 OF 1

WELL DIAMETER (INCHES): ☐ 1 ☒ 2 ☐ 4 ☐ 6 ☐ 8 ☐ OTHER

TUBING ID (INCHES): ☐ 1/8 ☐ 1/4 ☐ 3/8 ☐ 1/2 ☐ 5/8 ☒ OTHER 0.17

MEASUREMENT POINT (MP): ☐ TOP OF RISER (TOR) ☒ TOP OF CASING (TOC) ☐ OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP		X	
CASING	X		
LOCKED		X	
COLLAR		X	

INITIAL DTW (BMP)	8.28 FT	FINAL DTW (BMP)	8.45 FT	PROT. CASING STICKUP (AGS)	2 FT	TOC/TOR DIFFERENCE	- FT
WELL DEPTH (BMP)	14.22 FT	SCREEN LENGTH	FT	PID AMBIENT AIR	0.0 PPM	REFILL TIMER SETTING	- SEC
WATER COLUMN	FT	DRAWDOWN VOLUME (final DTW - initial DTW X well diam. squared X 0.041)	GAL	PID WELL MOUTH	0.0 PPM	DISCHARGE TIMER SETTING	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	GAL	DRAWDOWN/ TOTAL PURGED		PRESSURE TO PUMP	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1120	BEGIN PURGING									
1130	8.44	200	15.8	0.372	6.32	1.49	2.14	184.7	11	
1140	8.45	200	15.9	0.307	6.31	1.29	2.95	173.5	11	
1145	8.45	200	16.0	0.371	6.31	1.36	2.51	173.4	11	
1150	8.45	200	16.2	0.372	6.31	1.36	2.27	172.4	11	
1155	8.45	200	16.3	0.374	6.32	1.35	2.03	170.4	11	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- ☒ PERISTALTIC
- ☐ SUBMERSIBLE
- ☐ BLADDER
- ☐ _____
- ☐ WATTERA
- ☐ OTHER
- ☐ OTHER

DECON FLUIDS USED
- ☐ LIQUINOX
- ☒ DEIONIZED WATER
- ☐ POTABLE WATER
- ☐ NITRIC ACID
- ☐ HEXANE
- ☐ METHANOL
- ☒ OTHER ALCONOX

TUBING/PUMP/BLADDER MATERIALS
- ☒ SILICON TUBING
- ☐ TEFLON TUBING
- ☐ TEFLON LINED TUBING
- ☒ HDPE TUBING
- ☐ LDPE TUBING
- ☐ OTHER
- ☐ OTHER

- ☐ S. STEEL PUMP MATERIAL
- ☐ PVC PUMP MATERIAL
- ☐ GEOPROBE SCREEN
- ☐ TEFLON BLADDER
- ☐ OTHER
- ☐ OTHER
- ☐ OTHER

EQUIPMENT USED
- ☒ WL METER
- ☐ PID
- ☒ WQ METER
- ☐ TURB. METER
- ☒ PUMP
- ☐ OTHER
- ☐ FILTERS NO. ___ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
☐	BTEX							
☐	Phenol							
☐								
☐								
☐								
☐								
☐								

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	☐	☒
NO-PURGE METHOD UTILIZED	☐	☒

NUMBER OF GALLONS GENERATED _____

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

Sampler Signature: K. Murphy Print Name: Kevin Murphy

Checked By: Date: 10/20/21

SKETCH/NOTES

TRC

LOW FLOW GROUNDWATER SAMPLING RECORD

10 Maxwell Drive, Suite 200, Clifton Park, NY 12065

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME: Borden Chemical		LOCATION ID: MW-15	DATE: 10/20/21
PROJECT NUMBER:		START TIME: 1235	END TIME: 1330
SAMPLE ID: BOR-MW-15-WG	SAMPLE TIME: 1330	SITE NAME/NUMBER:	PAGE: 1 OF 1

WELL DIAMETER (INCHES): ☐ 1 ☒ 2 ☐ 4 ☐ 6 ☐ 8 ☐ OTHER

TUBING ID (INCHES): ☐ 1/8 ☐ 1/4 ☐ 3/8 ☐ 1/2 ☐ 5/8 ☒ OTHER 0.17

MEASUREMENT POINT (MP): ☐ TOP OF RISER (TOR) ☒ TOP OF CASING (TOC) ☐ OTHER

WELL INTEGRITY	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED		X	
COLLAR		X	

INITIAL DTW (BMP)	11.20 FT	FINAL DTW (BMP)	12.41 FT	PROT. CASING STICKUP (AGS)	2 FT	TOC/TOR DIFFERENCE	FT
WELL DEPTH (BMP)	13.57 FT	SCREEN LENGTH	FT	PID AMBIENT AIR	0.0 PPM	REFILL TIMER SETTING	SEC
WATER COLUMN	FT	DRAWDOWN VOLUME (final DTW - initial DTW X well diam. squared X 0.041)	GAL	PID WELL MOUTH	1.8 PPM	DISCHARGE TIMER SETTING	SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	GAL	DRAWDOWN/ TOTAL PURGED		PRESSURE TO PUMP	PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1235	BEGIN PURGING									
1245	12.41	200	15.0	1.858	8.89	0.66	58.56	-345.6	13	
1255	12.41	200	14.9	1.538	8.48	0.59	62.74	-348.1	13	
1300	12.41	200	15.0	1.236	7.48	0.62	59.55	-184.2	13	
1305	12.41	200	14.9	1.227	7.13	0.63	83.19	-168.4	13	
1310	12.41	200	15.0	1.079	6.85	0.65	90.18	-129.7	13	
1315	12.41	200	15.1	1.009	6.82	0.66	95.83	-122.1	13	
1320	12.41	200	15.0	0.998	6.76	0.66	96.55	-120.6	13	
1325	12.41	200	15.0	0.983	6.72	0.66	93.97	-115.3	13	
~~1330~~										

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	DECON FLUIDS USED	TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED
☒ PERISTALTIC	☒ LIQUINOX	☒ SILICON TUBING	☐ S. STEEL PUMP MATERIAL	☒ WL METER
☐ SUBMERSIBLE	☐ DEIONIZED WATER	☐ TEFLON TUBING	☐ PVC PUMP MATERIAL	☐ PID
☐ BLADDER	☒ POTABLE WATER	☐ TEFLON LINED TUBING	☐ GEOPROBE SCREEN	☒ WQ METER
☐ WATTERA	☐ NITRIC ACID	☒ HDPE TUBING	☐ TEFLON BLADDER	☐ TURB. METER
☐ OTHER	☐ HEXANE	☐ LDPE TUBING	☐ OTHER	☒ PUMP
☐ OTHER	☐ METHANOL	☐ OTHER	☐ OTHER	☐ OTHER
	☐ OTHER	☐ OTHER	☐ OTHER	☐ FILTERS NO. TYPE

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
☐ BTEX							
☐ Phenol							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	☐	☒
NO-PURGE METHOD UTILIZED	☐	☒

NUMBER OF GALLONS GENERATED: _____

If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

SKETCH/NOTES

Sampler Signature: [signature] Print Name: Kevin Murphy

Checked By: Date: 10/20/21

TRC

LOW FLOW GROUNDWATER SAMPLING RECORD
10 Maxwell Drive, Suite 200, Clifton Park, NY 12065

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME: Borden Chemical	LOCATION ID: OW-35R
PROJECT NUMBER:	DATE: 10/20/21
SAMPLE ID: BOR-OW-35R-WG	SAMPLE TIME: 1440
	START TIME: 1355
	END TIME: 1440
	SITE NAME/NUMBER:
	PAGE: 1 OF 1

WELL DIAMETER (INCHES): ☐ 1 ☒ 2 ☐ 4 ☐ 6 ☐ 8 ☐ OTHER

TUBING ID (INCHES): ☐ 1/8 ☐ 1/4 ☐ 3/8 ☐ 1/2 ☐ 5/8 ☒ OTHER 0.17

MEASUREMENT POINT (MP): ☐ TOP OF RISER (TOR) ☒ TOP OF CASING (TOC) ☐ OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP		X	
CASING	X		
LOCKED		X	
COLLAR		X	

INITIAL DTW (BMP)	10.46 FT	FINAL DTW (BMP)	10.82 FT	PROT. CASING STICKUP (AGS)	2 FT	TOC/TOR DIFFERENCE	FT
WELL DEPTH (BMP)	17.84 FT	SCREEN LENGTH	FT	PID AMBIENT AIR	0.0 PPM	REFILL TIMER SETTING	SEC
WATER COLUMN	FT	DRAWDOWN VOLUME (final DTW - initial DTW X well diam. squared X 0.041)	GAL	PID WELL MOUTH	0.0 PPM	DISCHARGE TIMER SETTING	SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	GAL	DRAWDOWN/ TOTAL PURGED		PRESSURE TO PUMP	PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1355	BEGIN PURGING									
1405	10.82	250	14.8	0.582	6.42	0.76	49.53	-41.3	14	
1415	10.82	250	15.1	0.581	6.40	0.71	39.07	-46.8	14	
1420	10.82	250	15.0	0.580	6.40	0.69	22.84	-48.5	14	
1425	10.82	250	14.9	0.580	6.39	0.67	12.50	-50.0	14	
1430	10.82	250	15.0	0.579	6.38	0.66	12.41	-50.9	14	
1435	10.82	250	15.0	0.579	6.31	0.65	11.94	-51.2	14	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- ☒ PERISTALTIC
- ☐ SUBMERSIBLE
- ☐ BLADDER
- ☐ WATTERA
- ☐ OTHER
- ☐ OTHER

DECON FLUIDS USED
- ☒ LIQUINOX
- ☐ DEIONIZED WATER
- ☒ POTABLE WATER
- ☐ NITRIC ACID
- ☐ HEXANE
- ☐ METHANOL
- ☐ OTHER

TUBING/PUMP/BLADDER MATERIALS
- ☒ SILICON TUBING
- ☐ TEFLON TUBING
- ☐ TEFLON LINED TUBING
- ☒ HDPE TUBING
- ☐ LDPE TUBING
- ☐ OTHER
- ☐ OTHER

- ☐ S. STEEL PUMP MATERIAL
- ☐ PVC PUMP MATERIAL
- ☐ GEOPROBE SCREEN
- ☐ TEFLON BLADDER
- ☐ OTHER
- ☐ OTHER
- ☐ OTHER

EQUIPMENT USED
- ☒ WL METER
- ☐ PID
- ☒ WQ METER
- ☐ TURB. METER
- ☒ PUMP
- ☐ OTHER
- ☐ FILTERS NO. ___ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
☐	BTEX							
☐	Phenol							

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	☐	☒
NO-PURGE METHOD UTILIZED	☐	☒

NUMBER OF GALLONS GENERATED: ____

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: [signature] Print Name: Kevin Murphy

Checked By: Date: 10/20/21

TRC

LOW FLOW GROUNDWATER SAMPLING RECORD
10 Maxwell Drive, Suite 200, Clifton Park, NY 12065

APPENDIX D

July 18, 2019 Service Request No:R1905417

Mr. Tom Rankin
Professional Service Industries (PSI)
104 Erie Boulevard, Suite 101
Schenectady, NY 12305

Laboratory Results for: Former Borden Facility

Dear Mr.Rankin,

Enclosed are the results of the sample(s) submitted to our laboratory June 12, 2019
For your reference, these analyses have been assigned our service request number **R1905417.**

All testing was performed according to our laboratory's quality assurance program and met the requirements of the TNI standards except as noted in the case narrative report. Any testing not included in the lab's accreditation is identified on a Non-Certified Analytes report. All results are intended to be considered in their entirety. ALS Environmental is not responsible for use of less than the complete report. Results apply only to the individual samples submitted to the lab for analysis, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s), and represented by Laboratory Control Sample control limits. Any events, such as QC failures or Holding Time exceedances, which may add to the uncertainty are explained in the report narrative or are flagged with qualifiers. The flags are explained in the Report Qualifiers and Definitions page of this report.

Please contact me if you have any questions. My extension is 7471. You may also contact me via email at Brady.Kalkman@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Brady Kalkman
Project Manager

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Narrative Documents

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

ALS Environmental

Client: Professional Service Industries (PSI) Schenectady, NY
Service Request: R1905417
Project: Former Borden Facility
Date Received: 06/12/2019
Sample Matrix: Water

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier level IV requested by the client.

Sample Receipt:

Fourteen water samples were received for analysis at ALS Environmental on 06/12/2019. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Semivolatiles by GC/MS:

Method 8270D, 07/12/2019: The Method Blank contained a low level of one or more analytes at concentrations above the Method Reporting Limit (MRL). Since there were no detections of the analyte(s) in the associated field samples, the data quality was not significantly affected and no further corrective action was taken.

Method 8270D, 07/12/2019: The Method Blank contained a low level of one or more analytes at concentrations above the Method Reporting Limit (MRL), but less than ten times the concentration in the associated samples. Contamination is deemed insignificant relative to the reported samples and the data is reported with no further corrective action required.

Method 8270D, 06/18/2019: The control limit was exceeded for one or more surrogates in the Continuing Calibration Verification (CCV). The surrogates were within acceptance limits for the associated field samples. The data quality was not significantly affected and no further corrective action was taken.
Method 8270D, 06/18/2019: The Method Blank contained a high level of the following analytes above the Reporting Limit: Phenol. All associated sample results less than ten times the level found in the Method Blank are flagged. The samples were reprepared/reanalyzed outside of holding time.
Method 8270D, 06/18/2019: The upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). The error associated with elevated recovery equates to a high bias. Any samples with a hit greater than the Method Detection Limits (MDL) will be re-extracted outside holding time. No further corrective action was appropriate.

Method 8270D, 06/24/2019: The control limit was exceeded for one or more surrogates in the Continuing Calibration Verification (CCV). The surrogates were within acceptance limits for the associated field samples. The data quality was not significantly affected and no further corrective action was taken.

Method 8270D, 06/24/2019: The Method Blank contained a low level of the following analytes above the Detection Limit: Phenol. All associated sample results less than ten times the level found in the Method Blank are flagged. Theese samples were already re-extracted.
Method 8270D, 06/20/2019: The control limit was exceeded for one or more surrogates in the Continuing Calibration Verification (CCV). The surrogates were within acceptance limits for the associated field samples. The data quality was not significantly affected and no further corrective action was taken.
Method 8270D, R1905417-001, -003, -004: The control limits for one or more surrogates in the sample are not applicable. The analysis of the sample required a dilution, which resulted in a surrogate concentration below the Method Reporting Limit (MRL). No further corrective action was appropriate.

Method 8270D SIM, R1905417-002: The control limits were exceeded for one or more surrogates due to matrix interferences. A

Approved by Date 07/18/2019

re-extraction and reanalysis was performed outside of holding time. Surrogates were within limits for the re-extraction. Both results are reported.

Semivoa GC:

No significant anomalies were noted with this analysis.

Subcontracted Analytical Parameters:

No significant anomalies were noted with this analysis.

Volatiles by GC/MS:

No significant anomalies were noted with this analysis.

Approved by _____ Date 07/18/2019

SAMPLE DETECTION SUMMARY

CLIENT ID: MW-16			Lab ID: R1905417-001			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Phenol	2500	B	22	210	ug/L	8270D
Formaldehyde	8.8	J	6.1	20	ug/L	8315A

CLIENT ID: MW-27			Lab ID: R1905417-002			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Benzene	0.63	J	0.20	5.0	ug/L	8260C
1,4-Dioxane	0.087		0.027	0.040	ug/L	8270D SIM
1,4-Dioxane	1.0		0.27	0.40	ug/L	8270D SIM
Phenol	200	B	2.2	22	ug/L	8270D
Formaldehyde	66		6.1	20	ug/L	8315A

CLIENT ID: MW-15			Lab ID: R1905417-003			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Benzene	42	J	5.0	130	ug/L	8260C
Ethylbenzene	11	J	5.0	130	ug/L	8260C
Toluene	4400		5.0	130	ug/L	8260C
1,4-Dioxane	0.097		0.027	0.040	ug/L	8270D SIM
Phenol	290000		3000	30000	ug/L	8270D
Phenol	150000		10000	94000	ug/L	8270D

CLIENT ID: MW-28			Lab ID: R1905417-004			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Benzene	2.6	J	0.20	5.0	ug/L	8260C
Toluene	0.22	J	0.20	5.0	ug/L	8260C
m,p-Xylenes	0.27	J	0.20	5.0	ug/L	8260C
Phenol	2000	B	20	190	ug/L	8270D

CLIENT ID: MW-35R			Lab ID: R1905417-005			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Phenol	410	B	5.0	47	ug/L	8270D

CLIENT ID: OW-35R			Lab ID: R1905417-006			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Benzene	1.3	J	0.20	5.0	ug/L	8260C
Toluene	0.47	J	0.20	5.0	ug/L	8260C
m,p-Xylenes	0.56	J	0.20	5.0	ug/L	8260C
o-Xylene	0.21	J	0.20	5.0	ug/L	8260C
Phenol	2.4	BJ	1.0	10	ug/L	8270D
Phenol	2.0	BJ	1.0	10	ug/L	8270D

CLIENT ID: Beatty Creek			Lab ID: R1905417-007			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Phenol	1.2	BJ	1.0	9.4	ug/L	8270D

SAMPLE DETECTION SUMMARY

CLIENT ID: MW-19			Lab ID: R1905417-008			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Benzene	0.28	J	0.20	5.0	ug/L	8260C

CLIENT ID: OW-10R			Lab ID: R1905417-009			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Benzene	5.5		0.20	5.0	ug/L	8260C
Ethylbenzene	1.6	J	0.20	5.0	ug/L	8260C
Toluene	30		0.20	5.0	ug/L	8260C
m,p-Xylenes	0.90	J	0.20	5.0	ug/L	8260C
o-Xylene	0.36	J	0.20	5.0	ug/L	8260C
Phenol	580	B	5.3	52	ug/L	8270D
Phenol	450		5.0	47	ug/L	8270D
Formaldehyde	53		6.1	20	ug/L	8315A

CLIENT ID: MW-17			Lab ID: R1905417-011			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Aroclor 1248	0.10		0.027	0.047	ug/L	8082A

CLIENT ID: Dupe			Lab ID: R1905417-013			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Benzene	6.6		0.20	5.0	ug/L	8260C
Ethylbenzene	1.8	J	0.20	5.0	ug/L	8260C
Toluene	38		0.20	5.0	ug/L	8260C
m,p-Xylenes	1.0	J	0.20	5.0	ug/L	8260C
o-Xylene	0.49	J	0.20	5.0	ug/L	8260C

Sample Receipt Information

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:**R1905417
Project: Former Borden Facility/08212777

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
R1905417-001	MW-16	6/10/2019	1200
R1905417-002	MW-27	6/10/2019	1222
R1905417-003	MW-15	6/10/2019	1030
R1905417-004	MW-28	6/10/2019	1228
R1905417-005	MW-35R	6/10/2019	1125
R1905417-006	OW-35R	6/10/2019	1005
R1905417-007	Beatty Creek	6/10/2019	1140
R1905417-008	MW-19	6/10/2019	1115
R1905417-009	OW-10R	6/10/2019	0940
R1905417-009	OW-10R	6/10/2019	0940
R1905417-010	MW-2B	6/10/2019	1320
R1905417-011	MW-17	6/10/2019	1350
R1905417-012	MW-21	6/10/2019	1245
R1905417-013	Dupe	6/10/2019	
R1905417-014	Trip Blank	6/10/2019	0600

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM 54001

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax) PAGE 1 OF 2

Project Name: FORMER BORDEN	Project Number: 00212777
Project Manager: TOM RANKIN	Report CC:
Company/Address: ENVIRTECH/PSI 104 ERIE BLVD, SUITE 1 SCHENECTADY, NY 12305	
Phone #: 978-929-8513	Email: THOMAS.RANKIN@ENVIRTECH.COM
Sampler's Signature: TRCP	Sampler's Printed Name: TOM RANKIN/CHRIS POTTER

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

PRESERVATIVE: 1 | 0 | | | 6 | | | 0 | 0

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOAs (8260 • 624 • CLP) BTEXMTBE	GC/MS SVOAs (8270 • 625) PHENOLS	GC VOAs (8021 • 601/602)	PESTICIDES (8081 • 608)	PCBs (8082 • 608)	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	FORMALDEHYDE 8315	PHENOLS 537	1,4-DIOXANE per client info 6/14/19					
MW-16		6/10/19	12:00	GW	5	✓	✓						✓							
MW-27			12:22		7	✓	✓						✓	✓	✓					
MW-15			16:30		7	✓	✓							✓	✓					
MW-28			12:20		5	✓	✓													
MW-35R			11:25		5	✓	✓													
DW-35R			10:05	↓	5	✓	✓													
BEATTY CREEK			11:40	SW	5	✓	✓													
MW-9			11:15	GW	5	✓	✓						✓							
MW-10R			9:40		3	✓	✓			✓			✓							
MW-23			1:20	↓	1					✓										
MW-17		↓	11:50	↓	2		✓			✓				✓	✓					

Preservative Key: 0. NONE; 1. HCL; 2. HNO_3; 3. H_2SO_4; 4. NaOH; 5. Zn. Acetate; 6. MeOH; 7. $NaHSO_4$; 8. Other _____

REMARKS/ALTERNATE DESCRIPTION

SPECIAL INSTRUCTIONS/COMMENTS
Metals

See QAPP ☐

TURNAROUND REQUIREMENTS
_____ RUSH (SURCHARGES APPLY)
_____ 1 day _____ 2 day _____ 3 day
_____ 4 day _____ 5 day
_____ Standard (10 business days-No Surcharge)
REQUESTED REPORT DATE
_____

REPORT REQUIREMENTS
_____ I. Results Only
_____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
_____ III. Results + QC and Calibration Summaries
_____ IV. Data Validation Repo
Edata _____ Yes

INVOICE INFORMATION
PO #
BILL TO:

R1905417 5
Professional Service Industries (PSI)
Former Borden Facility

STATE WHERE SAMPLES WERE COLLECTED

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RELINQUISHED BY
Signature:	Signature: ENVIRTECH/PSI	Signature:	Signature:	Signature:	Signature:
Printed Name: THOMAS RANKIN	Printed Name: ENVIRTECH	Printed Name: ENVIRTECH/PSI	Printed Name: BRIAN MCGUIRK	Printed Name: BRIAN MCGUIRK	Printed Name: GREGORY G. EMERSON
Firm: ENVIRTECH/PSI	Firm: ENVIRTECH	Firm:	Firm: ALS	Firm: ALS	Firm: ALS
Date/Time: 6/10/19 3:30	Date/Time: 6/10/19 3:30	Date/Time: 6/11/19 10:05	Date/Time: 6/11/19	Date/Time: 6/11/19 1700	Date/Time: 6-12-19 09:25

Distribution: White - Lab Copy; Yellow - Return to Originator

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CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM 57042

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax) PAGE 2 OF 2

Project Name: FORMER BORDEN	Project Number: 05212777
Project Manager: TOM RANKIN	Report CC:
Company/Address: INTERFACE/PSI WATERS BLVD, SUITE 1 SCHENECTADY, NY 12305	
Phone #: 978-424-8913	Email: THOMAS.RANKIN@INTERFACE...
Sampler's Signature:	Sampler's Printed Name: TRANKIN / CHRIS POTZER

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE: 1 | 0 | 0

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOAs ○8260 ○624 ○CLP BTEX only	GC/MS SVOAs ○8270 ○625	GC VOAs ○8021 ○601/602	PESTICIDES ○8081 ○608	PCBs ○8082 ○608	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	PFAS/PFAS 537						
MW-21		6/10/19	12:45	GW	2					✓									
DUPE		6/10/19		GW	3 5	✓							✓	✓					
TRIP BLANK		5/16/19	6:00		3														

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

REMARKS/ ALTERNATE DESCRIPTION

SPECIAL INSTRUCTIONS/COMMENTS
Metals

See QAPP ☐

STATE WHERE SAMPLES WERE COLLECTED

TURNAROUND REQUIREMENTS
_____ RUSH (SURCHARGES APPLY)
_____ 1 day _____ 2 day _____ 3 day
_____ 4 day _____ 5 day
_____ Standard (10 business days-No Surcharge)

REQUESTED REPORT DATE _____

REPORT REQUIREMENTS
_____ I. Results Only
_____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
_____ III. Results + QC and Calibration Summaries
_____ IV. Data Validation Report

Edata _____ Yes

INVOICE INFORMATION
PO #
BILL TO:

R1905417 5
Professional Service Industries (PSI)
Former Borden Facility

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED	
Signature	Signature INTERFACE FEDEX	Signature	Signature Brian McGuirk	Signature Brian McGuirk	Signature
Printed Name THOMAS RANKIN	Printed Name	Printed Name	Printed Name BRIAN MCGUIRK	Printed Name BRIAN MCGUIRK	Printed Name Gregory Q. Somerfay
Firm INTERFACE/PSI	Firm INTERFACE	Firm	Firm ALS	Firm ALS	Firm ALS
Date/Time 6/11/19 3:31	Date/Time 6/11/19 3:30	Date/Time 6/11/19 10:05	Date/Time 6/11/19 1005	Date/Time 6/11/19 1700	Date/Time 6-12-19 09:25

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Cooler Receipt and Preservation Check Form

R1905417 5
Professional Service Industries (PSI)
Former Borden Facility

Project/Client _____ Folder Number _____ Groundwater

Cooler received on 6-12-19 by: RE/GL

COURIER: ALS UPS (FEDEX) VELOCITY CLIENT

1	Were **Custody seals** on outside of cooler?	(Y) N	5a	**Perchlorate** samples have required headspace?	Y N (NA)
2	**Custody papers** properly completed (ink, signed)?	(Y) N	5b	Did VOA vials, Alk,or Sulfide have sig* **bubbles**?	Y (N) NA *
3	Did all bottles arrive in good **condition** (unbroken)?	(Y) N	6	Where did the bottles originate?	(ALS/ROC) CLIENT
4	Circle: (**Wet Ice**) **Dry Ice** **Gel packs** present?	(Y) N	7	Soil VOA received as: Bulk Encore 5035set	(NA)

8. Temperature Readings Date: 6-12-19 Time: 09:30 ID: IR#7 (IR#10) From: (Temp Blank) Sample Bottle

Observed Temp (°C)	2.0	1.0	1.8				
Correction Factor (°C)	+0.3	+0.3	+0.3				
Corrected Temp (°C)	2.3	1.3	2.1				
Temp from:Type of bottle	Cent tube →		Cent tube				
Within 0-6°C?	(Y) N	Y N	(Y) N	Y N	Y N	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule

&Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: R-002 by RE on 6-12-19 at 09:50
5035 samples placed in storage location: _____ by _____ on _____ at _____

Cooler Breakdown/Preservation Check**: Date: 6/13/19 Time: 1215 by: RE

9. Were all bottle labels complete (*i.e.* analysis, preservation, etc.)? (YES) NO
10. Did all bottle labels and tags agree with custody papers? (YES) NO
11. Were correct containers used for the tests indicated? YES (NO)
12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO (N/A)
13. Air Samples: Cassettes / Tubes Intact with MS? Canisters Pressurized Tedlar® Bags Inflated (N/A)

pH	Lot of test paper	Reagent	Preserved? Yes	Preserved? No	Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
≥12		NaOH								
≤2		HNO_3								
≤2		H_2SO_4								
<4		$NaHSO_4$								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If +, contact PM to add $Na_2S_2O_3$ (625, 608, CN), ascorbic (phenol).					
		$Na_2S_2O_3$								
		ZnAcetate	-	-						
		HCl	**	**	4117090					

**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).

Bottle lot numbers: 112017-1DK, 8-333-002

Explain all Discrepancies/ Other Comments:

Headspace: 3 vials TB
* 2 vials MW-28
2 vials OW-35R
3 vials OW-10R

CLRES	BULK
DO	FLDT
HPROD	HGFB
HTR	LL3541
PH	(SUB)
SO3	MARRS
ALS	REV

Labels secondary reviewed by: RE
PC Secondary Review: _____

*significant air bubbles: VOA > 5-6 mm : WC > 1 in. diameter

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Internal Chain of Custody Report

Client: Professional Service Industries (PSI) **Service Request:** R1905417
Project: Former Borden Facility/08212777

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R1905417-001.01					
	8260C				
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-001 / GLAFORCE	
		6/17/2019	1803	In Lab / DLIPANI	
		6/17/2019	2028	R-001-S10 / DLIPANI	
R1905417-001.02					
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-001 / GLAFORCE	
R1905417-001.03					
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-001 / GLAFORCE	
R1905417-001.04					
	8270D,8315A				
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-002 / GLAFORCE	
		7/1/2019	0903	In Lab / BALLGEIER	
R1905417-001.05					
	8270D				
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-002 / GLAFORCE	
		6/17/2019	1002	In Lab / VSTAUFFER	
R1905417-002.02					
	8260C				
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-001 / GLAFORCE	
		6/17/2019	1803	In Lab / DLIPANI	
		6/17/2019	2028	R-001-S10 / DLIPANI	
R1905417-002.03					
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-001 / GLAFORCE	
R1905417-002.04					
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-001 / GLAFORCE	
R1905417-002.05					
	PFC/537M				
		6/13/2019	1226	SMO / GLAFORCE	6/18/2019

Client: Professional Service Industries (PSI) **Service Request:** R1905417
Project: Former Borden Facility/08212777

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	PFC/537M				
		6/13/2019	1229	SUBBED / GLAFORCE	6/18/2019
		6/14/2019	1536	OLC 189 / SMO2	6/18/2019
		6/14/2019	1537	K-OLC / SMO2	6/18/2019
		6/18/2019	1505	K-Disposed / KLMILLER	6/18/2019
R1905417-002.06					
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	SUBBED / GLAFORCE	
		6/14/2019	1536	OLC 189 / SMO2	
		6/14/2019	1537	K-OLC / SMO2	
		7/12/2019	1949	K-DELILAH / BDAVIS	
R1905417-002.07					
	8270D SIM,8270D,8315A,8270D SIM				
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-002 / GLAFORCE	
		6/17/2019	1108	In Lab / JMISIUREWICZ	
		6/17/2019	1554	R-002 / JMISIUREWICZ	
		6/24/2019	1156	In Lab / JMISIUREWICZ	
		6/24/2019	1633	R-002 / JMISIUREWICZ	
		7/1/2019	0903	In Lab / BALLGEIER	
R1905417-002.08					
	8270D				
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-002 / GLAFORCE	
		6/17/2019	1002	In Lab / VSTAUFFER	
R1905417-003.01					
	8260C				
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-001 / GLAFORCE	
		6/17/2019	1803	In Lab / DLIPANI	
		6/17/2019	2028	R-001-S10 / DLIPANI	
R1905417-003.02					
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-001 / GLAFORCE	
R1905417-003.03					
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-001 / GLAFORCE	
R1905417-003.05					

ALS Group USA, Corp.
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Internal Chain of Custody Report

Client: Professional Service Industries (PSI) **Service Request:** R1905417
Project: Former Borden Facility/08212777

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	PFC/537M,PFC/537M				
		6/13/2019	1226	SMO / GLAFORCE	6/18/2019
		6/13/2019	1229	SUBBED / GLAFORCE	6/18/2019
		6/14/2019	1536	OLC 189 / SMO2	6/18/2019
		6/14/2019	1537	K-OLC / SMO2	6/18/2019
		6/18/2019	1505	K-Disposed / KLMILLER	6/18/2019
R1905417-003.06					
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	SUBBED / GLAFORCE	
		6/14/2019	1536	OLC 189 / SMO2	
		6/14/2019	1537	K-OLC / SMO2	
		7/12/2019	1949	K-DELILAH / BDAVIS	
R1905417-003.07					
	8270D,8270D SIM				
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-002 / GLAFORCE	
		6/17/2019	1108	In Lab / JMISIUREWICZ	
		6/17/2019	1553	R-002 / JMISIUREWICZ	
		7/1/2019	0903	In Lab / BALLGEIER	
R1905417-003.08					
	8270D				
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-002 / GLAFORCE	
		6/17/2019	1002	In Lab / VSTAUFFER	
R1905417-004.01					
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-001 / GLAFORCE	
		6/17/2019	1803	In Lab / DLIPANI	
		6/17/2019	2028	R-001-S10 / DLIPANI	
R1905417-004.02					
	8260C				
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-001 / GLAFORCE	
		6/18/2019	1148	In Lab / DLIPANI	
		6/18/2019	1926	R-001-S10 / DLIPANI	
R1905417-004.03					
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-001 / GLAFORCE	

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Internal Chain of Custody Report

Client: Professional Service Industries (PSI) **Service Request:** R1905417
Project: Former Borden Facility/08212777

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R1905417-004.04					
	8270D				
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-002 / GLAFORCE	
		6/17/2019	1002	In Lab / VSTAUFFER	
R1905417-004.05					
	8270D				
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-002 / GLAFORCE	
		7/1/2019	0903	In Lab / BALLGEIER	
R1905417-005.01					
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-001 / GLAFORCE	
		6/17/2019	1804	In Lab / DLIPANI	
		6/17/2019	2029	R-001-S10 / DLIPANI	
R1905417-005.02					
	8260C				
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-001 / GLAFORCE	
		6/18/2019	1148	In Lab / DLIPANI	
		6/18/2019	1926	R-001-S10 / DLIPANI	
R1905417-005.03					
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-001 / GLAFORCE	
R1905417-005.04					
	8270D				
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-002 / GLAFORCE	
		7/1/2019	0903	In Lab / BALLGEIER	
R1905417-005.05					
	8270D				
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-002 / GLAFORCE	
		6/17/2019	1002	In Lab / VSTAUFFER	
R1905417-006.01					
	8260C				
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-001 / GLAFORCE	
		6/17/2019	1804	In Lab / DLIPANI	

Client: Professional Service Industries (PSI) **Service Request:** R1905417
Project: Former Borden Facility/08212777

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	8260C				
		6/17/2019	2029	R-001-S10 / DLIPANI	
R1905417-006.02					
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-001 / GLAFORCE	
R1905417-006.03					
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-001 / GLAFORCE	
R1905417-006.04					
	8270D				
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-002 / GLAFORCE	
		6/17/2019	1002	In Lab / VSTAUFFER	
R1905417-006.05					
	8270D				
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-002 / GLAFORCE	
		6/21/2019	0936	In Lab / JMISIUREWICZ	
R1905417-007.01					
	8260C				
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-001 / GLAFORCE	
		6/17/2019	1804	In Lab / DLIPANI	
		6/17/2019	2029	R-001-S10 / DLIPANI	
R1905417-007.02					
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-001 / GLAFORCE	
R1905417-007.03					
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-001 / GLAFORCE	
R1905417-007.04					
	8270D				
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-002 / GLAFORCE	
		6/21/2019	0936	In Lab / JMISIUREWICZ	
R1905417-007.05					

Client: Professional Service Industries (PSI) **Service Request:** R1905417
Project: Former Borden Facility/08212777

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	8270D				
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-002 / GLAFORCE	
		6/17/2019	1003	In Lab / VSTAUFFER	
R1905417-008.01					
	8260C				
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-001 / GLAFORCE	
		6/17/2019	1804	In Lab / DLIPANI	
		6/17/2019	2029	R-001-S10 / DLIPANI	
R1905417-008.02					
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-001 / GLAFORCE	
R1905417-008.03					
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-001 / GLAFORCE	
R1905417-008.04					
	8270D				
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-002 / GLAFORCE	
		6/17/2019	1003	In Lab / VSTAUFFER	
R1905417-008.05					
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-002 / GLAFORCE	
R1905417-009.01					
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-001 / GLAFORCE	
		6/17/2019	1804	In Lab / DLIPANI	
		6/17/2019	2028	R-001-S10 / DLIPANI	
R1905417-009.02					
	8260C				
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-001 / GLAFORCE	
		6/18/2019	1148	In Lab / DLIPANI	
		6/18/2019	1926	R-001-S10 / DLIPANI	
R1905417-009.03					

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Internal Chain of Custody Report

Client: Professional Service Industries (PSI) **Service Request:** R1905417
Project: Former Borden Facility/08212777

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-001 / GLAFORCE	
R1905417-009.04					
	8270D,8315A				
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-002 / GLAFORCE	
		7/1/2019	0903	In Lab / BALLGEIER	
R1905417-009.05					
	8270D				
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-002 / GLAFORCE	
		6/17/2019	1003	In Lab / VSTAUFFER	
R1905417-010.10					
	8082A				
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-002 / GLAFORCE	
		6/14/2019	1320	In Lab / VSTAUFFER	
R1905417-010.11					
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-002 / GLAFORCE	
R1905417-011.06					
	PFC/537M				
		6/13/2019	1226	SMO / GLAFORCE	6/18/2019
		6/13/2019	1229	SUBBED / GLAFORCE	6/18/2019
		6/14/2019	1536	OLC 189 / SMO2	6/18/2019
		6/14/2019	1537	K-OLC / SMO2	6/18/2019
		6/18/2019	1505	K-Disposed / KLMILLER	6/18/2019
R1905417-011.07					
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	SUBBED / GLAFORCE	
		6/14/2019	1536	OLC 189 / SMO2	
		6/14/2019	1537	K-OLC / SMO2	
		7/12/2019	1949	K-DELILAH / BDAVIS	
R1905417-011.08					
	8270D				
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-002 / GLAFORCE	
		6/17/2019	1003	In Lab / VSTAUFFER	

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Internal Chain of Custody Report

Client: Professional Service Industries (PSI) **Service Request:** R1905417
Project: Former Borden Facility/08212777

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R1905417-011.10					
	8082A				
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-002 / GLAFORCE	
		6/14/2019	1320	In Lab / VSTAUFFER	
R1905417-012.10					
	8082A				
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-002 / GLAFORCE	
		6/14/2019	1320	In Lab / VSTAUFFER	
R1905417-012.11					
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-002 / GLAFORCE	
R1905417-013.01					
	8260C				
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-001 / GLAFORCE	
		6/17/2019	1804	In Lab / DLIPANI	
		6/17/2019	2029	R-001-S10 / DLIPANI	
R1905417-013.02					
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-001 / GLAFORCE	
R1905417-013.03					
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-001 / GLAFORCE	
R1905417-013.05					
	PFC/537M,PFC/537M				
		6/13/2019	1226	SMO / GLAFORCE	6/18/2019
		6/13/2019	1229	SUBBED / GLAFORCE	6/18/2019
		6/14/2019	1537	OLC 189 / SMO2	6/18/2019
		6/14/2019	1537	K-OLC / SMO2	6/18/2019
		6/18/2019	1505	K-Disposed / KLMILLER	6/18/2019
R1905417-013.06					
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	SUBBED / GLAFORCE	
		6/14/2019	1537	OLC 189 / SMO2	
		6/14/2019	1537	K-OLC / SMO2	

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

Client: Professional Service Industries (PSI) **Service Request:** R1905417
Project: Former Borden Facility/08212777

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
		7/12/2019	1949	K-DELILAH / BDAVIS	
R1905417-014.01					
	8260C				
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-001 / GLAFORCE	
		6/17/2019	1804	In Lab / DLIPANI	
		6/17/2019	2029	R-001-S10 / DLIPANI	
R1905417-014.02					
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-001 / GLAFORCE	
R1905417-014.03					
		6/13/2019	1226	SMO / GLAFORCE	
		6/13/2019	1229	R-001 / GLAFORCE	

Miscellaneous Forms

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www.alsglobal.com

REPORT QUALIFIERS AND DEFINITIONS

U Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.

J Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).

B Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.

E Inorganics- Concentration is estimated due to the serial dilution was outside control limits.

E Organics- Concentration has exceeded the calibration range for that specific analysis.

D Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.

* Indicates that a quality control parameter has exceeded laboratory limits. Under the ñNotesò column of the Form I, this qualifier denotes analysis was performed out of Holding Time.

H Analysis was performed out of hold time for tests that have an ñimmediateò hold time criteria.

Spike was diluted out.

\+ Correlation coefficient for MSA is <0.995.

N Inorganics- Matrix spike recovery was outside laboratory limits.

N Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.

S Concentration has been determined using Method of Standard Additions (MSA).

W Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.

P Concentration >40% difference between the two GC columns.

C Confirmed by GC/MS

Q DoD reports: indicates a pesticide/Aroclor is not confirmed (Ó100% Difference between two GC columns).

X See Case Narrative for discussion.

MRL Method Reporting Limit. Also known as:
LOQ Limit of Quantitation (LOQ)
The lowest concentration at which the method analyte may be reliably quantified under the method conditions.

MDL Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).

LOD Limit of Detection. A value at or above the MDL which has been verified to be detectable.

ND Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.

Rochester Lab ID # for State Certifications[1]

Connecticut ID # PH0556	Maine ID #NY0032	Pennsylvania ID# 68-786
Delaware Approved	New Hampshire ID # 2941	Rhode Island ID # 158
DoD ELAP #65817	New York ID # 10145	Virginia #460167
Florida ID # E87674	North Carolina #676	

[1] Analyses were performed according to our laboratoryôs NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to https://www.alsglobal.com/locations/americas/north-america/usa/new-york/rochester-environmental

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility/08212777

Sample Name: MW-16 **Date Collected:** 06/10/19
Lab Code: R1905417-001 **Date Received:** 06/12/19
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		DLIPANI
8270D	KSERCU	JMISIUREWICZ
8315A	BALLGEIER	BALLGEIER

Sample Name: MW-16 **Date Collected:** 06/10/19
Lab Code: R1905417-001.R01 **Date Received:** 06/12/19
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8270D	KSERCU	JMISIUREWICZ

Sample Name: MW-27 **Date Collected:** 06/10/19
Lab Code: R1905417-002 **Date Received:** 06/12/19
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		DLIPANI
8270D	KSERCU	JMISIUREWICZ
8270D SIM	JMISIUREWICZ	JMISIUREWICZ
8315A	BALLGEIER	BALLGEIER
PFC/537M	NHILLIKER	CMULLER

Sample Name: MW-27 **Date Collected:** 06/10/19
Lab Code: R1905417-002.R01 **Date Received:** 06/12/19
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8270D	KSERCU	JMISIUREWICZ
8270D SIM	JMISIUREWICZ	JMISIUREWICZ

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility/08212777

Sample Name: MW-15 **Date Collected:** 06/10/19
Lab Code: R1905417-003 **Date Received:** 06/12/19
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		DLIPANI
8270D	KSERCU	JMISIUREWICZ
8270D SIM	JMISIUREWICZ	JMISIUREWICZ
PFC/537M	NHILLIKER	LDOMREIS

Sample Name: MW-15 **Date Collected:** 06/10/19
Lab Code: R1905417-003.R01 **Date Received:** 06/12/19
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8270D	KSERCU	JMISIUREWICZ
PFC/537M	NHILLIKER	CMULLER

Sample Name: MW-28 **Date Collected:** 06/10/19
Lab Code: R1905417-004 **Date Received:** 06/12/19
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		DLIPANI
8270D	KSERCU	JMISIUREWICZ

Sample Name: MW-28 **Date Collected:** 06/10/19
Lab Code: R1905417-004.R01 **Date Received:** 06/12/19
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8270D	KSERCU	JMISIUREWICZ

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility/08212777

Sample Name: MW-35R **Date Collected:** 06/10/19
Lab Code: R1905417-005 **Date Received:** 06/12/19
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		DLIPANI
8270D	KSERCU	JMISIUREWICZ

Sample Name: MW-35R **Date Collected:** 06/10/19
Lab Code: R1905417-005.R01 **Date Received:** 06/12/19
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8270D	KSERCU	JMISIUREWICZ

Sample Name: OW-35R **Date Collected:** 06/10/19
Lab Code: R1905417-006 **Date Received:** 06/12/19
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		DLIPANI
8270D	BALLGEIER	JMISIUREWICZ

Sample Name: OW-35R **Date Collected:** 06/10/19
Lab Code: R1905417-006.R01 **Date Received:** 06/12/19
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8270D	KSERCU	JMISIUREWICZ

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility/08212777

Sample Name: Beatty Creek **Date Collected:** 06/10/19
Lab Code: R1905417-007 **Date Received:** 06/12/19
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		DLIPANI
8270D	BALLGEIER	JMISIUREWICZ

Sample Name: Beatty Creek **Date Collected:** 06/10/19
Lab Code: R1905417-007.R01 **Date Received:** 06/12/19
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8270D	KSERCU	JMISIUREWICZ

Sample Name: MW-19 **Date Collected:** 06/10/19
Lab Code: R1905417-008 **Date Received:** 06/12/19
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		DLIPANI
8270D	KSERCU	JMISIUREWICZ

Sample Name: OW-10R **Date Collected:** 06/10/19
Lab Code: R1905417-009 **Date Received:** 06/12/19
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		DLIPANI
8270D	KSERCU	JMISIUREWICZ
8315A	BALLGEIER	BALLGEIER

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility/08212777

Sample Name: OW-10R **Date Collected:** 06/10/19
Lab Code: R1905417-009.R01 **Date Received:** 06/12/19
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8270D	KSERCU	JMISIUREWICZ

Sample Name: MW-2B **Date Collected:** 06/10/19
Lab Code: R1905417-010 **Date Received:** 06/12/19
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8082A	KSERCU	AMOSES

Sample Name: MW-17 **Date Collected:** 06/10/19
Lab Code: R1905417-011 **Date Received:** 06/12/19
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8082A	KSERCU	AMOSES
8270D	KSERCU	JMISIUREWICZ
PFC/537M	NHILLIKER	CMULLER

Sample Name: MW-21 **Date Collected:** 06/10/19
Lab Code: R1905417-012 **Date Received:** 06/12/19
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8082A	KSERCU	AMOSES

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777		

Sample Name:	Dupe	**Date Collected:**	06/10/19
Lab Code:	R1905417-013	**Date Received:**	06/12/19
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		DLIPANI
PFC/537M	NHILLIKER	LDOMREIS

Sample Name:	Dupe	**Date Collected:**	06/10/19
Lab Code:	R1905417-013.R01	**Date Received:**	06/12/19
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
PFC/537M	NHILLIKER	CMULLER

Sample Name:	Trip Blank	**Date Collected:**	06/10/19
Lab Code:	R1905417-014	**Date Received:**	06/12/19
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		DLIPANI

INORGANIC PREPARATION METHODS

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9014 Cyanide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Acid Soluble	9030B
9056A Bomb (Halogens)	5050A
9066 Manual Distillation	9065
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3005A/3010A
6010 SPLP (1312) extract	3005A/3010A
7196A	3060A
7199	3060A
9056A Halogens/Halides	5050
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction

For analytical methods not listed, the preparation method is the same as the analytical method reference.

Sample Results

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Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
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Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 12:00
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-16	**Units:**	ug/L
Lab Code:	R1905417-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	0.20 U	5.0	0.20	1	06/18/19 04:31	
Ethylbenzene	0.20 U	5.0	0.20	1	06/18/19 04:31	
Toluene	0.20 U	5.0	0.20	1	06/18/19 04:31	
m,p-Xylenes	0.20 U	5.0	0.20	1	06/18/19 04:31	
o-Xylene	0.20 U	5.0	0.20	1	06/18/19 04:31	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	06/18/19 04:31	
Dibromofluoromethane	100	89 - 119	06/18/19 04:31	
Toluene-d8	101	87 - 121	06/18/19 04:31	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 12:22
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-27	**Units:**	ug/L
Lab Code:	R1905417-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	**0.63 J**	5.0	0.20	1	06/18/19 04:53	
Ethylbenzene	0.20 U	5.0	0.20	1	06/18/19 04:53	
Toluene	0.20 U	5.0	0.20	1	06/18/19 04:53	
m,p-Xylenes	0.20 U	5.0	0.20	1	06/18/19 04:53	
o-Xylene	0.20 U	5.0	0.20	1	06/18/19 04:53	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	117	85 - 122	06/18/19 04:53	
Dibromofluoromethane	102	89 - 119	06/18/19 04:53	
Toluene-d8	103	87 - 121	06/18/19 04:53	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 10:30
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-15	**Units:**	ug/L
Lab Code:	R1905417-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	**42 J**	130	5.0	25	06/18/19 07:48	
Ethylbenzene	**11 J**	130	5.0	25	06/18/19 07:48	
Toluene	**4400**	130	5.0	25	06/18/19 07:48	
m,p-Xylenes	5.0 U	130	5.0	25	06/18/19 07:48	
o-Xylene	5.0 U	130	5.0	25	06/18/19 07:48	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	116	85 - 122	06/18/19 07:48	
Dibromofluoromethane	102	89 - 119	06/18/19 07:48	
Toluene-d8	121	87 - 121	06/18/19 07:48	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 12:28
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-28	**Units:**	ug/L
Lab Code:	R1905417-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	**2.6 J**	5.0	0.20	1	06/18/19 13:30	
Ethylbenzene	0.20 U	5.0	0.20	1	06/18/19 13:30	
Toluene	**0.22 J**	5.0	0.20	1	06/18/19 13:30	
m,p-Xylenes	**0.27 J**	5.0	0.20	1	06/18/19 13:30	
o-Xylene	0.20 U	5.0	0.20	1	06/18/19 13:30	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	06/18/19 13:30	
Dibromofluoromethane	102	89 - 119	06/18/19 13:30	
Toluene-d8	102	87 - 121	06/18/19 13:30	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 11:25
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-35R	**Units:**	ug/L
Lab Code:	R1905417-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	0.20 U	5.0	0.20	1	06/18/19 13:51	
Ethylbenzene	0.20 U	5.0	0.20	1	06/18/19 13:51	
Toluene	0.20 U	5.0	0.20	1	06/18/19 13:51	
m,p-Xylenes	0.20 U	5.0	0.20	1	06/18/19 13:51	
o-Xylene	0.20 U	5.0	0.20	1	06/18/19 13:51	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	06/18/19 13:51	
Dibromofluoromethane	102	89 - 119	06/18/19 13:51	
Toluene-d8	104	87 - 121	06/18/19 13:51	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 10:05
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	OW-35R	**Units:**	ug/L
Lab Code:	R1905417-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	**1.3 J**	5.0	0.20	1	06/18/19 05:58	
Ethylbenzene	0.20 U	5.0	0.20	1	06/18/19 05:58	
Toluene	**0.47 J**	5.0	0.20	1	06/18/19 05:58	
m,p-Xylenes	**0.56 J**	5.0	0.20	1	06/18/19 05:58	
o-Xylene	**0.21 J**	5.0	0.20	1	06/18/19 05:58	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	06/18/19 05:58	
Dibromofluoromethane	103	89 - 119	06/18/19 05:58	
Toluene-d8	104	87 - 121	06/18/19 05:58	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 11:40
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	Beatty Creek	**Units:**	ug/L
Lab Code:	R1905417-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	0.20 U	5.0	0.20	1	06/18/19 06:20	
Ethylbenzene	0.20 U	5.0	0.20	1	06/18/19 06:20	
Toluene	0.20 U	5.0	0.20	1	06/18/19 06:20	
m,p-Xylenes	0.20 U	5.0	0.20	1	06/18/19 06:20	
o-Xylene	0.20 U	5.0	0.20	1	06/18/19 06:20	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	06/18/19 06:20	
Dibromofluoromethane	101	89 - 119	06/18/19 06:20	
Toluene-d8	101	87 - 121	06/18/19 06:20	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 11:15
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-19	**Units:**	ug/L
Lab Code:	R1905417-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	**0.28 J**	5.0	0.20	1	06/18/19 06:42	
Ethylbenzene	0.20 U	5.0	0.20	1	06/18/19 06:42	
Toluene	0.20 U	5.0	0.20	1	06/18/19 06:42	
m,p-Xylenes	0.20 U	5.0	0.20	1	06/18/19 06:42	
o-Xylene	0.20 U	5.0	0.20	1	06/18/19 06:42	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	06/18/19 06:42	
Dibromofluoromethane	101	89 - 119	06/18/19 06:42	
Toluene-d8	87	87 - 121	06/18/19 06:42	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 09:40
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	OW-10R	**Units:**	ug/L
Lab Code:	R1905417-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	**5.5**	5.0	0.20	1	06/18/19 14:13	
Ethylbenzene	**1.6 J**	5.0	0.20	1	06/18/19 14:13	
Toluene	**30**	5.0	0.20	1	06/18/19 14:13	
m,p-Xylenes	**0.90 J**	5.0	0.20	1	06/18/19 14:13	
o-Xylene	**0.36 J**	5.0	0.20	1	06/18/19 14:13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	122	85 - 122	06/18/19 14:13	
Dibromofluoromethane	105	89 - 119	06/18/19 14:13	
Toluene-d8	104	87 - 121	06/18/19 14:13	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	Dupe	**Units:**	ug/L
Lab Code:	R1905417-013	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	**6.6**	5.0	0.20	1	06/18/19 07:04	
Ethylbenzene	**1.8 J**	5.0	0.20	1	06/18/19 07:04	
Toluene	**38**	5.0	0.20	1	06/18/19 07:04	
m,p-Xylenes	**1.0 J**	5.0	0.20	1	06/18/19 07:04	
o-Xylene	**0.49 J**	5.0	0.20	1	06/18/19 07:04	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	06/18/19 07:04	
Dibromofluoromethane	101	89 - 119	06/18/19 07:04	
Toluene-d8	102	87 - 121	06/18/19 07:04	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 06:00
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	Trip Blank	**Units:**	ug/L
Lab Code:	R1905417-014	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	0.20 U	5.0	0.20	1	06/18/19 04:09	
Ethylbenzene	0.20 U	5.0	0.20	1	06/18/19 04:09	
Toluene	0.20 U	5.0	0.20	1	06/18/19 04:09	
m,p-Xylenes	0.20 U	5.0	0.20	1	06/18/19 04:09	
o-Xylene	0.20 U	5.0	0.20	1	06/18/19 04:09	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	06/18/19 04:09	
Dibromofluoromethane	102	89 - 119	06/18/19 04:09	
Toluene-d8	102	87 - 121	06/18/19 04:09	

Semivolatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 12:00
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-16	**Units:**	ug/L
Lab Code:	R1905417-001	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Phenol	1.0 U	9.4	1.0	1	07/12/19 14:12	7/1/19	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	84	35 - 141	07/12/19 14:12	
2-Fluorophenol	38	10 - 105	07/12/19 14:12	
Phenol-d6	26	10 - 107	07/12/19 14:12	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 12:00
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-16	**Units:**	ug/L
Lab Code:	R1905417-001	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Phenol	**2500 B**	210	22	20	06/19/19 22:05	6/17/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	0 *	35 - 141	06/19/19 22:05	D
2-Fluorophenol	0 *	10 - 105	06/19/19 22:05	D
Phenol-d6	0 *	10 - 107	06/19/19 22:05	D

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 12:22
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-27	**Units:**	ug/L
Lab Code:	R1905417-002	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Phenol	1.0 U	9.4	1.0	1	07/12/19 14:41	7/1/19	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	80	35 - 141	07/12/19 14:41	
2-Fluorophenol	45	10 - 105	07/12/19 14:41	
Phenol-d6	33	10 - 107	07/12/19 14:41	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 12:22
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-27	**Units:**	ug/L
Lab Code:	R1905417-002	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Phenol	**200 B**	22	2.2	2	06/19/19 22:34	6/17/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	107	35 - 141	06/19/19 22:34	
2-Fluorophenol	34	10 - 105	06/19/19 22:34	
Phenol-d6	23	10 - 107	06/19/19 22:34	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 10:30
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-15	**Units:**	ug/L
Lab Code:	R1905417-003	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Phenol	**290000**	30000	3000	3	07/12/19 15:12	7/1/19	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	74	35 - 141	07/12/19 15:12	
2-Fluorophenol	41	10 - 105	07/12/19 15:12	
Phenol-d6	29	10 - 107	07/12/19 15:12	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 10:30
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-15	**Units:**	ug/L
Lab Code:	R1905417-003	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Phenol	**150000**	94000	10000	10000	06/19/19 23:03	6/17/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	0 *	35 - 141	06/19/19 23:03	D
2-Fluorophenol	0 *	10 - 105	06/19/19 23:03	D
Phenol-d6	0 *	10 - 107	06/19/19 23:03	D

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 12:28
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-28	**Units:**	ug/L
Lab Code:	R1905417-004	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Phenol	1.0 U	9.4	1.0	1	07/12/19 15:41	7/1/19	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	79	35 - 141	07/12/19 15:41	
2-Fluorophenol	37	10 - 105	07/12/19 15:41	
Phenol-d6	26	10 - 107	07/12/19 15:41	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 12:28
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-28	**Units:**	ug/L
Lab Code:	R1905417-004	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Phenol	**2000 B**	190	20	20	06/19/19 23:33	6/17/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	0 *	35 - 141	06/19/19 23:33	D
2-Fluorophenol	0 *	10 - 105	06/19/19 23:33	D
Phenol-d6	0 *	10 - 107	06/19/19 23:33	D

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 11:25
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-35R	**Units:**	ug/L
Lab Code:	R1905417-005	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Phenol	1.0 U	9.4	1.0	1	07/12/19 16:09	7/1/19	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	77	35 - 141	07/12/19 16:09	
2-Fluorophenol	36	10 - 105	07/12/19 16:09	
Phenol-d6	25	10 - 107	07/12/19 16:09	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 11:25
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-35R	**Units:**	ug/L
Lab Code:	R1905417-005	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Phenol	**410 B**	47	5.0	5	06/20/19 00:02	6/17/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	82	35 - 141	06/20/19 00:02	
2-Fluorophenol	28	10 - 105	06/20/19 00:02	
Phenol-d6	19	10 - 107	06/20/19 00:02	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 10:05
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	OW-35R	**Units:**	ug/L
Lab Code:	R1905417-006	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Phenol	**2.0 BJ**	10	1.0	1	06/24/19 19:55	6/21/19	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	119	35 - 141	06/24/19 19:55	
2-Fluorophenol	37	10 - 105	06/24/19 19:55	
Phenol-d6	23	10 - 107	06/24/19 19:55	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 10:05
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	OW-35R	**Units:**	ug/L
Lab Code:	R1905417-006	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Phenol	**2.4 BJ**	10	1.0	1	06/18/19 19:22	6/17/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	120	35 - 141	06/18/19 19:22	
2-Fluorophenol	37	10 - 105	06/18/19 19:22	
Phenol-d6	25	10 - 107	06/18/19 19:22	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 11:40
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	Beatty Creek	**Units:**	ug/L
Lab Code:	R1905417-007	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Phenol	1.1 U	11	1.1	1	06/24/19 20:24	6/21/19	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	97	35 - 141	06/24/19 20:24	
2-Fluorophenol	37	10 - 105	06/24/19 20:24	
Phenol-d6	25	10 - 107	06/24/19 20:24	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 11:40
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	Beatty Creek	**Units:**	ug/L
Lab Code:	R1905417-007	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Phenol	**1.2 BJ**	9.4	1.0	1	06/18/19 19:51	6/17/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	116	35 - 141	06/18/19 19:51	
2-Fluorophenol	36	10 - 105	06/18/19 19:51	
Phenol-d6	23	10 - 107	06/18/19 19:51	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 11:15
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-19	**Units:**	ug/L
Lab Code:	R1905417-008	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Phenol	1.0 U	9.4	1.0	1	06/18/19 20:20	6/17/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	110	35 - 141	06/18/19 20:20	
2-Fluorophenol	32	10 - 105	06/18/19 20:20	
Phenol-d6	21	10 - 107	06/18/19 20:20	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 09:40
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	OW-10R	**Units:**	ug/L
Lab Code:	R1905417-009	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Phenol	**450**	47	5.0	5	07/12/19 16:37	7/1/19	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	69	35 - 141	07/12/19 16:37	
2-Fluorophenol	34	10 - 105	07/12/19 16:37	
Phenol-d6	23	10 - 107	07/12/19 16:37	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 09:40
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	OW-10R	**Units:**	ug/L
Lab Code:	R1905417-009	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Phenol	**580 B**	52	5.3	5	06/20/19 00:31	6/17/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	91	35 - 141	06/20/19 00:31	
2-Fluorophenol	24	10 - 105	06/20/19 00:31	
Phenol-d6	19	10 - 107	06/20/19 00:31	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 13:50
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-17	**Units:**	ug/L
Lab Code:	R1905417-011	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Phenol	1.0 U	9.4	1.0	1	06/18/19 21:15	6/17/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	97	35 - 141	06/18/19 21:15	
2-Fluorophenol	26	10 - 105	06/18/19 21:15	
Phenol-d6	16	10 - 107	06/18/19 21:15	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 12:22
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-27	**Units:**	ug/L
Lab Code:	R1905417-002	**Basis:**	NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	**0.087**	0.040	0.027	1	06/24/19 16:10	6/24/19	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	76	64 - 124	06/24/19 16:10	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 12:22
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-27	**Units:**	ug/L
Lab Code:	R1905417-002	**Basis:**	NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	**1.0**	0.40	0.27	10	06/18/19 19:09	6/17/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	16 *	64 - 124	06/18/19 19:09	*

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 10:30
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-15	**Units:**	ug/L
Lab Code:	R1905417-003	**Basis:**	NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	**0.097**	0.040	0.027	1	06/17/19 17:09	6/17/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	91	64 - 124	06/17/19 17:09	

Semivolatile Organic Compounds by GC

ALS Environmental—Rochester Laboratory
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Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 13:20
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-2B	**Units:**	ug/L
Lab Code:	R1905417-010	**Basis:**	NA

Low Level Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.037 U	0.047	0.037	1	06/18/19 14:57	6/14/19	
Aroclor 1221	0.035 U	0.047	0.035	1	06/18/19 14:57	6/14/19	
Aroclor 1232	0.025 U	0.047	0.025	1	06/18/19 14:57	6/14/19	
Aroclor 1242	0.025 U	0.047	0.025	1	06/18/19 14:57	6/14/19	
Aroclor 1248	0.027 U	0.047	0.027	1	06/18/19 14:57	6/14/19	
Aroclor 1254	0.025 U	0.047	0.025	1	06/18/19 14:57	6/14/19	
Aroclor 1260	0.025 U	0.047	0.025	1	06/18/19 14:57	6/14/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	64	10 - 125	06/18/19 14:57	
Tetrachloro-m-xylene	67	18 - 126	06/18/19 14:57	

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Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 13:50
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-17	**Units:**	ug/L
Lab Code:	R1905417-011	**Basis:**	NA

Low Level Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.037 U	0.047	0.037	1	06/18/19 15:17	6/14/19	
Aroclor 1221	0.035 U	0.047	0.035	1	06/18/19 15:17	6/14/19	
Aroclor 1232	0.025 U	0.047	0.025	1	06/18/19 15:17	6/14/19	
Aroclor 1242	0.025 U	0.047	0.025	1	06/18/19 15:17	6/14/19	
Aroclor 1248	**0.10**	0.047	0.027	1	06/18/19 15:17	6/14/19	
Aroclor 1254	0.025 U	0.047	0.025	1	06/18/19 15:17	6/14/19	
Aroclor 1260	0.025 U	0.047	0.025	1	06/18/19 15:17	6/14/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	62	10 - 125	06/18/19 15:17	
Tetrachloro-m-xylene	72	18 - 126	06/18/19 15:17	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 12:45
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-21	**Units:**	ug/L
Lab Code:	R1905417-012	**Basis:**	NA

Low Level Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.037 U	0.047	0.037	1	06/18/19 15:36	6/14/19	
Aroclor 1221	0.035 U	0.047	0.035	1	06/18/19 15:36	6/14/19	
Aroclor 1232	0.025 U	0.047	0.025	1	06/18/19 15:36	6/14/19	
Aroclor 1242	0.025 U	0.047	0.025	1	06/18/19 15:36	6/14/19	
Aroclor 1248	0.027 U	0.047	0.027	1	06/18/19 15:36	6/14/19	
Aroclor 1254	0.025 U	0.047	0.025	1	06/18/19 15:36	6/14/19	
Aroclor 1260	0.025 U	0.047	0.025	1	06/18/19 15:36	6/14/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	50	10 - 125	06/18/19 15:36	
Tetrachloro-m-xylene	69	18 - 126	06/18/19 15:36	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 12:00
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-16	**Units:**	ug/L
Lab Code:	R1905417-001	**Basis:**	NA

Carbonyl Compounds by High Performance Liquid Chromatography (HPLC)

Analysis Method: 8315A
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Formaldehyde	**8.8 J**	20	6.1	1	06/14/19 12:15	6/13/19	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 12:22
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-27	**Units:**	ug/L
Lab Code:	R1905417-002	**Basis:**	NA

Carbonyl Compounds by High Performance Liquid Chromatography (HPLC)

Analysis Method: 8315A
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Formaldehyde	**66**	20	6.1	1	06/14/19 12:37	6/13/19	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 09:40
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	OW-10R	**Units:**	ug/L
Lab Code:	R1905417-009	**Basis:**	NA

Carbonyl Compounds by High Performance Liquid Chromatography (HPLC)

Analysis Method: 8315A
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Formaldehyde	**53**	20	6.1	1	06/14/19 11:53	6/13/19	

QC Summary Forms

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Volatile Organic Compounds by GC/MS

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www.alsglobal.com

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility/08212777
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene 85-122	Dibromofluoromethane 89-119	Toluene-d8 87-121
MW-16	R1905417-001	97	100	101
MW-27	R1905417-002	117	102	103
MW-15	R1905417-003	116	102	121
MW-28	R1905417-004	97	102	102
MW-35R	R1905417-005	97	102	104
OW-35R	R1905417-006	98	103	104
Beatty Creek	R1905417-007	98	101	101
MW-19	R1905417-008	97	101	87
OW-10R	R1905417-009	122	105	104
Dupe	R1905417-013	99	101	102
Trip Blank	R1905417-014	97	102	102
Method Blank	RQ1906120-05	102	100	104
Method Blank	RQ1906186-06	99	103	104
Lab Control Sample	RQ1906120-03	99	102	102
Duplicate Lab Control Sample	RQ1906120-04	99	100	102
Lab Control Sample	RQ1906186-03	100	101	102

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QA/QC Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Analyzed:**	06/18/19 00:08
Sample Matrix:	Water	**Date Extracted:**	

Method Blank Summary
Volatile Organic Compounds by GC/MS

Sample Name:	Method Blank	**Instrument ID:**	R-MS-10
Lab Code:	RQ1906120-05	**File ID:**	I:\ACQUDATA\msvoa10\data\061719\E1940.D\
Analysis Method:	8260C	**Analysis Lot:**	639694
Prep Method:	EPA 5030C		

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ1906120-03	I:\ACQUDATA\msvoa10\data\061719\E1937.D\	06/17/19 23:03
Duplicate Lab Control Sample	RQ1906120-04	I:\ACQUDATA\msvoa10\data\061719\E1938.D\	06/17/19 23:25
Trip Blank	R1905417-014	I:\ACQUDATA\msvoa10\data\061719\E1951.D\	06/18/19 04:09
MW-16	R1905417-001	I:\ACQUDATA\msvoa10\data\061719\E1952.D\	06/18/19 04:31
MW-27	R1905417-002	I:\ACQUDATA\msvoa10\data\061719\E1953.D\	06/18/19 04:53
OW-35R	R1905417-006	I:\ACQUDATA\msvoa10\data\061719\E1956.D\	06/18/19 05:58
Beatty Creek	R1905417-007	I:\ACQUDATA\msvoa10\data\061719\E1957.D\	06/18/19 06:20
MW-19	R1905417-008	I:\ACQUDATA\msvoa10\data\061719\E1958.D\	06/18/19 06:42
Dupe	R1905417-013	I:\ACQUDATA\msvoa10\data\061719\E1959.D\	06/18/19 07:04
MW-15	R1905417-003	I:\ACQUDATA\msvoa10\data\061719\E1961.D\	06/18/19 07:48

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QA/QC Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Analyzed:**	06/18/19 12:13
Sample Matrix:	Water	**Date Extracted:**	

Method Blank Summary
Volatile Organic Compounds by GC/MS

Sample Name:	Method Blank	**Instrument ID:**	R-MS-10
Lab Code:	RQ1906186-06	**File ID:**	I:\ACQUDATA\msvoa10\data\061819\E1970.D\
Analysis Method:	8260C	**Analysis Lot:**	639785
Prep Method:	EPA 5030C		

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ1906186-03	I:\ACQUDATA\msvoa10\data\061819\E1965.D\	06/18/19 10:15
MW-28	R1905417-004	I:\ACQUDATA\msvoa10\data\061819\E1973.D\	06/18/19 13:30
MW-35R	R1905417-005	I:\ACQUDATA\msvoa10\data\061819\E1974.D\	06/18/19 13:51
OW-10R	R1905417-009	I:\ACQUDATA\msvoa10\data\061819\E1975.D\	06/18/19 14:13

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ1906120-05	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	0.20 U	5.0	0.20	1	06/18/19 00:08	
Ethylbenzene	0.20 U	5.0	0.20	1	06/18/19 00:08	
Toluene	0.20 U	5.0	0.20	1	06/18/19 00:08	
m,p-Xylenes	0.20 U	5.0	0.20	1	06/18/19 00:08	
o-Xylene	0.20 U	5.0	0.20	1	06/18/19 00:08	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	85 - 122	06/18/19 00:08	
Dibromofluoromethane	100	89 - 119	06/18/19 00:08	
Toluene-d8	104	87 - 121	06/18/19 00:08	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ1906186-06	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	0.20 U	5.0	0.20	1	06/18/19 12:13	
Ethylbenzene	0.20 U	5.0	0.20	1	06/18/19 12:13	
Toluene	0.20 U	5.0	0.20	1	06/18/19 12:13	
m,p-Xylenes	0.20 U	5.0	0.20	1	06/18/19 12:13	
o-Xylene	0.20 U	5.0	0.20	1	06/18/19 12:13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	06/18/19 12:13	
Dibromofluoromethane	103	89 - 119	06/18/19 12:13	
Toluene-d8	104	87 - 121	06/18/19 12:13	

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Analyzed:**	06/17/19 23:03
Sample Matrix:	Water	**Date Extracted:**	

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Sample Name:	Lab Control Sample	**Instrument ID:**	R-MS-10
Lab Code:	RQ1906120-03	**File ID:**	I:\ACQUDATA\msvoa10\data\061719\E1937.D\
Analysis Method:	8260C	**Analysis Lot:**	639694
Prep Method:	EPA 5030C		

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Duplicate Lab Control Sample	RQ1906120-04	I:\ACQUDATA\msvoa10\data\061719\E1938.D\	06/17/19 23:25
Method Blank	RQ1906120-05	I:\ACQUDATA\msvoa10\data\061719\E1940.D\	06/18/19 00:08
Trip Blank	R1905417-014	I:\ACQUDATA\msvoa10\data\061719\E1951.D\	06/18/19 04:09
MW-16	R1905417-001	I:\ACQUDATA\msvoa10\data\061719\E1952.D\	06/18/19 04:31
MW-27	R1905417-002	I:\ACQUDATA\msvoa10\data\061719\E1953.D\	06/18/19 04:53
OW-35R	R1905417-006	I:\ACQUDATA\msvoa10\data\061719\E1956.D\	06/18/19 05:58
Beatty Creek	R1905417-007	I:\ACQUDATA\msvoa10\data\061719\E1957.D\	06/18/19 06:20
MW-19	R1905417-008	I:\ACQUDATA\msvoa10\data\061719\E1958.D\	06/18/19 06:42
Dupe	R1905417-013	I:\ACQUDATA\msvoa10\data\061719\E1959.D\	06/18/19 07:04
MW-15	R1905417-003	I:\ACQUDATA\msvoa10\data\061719\E1961.D\	06/18/19 07:48

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QA/QC Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Analyzed:**	06/18/19 10:15
Sample Matrix:	Water	**Date Extracted:**	

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Sample Name:	Lab Control Sample	**Instrument ID:**	R-MS-10
Lab Code:	RQ1906186-03	**File ID:**	I:\ACQUDATA\msvoa10\data\061819\E1965.D\
Analysis Method:	8260C	**Analysis Lot:**	639785
Prep Method:	EPA 5030C		

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ1906186-06	I:\ACQUDATA\msvoa10\data\061819\E1970.D\	06/18/19 12:13
MW-28	R1905417-004	I:\ACQUDATA\msvoa10\data\061819\E1973.D\	06/18/19 13:30
MW-35R	R1905417-005	I:\ACQUDATA\msvoa10\data\061819\E1974.D\	06/18/19 13:51
OW-10R	R1905417-009	I:\ACQUDATA\msvoa10\data\061819\E1975.D\	06/18/19 14:13

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QA/QC Report

Client: Professional Service Industries (PSI) Schenectady, NY
Project: Former Borden Facility/08212777
Sample Matrix: Water

Service Request: R1905417
Date Analyzed: 06/18/19

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1906186-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Benzene	8260C	19.5	20.0	97	79-119
Ethylbenzene	8260C	19.2	20.0	96	76-120
Toluene	8260C	19.4	20.0	97	79-119
m,p-Xylenes	8260C	39.7	40.0	99	80-126
o-Xylene	8260C	19.5	20.0	97	79-123

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QA/QC Report

Client: Professional Service Industries (PSI) Schenectady, NY
Project: Former Borden Facility/08212777
Sample Matrix: Water

Service Request: R1905417
Date Analyzed: 06/17/19

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

			Lab Control Sample			Duplicate Lab Control Sample				
			RQ1906120-03			RQ1906120-04				
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Benzene	8260C	19.0	20.0	95	18.7	20.0	94	79-119	1	30
Ethylbenzene	8260C	18.9	20.0	95	18.7	20.0	94	76-120	1	30
Toluene	8260C	19.2	20.0	96	18.9	20.0	95	79-119	1	30
m,p-Xylenes	8260C	38.5	40.0	96	37.8	40.0	94	80-126	2	30
o-Xylene	8260C	18.9	20.0	94	18.7	20.0	93	79-123	1	30

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:**R1905417
Project: Former Borden Facility/08212777 **Date Analyzed:**06/17/19 21:47

Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa10\data\061719\E1934.D\ **Analytical Method:** 8260C
Instrument ID: R-MS-10 **Analysis Lot:** 639694

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	23.15	29451	Pass
75	95	30	60	51.82	65912	Pass
95	95	100	100	100.00	127200	Pass
96	95	5	9	6.54	8319	Pass
173	174	0	2	0.88	985	Pass
174	95	50	120	87.64	111477	Pass
175	174	5	9	7.92	8830	Pass
176	174	95	101	97.13	108278	Pass
177	176	5	9	6.65	7202	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ1906120-02	I:\ACQUDATA\msvoa10\data\061719\E1936.D\	06/17/19 22:41	
Lab Control Sample	RQ1906120-03	I:\ACQUDATA\msvoa10\data\061719\E1937.D\	06/17/19 23:03	
Duplicate Lab Control Sample	RQ1906120-04	I:\ACQUDATA\msvoa10\data\061719\E1938.D\	06/17/19 23:25	
Method Blank	RQ1906120-05	I:\ACQUDATA\msvoa10\data\061719\E1940.D\	06/18/19 00:08	
Trip Blank	R1905417-014	I:\ACQUDATA\msvoa10\data\061719\E1951.D\	06/18/19 04:09	
MW-16	R1905417-001	I:\ACQUDATA\msvoa10\data\061719\E1952.D\	06/18/19 04:31	
MW-27	R1905417-002	I:\ACQUDATA\msvoa10\data\061719\E1953.D\	06/18/19 04:53	
OW-35R	R1905417-006	I:\ACQUDATA\msvoa10\data\061719\E1956.D\	06/18/19 05:58	
Beatty Creek	R1905417-007	I:\ACQUDATA\msvoa10\data\061719\E1957.D\	06/18/19 06:20	
MW-19	R1905417-008	I:\ACQUDATA\msvoa10\data\061719\E1958.D\	06/18/19 06:42	
Dupe	R1905417-013	I:\ACQUDATA\msvoa10\data\061719\E1959.D\	06/18/19 07:04	
MW-15	R1905417-003	I:\ACQUDATA\msvoa10\data\061719\E1961.D\	06/18/19 07:48	

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:**R1905417
Project: Former Borden Facility/08212777 **Date Analyzed:**06/18/19 09:09

Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa10\data\061819\E1963.D\ **Analytical Method:** 8260C
Instrument ID: R-MS-10 **Analysis Lot:** 639785

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	22.72	27136	Pass
75	95	30	60	52.12	62256	Pass
95	95	100	100	100.00	119437	Pass
96	95	5	9	6.89	8233	Pass
173	174	0	2	1.63	1692	Pass
174	95	50	120	87.11	104037	Pass
175	174	5	9	8.09	8413	Pass
176	174	95	101	96.28	100171	Pass
177	176	5	9	6.67	6683	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ1906186-02	I:\ACQUDATA\msvoa10\data\061819\E1964.D\	06/18/19 09:37	
Lab Control Sample	RQ1906186-03	I:\ACQUDATA\msvoa10\data\061819\E1965.D\	06/18/19 10:15	
Method Blank	RQ1906186-06	I:\ACQUDATA\msvoa10\data\061819\E1970.D\	06/18/19 12:13	
MW-28	R1905417-004	I:\ACQUDATA\msvoa10\data\061819\E1973.D\	06/18/19 13:30	
MW-35R	R1905417-005	I:\ACQUDATA\msvoa10\data\061819\E1974.D\	06/18/19 13:51	
OW-10R	R1905417-009	I:\ACQUDATA\msvoa10\data\061819\E1975.D\	06/18/19 14:13	

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QA/QC Report

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:**R1905417
Project: Former Borden Facility/08212777 **Date Analyzed:**06/17/19 22:41

Internal Standard Area and RT SUMMARY
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa10\data\061719\E1936.D\ **Lab Code:**RQ1906120-02
Instrument ID: R-MS-10 **Analysis Lot:**639694
Analysis Method: 8260C **Signal ID:**1

		1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	169,283	11.85	323,849	6.49	284,443	9.80
	Upper Limit ==>	338,566	12.35	647,698	6.99	568,886	10.30
	Lower Limit ==>	84,642	11.35	161,925	5.99	142,222	9.30
Associated Analyses							
Lab Control Sample	RQ1906120-03	186824	11.85	392600	6.49	346269	9.80
Duplicate Lab Control Sample	RQ1906120-04	186145	11.85	393446	6.49	344000	9.80
Method Blank	RQ1906120-05	175519	11.85	382988	6.49	339607	9.80
Trip Blank	R1905417-014	135901	11.85	296986	6.49	259327	9.80
MW-16	R1905417-001	137309	11.85	298007	6.49	265026	9.80
MW-27	R1905417-002	172206	11.85	299480	6.49	268750	9.80
OW-35R	R1905417-006	170923	11.85	356795	6.49	312541	9.80
Beatty Creek	R1905417-007	175940	11.85	372992	6.49	330894	9.80
MW-19	R1905417-008	172186	11.85	375677	6.49	325191	9.80
Dupe	R1905417-013	176346	11.85	371133	6.49	327078	9.80
MW-15	R1905417-003	176056	11.85	316301	6.49	328139	9.80

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QA/QC Report

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:**R1905417
Project: Former Borden Facility/08212777 **Date Analyzed:**06/17/19 22:41

Internal Standard Area and RT SUMMARY
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa10\data\061719\E1936.D\ **Lab Code:**RQ1906120-02
Instrument ID: R-MS-10 **Analysis Lot:**639694
Analysis Method: 8260C **Signal ID:**1

		Pentafluorobenzene	
		Area	**RT**
	Result ==>	222,985	5.39
	Upper Limit ==>	445,970	5.89
	Lower Limit ==>	111,493	4.89
Associated Analyses			
Lab Control Sample	RQ1906120-03	263760	5.39
Duplicate Lab Control Sample	RQ1906120-04	266582	5.39
Method Blank	RQ1906120-05	259267	5.39
Trip Blank	R1905417-014	199445	5.39
MW-16	R1905417-001	200149	5.39
MW-27	R1905417-002	197726	5.39
OW-35R	R1905417-006	238618	5.40
Beatty Creek	R1905417-007	245646	5.39
MW-19	R1905417-008	252645	5.39
Dupe	R1905417-013	247026	5.39
MW-15	R1905417-003	207243	5.39

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QA/QC Report

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:**R1905417
Project: Former Borden Facility/08212777 **Date Analyzed:**06/18/19 09:37

Internal Standard Area and RT SUMMARY
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa10\data\061819\E1964.D\ **Lab Code:**RQ1906186-02
Instrument ID: R-MS-10 **Analysis Lot:**639785
Analysis Method: 8260C **Signal ID:**1

		1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	196,338	11.85	382,227	6.49	282,032	9.80
	Upper Limit ==>	392,676	12.35	764,454	6.99	564,064	10.30
	Lower Limit ==>	98,169	11.35	191,114	5.99	141,016	9.30
Associated Analyses							
Lab Control Sample	RQ1906186-03	182242	11.85	376824	6.49	331580	9.80
Method Blank	RQ1906186-06	139029	11.85	358552	6.49	312935	9.80
MW-28	R1905417-004	168510	11.85	364809	6.49	319226	9.80
MW-35R	R1905417-005	175760	11.85	384819	6.49	344108	9.80
OW-10R	R1905417-009	179014	11.85	306490	6.49	331250	9.80

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QA/QC Report

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:**R1905417
Project: Former Borden Facility/08212777 **Date Analyzed:**06/18/19 09:37

Internal Standard Area and RT SUMMARY
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa10\data\061819\E1964.D\ **Lab Code:**RQ1906186-02
Instrument ID: R-MS-10 **Analysis Lot:**639785
Analysis Method: 8260C **Signal ID:**1

		Pentafluorobenzene	
		Area	**RT**
	Result ==>	257,928	5.39
	Upper Limit ==>	515,856	5.89
	Lower Limit ==>	128,964	4.89
Associated Analyses			
Lab Control Sample	RQ1906186-03	255742	5.39
Method Blank	RQ1906186-06	243410	5.39
MW-28	R1905417-004	246976	5.39
MW-35R	R1905417-005	254888	5.39
OW-10R	R1905417-009	207451	5.39

Semivolatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility/08212777
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Extraction Method: EPA 3510C

Sample Name	Lab Code	2,4,6-Tribromophenol 35-141	2-Fluorophenol 10-105	Phenol-d6 10-107
MW-16	R1905417-001	84	38	26
MW-16 DL	R1905417-001	0*	0*	0*
MW-27	R1905417-002	80	45	33
MW-27 DL	R1905417-002	107	34	23
MW-15	R1905417-003	74	41	29
MW-15 DL	R1905417-003	0*	0*	0*
MW-28	R1905417-004	79	37	26
MW-28 DL	R1905417-004	0*	0*	0*
MW-35R	R1905417-005	77	36	25
MW-35R DL	R1905417-005	82	28	19
OW-35R	R1905417-006	120	37	25
OW-35R RE	R1905417-006	119	37	23
Beatty Creek	R1905417-007	116	36	23
Beatty Creek RE	R1905417-007	97	37	25
MW-19	R1905417-008	110	32	21
OW-10R	R1905417-009	91	24	19
OW-10R RE	R1905417-009	69	34	23
MW-17	R1905417-011	97	26	16
Method Blank	RQ1905921-01	92	29	20
Method Blank	RQ1906197-01	94	36	24
Method Blank	RQ1906197-01	72	44	28
Method Blank	RQ1906656-01	78	39	27
Lab Control Sample	RQ1905921-02	98	40	26
Duplicate Lab Control Sample	RQ1905921-03	98	36	25
Lab Control Sample	RQ1906197-02	112	41	28
Lab Control Sample	RQ1906197-02	109	50	32
Duplicate Lab Control Sample	RQ1906197-03	105	39	27
Duplicate Lab Control Sample	RQ1906197-03	107	48	31
Lab Control Sample	RQ1906656-02	81	41	30
Duplicate Lab Control Sample	RQ1906656-03	85	46	32

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QA/QC Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Analyzed:**	06/18/19 15:31
Sample Matrix:	Water	**Date Extracted:**	06/17/19

Method Blank Summary
Semivolatile Organic Compounds by GC/MS

Sample Name:	Method Blank	**Instrument ID:**	R-MS-51
Lab Code:	RQ1905921-01	**File ID:**	I:\ACQUDATA\5973A\DATA\061819\DS479.D\
Analysis Method:	8270D	**Analysis Lot:**	639907,640110,640870,641480,642513
Prep Method:	EPA 3510C	**Extraction Lot:**	338744

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ1905921-02	I:\ACQUDATA\5973A\DATA\061819\DS480.D\	06/18/19 16:00
Duplicate Lab Control Sample	RQ1905921-03	I:\ACQUDATA\5973A\DATA\061819\DS481.D\	06/18/19 16:28
OW-35R	R1905417-006	I:\ACQUDATA\5973A\DATA\061819\DS487.D\	06/18/19 19:22
Beatty Creek	R1905417-007	I:\ACQUDATA\5973A\DATA\061819\DS488.D\	06/18/19 19:51
MW-19	R1905417-008	I:\ACQUDATA\5973A\DATA\061819\DS489.D\	06/18/19 20:20
MW-17	R1905417-011	I:\ACQUDATA\5973A\DATA\061819\DS491.D\	06/18/19 21:15
MW-16	R1905417-001	I:\ACQUDATA\5973A\DATA\061919\DS539.D\	06/19/19 22:05
MW-27	R1905417-002	I:\ACQUDATA\5973A\DATA\061919\DS540.D\	06/19/19 22:34
MW-15	R1905417-003	I:\ACQUDATA\5973A\DATA\061919\DS541.D\	06/19/19 23:03
MW-28	R1905417-004	I:\ACQUDATA\5973A\DATA\061919\DS542.D\	06/19/19 23:33
MW-35R	R1905417-005	I:\ACQUDATA\5973A\DATA\061919\DS543.D\	06/20/19 00:02
OW-10R	R1905417-009	I:\ACQUDATA\5973A\DATA\061919\DS544.D\	06/20/19 00:31

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QA/QC Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Analyzed:**	06/24/19 18:29
Sample Matrix:	Water	**Date Extracted:**	06/21/19

Method Blank Summary
Semivolatile Organic Compounds by GC/MS

Sample Name:	Method Blank	**Instrument ID:**	R-MS-51
Lab Code:	RQ1906197-01	**File ID:**	I:\ACQUDATA\5973A\DATA\062419\DS644.D\
Analysis Method:	8270D	**Analysis Lot:**	639907,640110,640870,641480,642513
Prep Method:	EPA 3510C	**Extraction Lot:**	339142

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ1906197-02	I:\ACQUDATA\5973A\DATA\062419\DS645.D\	06/24/19 18:58
Duplicate Lab Control Sample	RQ1906197-03	I:\ACQUDATA\5973A\DATA\062419\DS646.D\	06/24/19 19:27
OW-35R	R1905417-006	I:\ACQUDATA\5973A\DATA\062419\DS647.D\	06/24/19 19:55
Beatty Creek	R1905417-007	I:\ACQUDATA\5973A\DATA\062419\DS648.D\	06/24/19 20:24
Lab Control Sample	RQ1906197-02	I:\ACQUDATA\5973D\Data\062819\BS219.D\	06/29/19 01:59
Duplicate Lab Control Sample	RQ1906197-03	I:\ACQUDATA\5973D\Data\062819\BS220.D\	06/29/19 02:29

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QA/QC Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Analyzed:**	07/12/19 07:16
Sample Matrix:	Water	**Date Extracted:**	07/01/19

Method Blank Summary
Semivolatile Organic Compounds by GC/MS

Sample Name:	Method Blank	**Instrument ID:**	R-MS-51
Lab Code:	RQ1906656-01	**File ID:**	I:\ACQUDATA\5973A\DATA\071219\DS876.D\
Analysis Method:	8270D	**Analysis Lot:**	639907,640110,640870,641480,642513
Prep Method:	EPA 3510C	**Extraction Lot:**	339699

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ1906656-02	I:\ACQUDATA\5973A\DATA\071219\DS877.D\	07/12/19 07:45
Duplicate Lab Control Sample	RQ1906656-03	I:\ACQUDATA\5973A\DATA\071219\DS878.D\	07/12/19 10:28
MW-16	R1905417-001	I:\ACQUDATA\5973A\DATA\071219\DS886.D\	07/12/19 14:12
MW-27	R1905417-002	I:\ACQUDATA\5973A\DATA\071219\DS887.D\	07/12/19 14:41
MW-15	R1905417-003	I:\ACQUDATA\5973A\DATA\071219\DS888.D\	07/12/19 15:12
MW-28	R1905417-004	I:\ACQUDATA\5973A\DATA\071219\DS889.D\	07/12/19 15:41
MW-35R	R1905417-005	I:\ACQUDATA\5973A\DATA\071219\DS890.D\	07/12/19 16:09
OW-10R	R1905417-009	I:\ACQUDATA\5973A\DATA\071219\DS891.D\	07/12/19 16:37

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ1905921-01	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Phenol	**500 E**	10	1.0	1	06/18/19 15:31	6/17/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	92	35 - 141	06/18/19 15:31	
2-Fluorophenol	29	10 - 105	06/18/19 15:31	
Phenol-d6	20	10 - 107	06/18/19 15:31	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ1906197-01	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Phenol	**1.1 J**	10	1.0	1	06/24/19 18:29	6/21/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	94	35 - 141	06/24/19 18:29	
2-Fluorophenol	36	10 - 105	06/24/19 18:29	
Phenol-d6	24	10 - 107	06/24/19 18:29	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ1906197-01	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Phenol	**1.4 J**	10	1.0	1	06/29/19 01:29	6/21/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	72	35 - 141	06/29/19 01:29	
2-Fluorophenol	44	10 - 105	06/29/19 01:29	
Phenol-d6	28	10 - 107	06/29/19 01:29	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ1906656-01	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Phenol	3.0 U	10	3.0	1	07/12/19 07:16	7/1/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	78	35 - 141	07/12/19 07:16	
2-Fluorophenol	39	10 - 105	07/12/19 07:16	
Phenol-d6	27	10 - 107	07/12/19 07:16	

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Analyzed:**	06/18/19 16:00
Sample Matrix:	Water	**Date Extracted:**	06/17/19

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Sample Name:	Lab Control Sample	**Instrument ID:**	R-MS-51
Lab Code:	RQ1905921-02	**File ID:**	I:\ACQUDATA\5973A\DATA\061819\DS480.D\
Analysis Method:	8270D	**Analysis Lot:**	639907,640110,640870,641480,642513
Prep Method:	EPA 3510C	**Extraction Lot:**	338744

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ1905921-01	I:\ACQUDATA\5973A\DATA\061819\DS479.D\	06/18/19 15:31
Duplicate Lab Control Sample	RQ1905921-03	I:\ACQUDATA\5973A\DATA\061819\DS481.D\	06/18/19 16:28
OW-35R	R1905417-006	I:\ACQUDATA\5973A\DATA\061819\DS487.D\	06/18/19 19:22
Beatty Creek	R1905417-007	I:\ACQUDATA\5973A\DATA\061819\DS488.D\	06/18/19 19:51
MW-19	R1905417-008	I:\ACQUDATA\5973A\DATA\061819\DS489.D\	06/18/19 20:20
MW-17	R1905417-011	I:\ACQUDATA\5973A\DATA\061819\DS491.D\	06/18/19 21:15
MW-16	R1905417-001	I:\ACQUDATA\5973A\DATA\061919\DS539.D\	06/19/19 22:05
MW-27	R1905417-002	I:\ACQUDATA\5973A\DATA\061919\DS540.D\	06/19/19 22:34
MW-15	R1905417-003	I:\ACQUDATA\5973A\DATA\061919\DS541.D\	06/19/19 23:03
MW-28	R1905417-004	I:\ACQUDATA\5973A\DATA\061919\DS542.D\	06/19/19 23:33
MW-35R	R1905417-005	I:\ACQUDATA\5973A\DATA\061919\DS543.D\	06/20/19 00:02
OW-10R	R1905417-009	I:\ACQUDATA\5973A\DATA\061919\DS544.D\	06/20/19 00:31

ALS Group USA, Corp.
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QA/QC Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Analyzed:**	06/24/19 18:58
Sample Matrix:	Water	**Date Extracted:**	06/21/19

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Sample Name:	Lab Control Sample	**Instrument ID:**	R-MS-51
Lab Code:	RQ1906197-02	**File ID:**	I:\ACQUDATA\5973A\DATA\062419\DS645.D\
Analysis Method:	8270D	**Analysis Lot:**	639907,640110,640870,641480,642513
Prep Method:	EPA 3510C	**Extraction Lot:**	339142

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ1906197-01	I:\ACQUDATA\5973A\DATA\062419\DS644.D\	06/24/19 18:29
Duplicate Lab Control Sample	RQ1906197-03	I:\ACQUDATA\5973A\DATA\062419\DS646.D\	06/24/19 19:27
OW-35R	R1905417-006	I:\ACQUDATA\5973A\DATA\062419\DS647.D\	06/24/19 19:55
Beatty Creek	R1905417-007	I:\ACQUDATA\5973A\DATA\062419\DS648.D\	06/24/19 20:24
Method Blank	RQ1906197-01	I:\ACQUDATA\5973D\Data\062819\BS218.D\	06/29/19 01:29
Duplicate Lab Control Sample	RQ1906197-03	I:\ACQUDATA\5973D\Data\062819\BS220.D\	06/29/19 02:29

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Analyzed:**	07/12/19 07:45
Sample Matrix:	Water	**Date Extracted:**	07/01/19

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Sample Name:	Lab Control Sample	**Instrument ID:**	R-MS-51
Lab Code:	RQ1906656-02	**File ID:**	I:\ACQUDATA\5973A\DATA\071219\DS877.D\
Analysis Method:	8270D	**Analysis Lot:**	639907,640110,640870,641480,642513
Prep Method:	EPA 3510C	**Extraction Lot:**	339699

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ1906656-01	I:\ACQUDATA\5973A\DATA\071219\DS876.D\	07/12/19 07:16
Duplicate Lab Control Sample	RQ1906656-03	I:\ACQUDATA\5973A\DATA\071219\DS878.D\	07/12/19 10:28
MW-16	R1905417-001	I:\ACQUDATA\5973A\DATA\071219\DS886.D\	07/12/19 14:12
MW-27	R1905417-002	I:\ACQUDATA\5973A\DATA\071219\DS887.D\	07/12/19 14:41
MW-15	R1905417-003	I:\ACQUDATA\5973A\DATA\071219\DS888.D\	07/12/19 15:12
MW-28	R1905417-004	I:\ACQUDATA\5973A\DATA\071219\DS889.D\	07/12/19 15:41
MW-35R	R1905417-005	I:\ACQUDATA\5973A\DATA\071219\DS890.D\	07/12/19 16:09
OW-10R	R1905417-009	I:\ACQUDATA\5973A\DATA\071219\DS891.D\	07/12/19 16:37

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Professional Service Industries (PSI) Schenectady, NY
Project: Former Borden Facility/08212777
Sample Matrix: Water

Service Request: R1905417
Date Analyzed: 06/18/19

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

			Lab Control Sample RQ1905921-02			Duplicate Lab Control Sample RQ1905921-03				
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Phenol	8270D	186 E	50.0	372 *	275 E	50.0	550 *	10-113	39*	30

Client: Professional Service Industries (PSI) Schenectady, NY
Project: Former Borden Facility/08212777
Sample Matrix: Water

Service Request: R1905417
Date Analyzed: 06/29/19

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

			Lab Control Sample			Duplicate Lab Control Sample				
			RQ1906197-02			RQ1906197-03				
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Phenol	8270D	19.9	50.0	40	22.3	50.0	45	10-113	12	30

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QA/QC Report

Client: Professional Service Industries (PSI) Schenectady, NY
Project: Former Borden Facility/08212777
Sample Matrix: Water

Service Request: R1905417
Date Analyzed: 07/12/19

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

			Lab Control Sample			Duplicate Lab Control Sample				
			RQ1906656-02			RQ1906656-03				
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Phenol	8270D	18.2	50.0	36	21.0	50.0	42	10-113	15	30

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:**R1905417
Project: Former Borden Facility/08212777 **Date Analyzed:**06/18/19 13:32

Tune Summary
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5973A\DATA\061819\DS476.D\ **Analytical Method:** 8270D
Instrument ID: R-MS-51 **Analysis Lot:** 639907

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
51	198	10	80	39.78	43537	Pass
68	69	0.00	2	0.37	184	Pass
69	198	0.00	100	45.75	50064	Pass
70	69	0.00	2	0.83	418	Pass
127	198	10	80	53.04	58042	Pass
197	198	0.00	2	0.00	0	Pass
198	198	100	100	100.00	109437	Pass
199	198	5	9	5.85	6406	Pass
275	198	10	60	22.05	24131	Pass
365	198	1	100	2.58	2825	Pass
441	442	0.01	24	18.38	19758	Pass
442	442	100	100	100.00	107491	Pass
443	442	15	24	19.82	21301	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ1906072-02	I:\ACQUDATA\5973A\DATA\061819\DS478.D\	06/18/19 14:52	
Method Blank	RQ1905921-01	I:\ACQUDATA\5973A\DATA\061819\DS479.D\	06/18/19 15:31	
Lab Control Sample	RQ1905921-02	I:\ACQUDATA\5973A\DATA\061819\DS480.D\	06/18/19 16:00	
Duplicate Lab Control Sample	RQ1905921-03	I:\ACQUDATA\5973A\DATA\061819\DS481.D\	06/18/19 16:28	
OW-35R	R1905417-006	I:\ACQUDATA\5973A\DATA\061819\DS487.D\	06/18/19 19:22	
Beatty Creek	R1905417-007	I:\ACQUDATA\5973A\DATA\061819\DS488.D\	06/18/19 19:51	
MW-19	R1905417-008	I:\ACQUDATA\5973A\DATA\061819\DS489.D\	06/18/19 20:20	
MW-17	R1905417-011	I:\ACQUDATA\5973A\DATA\061819\DS491.D\	06/18/19 21:15	

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:**R1905417
Project: Former Borden Facility/08212777 **Date Analyzed:**06/19/19 13:47

Tune Summary
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5973A\DATA\061919\DS522.D\ **Analytical Method:** 8270D
Instrument ID: R-MS-51 **Analysis Lot:** 640110

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
51	198	10	80	38.43	44827	Pass
68	69	0.00	2	0.68	369	Pass
69	198	0.00	100	46.40	54122	Pass
70	69	0.00	2	0.68	366	Pass
127	198	10	80	53.16	62008	Pass
197	198	0.00	2	0.00	0	Pass
198	198	100	100	100.00	116651	Pass
199	198	5	9	6.21	7242	Pass
275	198	10	60	23.69	27640	Pass
365	198	1	100	2.70	3153	Pass
441	442	0.01	24	18.07	22579	Pass
442	442	100	100	100.00	124984	Pass
443	442	15	24	19.36	24202	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ1906153-02	I:\ACQUDATA\5973A\DATA\061919\DS524.D\	06/19/19 14:46	
MW-16	R1905417-001	I:\ACQUDATA\5973A\DATA\061919\DS539.D\	06/19/19 22:05	
MW-27	R1905417-002	I:\ACQUDATA\5973A\DATA\061919\DS540.D\	06/19/19 22:34	
MW-15	R1905417-003	I:\ACQUDATA\5973A\DATA\061919\DS541.D\	06/19/19 23:03	
MW-28	R1905417-004	I:\ACQUDATA\5973A\DATA\061919\DS542.D\	06/19/19 23:33	
MW-35R	R1905417-005	I:\ACQUDATA\5973A\DATA\061919\DS543.D\	06/20/19 00:02	
OW-10R	R1905417-009	I:\ACQUDATA\5973A\DATA\061919\DS544.D\	06/20/19 00:31	

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:**R1905417
Project: Former Borden Facility/08212777 **Date Analyzed:**06/24/19 15:12

Tune Summary
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5973A\DATA\062419\DS637.D\ **Analytical Method:** 8270D
Instrument ID: R-MS-51 **Analysis Lot:** 640870

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
51	198	10	80	40.82	31362	Pass
68	69	0.00	2	0.00	0	Pass
69	198	0.00	100	47.48	36477	Pass
70	69	0.00	2	1.00	366	Pass
127	198	10	80	52.96	40681	Pass
197	198	0.00	2	0.00	0	Pass
198	198	100	100	100.00	76821	Pass
199	198	5	9	7.20	5533	Pass
275	198	10	60	24.52	18834	Pass
365	198	1	100	2.97	2283	Pass
441	442	0.01	24	18.76	14481	Pass
442	442	100	100	100.00	77179	Pass
443	442	15	24	20.90	16134	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ1906446-02	I:\ACQUDATA\5973A\DATA\062419\DS640.D\	06/24/19 16:34	
Method Blank	RQ1906197-01	I:\ACQUDATA\5973A\DATA\062419\DS644.D\	06/24/19 18:29	
Lab Control Sample	RQ1906197-02	I:\ACQUDATA\5973A\DATA\062419\DS645.D\	06/24/19 18:58	
Duplicate Lab Control Sample	RQ1906197-03	I:\ACQUDATA\5973A\DATA\062419\DS646.D\	06/24/19 19:27	
OW-35R	R1905417-006	I:\ACQUDATA\5973A\DATA\062419\DS647.D\	06/24/19 19:55	
Beatty Creek	R1905417-007	I:\ACQUDATA\5973A\DATA\062419\DS648.D\	06/24/19 20:24	

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:**R1905417
Project: Former Borden Facility/08212777 **Date Analyzed:**06/28/19 23:06

Tune Summary
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5973D\Data\062819\BS213.D\ **Analytical Method:** 8270D
Instrument ID: R-MS-54 **Analysis Lot:** 641480

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
51	198	10	80	32.75	59008	Pass
68	69	0.00	2	1.55	1206	Pass
69	198	0.00	100	43.18	77806	Pass
70	69	0.00	2	0.44	343	Pass
127	198	10	80	53.00	95499	Pass
197	198	0.00	2	0.35	627	Pass
198	198	100	100	100.00	180173	Pass
199	198	5	9	6.64	11956	Pass
275	198	10	60	18.77	33826	Pass
365	198	1	100	1.86	3350	Pass
441	442	0.01	24	17.76	19912	Pass
442	442	100	100	100.00	112142	Pass
443	442	15	24	18.55	20798	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ1906663-02	I:\ACQUDATA\5973D\Data\062819\BS214.D\	06/28/19 23:27	
Method Blank	RQ1906197-01	I:\ACQUDATA\5973D\Data\062819\BS218.D\	06/29/19 01:29	
Lab Control Sample	RQ1906197-02	I:\ACQUDATA\5973D\Data\062819\BS219.D\	06/29/19 01:59	
Duplicate Lab Control Sample	RQ1906197-03	I:\ACQUDATA\5973D\Data\062819\BS220.D\	06/29/19 02:29	

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:**R1905417
Project: Former Borden Facility/08212777 **Date Analyzed:**07/12/19 06:13

Tune Summary
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5973A\DATA\071219\DS874.D\ **Analytical Method:** 8270D
Instrument ID: R-MS-51 **Analysis Lot:** 642513

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
51	198	10	80	58.53	32151	Pass
68	69	0.00	2	1.19	367	Pass
69	198	0.00	100	56.14	30839	Pass
70	69	0.00	2	0.77	236	Pass
127	198	10	80	61.90	34001	Pass
197	198	0.00	2	1.39	764	Pass
198	198	100	100	100.00	54928	Pass
199	198	5	9	8.38	4603	Pass
275	198	10	60	29.27	16076	Pass
365	198	1	100	5.03	2761	Pass
441	442	0.01	24	17.74	14247	Pass
442	442	100	100	100.00	80315	Pass
443	442	15	24	19.53	15689	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ1907013-02	I:\ACQUDATA\5973A\DATA\071219\DS875.D\	07/12/19 06:39	
Method Blank	RQ1906656-01	I:\ACQUDATA\5973A\DATA\071219\DS876.D\	07/12/19 07:16	
Lab Control Sample	RQ1906656-02	I:\ACQUDATA\5973A\DATA\071219\DS877.D\	07/12/19 07:45	
Duplicate Lab Control Sample	RQ1906656-03	I:\ACQUDATA\5973A\DATA\071219\DS878.D\	07/12/19 10:28	
MW-16	R1905417-001	I:\ACQUDATA\5973A\DATA\071219\DS886.D\	07/12/19 14:12	
MW-27	R1905417-002	I:\ACQUDATA\5973A\DATA\071219\DS887.D\	07/12/19 14:41	
MW-15	R1905417-003	I:\ACQUDATA\5973A\DATA\071219\DS888.D\	07/12/19 15:12	
MW-28	R1905417-004	I:\ACQUDATA\5973A\DATA\071219\DS889.D\	07/12/19 15:41	
MW-35R	R1905417-005	I:\ACQUDATA\5973A\DATA\071219\DS890.D\	07/12/19 16:09	
OW-10R	R1905417-009	I:\ACQUDATA\5973A\DATA\071219\DS891.D\	07/12/19 16:37	

QA/QC Report

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:**R1905417
Project: Former Borden Facility/08212777 **Date Analyzed:**06/18/19 14:52

Internal Standard Area and RT SUMMARY
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5973A\DATA\061819\DS478.D\ **Lab Code:**RQ1906072-02
Instrument ID: R-MS-51 **Analysis Lot:**639907
Analysis Method: 8270D **Signal ID:**1

		1,4-Dichlorobenzene-d4		Acenaphthene-d10		Chrysene-d12	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	125,913	4.69	241,326	7.57	350,413	12.30
	Upper Limit ==>	251,826	5.19	482,652	8.07	700,826	12.80
	Lower Limit ==>	62,957	4.19	120,663	7.07	175,207	11.80
Associated Analyses							
Method Blank	RQ1905921-01	116974	4.69	220651	7.57	345001	12.29
Lab Control Sample	RQ1905921-02	117052	4.69	227943	7.57	341965	12.29
Duplicate Lab Control Sample	RQ1905921-03	111098	4.69	212013	7.57	320840	12.29
OW-35R	R1905417-006	101320	4.69	188102	7.57	295868	12.29
Beatty Creek	R1905417-007	97602	4.69	176634	7.57	280863	12.29
MW-19	R1905417-008	108080	4.69	203117	7.57	315120	12.29
MW-17	R1905417-011	109706	4.69	202145	7.56	325537	12.29

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QA/QC Report

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:**R1905417
Project: Former Borden Facility/08212777 **Date Analyzed:**06/18/19 14:52

Internal Standard Area and RT SUMMARY
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5973A\DATA\061819\DS478.D\ **Lab Code:**RQ1906072-02
Instrument ID: R-MS-51 **Analysis Lot:**639907
Analysis Method: 8270D **Signal ID:**1

		Naphthalene-d8		Perylene-d12		Phenanthrene-d10	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	493,013	5.86	355,617	15.23	380,400	9.05
	Upper Limit ==>	986,026	6.36	711,234	15.73	760,800	9.55
	Lower Limit ==>	246,507	5.36	177,809	14.73	190,200	8.55
Associated Analyses							
Method Blank	RQ1905921-01	434923	5.86	353265	15.22	363724	9.04
Lab Control Sample	RQ1905921-02	460743	5.86	344855	15.22	335411	9.04
Duplicate Lab Control Sample	RQ1905921-03	457572	5.86	323497	15.22	316929	9.04
OW-35R	R1905417-006	371992	5.86	290519	15.22	309305	9.04
Beatty Creek	R1905417-007	344902	5.86	283268	15.22	292820	9.05
MW-19	R1905417-008	403656	5.86	313060	15.22	336089	9.04
MW-17	R1905417-011	395442	5.86	317518	15.22	334684	9.04

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QA/QC Report

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:**R1905417
Project: Former Borden Facility/08212777 **Date Analyzed:**06/19/19 14:46

Internal Standard Area and RT SUMMARY
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5973A\DATA\061919\DS524.D\ **Lab Code:**RQ1906153-02
Instrument ID: R-MS-51 **Analysis Lot:**640110
Analysis Method: 8270D **Signal ID:**1

		1,4-Dichlorobenzene-d4		Acenaphthene-d10		Chrysene-d12	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	125,469	4.67	245,868	7.55	376,481	12.27
	Upper Limit ==>	250,938	5.17	491,736	8.05	752,962	12.77
	Lower Limit ==>	62,735	4.17	122,934	7.05	188,241	11.77
Associated Analyses							
MW-16	R1905417-001	123214	4.67	238348	7.55	371196	12.26
MW-27	R1905417-002	125081	4.68	247093	7.55	375068	12.26
MW-15	R1905417-003	124426	4.67	242486	7.55	364141	12.26
MW-28	R1905417-004	122236	4.68	241130	7.55	361567	12.26
MW-35R	R1905417-005	123809	4.68	239489	7.55	359973	12.26
OW-10R	R1905417-009	127282	4.68	250833	7.55	399266	12.26

ALS Group USA, Corp.
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QA/QC Report

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:**R1905417
Project: Former Borden Facility/08212777 **Date Analyzed:**06/19/19 14:46

Internal Standard Area and RT SUMMARY
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5973A\DATA\061919\DS524.D\ **Lab Code:**RQ1906153-02
Instrument ID: R-MS-51 **Analysis Lot:**640110
Analysis Method: 8270D **Signal ID:**1

		Naphthalene-d8		Perylene-d12		Phenanthrene-d10	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	473,209	5.85	392,319	15.18	399,340	9.03
	Upper Limit ==>	946,418	6.35	784,638	15.68	798,680	9.53
	Lower Limit ==>	236,605	5.35	196,160	14.68	199,670	8.53
Associated Analyses							
MW-16	R1905417-001	462069	5.85	390554	15.18	401497	9.03
MW-27	R1905417-002	467403	5.84	392271	15.19	412859	9.03
MW-15	R1905417-003	456104	5.85	391391	15.18	410377	9.03
MW-28	R1905417-004	455995	5.85	383911	15.18	401703	9.02
MW-35R	R1905417-005	465026	5.85	374053	15.18	411361	9.03
OW-10R	R1905417-009	481272	5.85	400081	15.18	425667	9.03

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QA/QC Report

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:**R1905417
Project: Former Borden Facility/08212777 **Date Analyzed:**06/24/19 16:34

Internal Standard Area and RT SUMMARY
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5973A\DATA\062419\DS640.D\ **Lab Code:**RQ1906446-02
Instrument ID: R-MS-51 **Analysis Lot:**640870
Analysis Method: 8270D **Signal ID:**1

		1,4-Dichlorobenzene-d4		Acenaphthene-d10		Chrysene-d12	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	123,834	4.63	224,916	7.51	343,921	12.21
	Upper Limit ==>	247,668	5.13	449,832	8.01	687,842	12.71
	Lower Limit ==>	61,917	4.13	112,458	7.01	171,961	11.71
Associated Analyses							
Method Blank	RQ1906197-01	106173	4.63	215250	7.51	340914	12.20
Lab Control Sample	RQ1906197-02	105139	4.63	198190	7.51	322162	12.20
Duplicate Lab Control Sample	RQ1906197-03	106758	4.63	205557	7.51	318138	12.20
OW-35R	R1905417-006	104828	4.63	205853	7.51	317408	12.20
Beatty Creek	R1905417-007	105975	4.63	203070	7.51	311327	12.20

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:**R1905417
Project: Former Borden Facility/08212777 **Date Analyzed:**06/24/19 16:34

Internal Standard Area and RT SUMMARY
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5973A\DATA\062419\DS640.D\ **Lab Code:**RQ1906446-02
Instrument ID: R-MS-51 **Analysis Lot:**640870
Analysis Method: 8270D **Signal ID:**1

		Naphthalene-d8		Perylene-d12		Phenanthrene-d10	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	458,663	5.80	338,667	15.12	361,452	8.99
	Upper Limit ==>	917,326	6.30	677,334	15.62	722,904	9.49
	Lower Limit ==>	229,332	5.30	169,334	14.62	180,726	8.49
Associated Analyses							
Method Blank	RQ1906197-01	410612	5.80	345190	15.11	339637	8.98
Lab Control Sample	RQ1906197-02	386766	5.80	322558	15.10	309910	8.98
Duplicate Lab Control Sample	RQ1906197-03	391935	5.80	310850	15.11	314764	8.98
OW-35R	R1905417-006	393634	5.80	310552	15.10	329619	8.98
Beatty Creek	R1905417-007	388862	5.80	316767	15.10	319463	8.98

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QA/QC Report

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:**R1905417
Project: Former Borden Facility/08212777 **Date Analyzed:**06/28/19 23:27

Internal Standard Area and RT SUMMARY
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5973D\Data\062819\BS214.D\ **Lab Code:**RQ1906663-02
Instrument ID: R-MS-54 **Analysis Lot:**641480
Analysis Method: 8270D **Signal ID:**1

		1,4-Dichlorobenzene-d4		Acenaphthene-d10		Chrysene-d12	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	348,140	4.69	703,415	7.56	976,470	12.25
	Upper Limit ==>	696,280	5.19	1,406,830	8.06	1,952,940	12.75
	Lower Limit ==>	174,070	4.19	351,708	7.06	488,235	11.75
Associated Analyses							
Method Blank	RQ1906197-01	345576	4.69	699696	7.56	813626	12.24
Lab Control Sample	RQ1906197-02	345292	4.69	651148	7.56	917623	12.25
Duplicate Lab Control Sample	RQ1906197-03	351990	4.69	675174	7.56	915659	12.24

QA/QC Report

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:**R1905417
Project: Former Borden Facility/08212777 **Date Analyzed:**06/28/19 23:27

Internal Standard Area and RT SUMMARY
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5973D\Data\062819\BS214.D\ **Lab Code:**RQ1906663-02
Instrument ID: R-MS-54 **Analysis Lot:**641480
Analysis Method: 8270D **Signal ID:**1

		Naphthalene-d8		Perylene-d12		Phenanthrene-d10	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	1,338,318	5.85	953,189	15.13	1,130,110	9.03
	Upper Limit ==>	2,676,636	6.35	1,906,378	15.63	2,260,220	9.53
	Lower Limit ==>	669,159	5.35	476,595	14.63	565,055	8.53
Associated Analyses							
Method Blank	RQ1906197-01	1320069	5.85	862568	15.12	865441	9.02
Lab Control Sample	RQ1906197-02	1290086	5.85	862500	15.13	1006603	9.02
Duplicate Lab Control Sample	RQ1906197-03	1322287	5.85	894971	15.13	1064766	9.02

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QA/QC Report

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:**R1905417
Project: Former Borden Facility/08212777 **Date Analyzed:**07/12/19 06:39

Internal Standard Area and RT SUMMARY
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5973A\DATA\071219\DS875.D\ **Lab Code:**RQ1907013-02
Instrument ID: R-MS-51 **Analysis Lot:**642513
Analysis Method: 8270D **Signal ID:**1

		1,4-Dichlorobenzene-d4		Acenaphthene-d10		Chrysene-d12	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	94,429	4.61	177,575	7.47	285,657	12.09
	Upper Limit ==>	188,858	5.11	355,150	7.97	571,314	12.59
	Lower Limit ==>	47,215	4.11	88,788	6.97	142,829	11.59
Associated Analyses							
Method Blank	RQ1906656-01	101639	4.61	188675	7.47	311743	12.08
Lab Control Sample	RQ1906656-02	98902	4.61	177755	7.47	317061	12.09
Duplicate Lab Control Sample	RQ1906656-03	79544	4.61	116764	7.48	196539	12.09
MW-16	R1905417-001	85342	4.61	160807	7.47	298678	12.08
MW-27	R1905417-002	81059	4.61	161523	7.47	249812	12.08
MW-15	R1905417-003	87771	4.61	172983	7.47	281674	12.08
MW-28	R1905417-004	86849	4.61	175152	7.47	314274	12.08
MW-35R	R1905417-005	90817	4.61	176391	7.47	292627	12.08
OW-10R	R1905417-009	92297	4.61	179148	7.47	325507	12.08

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:**R1905417
Project: Former Borden Facility/08212777 **Date Analyzed:**07/12/19 06:39

Internal Standard Area and RT SUMMARY
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5973A\DATA\071219\DS875.D\ **Lab Code:**RQ1907013-02
Instrument ID: R-MS-51 **Analysis Lot:**642513
Analysis Method: 8270D **Signal ID:**1

		Naphthalene-d8		Perylene-d12		Phenanthrene-d10	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	357,493	5.78	287,270	14.90	289,884	8.94
	Upper Limit ==>	714,986	6.28	574,540	15.40	579,768	9.44
	Lower Limit ==>	178,747	5.28	143,635	14.40	144,942	8.44
Associated Analyses							
Method Blank	RQ1906656-01	380192	5.77	321068	14.90	286245	8.93
Lab Control Sample	RQ1906656-02	361213	5.77	306708	14.90	271527	8.93
Duplicate Lab Control Sample	RQ1906656-03	265749	5.77	254988	14.90	213424	8.93
MW-16	R1905417-001	301093	5.77	311814	14.90	267896	8.93
MW-27	R1905417-002	305081	5.78	253683	14.89	235720	8.93
MW-15	R1905417-003	336684	5.78	306736	14.90	273374	8.93
MW-28	R1905417-004	331740	5.78	323360	14.89	261290	8.93
MW-35R	R1905417-005	335092	5.77	320720	14.89	289458	8.93
OW-10R	R1905417-009	340593	5.77	320415	14.90	318416	8.94

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QA/QC Report

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility/08212777
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
1,4-Dioxane by GC/MS

Analysis Method: 8270D SIM
Extraction Method: EPA 3535A

Sample Name	Lab Code	1,4-Dioxane-d8 64-124
MW-27	R1905417-002	76
MW-27 DL	R1905417-002	16*
MW-15	R1905417-003	91
Method Blank	RQ1905934-01	81
Method Blank	RQ1906296-01	74
Lab Control Sample	RQ1905934-02	88
Duplicate Lab Control Sample	RQ1905934-03	90
Lab Control Sample	RQ1906296-02	78
Duplicate Lab Control Sample	RQ1906296-03	79

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QA/QC Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Analyzed:**	06/17/19 15:38
Sample Matrix:	Water	**Date Extracted:**	06/17/19

Method Blank Summary
1,4-Dioxane by GC/MS

Sample Name:	Method Blank	**Instrument ID:**	R-MS-56
Lab Code:	RQ1905934-01	**File ID:**	I:\ACQUDATA\5975E\data\061719\AS536.D\
Analysis Method:	8270D SIM	**Analysis Lot:**	639782,640179,640843
Prep Method:	EPA 3535A	**Extraction Lot:**	338763

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ1905934-02	I:\ACQUDATA\5975E\data\061719\AS537.D\	06/17/19 15:56
Duplicate Lab Control Sample	RQ1905934-03	I:\ACQUDATA\5975E\data\061719\AS538.D\	06/17/19 16:14
MW-15	R1905417-003	I:\ACQUDATA\5975E\data\061719\AS541.D\	06/17/19 17:09
MW-27	R1905417-002	I:\ACQUDATA\5975E\data\061819\AS574.D\	06/18/19 19:09

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QA/QC Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Analyzed:**	06/24/19 15:15
Sample Matrix:	Water	**Date Extracted:**	06/24/19

Method Blank Summary
1,4-Dioxane by GC/MS

Sample Name:	Method Blank	**Instrument ID:**	R-MS-56
Lab Code:	RQ1906296-01	**File ID:**	I:\ACQUDATA\5975E\data\062419\AS620.D\
Analysis Method:	8270D SIM	**Analysis Lot:**	639782,640179,640843
Prep Method:	EPA 3535A	**Extraction Lot:**	339229

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ1906296-02	I:\ACQUDATA\5975E\data\062419\AS621.D\	06/24/19 15:34
Duplicate Lab Control Sample	RQ1906296-03	I:\ACQUDATA\5975E\data\062419\AS622.D\	06/24/19 15:52
MW-27	R1905417-002	I:\ACQUDATA\5975E\data\062419\AS623.D\	06/24/19 16:10

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ1905934-01	**Basis:**	NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	0.027 U	0.040	0.027	1	06/17/19 15:38	6/17/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	81	64 - 124	06/17/19 15:38	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ1906296-01	**Basis:**	NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	0.027 U	0.040	0.027	1	06/24/19 15:15	6/24/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	74	64 - 124	06/24/19 15:15	

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QA/QC Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Analyzed:**	06/17/19 15:56
Sample Matrix:	Water	**Date Extracted:**	06/17/19

Lab Control Sample Summary
1,4-Dioxane by GC/MS

Sample Name:	Lab Control Sample	**Instrument ID:**	R-MS-56
Lab Code:	RQ1905934-02	**File ID:**	I:\ACQUDATA\5975E\data\061719\AS537.D\
Analysis Method:	8270D SIM	**Analysis Lot:**	639782,640179,640843
Prep Method:	EPA 3535A	**Extraction Lot:**	338763

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ1905934-01	I:\ACQUDATA\5975E\data\061719\AS536.D\	06/17/19 15:38
Duplicate Lab Control Sample	RQ1905934-03	I:\ACQUDATA\5975E\data\061719\AS538.D\	06/17/19 16:14
MW-15	R1905417-003	I:\ACQUDATA\5975E\data\061719\AS541.D\	06/17/19 17:09
MW-27	R1905417-002	I:\ACQUDATA\5975E\data\061819\AS574.D\	06/18/19 19:09

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QA/QC Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Analyzed:**	06/24/19 15:34
Sample Matrix:	Water	**Date Extracted:**	06/24/19

Lab Control Sample Summary
1,4-Dioxane by GC/MS

Sample Name:	Lab Control Sample	**Instrument ID:**	R-MS-56
Lab Code:	RQ1906296-02	**File ID:**	I:\ACQUDATA\5975E\data\062419\AS621.D\
Analysis Method:	8270D SIM	**Analysis Lot:**	639782,640179,640843
Prep Method:	EPA 3535A	**Extraction Lot:**	339229

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ1906296-01	I:\ACQUDATA\5975E\data\062419\AS620.D\	06/24/19 15:15
Duplicate Lab Control Sample	RQ1906296-03	I:\ACQUDATA\5975E\data\062419\AS622.D\	06/24/19 15:52
MW-27	R1905417-002	I:\ACQUDATA\5975E\data\062419\AS623.D\	06/24/19 16:10

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QA/QC Report

Client: Professional Service Industries (PSI) Schenectady, NY
Project: Former Borden Facility/08212777
Sample Matrix: Water

Service Request: R1905417
Date Analyzed: 06/17/19

Duplicate Lab Control Sample Summary
1,4-Dioxane by GC/MS

Units:ug/L
Basis:NA

			Lab Control Sample			Duplicate Lab Control Sample					
			RQ1905934-02			RQ1905934-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,4-Dioxane	8270D SIM	11.1	10.1	110	11.9	10.1	117	60-119	7	30

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QA/QC Report

Client: Professional Service Industries (PSI) Schenectady, NY
Project: Former Borden Facility/08212777
Sample Matrix: Water

Service Request: R1905417
Date Analyzed: 06/24/19

Duplicate Lab Control Sample Summary
1,4-Dioxane by GC/MS

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ1906296-02			RQ1906296-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,4-Dioxane	8270D SIM	10.1	10.1	100	10.3	10.1	101	60-119	2	30

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:**R1905417
Project: Former Borden Facility/08212777 **Date Analyzed:**06/17/19 12:42

Tune Summary
1,4-Dioxane by GC/MS

File ID: I:\ACQUDATA\5975E\data\061719\AS527.D\ **Analytical Method:** 8270D SIM
Instrument ID: R-MS-56 **Analysis Lot:** 639782

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
51	198	10	80	39.64	240107	Pass
68	69	0.00	2	1.66	4109	Pass
69	198	0.00	100	40.87	247563	Pass
70	69	0.00	2	0.57	1401	Pass
127	198	10	80	49.31	298667	Pass
197	198	0.00	2	0.17	1004	Pass
198	198	100	100	100.00	605717	Pass
199	198	5	9	6.81	41275	Pass
275	198	10	60	23.25	140848	Pass
365	198	1	100	2.59	15700	Pass
441	442	0.01	24	15.03	60621	Pass
442	442	100	100	100.00	403349	Pass
443	442	15	24	18.95	76440	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ1906028-03	I:\ACQUDATA\5975E\data\061719\AS535.D\	06/17/19 15:21	
Method Blank	RQ1905934-01	I:\ACQUDATA\5975E\data\061719\AS536.D\	06/17/19 15:38	
Lab Control Sample	RQ1905934-02	I:\ACQUDATA\5975E\data\061719\AS537.D\	06/17/19 15:56	
Duplicate Lab Control Sample	RQ1905934-03	I:\ACQUDATA\5975E\data\061719\AS538.D\	06/17/19 16:14	
MW-15	R1905417-003	I:\ACQUDATA\5975E\data\061719\AS541.D\	06/17/19 17:09	

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:**R1905417
Project: Former Borden Facility/08212777 **Date Analyzed:**06/18/19 13:59

Tune Summary
1,4-Dioxane by GC/MS

File ID: I:\ACQUDATA\5975E\data\061819\AS560.D\ **Analytical Method:** 8270D SIM
Instrument ID: R-MS-56 **Analysis Lot:** 640179

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
51	198	10	80	38.42	240427	Pass
68	69	0.00	2	1.48	3669	Pass
69	198	0.00	100	39.57	247607	Pass
70	69	0.00	2	0.70	1730	Pass
127	198	10	80	49.69	310935	Pass
197	198	0.00	2	0.00	0	Pass
198	198	100	100	100.00	625707	Pass
199	198	5	9	6.75	42221	Pass
275	198	10	60	24.35	152341	Pass
365	198	1	100	2.71	16949	Pass
441	442	0.01	24	15.02	65021	Pass
442	442	100	100	100.00	433024	Pass
443	442	15	24	19.86	86003	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ1906170-02	I:\ACQUDATA\5975E\data\061819\AS561.D\	06/18/19 14:22	
MW-27	R1905417-002	I:\ACQUDATA\5975E\data\061819\AS574.D\	06/18/19 19:09	

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:**R1905417
Project: Former Borden Facility/08212777 **Date Analyzed:**06/24/19 14:30

Tune Summary
1,4-Dioxane by GC/MS

File ID: I:\ACQUDATA\5975E\data\062419\AS618.D\ **Analytical Method:** 8270D SIM
Instrument ID: R-MS-56 **Analysis Lot:** 640843

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
51	198	10	80	39.22	251904	Pass
68	69	0.00	2	1.64	4343	Pass
69	198	0.00	100	41.18	264490	Pass
70	69	0.00	2	0.56	1489	Pass
127	198	10	80	49.87	320299	Pass
197	198	0.00	2	0.58	3696	Pass
198	198	100	100	100.00	642325	Pass
199	198	5	9	6.89	44261	Pass
275	198	10	60	23.84	153152	Pass
365	198	1	100	2.75	17643	Pass
441	442	0.01	24	14.99	63440	Pass
442	442	100	100	100.00	423275	Pass
443	442	15	24	19.82	83877	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ1906427-02	I:\ACQUDATA\5975E\data\062419\AS619.D\	06/24/19 14:55	
Method Blank	RQ1906296-01	I:\ACQUDATA\5975E\data\062419\AS620.D\	06/24/19 15:15	
Lab Control Sample	RQ1906296-02	I:\ACQUDATA\5975E\data\062419\AS621.D\	06/24/19 15:34	
Duplicate Lab Control Sample	RQ1906296-03	I:\ACQUDATA\5975E\data\062419\AS622.D\	06/24/19 15:52	
MW-27	R1905417-002	I:\ACQUDATA\5975E\data\062419\AS623.D\	06/24/19 16:10	

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QA/QC Report

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:**R1905417
Project: Former Borden Facility/08212777 **Date Analyzed:**06/17/19 15:21

Internal Standard Area and RT SUMMARY
1,4-Dioxane by GC/MS

File ID: I:\ACQUDATA\5975E\data\061719\AS535.D\ **Lab Code:**RQ1906028-03
Instrument ID: R-MS-56 **Analysis Lot:**639782
Analysis Method: 8270D SIM **Signal ID:**1

		Tetrahydrofuran-d8	
		Area	**RT**
	Result ==>	32,737	2.97
	Upper Limit ==>	65,474	3.47
	Lower Limit ==>	16,369	2.47
Associated Analyses			
Method Blank	RQ1905934-01	36058	2.96
Lab Control Sample	RQ1905934-02	35594	3.00
Duplicate Lab Control Sample	RQ1905934-03	33187	2.97
MW-15	R1905417-003	35753	2.93

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QA/QC Report

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:**R1905417
Project: Former Borden Facility/08212777 **Date Analyzed:**06/18/19 14:22

Internal Standard Area and RT SUMMARY
1,4-Dioxane by GC/MS

File ID: I:\ACQUDATA\5975E\data\061819\AS561.D\ **Lab Code:**RQ1906170-02
Instrument ID: R-MS-56 **Analysis Lot:**640179
Analysis Method: 8270D SIM **Signal ID:**1

		Tetrahydrofuran-d8	
		Area	**RT**
	Result ==>	35,860	3.01
	Upper Limit ==>	71,720	3.51
	Lower Limit ==>	17,930	2.51
Associated Analyses			
MW-27	R1905417-002	41956	3.03

QA/QC Report

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:**R1905417
Project: Former Borden Facility/08212777 **Date Analyzed:**06/24/19 14:55

Internal Standard Area and RT SUMMARY
1,4-Dioxane by GC/MS

File ID: I:\ACQUDATA\5975E\data\062419\AS619.D\ **Lab Code:**RQ1906427-02
Instrument ID: R-MS-56 **Analysis Lot:**640843
Analysis Method: 8270D SIM **Signal ID:**1

		Tetrahydrofuran-d8	
		Area	**RT**
	Result ==>	34,442	3.01
	Upper Limit ==>	68,884	3.51
	Lower Limit ==>	17,221	2.51
Associated Analyses			
Method Blank	RQ1906296-01	36709	3.01
Lab Control Sample	RQ1906296-02	36381	3.00
Duplicate Lab Control Sample	RQ1906296-03	32799	2.94
MW-27	R1905417-002	35121	2.96

Semivolatile Organic Compounds by GC

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility/08212777
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Low Level Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Extraction Method: EPA 3510C

Sample Name	Lab Code	Decachlorobiphenyl 10-125	Tetrachloro-m-xylene 18-126
MW-2B	R1905417-010	64	67
MW-17	R1905417-011	62	72
MW-21	R1905417-012	50	69
Method Blank	RQ1905875-02	58	71
Lab Control Sample	RQ1905875-03	60	72
Duplicate Lab Control Sample	RQ1905875-04	60	75

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QA/QC Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Analyzed:**	06/18/19 13:38
Sample Matrix:	Water	**Date Extracted:**	06/14/19

Method Blank Summary
Low Level Polychlorinated Biphenyls (PCBs) by GC

Sample Name:	Method Blank	**Instrument ID:**	R-GC-54
Lab Code:	RQ1905875-02	**File ID:**	I:\ACQUDATA\6890D\DATA\061819\GF371.D\
Analysis Method:	8082A	**Analysis Lot:**	639898
Prep Method:	EPA 3510C	**Extraction Lot:**	338709

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ1905875-03	I:\ACQUDATA\6890D\DATA\061819\GF372.D\	06/18/19 13:58
Duplicate Lab Control Sample	RQ1905875-04	I:\ACQUDATA\6890D\DATA\061819\GF373.D\	06/18/19 14:18
MW-2B	R1905417-010	I:\ACQUDATA\6890D\DATA\061819\GF375.D\	06/18/19 14:57
MW-17	R1905417-011	I:\ACQUDATA\6890D\DATA\061819\GF376.D\	06/18/19 15:17
MW-21	R1905417-012	I:\ACQUDATA\6890D\DATA\061819\GF377.D\	06/18/19 15:36

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ1905875-02	**Basis:**	NA

Low Level Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.037 U	0.050	0.037	1	06/18/19 13:38	6/14/19	
Aroclor 1221	0.035 U	0.050	0.035	1	06/18/19 13:38	6/14/19	
Aroclor 1232	0.025 U	0.050	0.025	1	06/18/19 13:38	6/14/19	
Aroclor 1242	0.025 U	0.050	0.025	1	06/18/19 13:38	6/14/19	
Aroclor 1248	0.027 U	0.050	0.027	1	06/18/19 13:38	6/14/19	
Aroclor 1254	0.025 U	0.050	0.025	1	06/18/19 13:38	6/14/19	
Aroclor 1260	0.025 U	0.050	0.025	1	06/18/19 13:38	6/14/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	58	10 - 125	06/18/19 13:38	
Tetrachloro-m-xylene	71	18 - 126	06/18/19 13:38	

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QA/QC Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Analyzed:**	06/18/19 13:58
Sample Matrix:	Water	**Date Extracted:**	06/14/19

Lab Control Sample Summary
Low Level Polychlorinated Biphenyls (PCBs) by GC

Sample Name:	Lab Control Sample	**Instrument ID:**	R-GC-54
Lab Code:	RQ1905875-03	**File ID:**	I:\ACQUDATA\6890D\DATA\061819\GF372.D\
Analysis Method:	8082A	**Analysis Lot:**	639898
Prep Method:	EPA 3510C	**Extraction Lot:**	338709

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ1905875-02	I:\ACQUDATA\6890D\DATA\061819\GF371.D\	06/18/19 13:38
Duplicate Lab Control Sample	RQ1905875-04	I:\ACQUDATA\6890D\DATA\061819\GF373.D\	06/18/19 14:18
MW-2B	R1905417-010	I:\ACQUDATA\6890D\DATA\061819\GF375.D\	06/18/19 14:57
MW-17	R1905417-011	I:\ACQUDATA\6890D\DATA\061819\GF376.D\	06/18/19 15:17
MW-21	R1905417-012	I:\ACQUDATA\6890D\DATA\061819\GF377.D\	06/18/19 15:36

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QA/QC Report

Client: Professional Service Industries (PSI) Schenectady, NY
Project: Former Borden Facility/08212777
Sample Matrix: Water

Service Request: R1905417
Date Analyzed: 06/18/19

Duplicate Lab Control Sample Summary
Low Level Polychlorinated Biphenyls (PCBs) by GC

Units:ug/L
Basis:NA

			Lab Control Sample			Duplicate Lab Control Sample				
			RQ1905875-03			RQ1905875-04				
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Aroclor 1016	8082A	0.429	0.500	86	0.460	0.500	92	24-119	7	30
Aroclor 1260	8082A	0.382	0.500	76	0.407	0.500	81	43-124	6	30

Confirmation Results

Client: Professional Service Industries (PSI) Schenectady, NY
Project: Former Borden Facility/08212777
SRM Matrix: Water

Service Request: R1905417
Date Collected: 06/10/19 13:50
Date Received: 6/12/19

Sample Name: MW-17
Lab Code: R1905417-011

Units: ug/L
Basis: NA

Low Level Polychlorinated Biphenyls (PCBs) by GC

Analytical Method: 8082A
Prep Method: EPA 3510C

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Aroclor 1248	0.027	0.10	0.10	<1		1	06/18/19 15:17

Confirmation Results

Client: Professional Service Industries (PSI) Schenectady, NY
Project: Former Borden Facility/08212777
SRM Matrix: Water

Service Request: R1905417
Date Collected: NA
Date Received:

Sample Name: Lab Control Sample
Lab Code: RQ1905875-03

Units: ug/L
Basis: NA

Low Level Polychlorinated Biphenyls (PCBs) by GC

Analytical Method: 8082A
Prep Method: EPA 3510C

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Aroclor 1016	0.037	0.429	0.464	8		1	06/18/19 13:58
Aroclor 1260	0.025	0.382	0.386	1		1	06/18/19 13:58

Confirmation Results

Client: Professional Service Industries (PSI) Schenectady, NY
Project: Former Borden Facility/08212777
SRM Matrix: Water

Service Request: R1905417
Date Collected: NA
Date Received:

Sample Name: Duplicate Lab Control Sample
Lab Code: RQ1905875-04

Units: ug/L
Basis: NA

Low Level Polychlorinated Biphenyls (PCBs) by GC

Analytical Method: 8082A
Prep Method: EPA 3510C

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Aroclor 1016	0.037	0.460	0.513	11		1	06/18/19 14:18
Aroclor 1260	0.025	0.407	0.408	<1		1	06/18/19 14:18

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QA/QC Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Analyzed:**	06/14/19 10:46
Sample Matrix:	Water	**Date Extracted:**	06/13/19

Method Blank Summary
Carbonyl Compounds by High Performance Liquid Chromatography (HPLC)

Sample Name:	Method Blank	**Instrument ID:**	R-HPLC-06
Lab Code:	RQ1905802-01	**File ID:**	I:\ACQUDATA\HPLC06\Data\061419\A0004259.D\
Analysis Method:	8315A	**Analysis Lot:**	639543
Prep Method:	Method	**Extraction Lot:**	338594

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ1905802-02	I:\ACQUDATA\HPLC06\Data\061419 \A0004260.D\	06/14/19 11:09
Duplicate Lab Control Sample	RQ1905802-03	I:\ACQUDATA\HPLC06\Data\061419 \A0004261.D\	06/14/19 11:31
OW-10R	R1905417-009	I:\ACQUDATA\HPLC06\Data\061419 \A0004262.D\	06/14/19 11:53
MW-16	R1905417-001	I:\ACQUDATA\HPLC06\Data\061419 \A0004263.D\	06/14/19 12:15
MW-27	R1905417-002	I:\ACQUDATA\HPLC06\Data\061419 \A0004264.D\	06/14/19 12:37

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ1905802-01	**Basis:**	NA

Carbonyl Compounds by High Performance Liquid Chromatography (HPLC)

Analysis Method: 8315A
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Formaldehyde	6.1 U	20	6.1	1	06/14/19 10:46	6/13/19	

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QA/QC Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Analyzed:**	06/14/19 11:09
Sample Matrix:	Water	**Date Extracted:**	06/13/19

Lab Control Sample Summary
Carbonyl Compounds by High Performance Liquid Chromatography (HPLC)

Sample Name:	Lab Control Sample	**Instrument ID:**	R-HPLC-06
Lab Code:	RQ1905802-02	**File ID:**	I:\ACQUDATA\HPLC06\Data\061419\A0004260.D\
Analysis Method:	8315A	**Analysis Lot:**	639543
Prep Method:	Method	**Extraction Lot:**	338594

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ1905802-01	I:\ACQUDATA\HPLC06\Data\061419 \A0004259.D\	06/14/19 10:46
Duplicate Lab Control Sample	RQ1905802-03	I:\ACQUDATA\HPLC06\Data\061419 \A0004261.D\	06/14/19 11:31
OW-10R	R1905417-009	I:\ACQUDATA\HPLC06\Data\061419 \A0004262.D\	06/14/19 11:53
MW-16	R1905417-001	I:\ACQUDATA\HPLC06\Data\061419 \A0004263.D\	06/14/19 12:15
MW-27	R1905417-002	I:\ACQUDATA\HPLC06\Data\061419 \A0004264.D\	06/14/19 12:37

Client: Professional Service Industries (PSI) Schenectady, NY
Project: Former Borden Facility/08212777
Sample Matrix: Water

Service Request: R1905417
Date Analyzed: 06/14/19

Duplicate Lab Control Sample Summary
Carbonyl Compounds by High Performance Liquid Chromatography (HPLC)

Units:ug/L
Basis:NA

			Lab Control Sample			Duplicate Lab Control Sample				
			RQ1905802-02			RQ1905802-03				
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Formaldehyde	8315A	40.2	40.0	100	40.2	40.0	101	70-134	<1	30

Raw Data

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
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Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
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www.alsglobal.com

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 12:00
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-16	**Units:**	ug/L
Lab Code:	R1905417-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	0.20 U	5.0	0.20	1	06/18/19 04:31	
Ethylbenzene	0.20 U	5.0	0.20	1	06/18/19 04:31	
Toluene	0.20 U	5.0	0.20	1	06/18/19 04:31	
m,p-Xylenes	0.20 U	5.0	0.20	1	06/18/19 04:31	
o-Xylene	0.20 U	5.0	0.20	1	06/18/19 04:31	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	06/18/19 04:31	
Dibromofluoromethane	100	89 - 119	06/18/19 04:31	
Toluene-d8	101	87 - 121	06/18/19 04:31	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 12:22
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-27	**Units:**	ug/L
Lab Code:	R1905417-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	**0.63 J**	5.0	0.20	1	06/18/19 04:53	
Ethylbenzene	0.20 U	5.0	0.20	1	06/18/19 04:53	
Toluene	0.20 U	5.0	0.20	1	06/18/19 04:53	
m,p-Xylenes	0.20 U	5.0	0.20	1	06/18/19 04:53	
o-Xylene	0.20 U	5.0	0.20	1	06/18/19 04:53	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	117	85 - 122	06/18/19 04:53	
Dibromofluoromethane	102	89 - 119	06/18/19 04:53	
Toluene-d8	103	87 - 121	06/18/19 04:53	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 10:30
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-15	**Units:**	ug/L
Lab Code:	R1905417-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	**42 J**	130	5.0	25	06/18/19 07:48	
Ethylbenzene	**11 J**	130	5.0	25	06/18/19 07:48	
Toluene	**4400**	130	5.0	25	06/18/19 07:48	
m,p-Xylenes	5.0 U	130	5.0	25	06/18/19 07:48	
o-Xylene	5.0 U	130	5.0	25	06/18/19 07:48	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	116	85 - 122	06/18/19 07:48	
Dibromofluoromethane	102	89 - 119	06/18/19 07:48	
Toluene-d8	121	87 - 121	06/18/19 07:48	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 12:28
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-28	**Units:**	ug/L
Lab Code:	R1905417-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	**2.6 J**	5.0	0.20	1	06/18/19 13:30	
Ethylbenzene	0.20 U	5.0	0.20	1	06/18/19 13:30	
Toluene	**0.22 J**	5.0	0.20	1	06/18/19 13:30	
m,p-Xylenes	**0.27 J**	5.0	0.20	1	06/18/19 13:30	
o-Xylene	0.20 U	5.0	0.20	1	06/18/19 13:30	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	06/18/19 13:30	
Dibromofluoromethane	102	89 - 119	06/18/19 13:30	
Toluene-d8	102	87 - 121	06/18/19 13:30	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 11:25
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-35R	**Units:**	ug/L
Lab Code:	R1905417-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	0.20 U	5.0	0.20	1	06/18/19 13:51	
Ethylbenzene	0.20 U	5.0	0.20	1	06/18/19 13:51	
Toluene	0.20 U	5.0	0.20	1	06/18/19 13:51	
m,p-Xylenes	0.20 U	5.0	0.20	1	06/18/19 13:51	
o-Xylene	0.20 U	5.0	0.20	1	06/18/19 13:51	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	06/18/19 13:51	
Dibromofluoromethane	102	89 - 119	06/18/19 13:51	
Toluene-d8	104	87 - 121	06/18/19 13:51	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 10:05
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	OW-35R	**Units:**	ug/L
Lab Code:	R1905417-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	**1.3 J**	5.0	0.20	1	06/18/19 05:58	
Ethylbenzene	0.20 U	5.0	0.20	1	06/18/19 05:58	
Toluene	**0.47 J**	5.0	0.20	1	06/18/19 05:58	
m,p-Xylenes	**0.56 J**	5.0	0.20	1	06/18/19 05:58	
o-Xylene	**0.21 J**	5.0	0.20	1	06/18/19 05:58	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	06/18/19 05:58	
Dibromofluoromethane	103	89 - 119	06/18/19 05:58	
Toluene-d8	104	87 - 121	06/18/19 05:58	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 11:40
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	Beatty Creek	**Units:**	ug/L
Lab Code:	R1905417-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	0.20 U	5.0	0.20	1	06/18/19 06:20	
Ethylbenzene	0.20 U	5.0	0.20	1	06/18/19 06:20	
Toluene	0.20 U	5.0	0.20	1	06/18/19 06:20	
m,p-Xylenes	0.20 U	5.0	0.20	1	06/18/19 06:20	
o-Xylene	0.20 U	5.0	0.20	1	06/18/19 06:20	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	06/18/19 06:20	
Dibromofluoromethane	101	89 - 119	06/18/19 06:20	
Toluene-d8	101	87 - 121	06/18/19 06:20	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 11:15
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-19	**Units:**	ug/L
Lab Code:	R1905417-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	**0.28 J**	5.0	0.20	1	06/18/19 06:42	
Ethylbenzene	0.20 U	5.0	0.20	1	06/18/19 06:42	
Toluene	0.20 U	5.0	0.20	1	06/18/19 06:42	
m,p-Xylenes	0.20 U	5.0	0.20	1	06/18/19 06:42	
o-Xylene	0.20 U	5.0	0.20	1	06/18/19 06:42	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	06/18/19 06:42	
Dibromofluoromethane	101	89 - 119	06/18/19 06:42	
Toluene-d8	87	87 - 121	06/18/19 06:42	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 09:40
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	OW-10R	**Units:**	ug/L
Lab Code:	R1905417-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	**5.5**	5.0	0.20	1	06/18/19 14:13	
Ethylbenzene	**1.6 J**	5.0	0.20	1	06/18/19 14:13	
Toluene	**30**	5.0	0.20	1	06/18/19 14:13	
m,p-Xylenes	**0.90 J**	5.0	0.20	1	06/18/19 14:13	
o-Xylene	**0.36 J**	5.0	0.20	1	06/18/19 14:13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	122	85 - 122	06/18/19 14:13	
Dibromofluoromethane	105	89 - 119	06/18/19 14:13	
Toluene-d8	104	87 - 121	06/18/19 14:13	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	Dupe	**Units:**	ug/L
Lab Code:	R1905417-013	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	**6.6**	5.0	0.20	1	06/18/19 07:04	
Ethylbenzene	**1.8 J**	5.0	0.20	1	06/18/19 07:04	
Toluene	**38**	5.0	0.20	1	06/18/19 07:04	
m,p-Xylenes	**1.0 J**	5.0	0.20	1	06/18/19 07:04	
o-Xylene	**0.49 J**	5.0	0.20	1	06/18/19 07:04	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	06/18/19 07:04	
Dibromofluoromethane	101	89 - 119	06/18/19 07:04	
Toluene-d8	102	87 - 121	06/18/19 07:04	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 06:00
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	Trip Blank	**Units:**	ug/L
Lab Code:	R1905417-014	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Benzene	0.20 U	5.0	0.20	1	06/18/19 04:09	
Ethylbenzene	0.20 U	5.0	0.20	1	06/18/19 04:09	
Toluene	0.20 U	5.0	0.20	1	06/18/19 04:09	
m,p-Xylenes	0.20 U	5.0	0.20	1	06/18/19 04:09	
o-Xylene	0.20 U	5.0	0.20	1	06/18/19 04:09	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	06/18/19 04:09	
Dibromofluoromethane	102	89 - 119	06/18/19 04:09	
Toluene-d8	102	87 - 121	06/18/19 04:09	

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061719\
Data File : E1952.D
Acq On : 18 Jun 2019 4:31 am
Operator : D.LIPANI
Sample : R1905417-001|1.0 Inst : MSVOA10
Misc : PSI 6684 T4
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Jun 19 16:30:20 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration

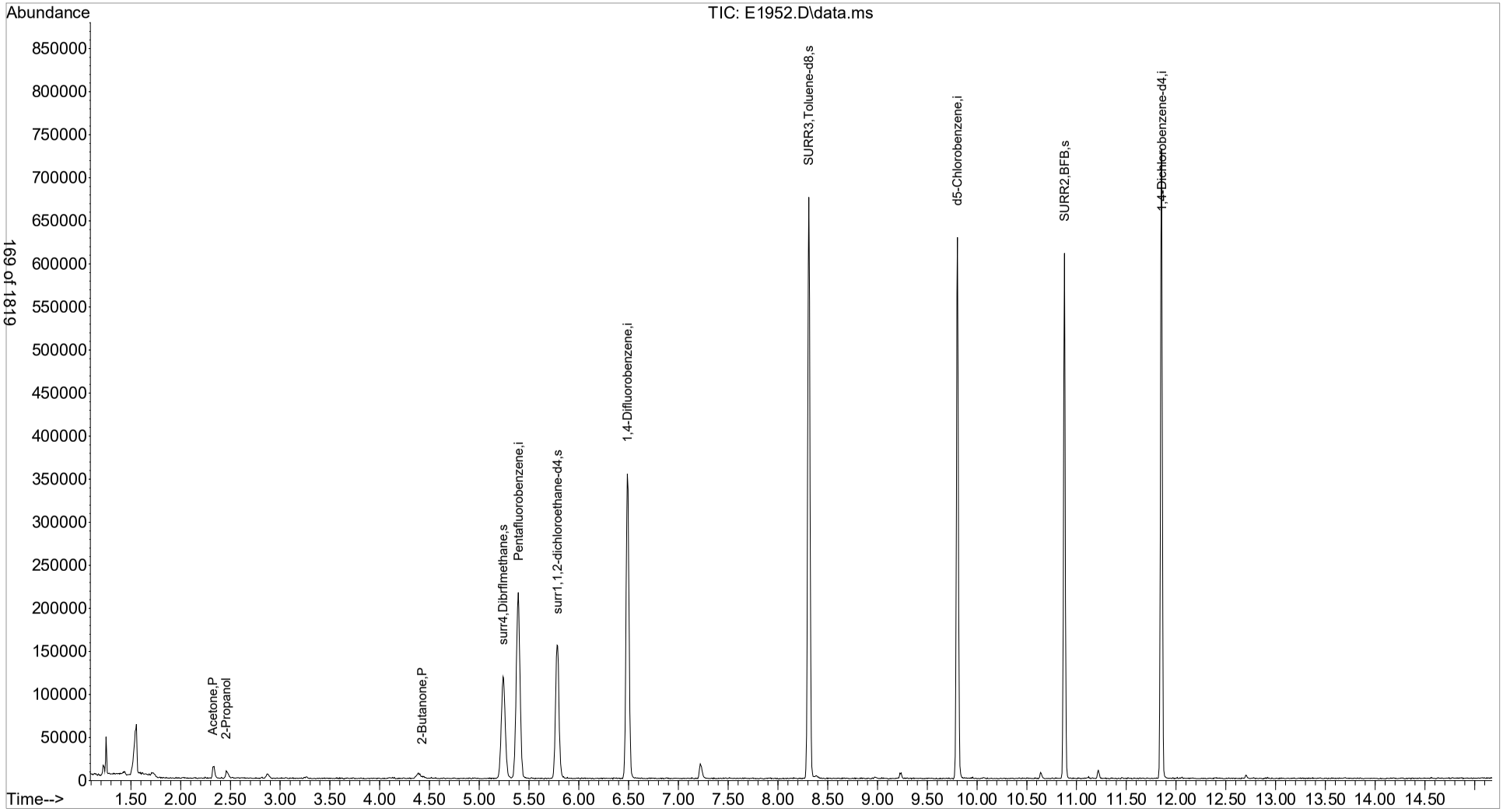
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.391	168	200149	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.488	114	298007	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.805	117	265026	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	137309	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.238	113	97679	50.13	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 100.26%			
46) surr1,1,2-dichloroetha...	5.787	65	136237	52.73	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 105.46%			
64) SURR3,Toluene-d8	8.311	98	395859	50.54	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.08%			
69) SURR2,BFB	10.878	95	142232	48.70	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 97.40%			
Target Compounds						Qvalue
6) Chloroethane	1.605	64	398	Below Cal	#	54
15) Acetone	2.324	43	15897	15.61	ug/L	92
16) 2-Propanol	2.458	45	10565	66.55	ug/L	85
34) 2-Butanone	4.428	43	3189	1.87	ug/L	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

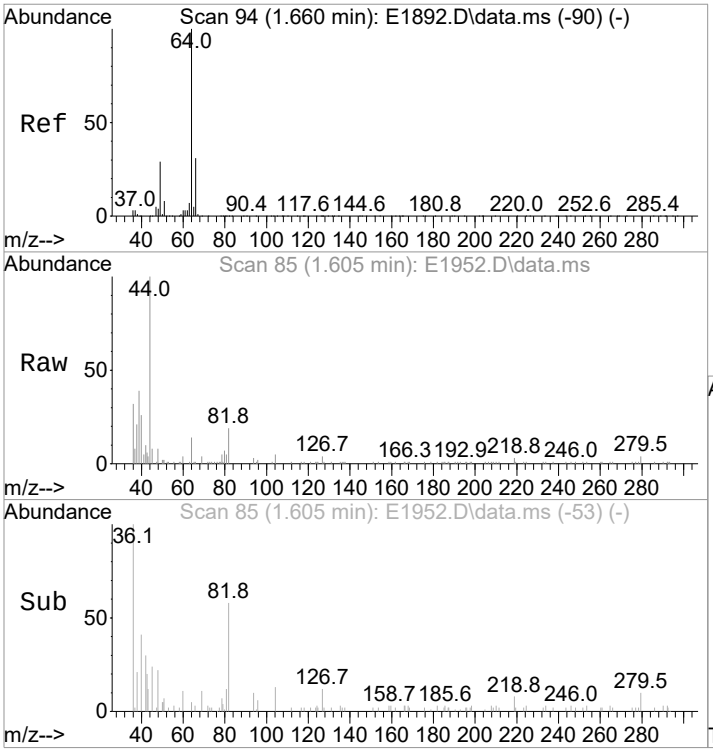
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061719\
Data File : E1952.D
Acq On : 18 Jun 2019 4:31 am
Operator : D.LIPANI
Sample : R1905417-001|1.0 Inst : MSVOA10
Misc : PSI 6684 T4
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Jun 19 16:30:20 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration



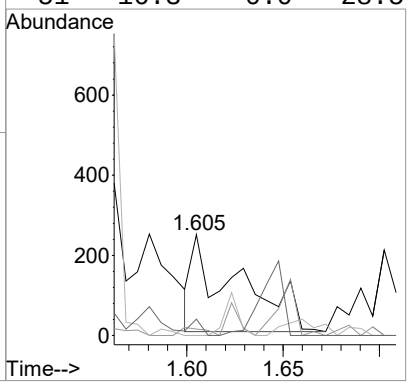
1st DL 06/19/19
2nd FJ 06/20/19

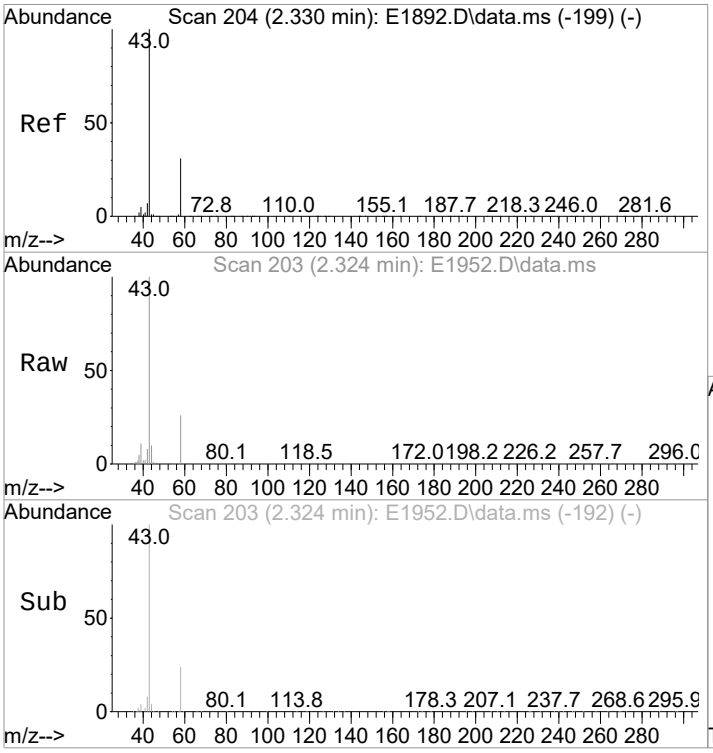


#6
Chloroethane
Concen: Below Cal
RT: 1.605 min Scan# 85
Delta R.T. -0.048 min
Lab File: E1952.D
Acq: 18 Jun 2019 4:31 am

Tgt Ion: 64 Resp: 398

Ion	Ratio	Lower	Upper
64	100		
66	6.3	10.7	50.7#
49	0.0	8.7	48.7#
51	16.3	0.0	28.5

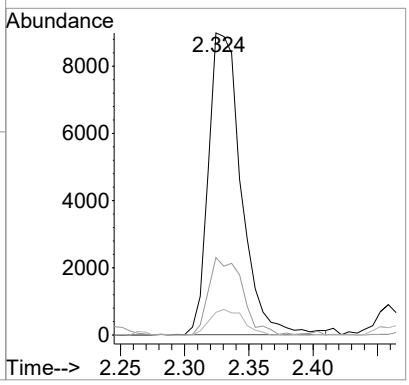


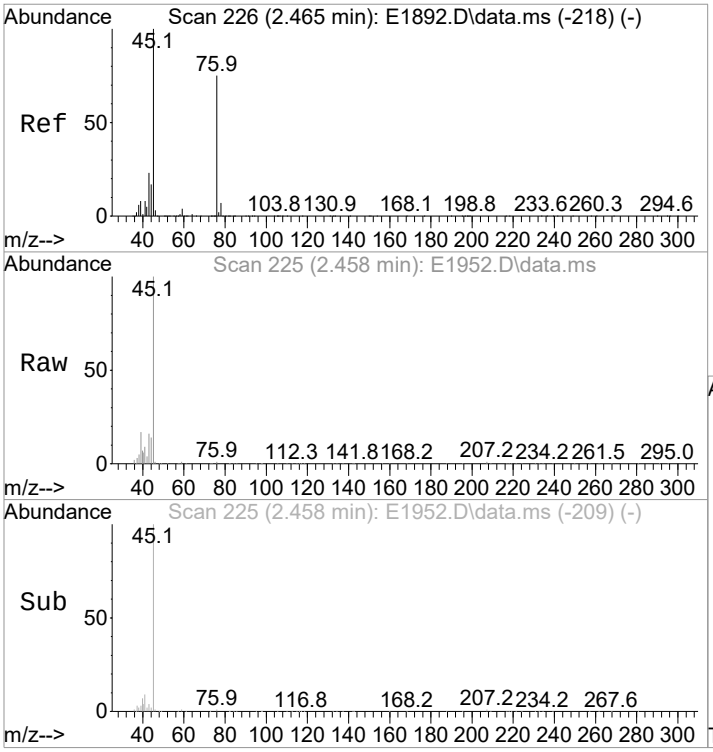


#15
Acetone
Concen: 15.61 ug/L
RT: 2.324 min Scan# 203
Delta R.T. -0.006 min
Lab File: E1952.D
Acq: 18 Jun 2019 4:31 am

Tgt Ion: 43 Resp: 15897

Ion	Ratio	Lower	Upper
43	100		
58	25.6	10.8	50.8
42	7.5	0.0	26.9

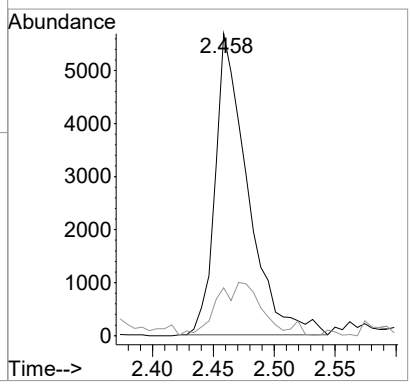


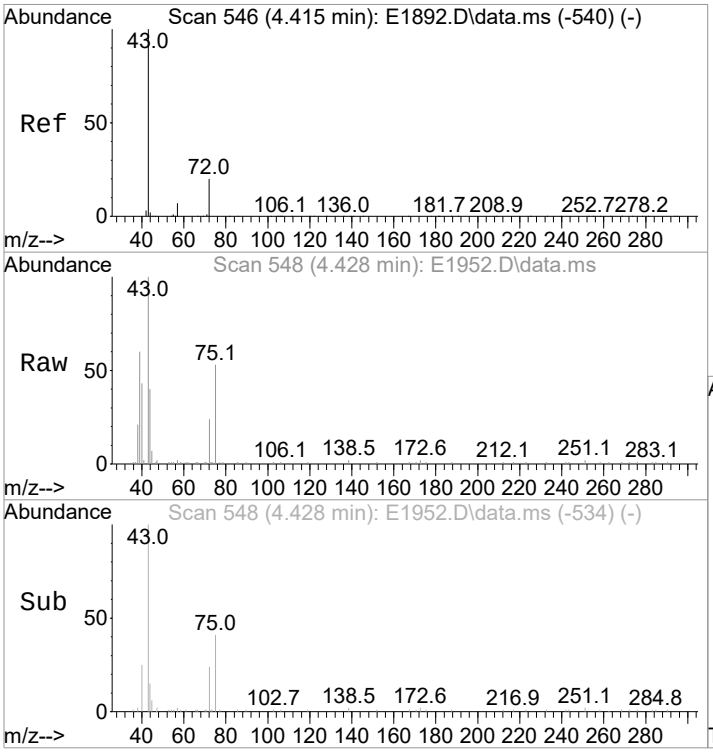


#16
2-Propanol
Concen: 66.55 ug/L
RT: 2.458 min Scan# 225
Delta R.T. -0.012 min
Lab File: E1952.D
Acq: 18 Jun 2019 4:31 am

Tgt Ion: 45 Resp: 10565

Ion	Ratio	Lower	Upper
45	100		
43	15.9	3.2	43.2

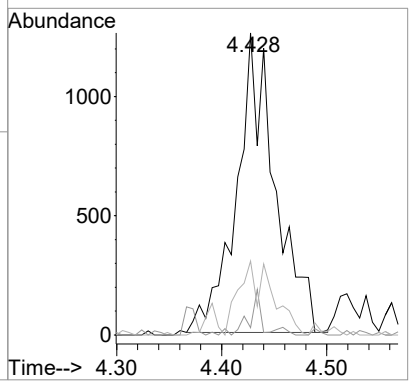




#34
2-Butanone
Concen: 1.87 ug/L
RT: 4.428 min Scan# 548
Delta R.T. 0.012 min
Lab File: E1952.D
Acq: 18 Jun 2019 4:31 am

Tgt Ion: 43 Resp: 3189

Ion	Ratio	Lower	Upper
43	100		
57	2.4	0.0	26.7
72	24.5	0.1	40.1

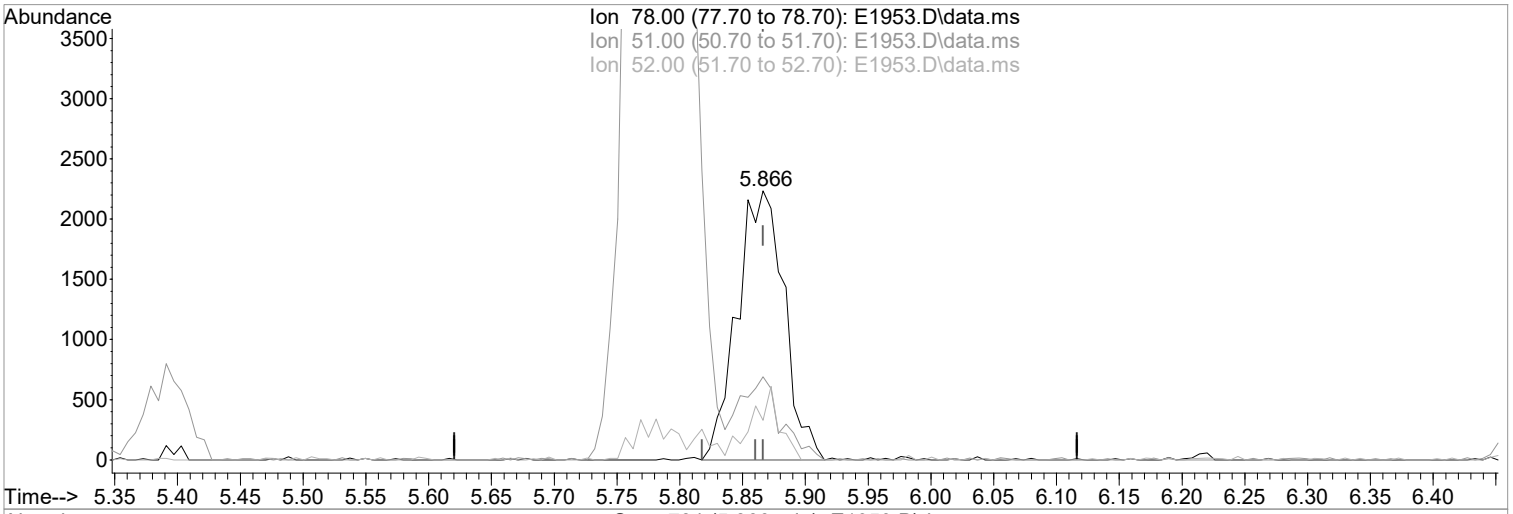


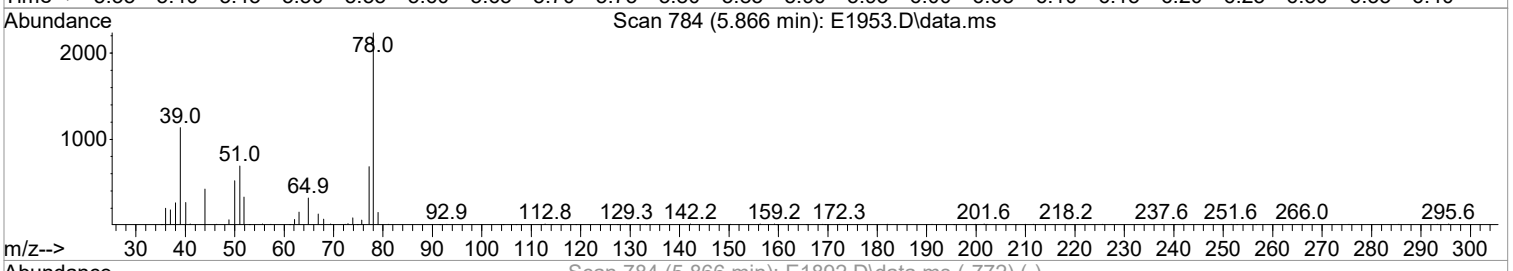
1st DL 06/19/19
2nd FW 06/20/19

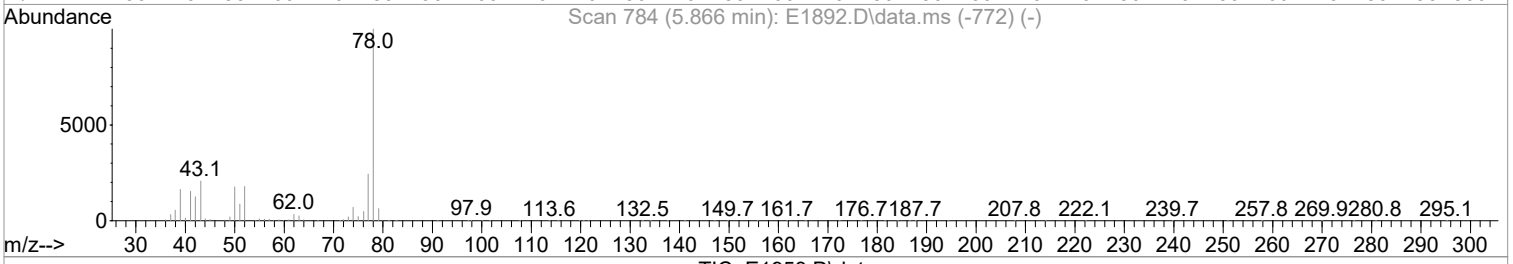
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061719\
Data File : E1953.D
Acq On : 18 Jun 2019 4:53 am
Operator : D.LIPANI
Sample : R1905417-002|1.0 Inst : MSVOA10
Misc : PSI 6684 T4
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Jun 18 08:12:41 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration







TIC: E1953.D\data.ms

(47) Benzene (P)

5.866min (+0.000) 0.63 ug/L m

response 5803

Ion	Exp%	Act%
78.00	100	100
51.00	18.80	30.92
52.00	18.00	14.77
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

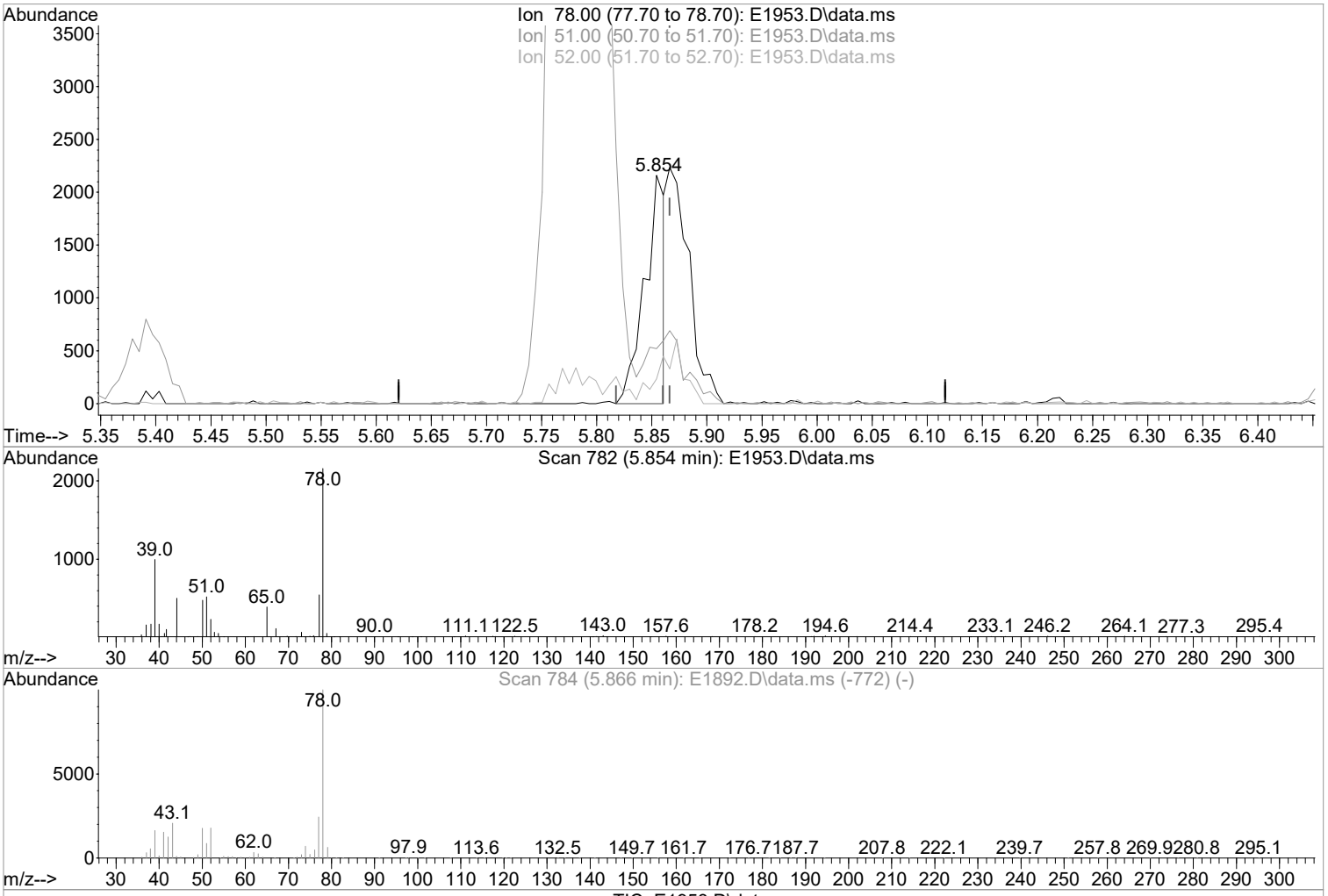
06/19/19

1st DL 06/19/19
2nd FJ 06/20/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061719\
Data File : E1953.D
Acq On : 18 Jun 2019 4:53 am
Operator : D.LIPANI
Sample : R1905417-002|1.0 Inst : MSVOA10
Misc : PSI 6684 T4
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Jun 18 08:12:41 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration



TIC: E1953.D\data.ms

(47) Benzene (P)

5.854min (-0.012) 0.30 ug/L

response 2723

Ion	Exp%	Act%
78.00	100	100
51.00	18.80	24.13
52.00	18.00	10.84
0.00	0.00	0.00

Manual Integration:

Before

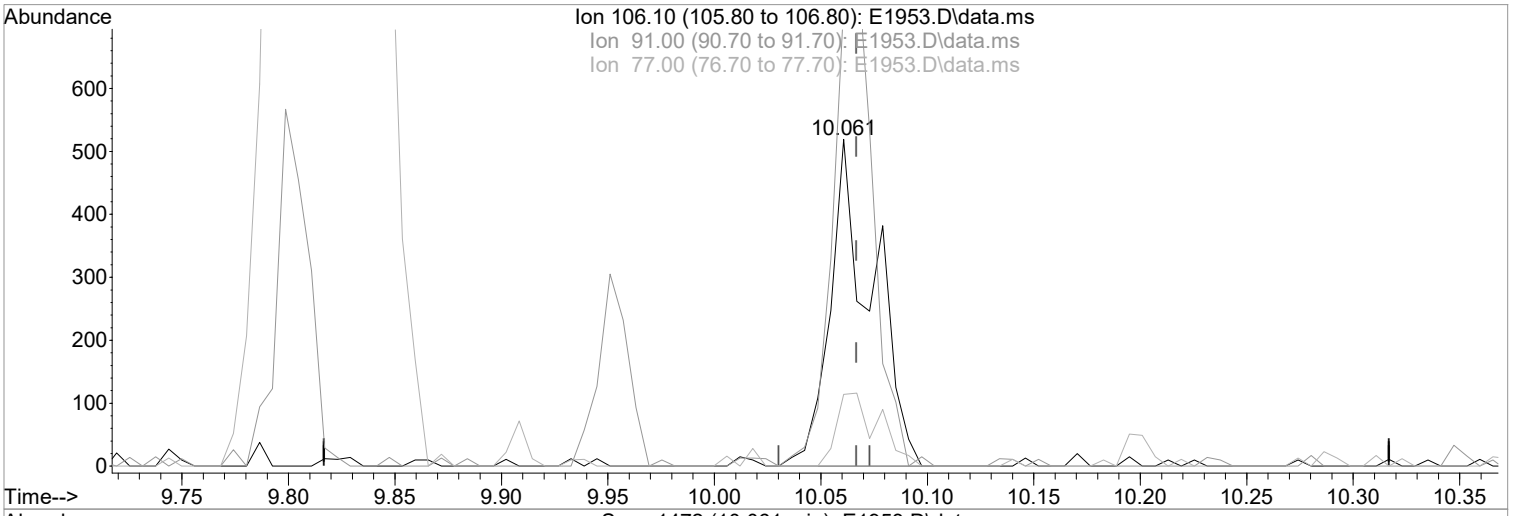
06/19/19

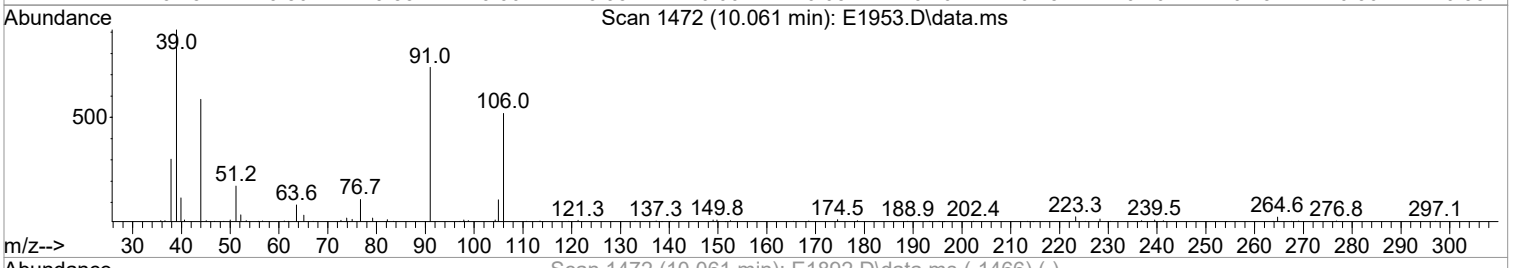
1st DL 06/19/19
2nd FW 06/20/19

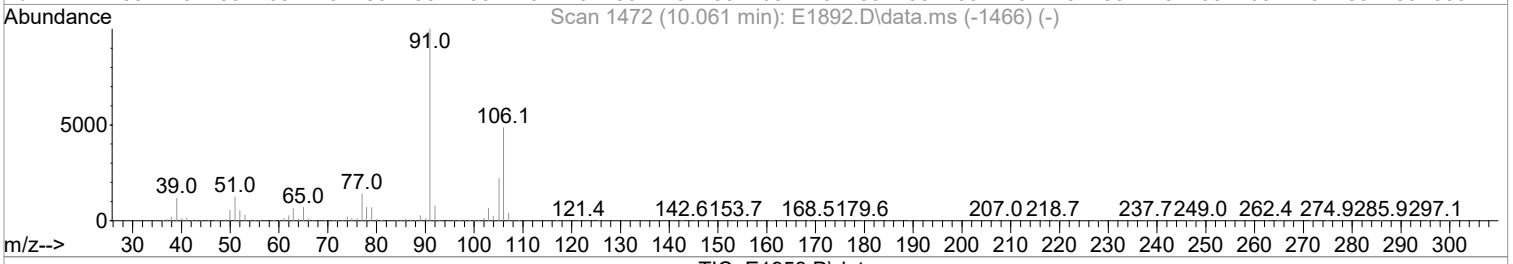
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061719\
Data File : E1953.D
Acq On : 18 Jun 2019 4:53 am
Operator : D.LIPANI
Sample : R1905417-002|1.0 Inst : MSVOA10
Misc : PSI 6684 T4
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Jun 18 08:12:41 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration







TIC: E1953.D\data.ms

(82) (m+p)Xylene (P)

10.061min (-0.006) 0.18 ug/L m

response 721

Ion	Exp%	Act%
106.10	100	100
91.00	206.10	141.62#
77.00	29.00	21.97
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

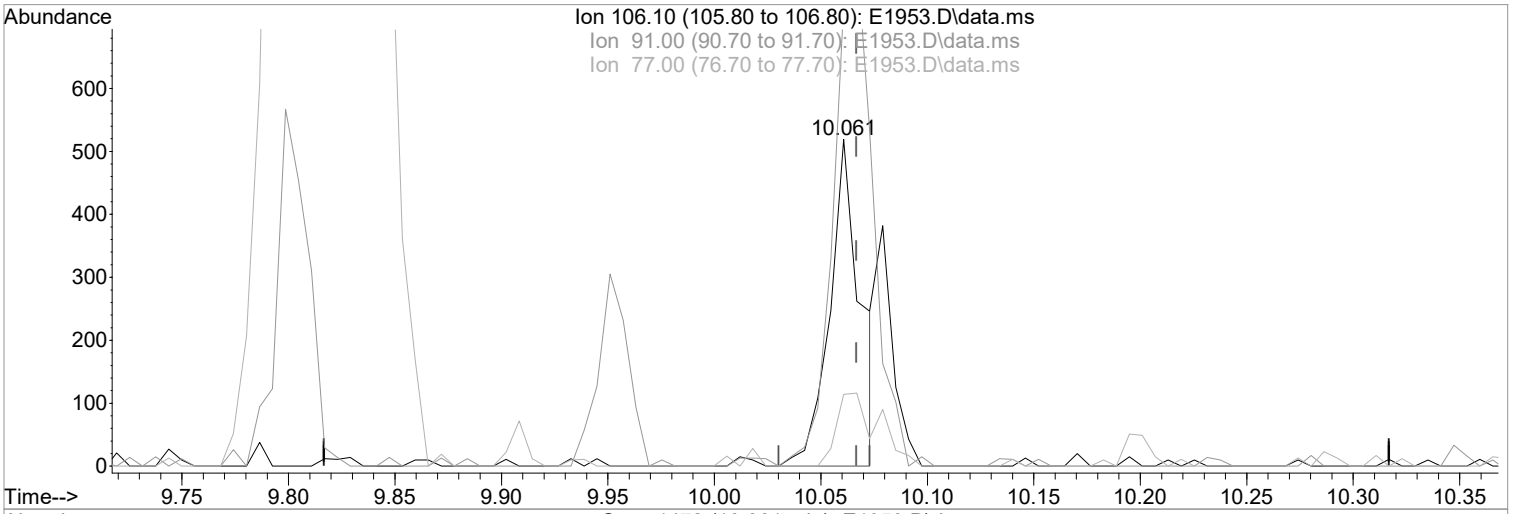
06/19/19

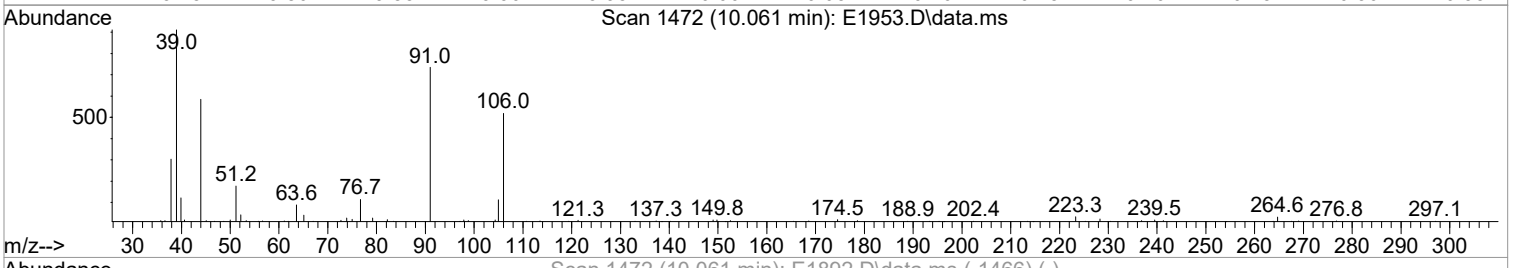
1st DL 06/19/19
2nd FW 06/20/19

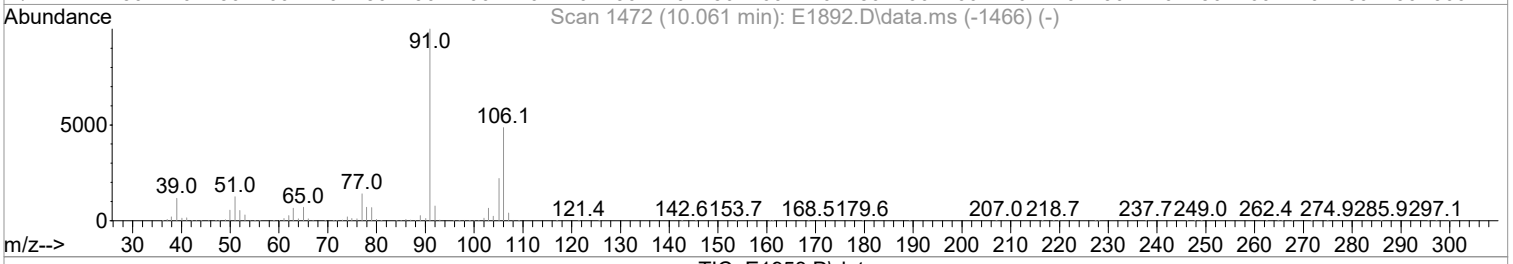
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061719\
Data File : E1953.D
Acq On : 18 Jun 2019 4:53 am
Operator : D.LIPANI
Sample : R1905417-002|1.0 Inst : MSVOA10
Misc : PSI 6684 T4
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Jun 18 08:12:41 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration







TIC: E1953.D\data.ms

(82) (m+p)Xylene (P)

10.061min (-0.006) 0.13 ug/L

response 520

Ion	Exp%	Act%
106.10	100	100
91.00	206.10	141.62#
77.00	29.00	21.97
0.00	0.00	0.00

Manual Integration:

Before

06/19/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061719\
Data File : E1953.D
Acq On : 18 Jun 2019 4:53 am
Operator : D.LIPANI
Sample : R1905417-002|1.0 Inst : MSVOA10
Misc : PSI 6684 T4
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Jun 19 16:34:09 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration

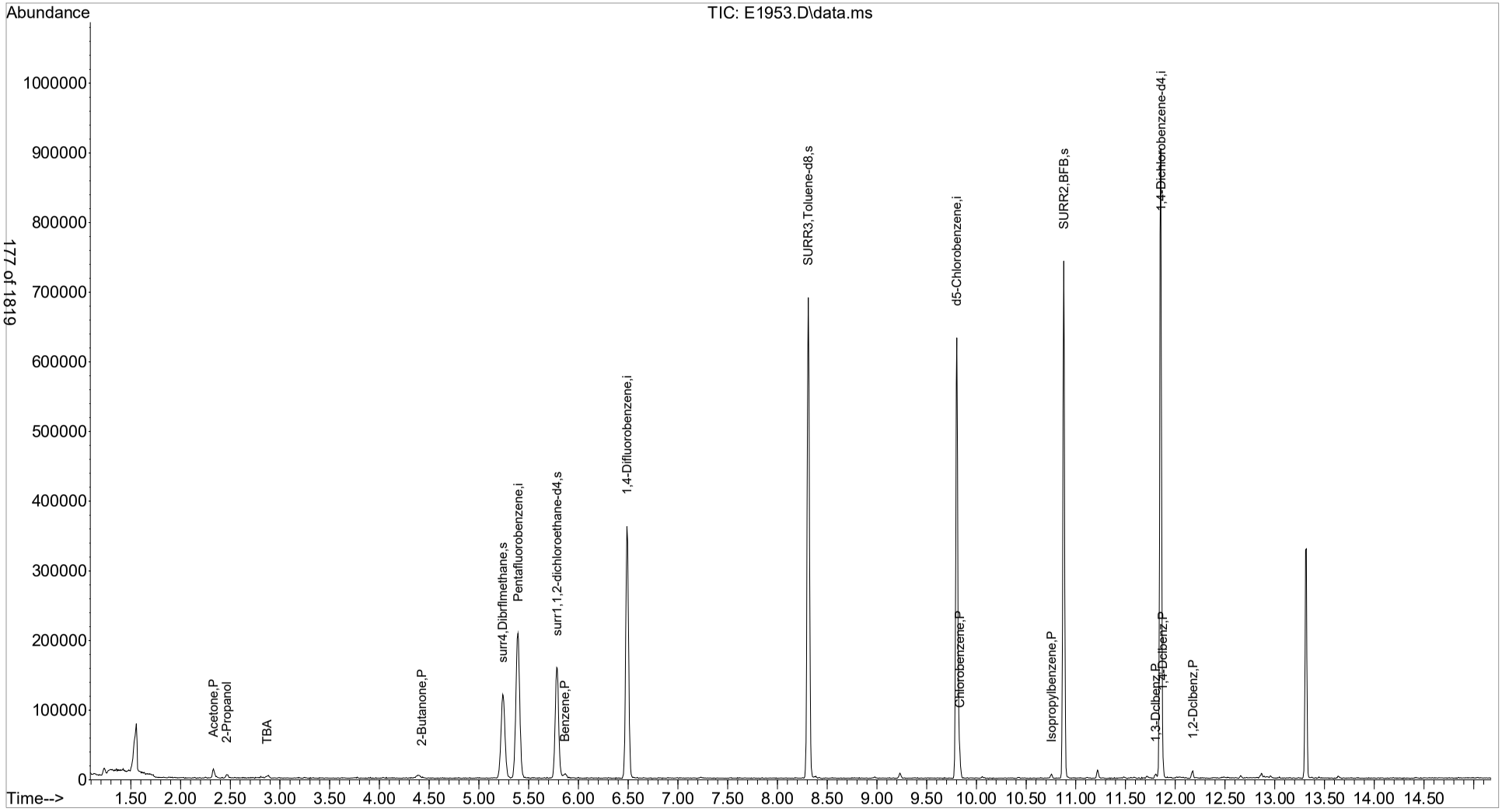
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.391	168	197726	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.488	114	299480	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.805	117	268750	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	172206	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.239	113	99916	51.02	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 102.04%			
46) surr1,1,2-dichloroetha...	5.781	65	136848	52.70	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 105.40%			
64) SURR3,Toluene-d8	8.311	98	405953	51.58	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 103.16%			
69) SURR2,BFB	10.878	95	171988	58.59	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 117.18%			
Target Compounds						Qvalue
15) Acetone	2.331	43	13420	13.34	ug/L	90
16) 2-Propanol	2.465	45	4988	32.07	ug/L	95
23) TBA	2.873	59	2205	9.50	ug/L	64
34) 2-Butanone	4.428	43	801	0.47	ug/L #	53
47) Benzene	5.866	78	5803m	0.63	ug/L	
78) Chlorobenzene	9.829	112	15600	2.61	ug/L	98
87) Isopropylbenzene	10.756	105	3274	0.33	ug/L	94
104) 1,3-Dclbenz	11.804	146	1254	0.22	ug/L #	82
105) 1,4-Dclbenz	11.871	146	7312	1.26	ug/L	95
109) 1,2-Dclbenz	12.176	146	2824	0.49	ug/L	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

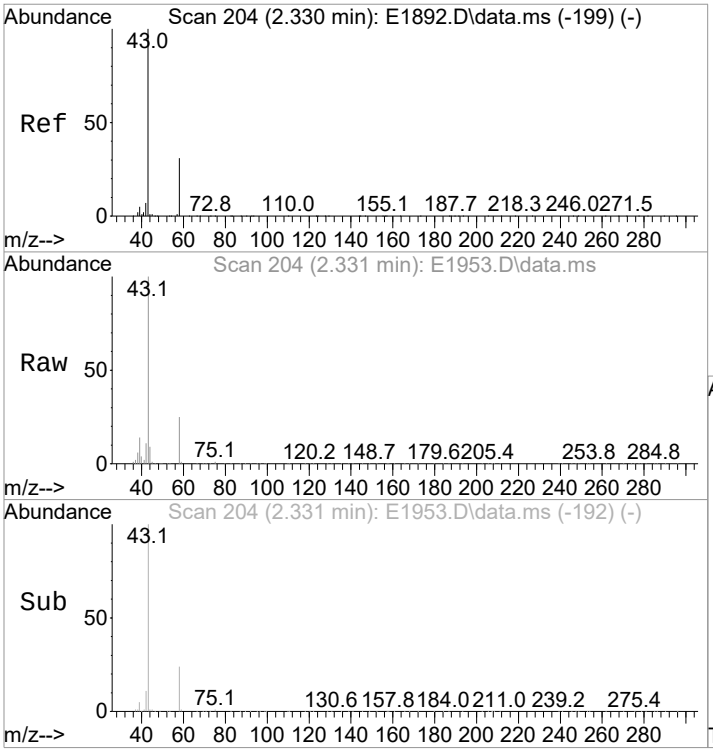
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061719\
Data File : E1953.D
Acq On : 18 Jun 2019 4:53 am
Operator : D.LIPANI
Sample : R1905417-002|1.0 Inst : MSVOA10
Misc : PSI 6684 T4
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Jun 19 16:34:09 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration



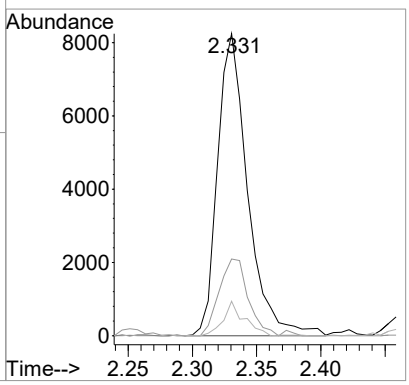
1st DL 06/19/19
2nd FJ 06/20/19

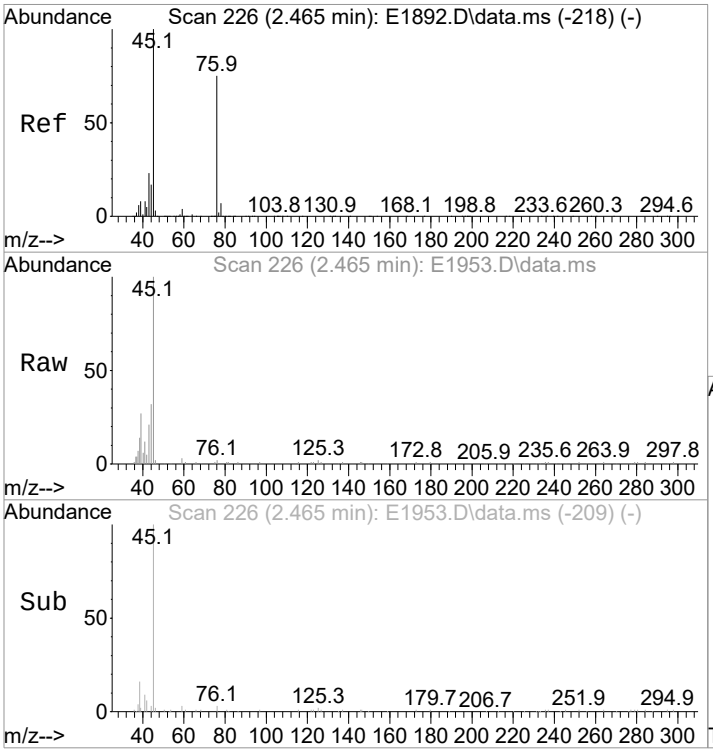


#15
Acetone
Concen: 13.34 ug/L
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: E1953.D
Acq: 18 Jun 2019 4:53 am

Tgt Ion: 43 Resp: 13420

Ion	Ratio	Lower	Upper
43	100		
58	25.4	10.8	50.8
42	11.4	0.0	26.9

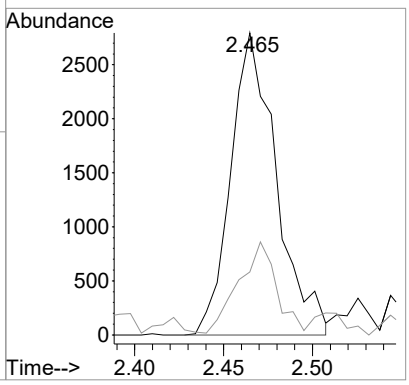


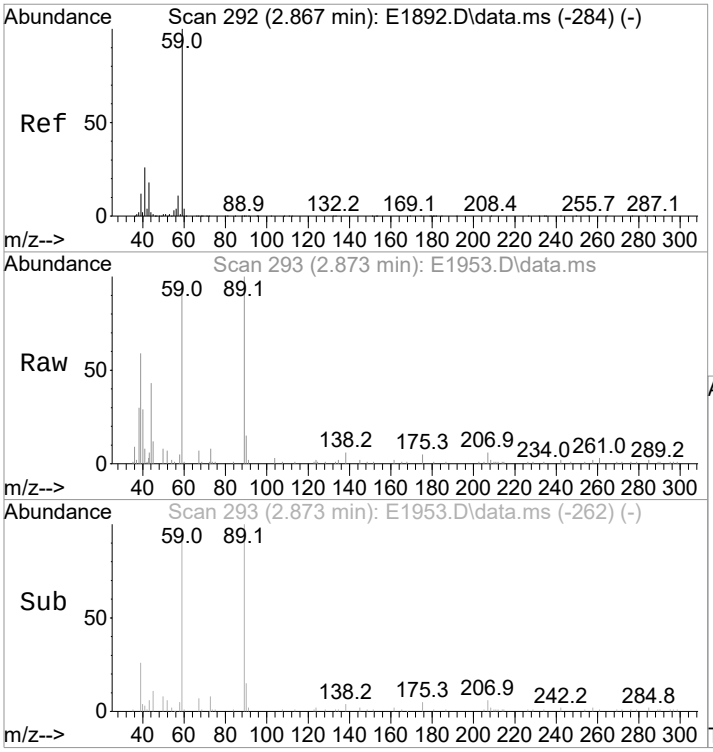


#16
2-Propanol
Concen: 32.07 ug/L
RT: 2.465 min Scan# 226
Delta R.T. -0.005 min
Lab File: E1953.D
Acq: 18 Jun 2019 4:53 am

Tgt Ion: 45 Resp: 4988

Ion	Ratio	Lower	Upper
45	100		
43	20.8	3.2	43.2

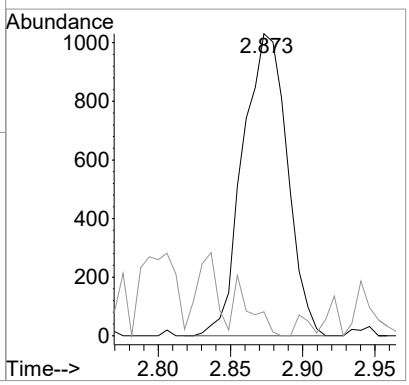


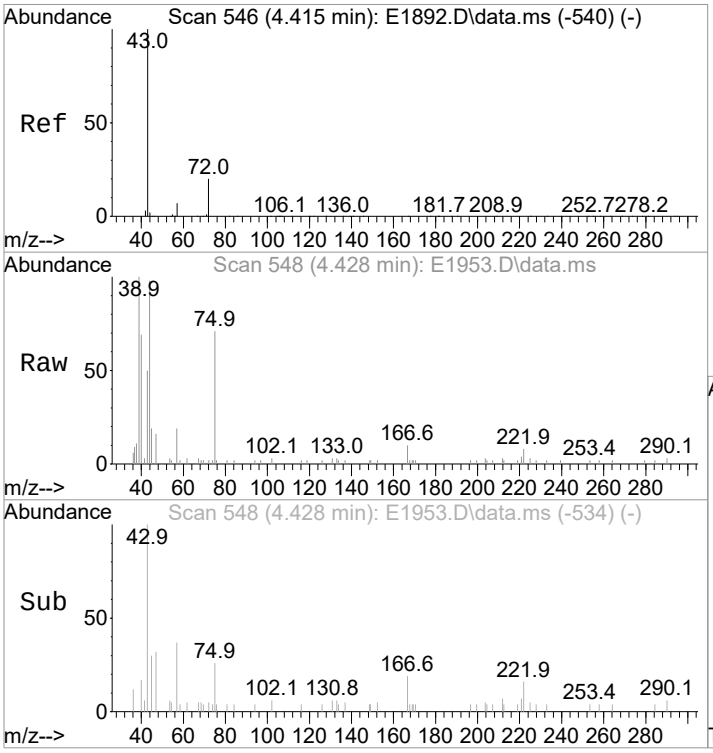


#23
TBA
Concen: 9.50 ug/L
RT: 2.873 min Scan# 293
Delta R.T. 0.000 min
Lab File: E1953.D
Acq: 18 Jun 2019 4:53 am

Tgt Ion: 59 Resp: 2205

Ion	Ratio	Lower	Upper
59	100		
41	8.0	6.3	46.3

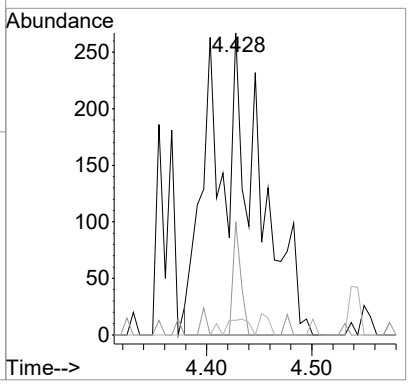


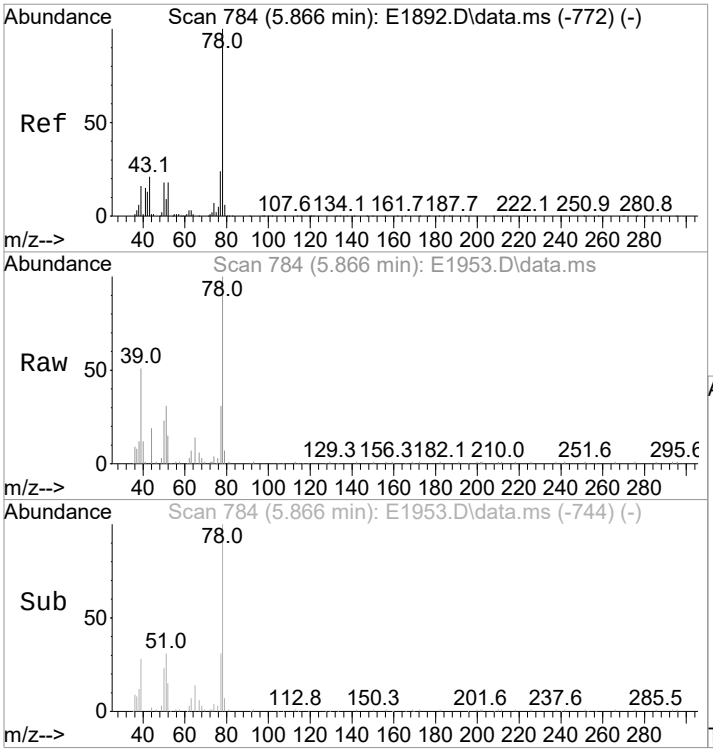


#34
2-Butanone
Concen: 0.47 ug/L
RT: 4.428 min Scan# 548
Delta R.T. 0.012 min
Lab File: E1953.D
Acq: 18 Jun 2019 4:53 am

Tgt Ion: 43 Resp: 801

Ion	Ratio	Lower	Upper
43	100		
57	37.5	0.0	26.7#
72	4.9	0.1	40.1

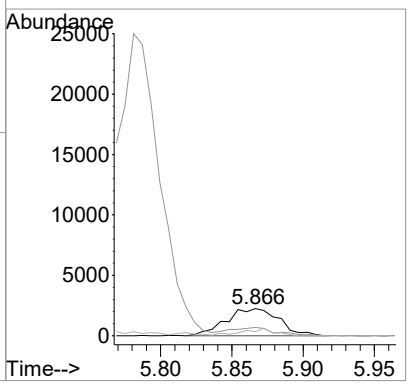


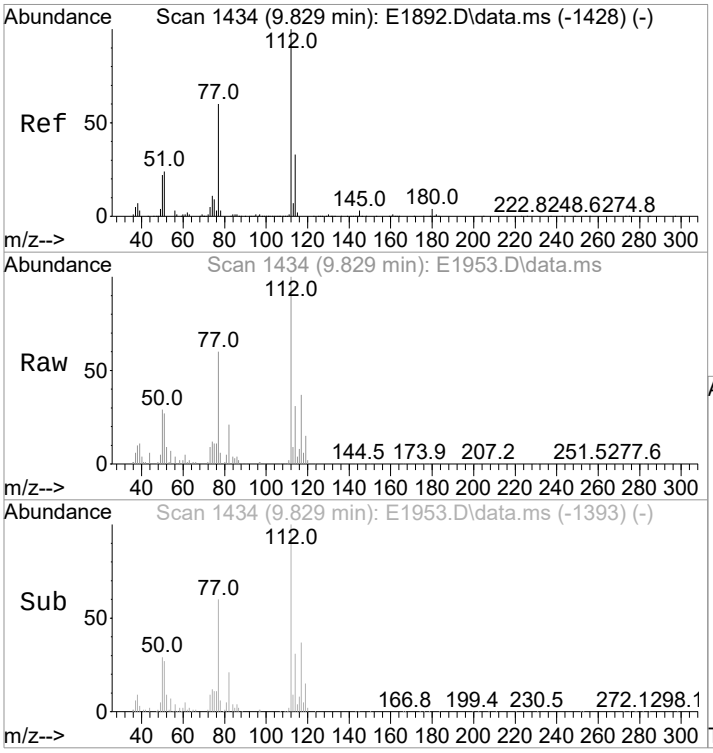


#47
Benzene
Concen: 0.63 ug/L m
RT: 5.866 min Scan# 784
Delta R.T. 0.000 min
Lab File: E1953.D
Acq: 18 Jun 2019 4:53 am

Tgt Ion: 78 Resp: 5803

Ion	Ratio	Lower	Upper
78	100		
51	30.9	0.0	38.8
52	14.8	0.0	38.0

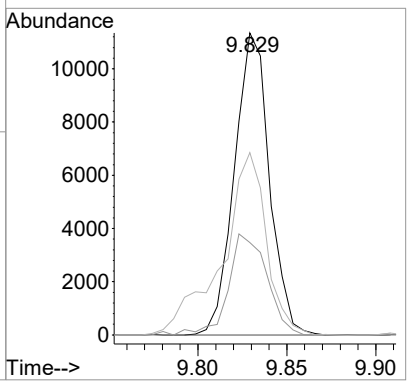


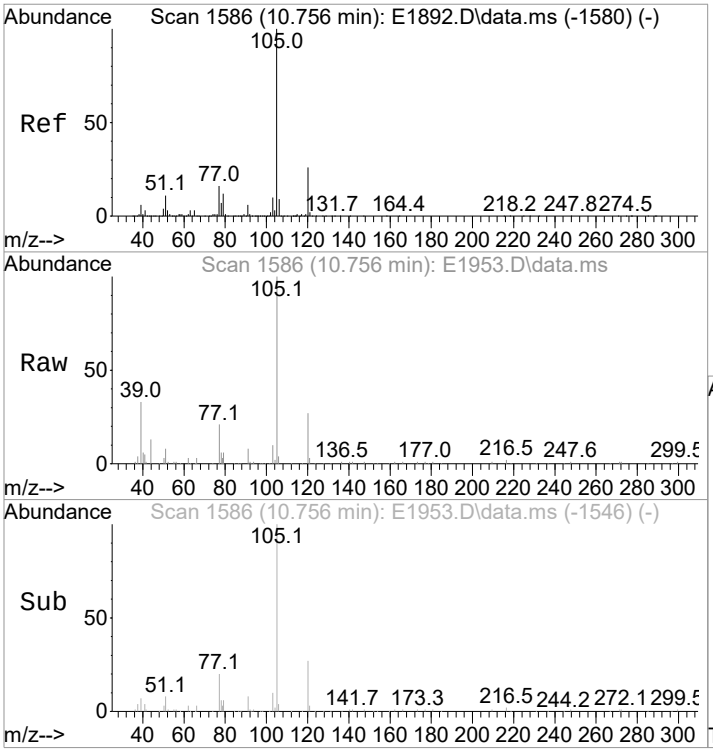


#78
Chlorobenzene
Concen: 2.61 ug/L
RT: 9.829 min Scan# 1434
Delta R.T. 0.000 min
Lab File: E1953.D
Acq: 18 Jun 2019 4:53 am

Tgt Ion:112 Resp: 15600

Ion	Ratio	Lower	Upper
112	100		
114	30.6	13.0	53.0
77	60.4	40.3	80.3

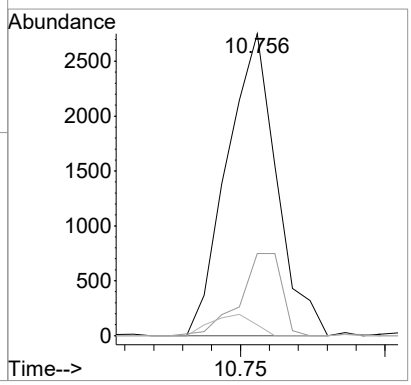


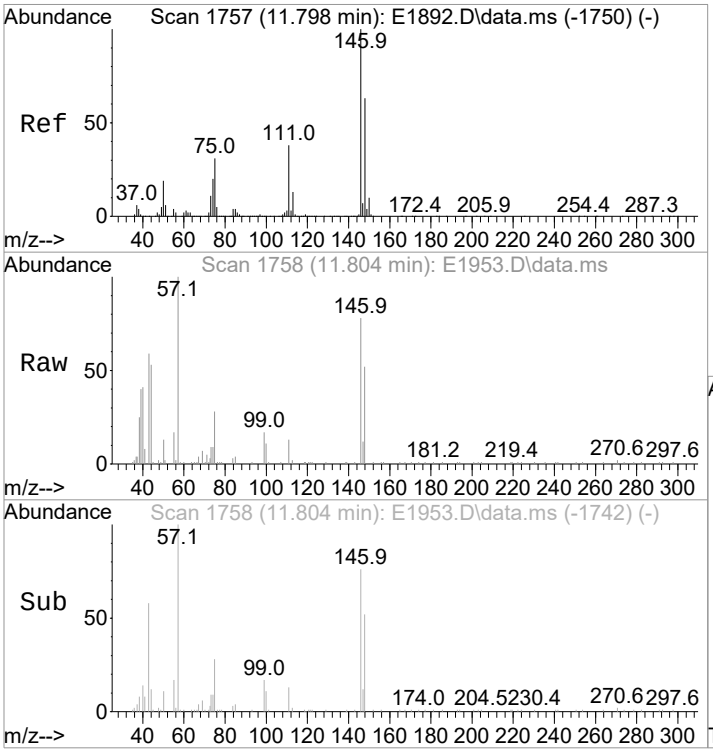


#87
Isopropylbenzene
Concen: 0.33 ug/L
RT: 10.756 min Scan# 1586
Delta R.T. 0.000 min
Lab File: E1953.D
Acq: 18 Jun 2019 4:53 am

Tgt Ion:105 Resp: 3274

Ion	Ratio	Lower	Upper
105	100		
120	27.2	5.6	45.6
106	3.5	0.0	28.8

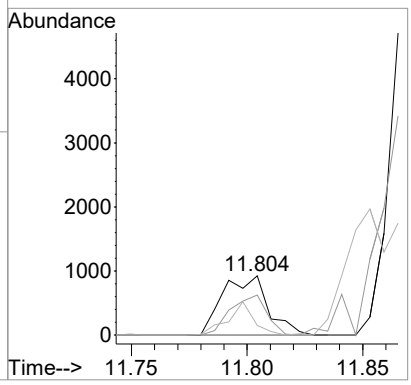


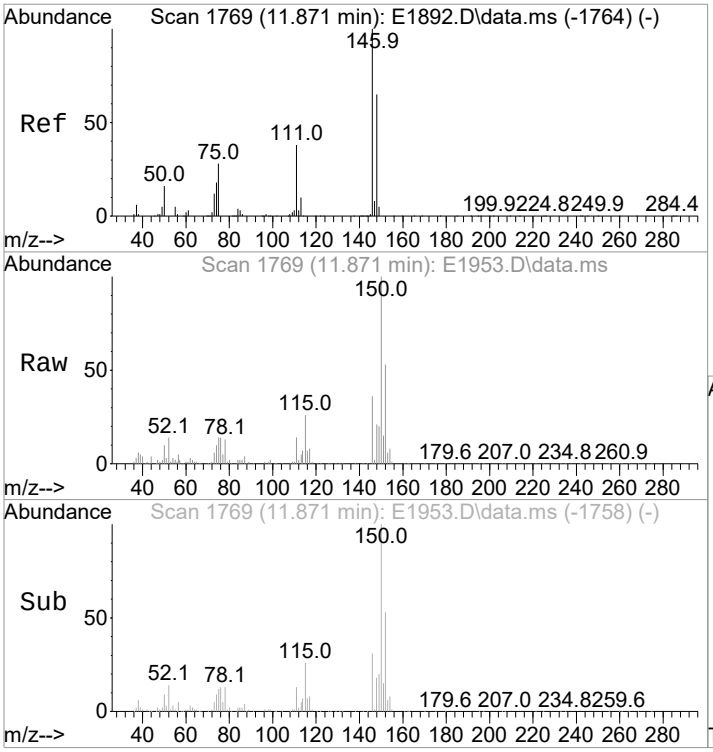


#104
1,3-Dclbenz
Concen: 0.22 ug/L
RT: 11.804 min Scan# 1758
Delta R.T. 0.006 min
Lab File: E1953.D
Acq: 18 Jun 2019 4:53 am

Tgt Ion:146 Resp: 1254

Ion	Ratio	Lower	Upper
146	100		
148	67.7	43.1	83.1
111	16.2	18.5	58.5#

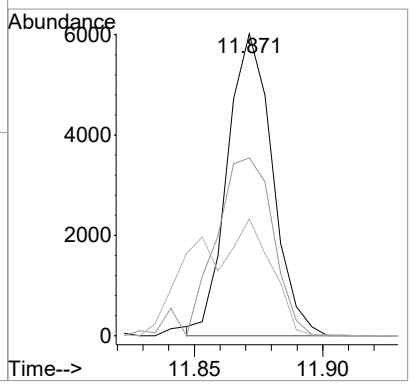


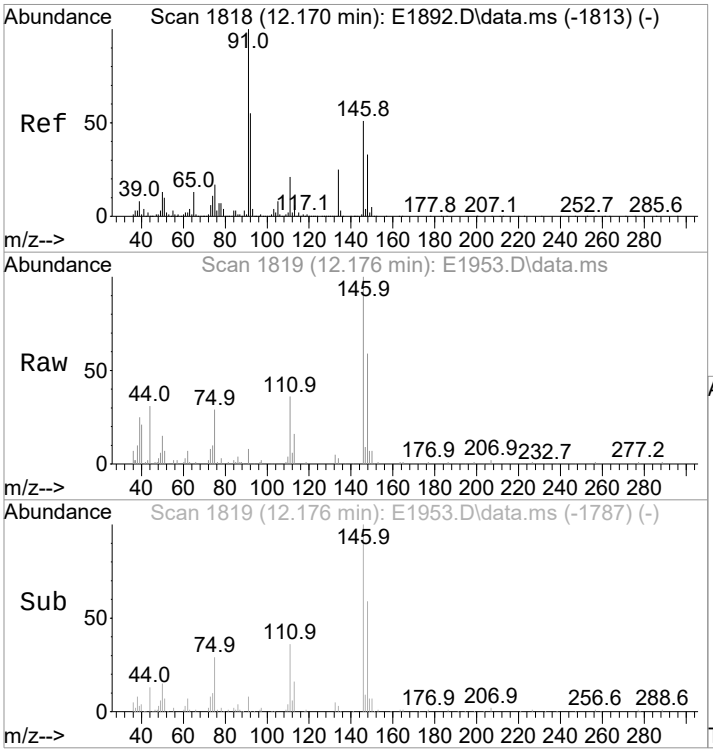


#105
1,4-Dclbenz
Concen: 1.26 ug/L
RT: 11.871 min Scan# 1769
Delta R.T. 0.000 min
Lab File: E1953.D
Acq: 18 Jun 2019 4:53 am

Tgt Ion:146 Resp: 7312

Ion	Ratio	Lower	Upper
146	100		
148	58.9	44.7	84.7
111	38.7	18.3	58.3

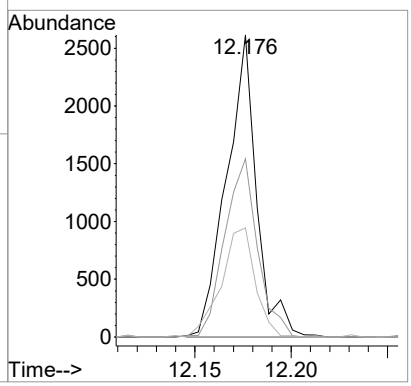




#109
1,2-Dclbenz
Concen: 0.49 ug/L
RT: 12.176 min Scan# 1819
Delta R.T. 0.000 min
Lab File: E1953.D
Acq: 18 Jun 2019 4:53 am

Tgt Ion:146 Resp: 2824

Ion	Ratio	Lower	Upper
146	100		
148	59.0	44.1	84.1
111	36.1	21.3	61.3



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061719\
Data File : E1961.D
Acq On : 18 Jun 2019 7:48 am
Operator : D.LIPANI
Sample : R1905417-003|25 Inst : MSVOA10
Misc : PSI 6684 T4
ALS Vial : 61 Sample Multiplier: 1

Quant Time: Jun 19 16:49:52 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration

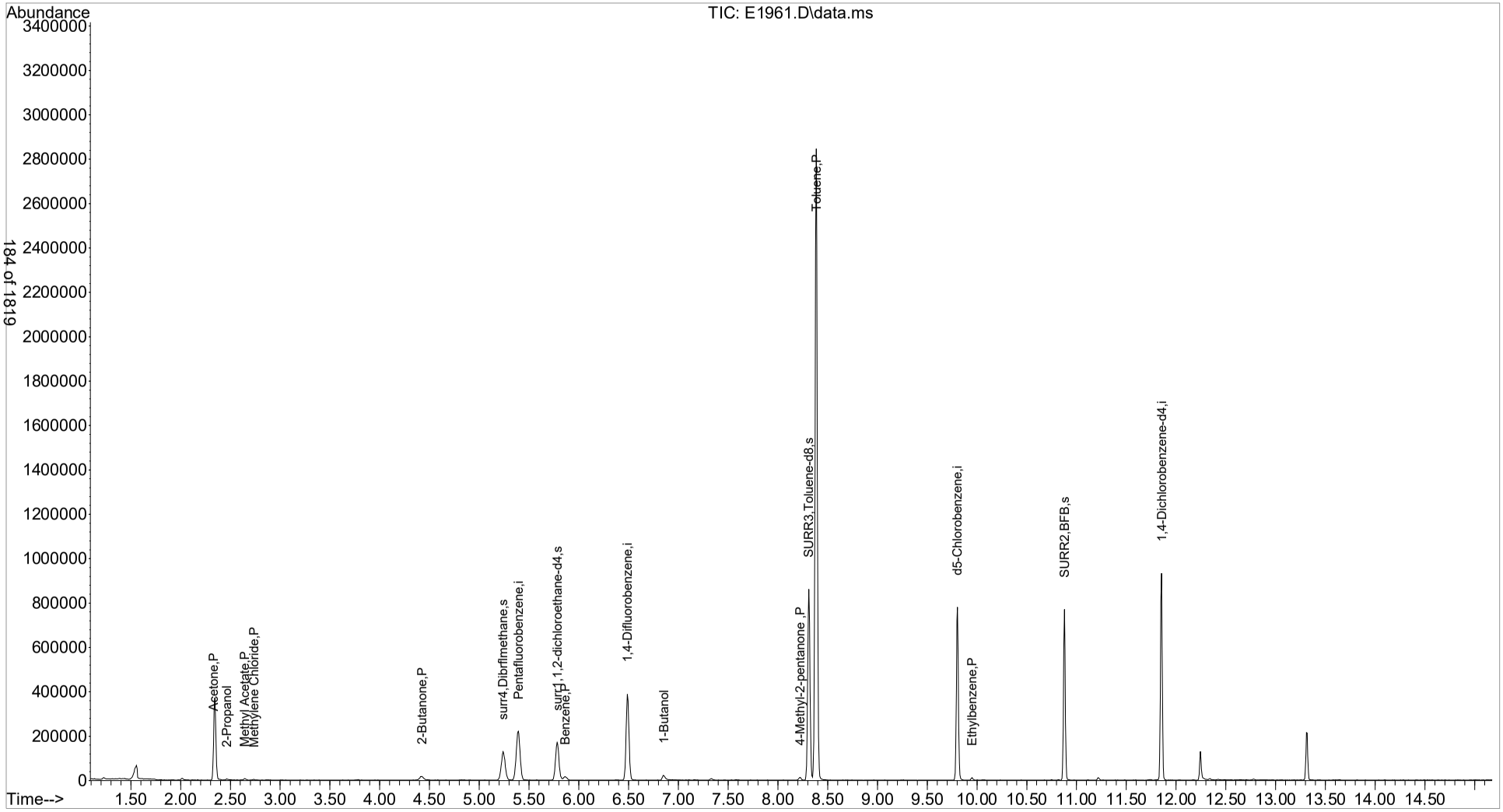
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.391	168	207243	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.488	114	316301	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.805	117	328139	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	176056	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.238	113	105159	50.84	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 101.68%			
46) surr1,1,2-dichloroetha...	5.781	65	143979	52.50	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 105.00%			
64) SURR3,Toluene-d8	8.311	98	501522	60.33	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 120.66%			
69) SURR2,BFB	10.878	95	179935	58.04	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 116.08%			
Target Compounds						Qvalue
15) Acetone	2.330	43	24287	23.04	ug/L	96
16) 2-Propanol	2.465	45	4673	28.69	ug/L	93
21) Methyl Acetate	2.641	43	7656	2.78	ug/L	92
22) Methylene Chloride	2.733	84	1083	0.48	ug/L #	84
34) 2-Butanone	4.421	43	31243	17.67	ug/L	91
47) Benzene	5.866	78	16168	1.67	ug/L	97
52) 1-Butanol	6.854	56	13235	185.42	ug/L #	74
63) 4-Methyl-2-pentanone	8.226	43	8307	2.30	ug/L	96
65) Toluene	8.384	91	1770732	176.47	ug/L	98
81) Ethylbenzene	9.951	106	1697	0.44	ug/L #	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

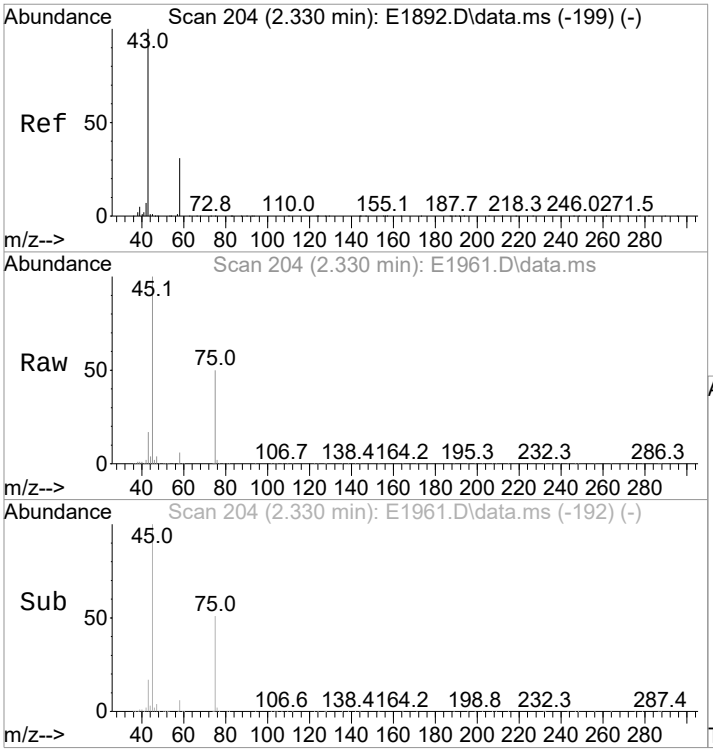
Data Path : I:\ACQUDATA\msvoa10\data\061719\
Data File : E1961.D
Acq On : 18 Jun 2019 7:48 am
Operator : D.LIPANI
Sample : R1905417-003|25 Inst : MSVOA10
Misc : PSI 6684 T4
ALS Vial : 61 Sample Multiplier: 1

Quant Time: Jun 19 16:49:52 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration



184 of 1819

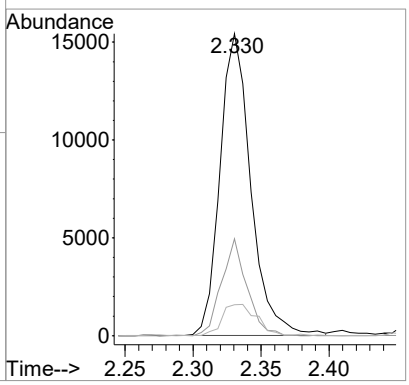
1st DL 06/19/19
2nd FJ 06/20/19

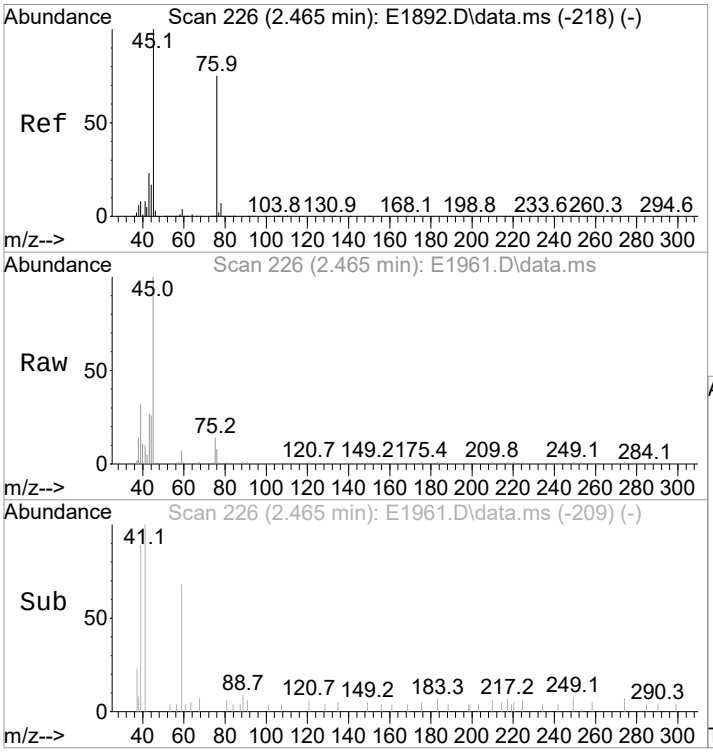


#15
Acetone
Concen: 23.04 ug/L
RT: 2.330 min Scan# 204
Delta R.T. -0.000 min
Lab File: E1961.D
Acq: 18 Jun 2019 7:48 am

Tgt Ion: 43 Resp: 24287

Ion	Ratio	Lower	Upper
43	100		
58	32.0	10.8	50.8
42	10.3	0.0	26.9

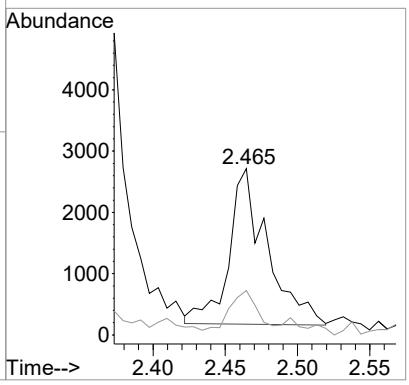


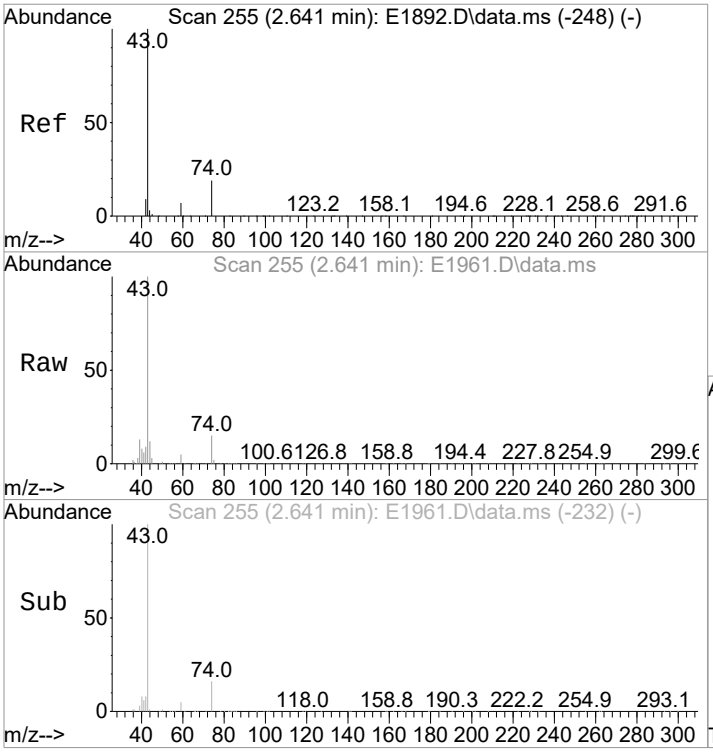


#16
2-Propanol
Concen: 28.69 ug/L
RT: 2.465 min Scan# 226
Delta R.T. -0.005 min
Lab File: E1961.D
Acq: 18 Jun 2019 7:48 am

Tgt Ion: 45 Resp: 4673

Ion	Ratio	Lower	Upper
45	100		
43	26.6	3.2	43.2

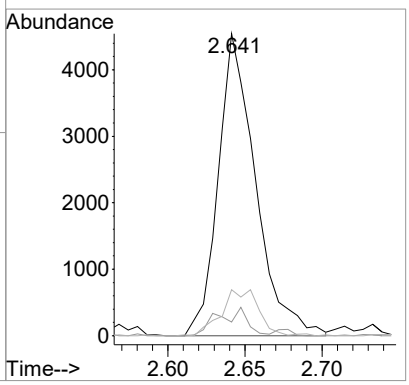


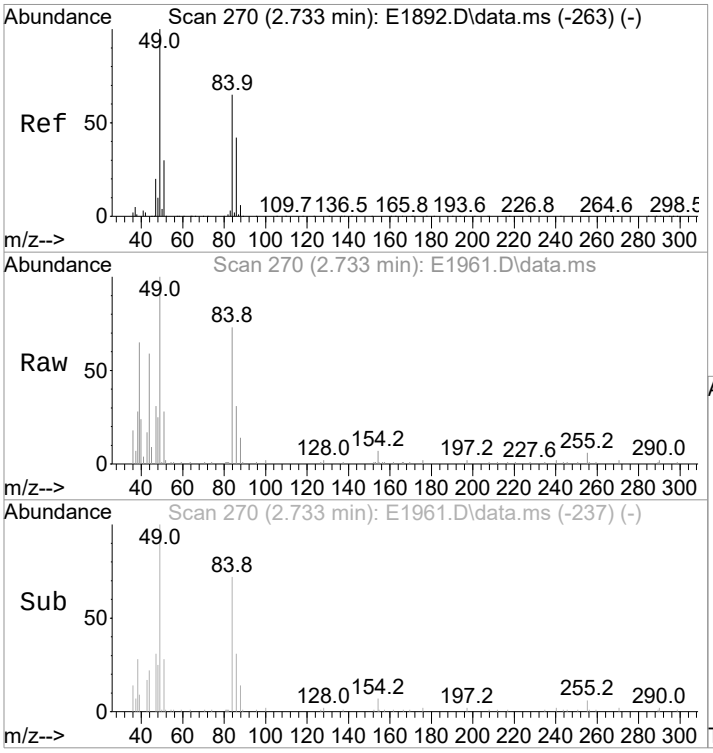


#21
Methyl Acetate
Concen: 2.78 ug/L
RT: 2.641 min Scan# 255
Delta R.T. -0.000 min
Lab File: E1961.D
Acq: 18 Jun 2019 7:48 am

Tgt Ion: 43 Resp: 7656

Ion	Ratio	Lower	Upper
43	100		
59	4.5	0.0	27.1
74	15.2	0.0	39.2

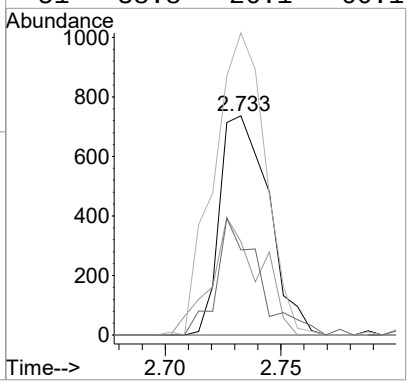


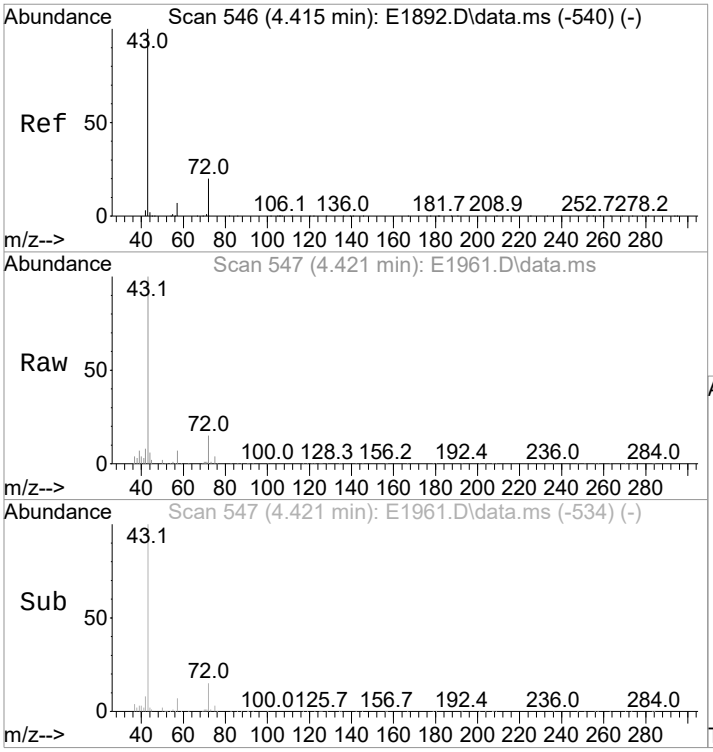


#22
Methylene Chloride
Concen: 0.48 ug/L
RT: 2.733 min Scan# 270
Delta R.T. -0.000 min
Lab File: E1961.D
Acq: 18 Jun 2019 7:48 am

Tgt Ion: 84 Resp: 1083

Ion	Ratio	Lower	Upper
84	100		
86	42.6	44.2	84.2#
49	137.7	133.5	173.5
51	38.8	26.1	66.1

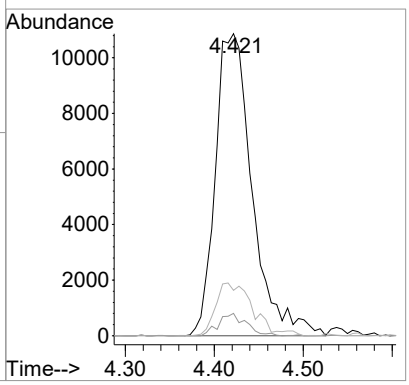


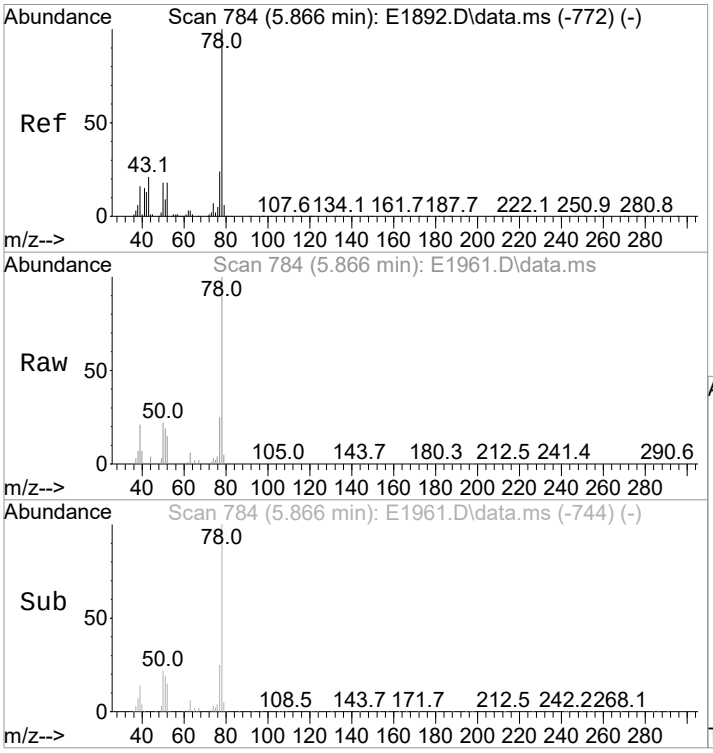


#34
2-Butanone
Concen: 17.67 ug/L
RT: 4.421 min Scan# 547
Delta R.T. 0.006 min
Lab File: E1961.D
Acq: 18 Jun 2019 7:48 am

Tgt Ion: 43 Resp: 31243

Ion	Ratio	Lower	Upper
43	100		
57	7.4	0.0	26.7
72	15.0	0.1	40.1

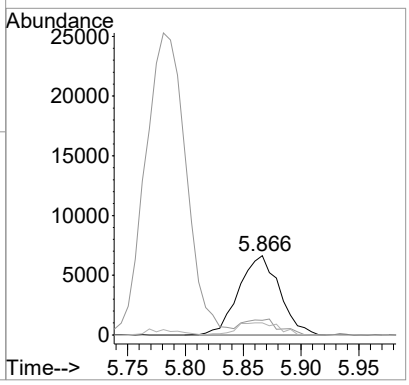


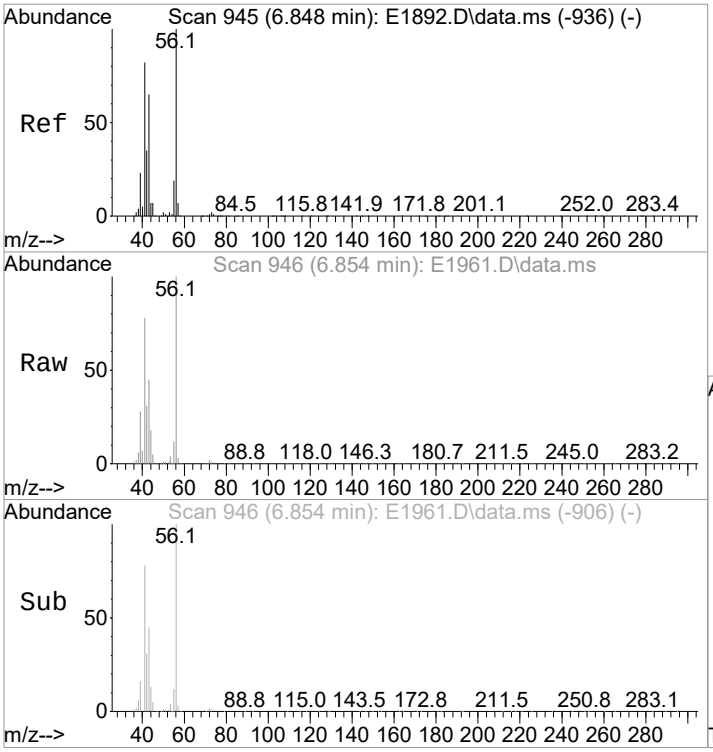


#47
Benzene
Concen: 1.67 ug/L
RT: 5.866 min Scan# 784
Delta R.T. -0.000 min
Lab File: E1961.D
Acq: 18 Jun 2019 7:48 am

Tgt Ion: 78 Resp: 16168

Ion	Ratio	Lower	Upper
78	100		
51	18.6	0.0	38.8
52	15.4	0.0	38.0

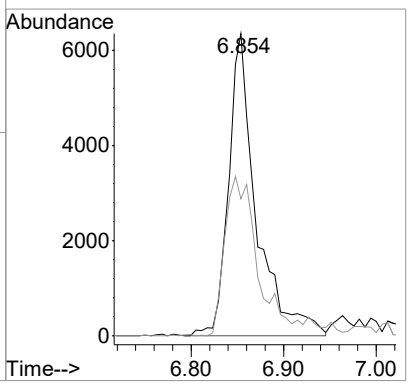


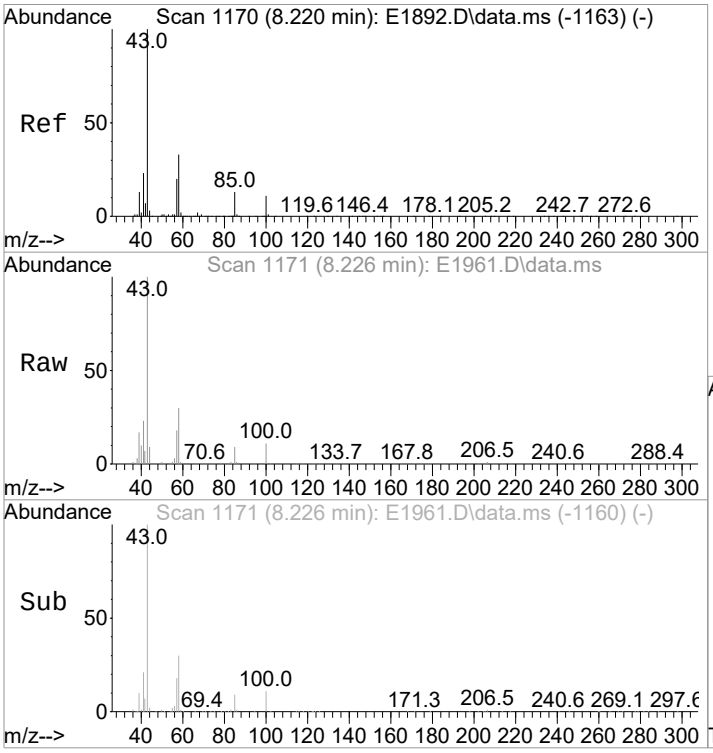


#52
1-Butanol
Concen: 185.42 ug/L
RT: 6.854 min Scan# 946
Delta R.T. -0.006 min
Lab File: E1961.D
Acq: 18 Jun 2019 7:48 am

Tgt Ion: 56 Resp: 13235

Ion	Ratio	Lower	Upper
56	100		
43	45.3	45.6	85.6#

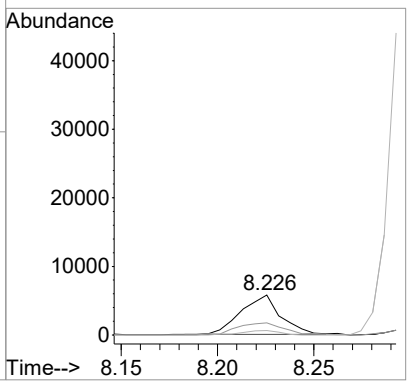


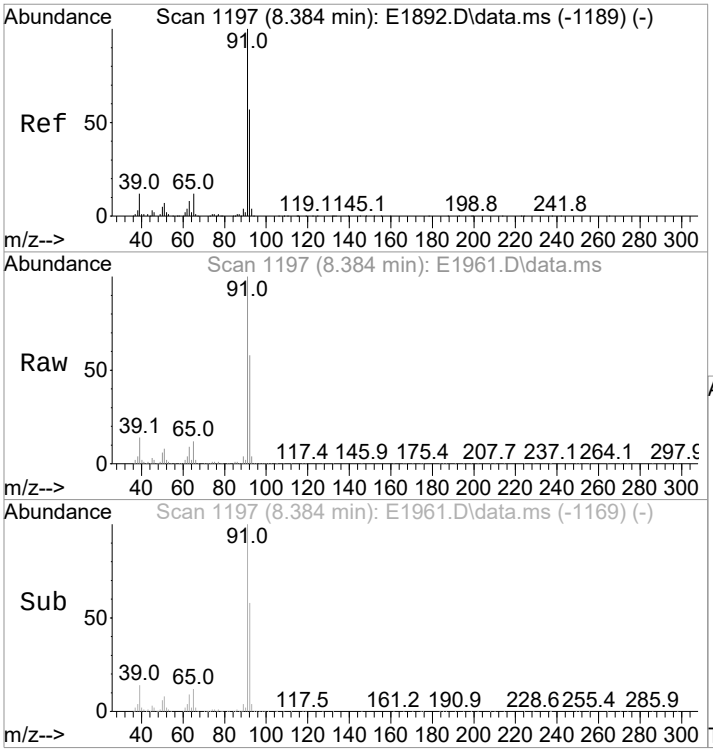


#63
4-Methyl-2-pentanone
Concen: 2.30 ug/L
RT: 8.226 min Scan# 1171
Delta R.T. 0.006 min
Lab File: E1961.D
Acq: 18 Jun 2019 7:48 am

Tgt Ion: 43 Resp: 8307

Ion	Ratio	Lower	Upper
43	100		
58	30.1	13.2	53.2
100	11.2	0.0	31.3

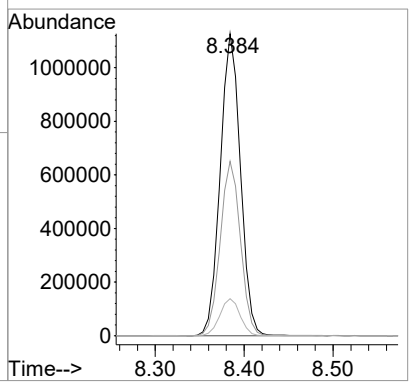


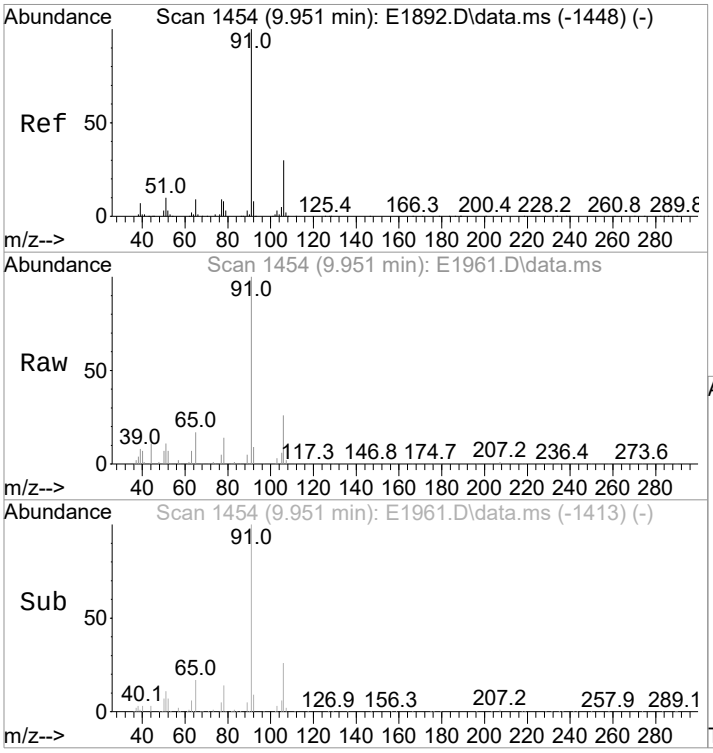


#65
Toluene
Concen: 176.47 ug/L
RT: 8.384 min Scan# 1197
Delta R.T. -0.000 min
Lab File: E1961.D
Acq: 18 Jun 2019 7:48 am

Tgt Ion: 91 Resp: 1770732

Ion	Ratio	Lower	Upper
91	100		
92	57.7	36.5	76.5
65	12.3	0.0	31.7

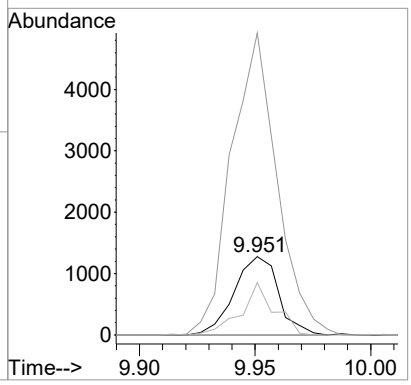




#81
Ethylbenzene
Concen: 0.44 ug/L
RT: 9.951 min Scan# 1454
Delta R.T. -0.000 min
Lab File: E1961.D
Acq: 18 Jun 2019 7:48 am

Tgt Ion:106 Resp: 1697

Ion	Ratio	Lower	Upper
106	100		
91	386.0	308.5	348.5#
65	67.1	10.0	50.0#



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061819\
Data File : E1973.D
Acq On : 18 Jun 2019 1:30 pm
Operator : D.LIPANI
Sample : R1905417-004|1.0 Inst : MSVOA10
Misc : PSI 6684 T4
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 20 19:15:53 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration

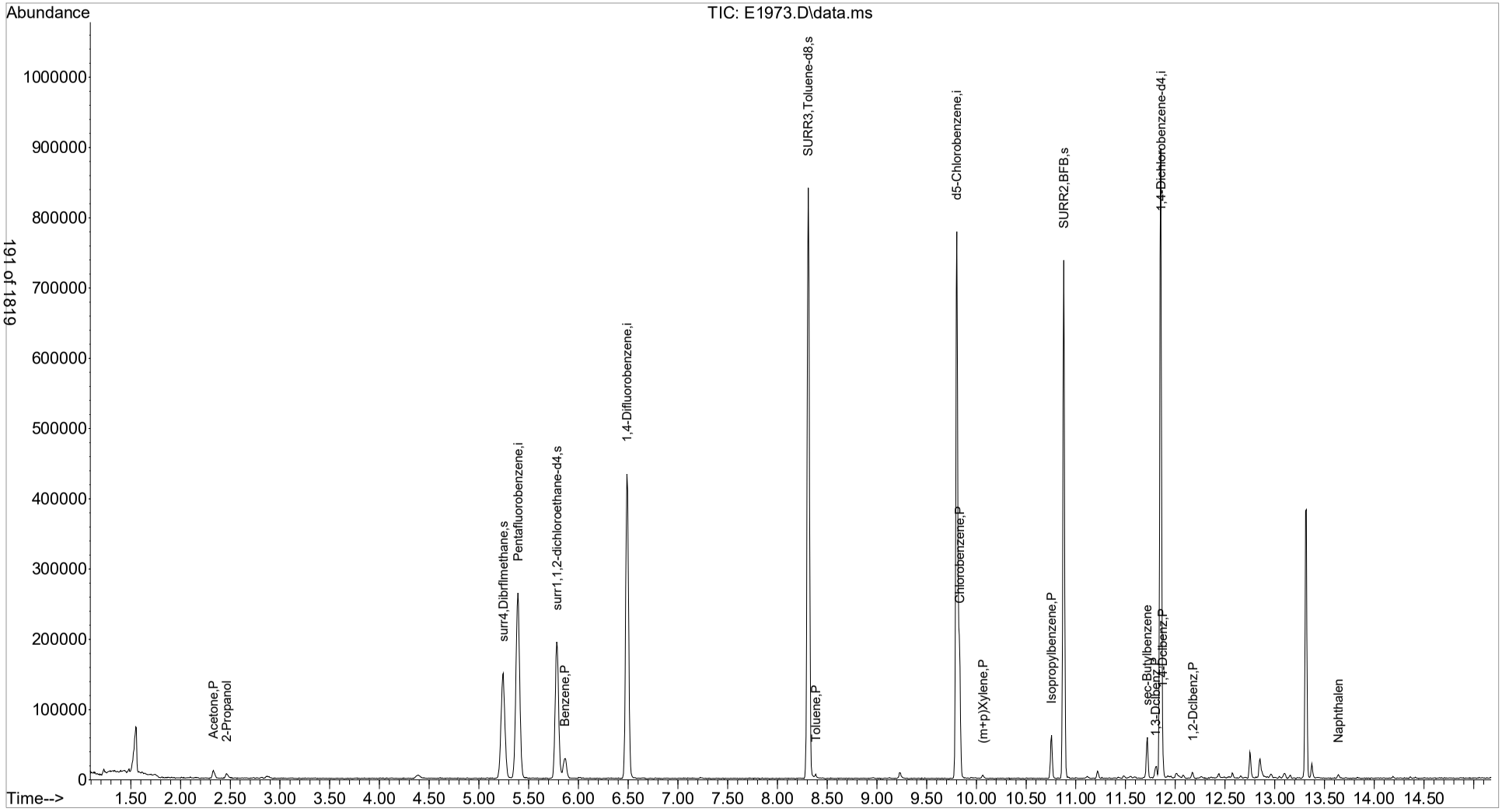
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.391	168	246976	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.488	114	364809	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	319226	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	168510	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.245	113	121954	51.12	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 102.24%				
46) surr1,1,2-dichloroetha...	5.781	65	165985	52.48	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 104.96%				
64) SURR3,Toluene-d8	8.311	98	487923	50.89	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.78%				
69) SURR2,BFB	10.878	95	174064	48.68	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 97.36%				
Target Compounds							Qvalue
5) Bromomethane	1.593	94	500	Below Cal			100
6) Chloroethane	1.733	64	275	Below Cal		#	47
15) Acetone	2.330	43	10488	8.35	ug/L		91
16) 2-Propanol	2.465	45	6982	35.90	ug/L		92
47) Benzene	5.866	78	29255	2.63	ug/L		96
65) Toluene	8.384	91	2518	0.22	ug/L		87
78) Chlorobenzene	9.829	112	76212	10.73	ug/L		98
82) (m+p)Xylene	10.067	106	1266	0.27	ug/L	#	83
87) Isopropylbenzene	10.756	105	29021	2.48	ug/L		92
102) sec-Butylbenzene	11.719	105	30794	2.59	ug/L		94
104) 1,3-Dclbenz	11.798	146	3261	0.58	ug/L		94
105) 1,4-Dclbenz	11.871	146	9365	1.65	ug/L		91
109) 1,2-Dclbenz	12.176	146	2077	0.37	ug/L		92
116) Naphthalen	13.639	128	2904	0.28	ug/L		91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

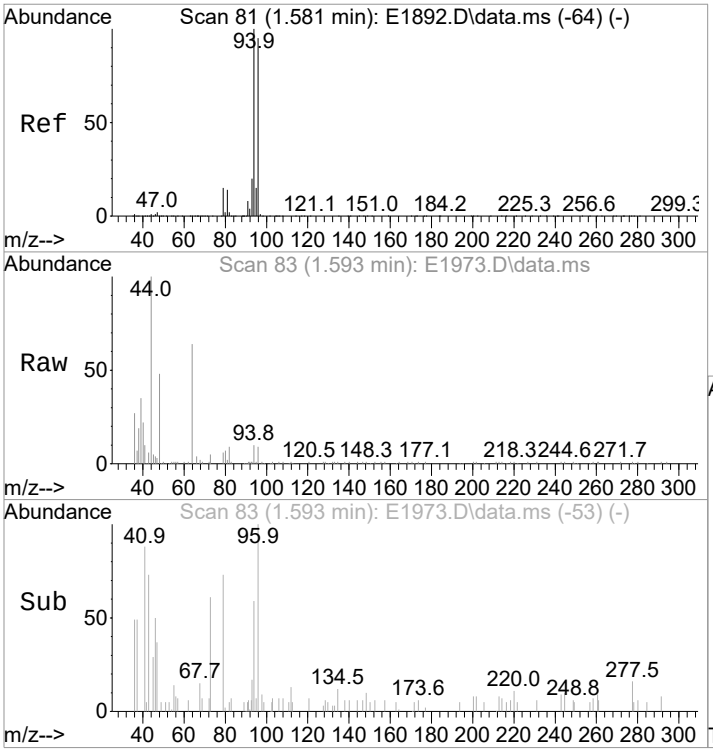
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061819\
Data File : E1973.D
Acq On : 18 Jun 2019 1:30 pm
Operator : D.LIPANI
Sample : R1905417-004|1.0 Inst : MSVOA10
Misc : PSI 6684 T4
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 20 19:15:53 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration



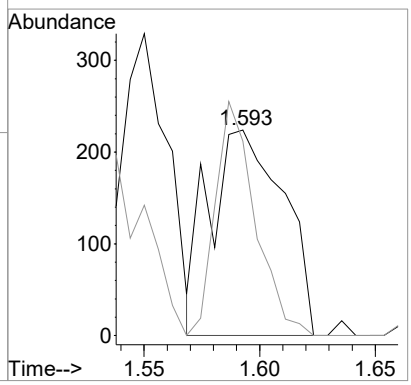
1st DL 06/21/19
2nd FJ 06/21/19

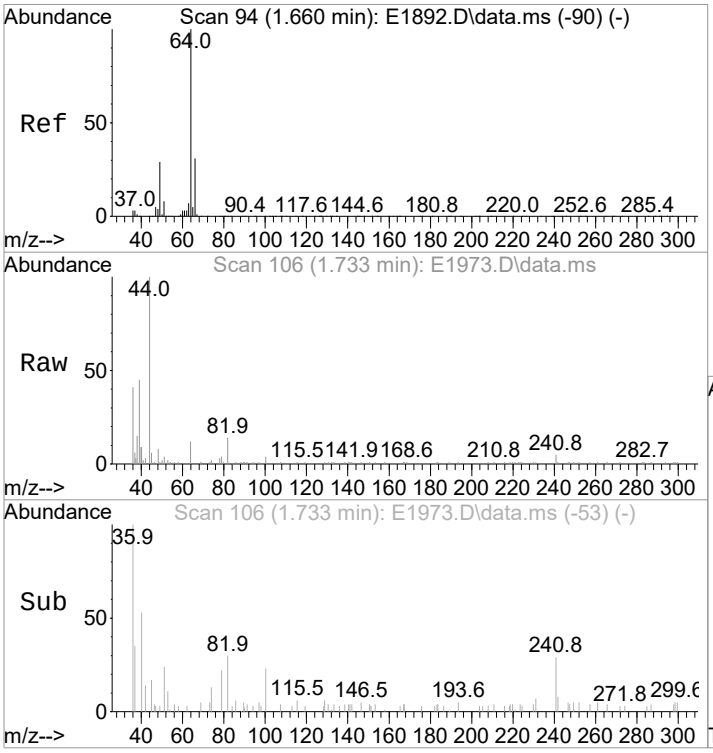


#5
Bromomethane
Concen: Below Cal
RT: 1.593 min Scan# 83
Delta R.T. 0.019 min
Lab File: E1973.D
Acq: 18 Jun 2019 1:30 pm

Tgt Ion: 94 Resp: 500

Ion	Ratio	Lower	Upper
94	100		
96	94.6	74.7	114.7

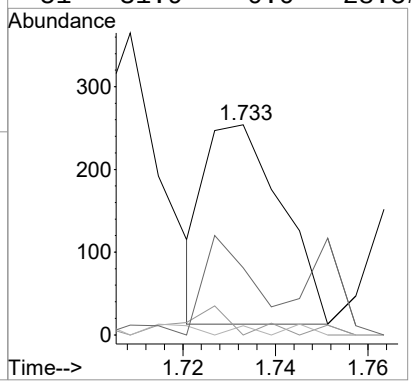


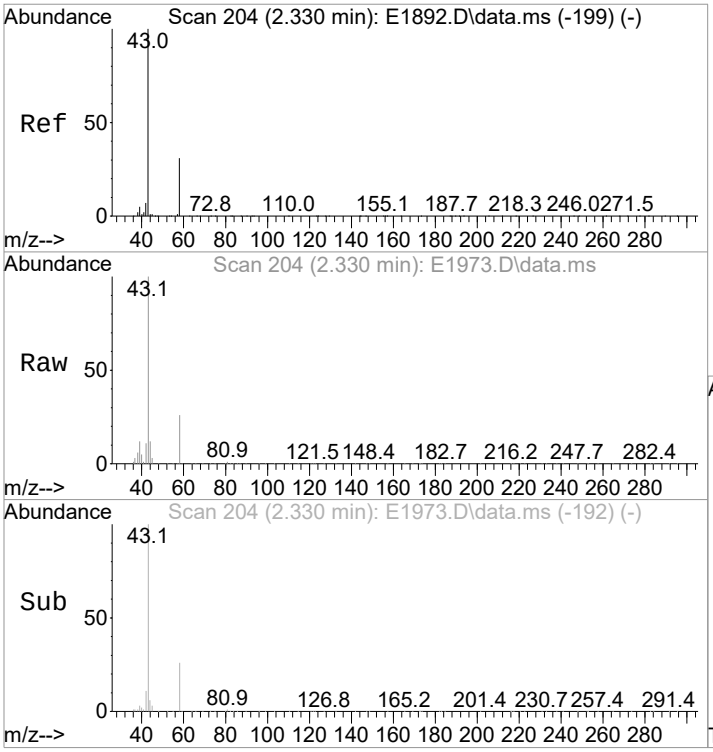


#6
Chloroethane
Concen: Below Cal
RT: 1.733 min Scan# 106
Delta R.T. 0.080 min
Lab File: E1973.D
Acq: 18 Jun 2019 1:30 pm

Tgt Ion: 64 Resp: 275

Ion	Ratio	Lower	Upper
64	100		
66	0.0	10.7	50.7#
49	4.3	8.7	48.7#
51	31.9	0.0	28.5#

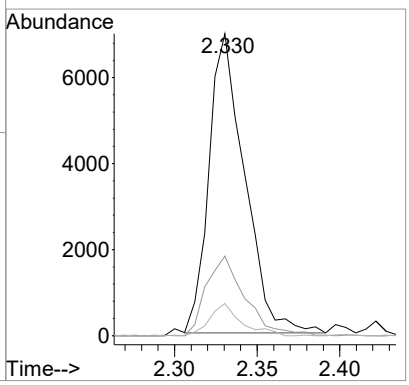


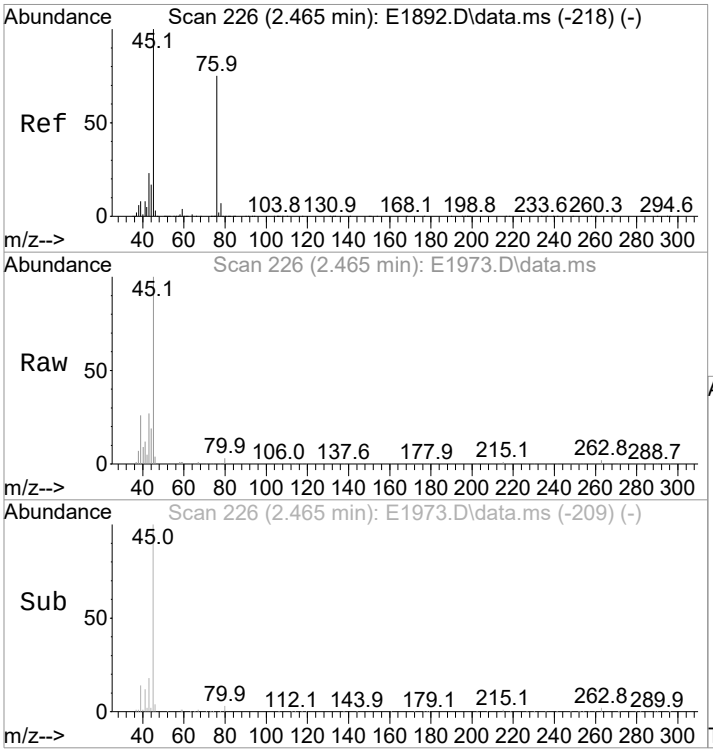


#15
Acetone
Concen: 8.35 ug/L
RT: 2.330 min Scan# 204
Delta R.T. -0.000 min
Lab File: E1973.D
Acq: 18 Jun 2019 1:30 pm

Tgt Ion: 43 Resp: 10488

Ion	Ratio	Lower	Upper
43	100		
58	26.4	10.8	50.8
42	10.7	0.0	26.9

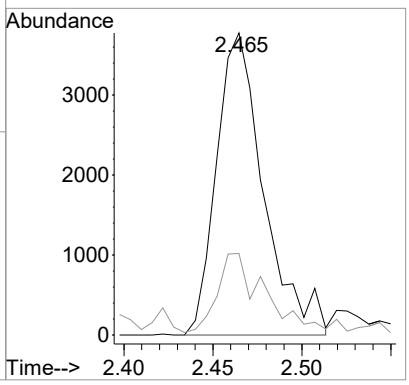


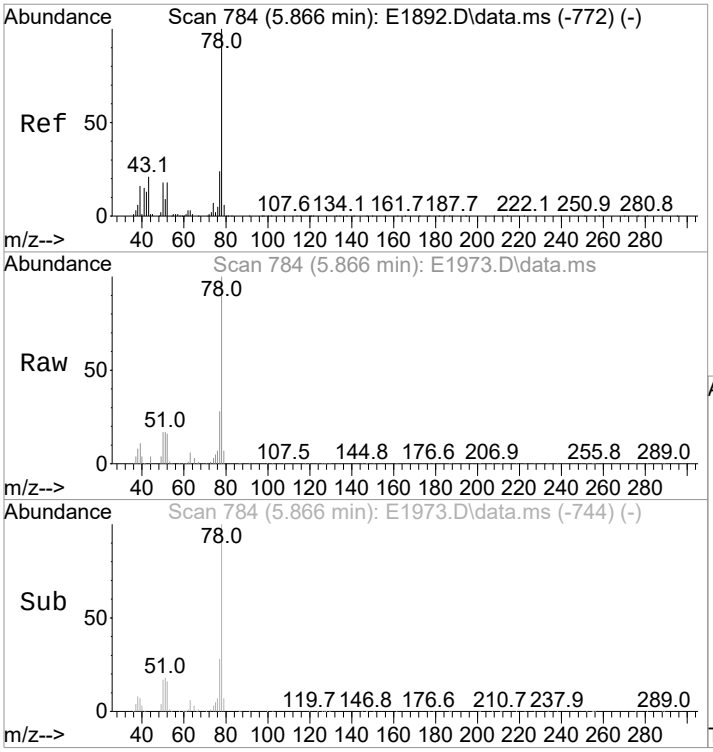


#16
2-Propanol
Concen: 35.90 ug/L
RT: 2.465 min Scan# 226
Delta R.T. -0.005 min
Lab File: E1973.D
Acq: 18 Jun 2019 1:30 pm

Tgt Ion: 45 Resp: 6982

Ion	Ratio	Lower	Upper
45	100		
43	27.0	3.2	43.2

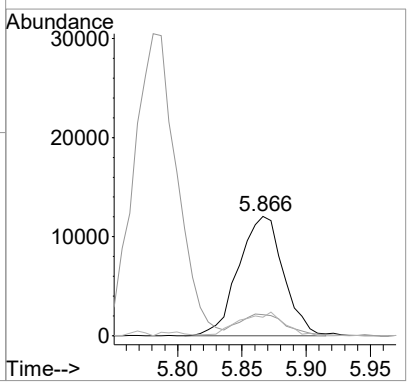


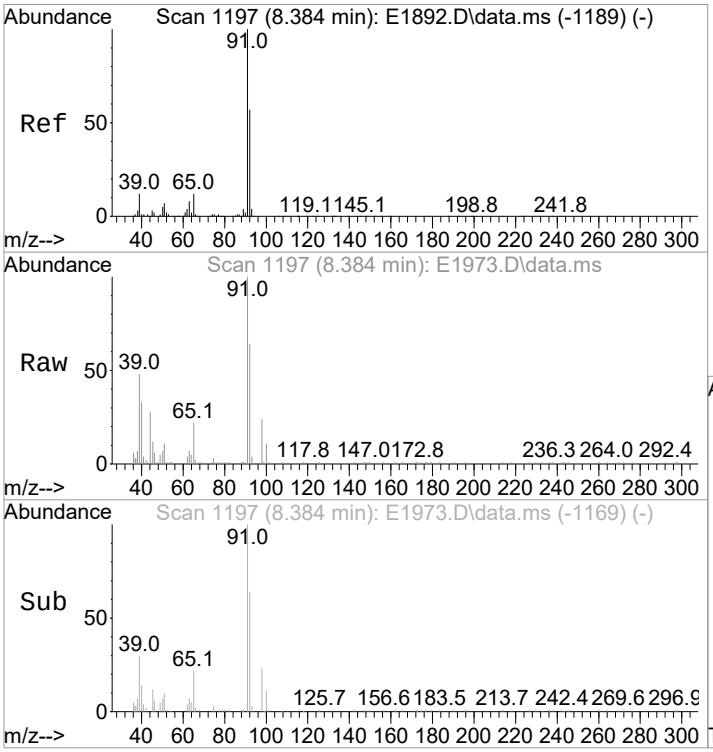


#47
Benzene
Concen: 2.63 ug/L
RT: 5.866 min Scan# 784
Delta R.T. -0.000 min
Lab File: E1973.D
Acq: 18 Jun 2019 1:30 pm

Tgt Ion: 78 Resp: 29255

Ion	Ratio	Lower	Upper
78	100		
51	17.5	0.0	38.8
52	15.6	0.0	38.0

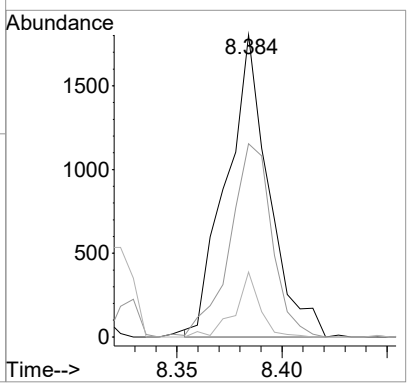


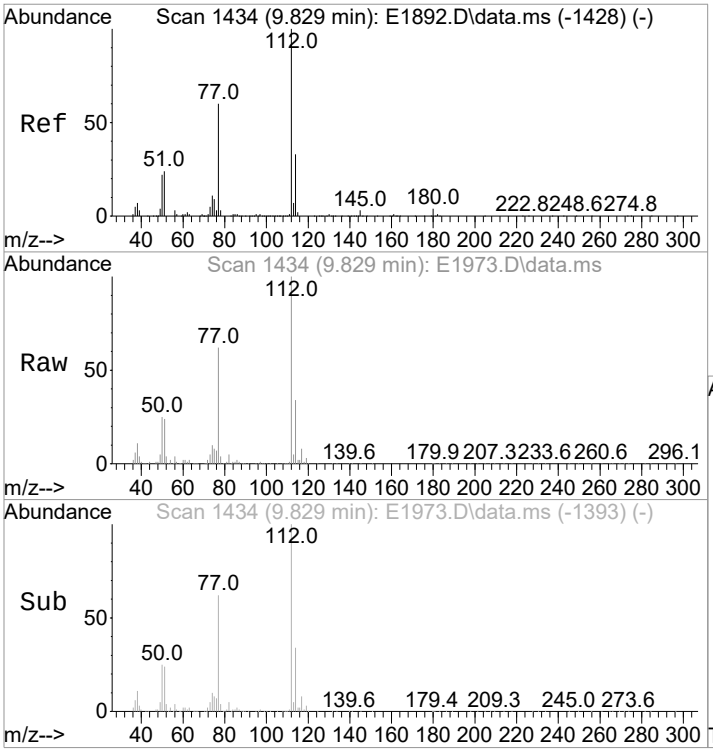


#65
Toluene
Concen: 0.22 ug/L
RT: 8.384 min Scan# 1197
Delta R.T. -0.000 min
Lab File: E1973.D
Acq: 18 Jun 2019 1:30 pm

Tgt Ion: 91 Resp: 2518

Ion	Ratio	Lower	Upper
91	100		
92	64.0	36.5	76.5
65	21.5	0.0	31.7

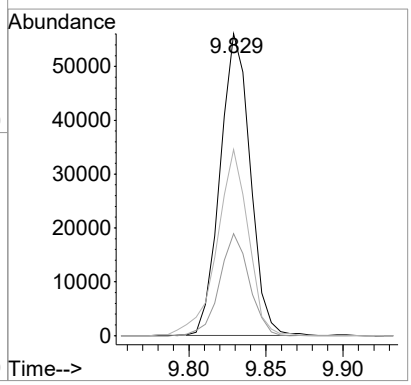


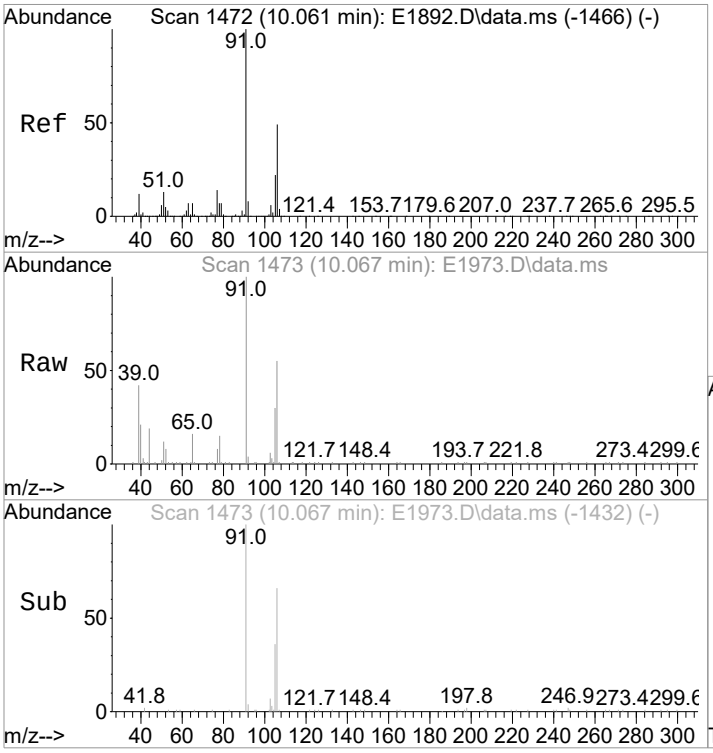


#78
Chlorobenzene
Concen: 10.73 ug/L
RT: 9.829 min Scan# 1434
Delta R.T. -0.000 min
Lab File: E1973.D
Acq: 18 Jun 2019 1:30 pm

Tgt Ion:112 Resp: 76212

Ion	Ratio	Lower	Upper
112	100		
114	33.8	13.0	53.0
77	61.7	40.3	80.3

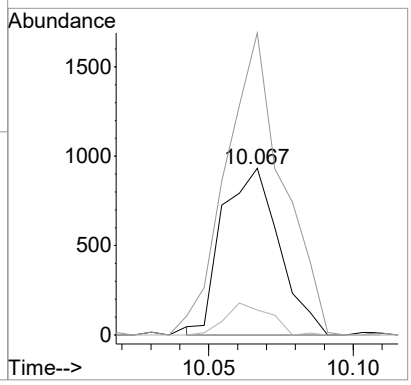


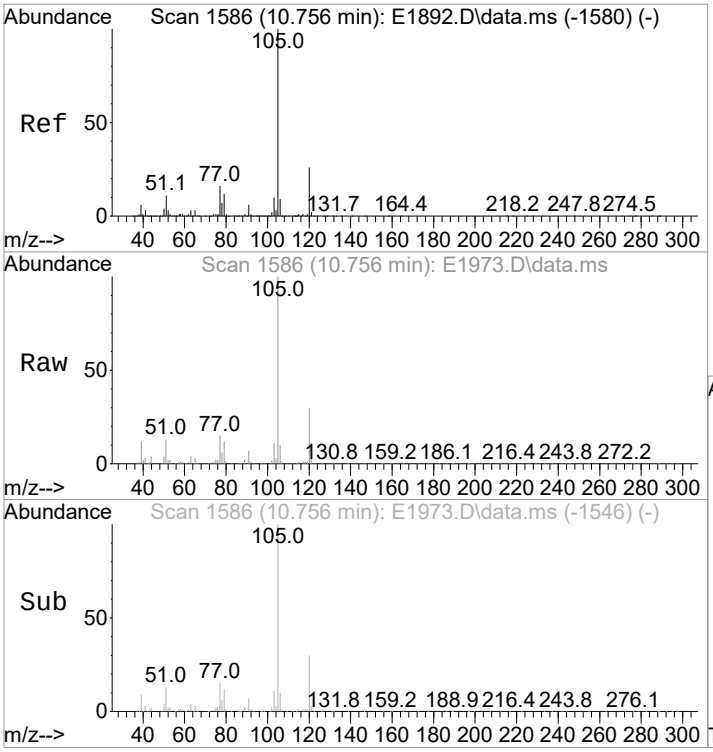


#82
(m+p)Xylene
Concen: 0.27 ug/L
RT: 10.067 min Scan# 1473
Delta R.T. -0.000 min
Lab File: E1973.D
Acq: 18 Jun 2019 1:30 pm

Tgt Ion:106 Resp: 1266

Ion	Ratio	Lower	Upper
106	100		
91	181.3	186.1	226.1#
77	14.9	9.0	49.0

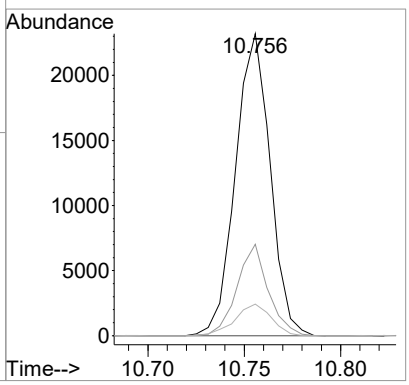


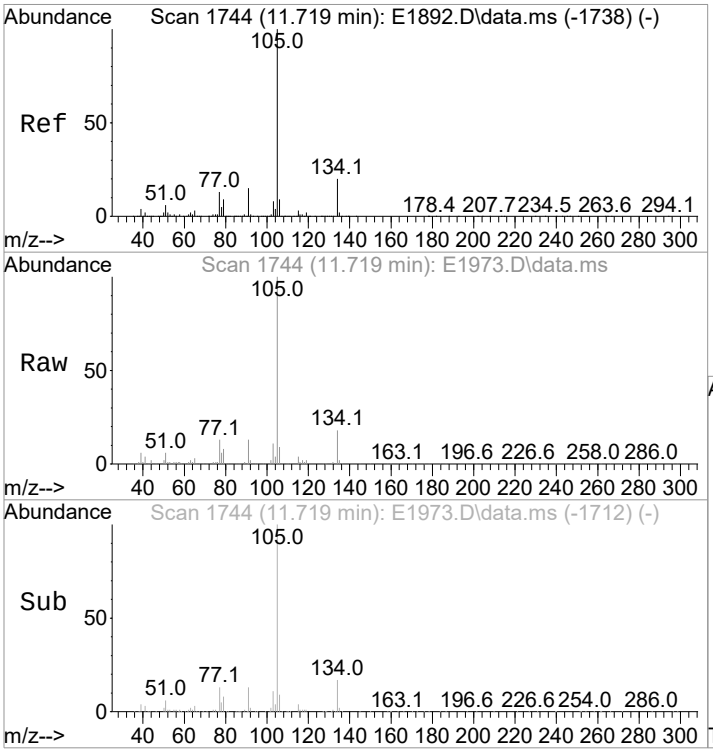


#87
Isopropylbenzene
Concen: 2.48 ug/L
RT: 10.756 min Scan# 1586
Delta R.T. -0.000 min
Lab File: E1973.D
Acq: 18 Jun 2019 1:30 pm

Tgt Ion:105 Resp: 29021

Ion	Ratio	Lower	Upper
105	100		
120	30.3	5.6	45.6
106	10.4	0.0	28.8

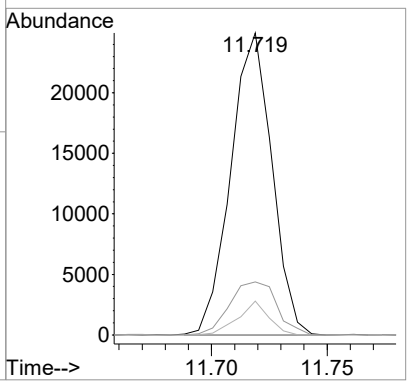


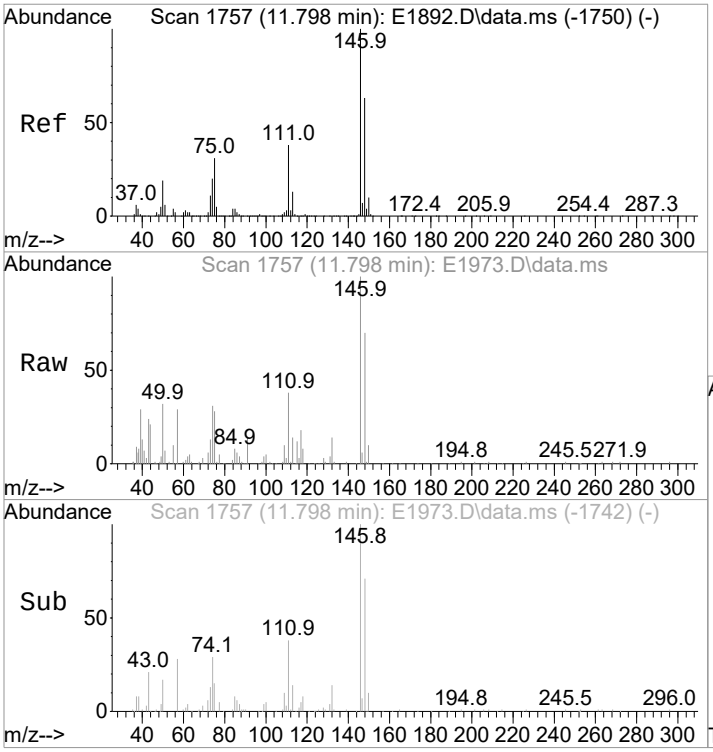


#102
sec-Butylbenzene
Concen: 2.59 ug/L
RT: 11.719 min Scan# 1744
Delta R.T. -0.000 min
Lab File: E1973.D
Acq: 18 Jun 2019 1:30 pm

Tgt Ion:105 Resp: 30794

Ion	Ratio	Lower	Upper
105	100		
134	17.5	0.0	39.7
103	11.2	0.0	28.1

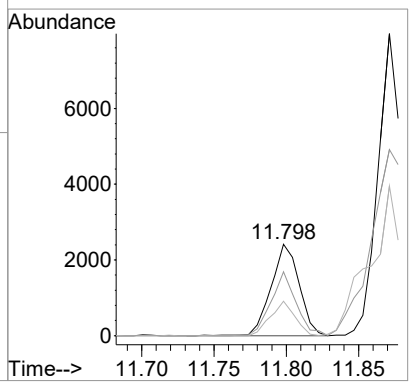


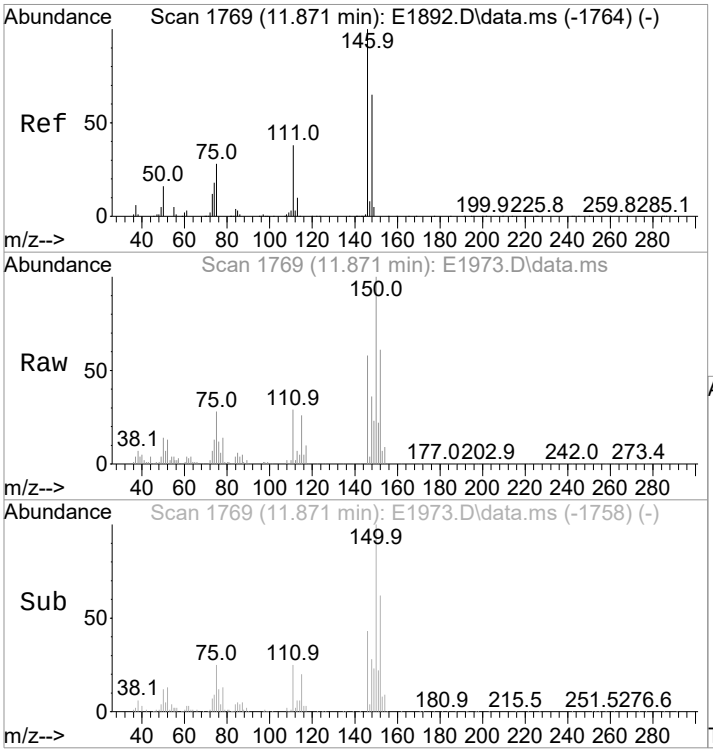


#104
1,3-Dclbenz
Concen: 0.58 ug/L
RT: 11.798 min Scan# 1757
Delta R.T. -0.000 min
Lab File: E1973.D
Acq: 18 Jun 2019 1:30 pm

Tgt Ion:146 Resp: 3261

Ion	Ratio	Lower	Upper
146	100		
148	70.1	43.1	83.1
111	37.8	18.5	58.5

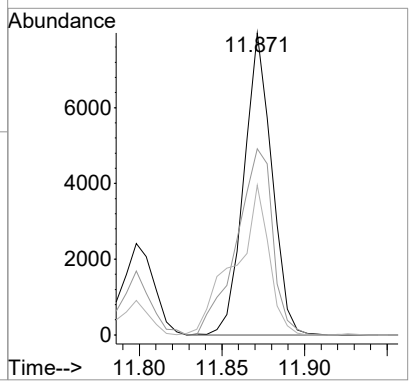


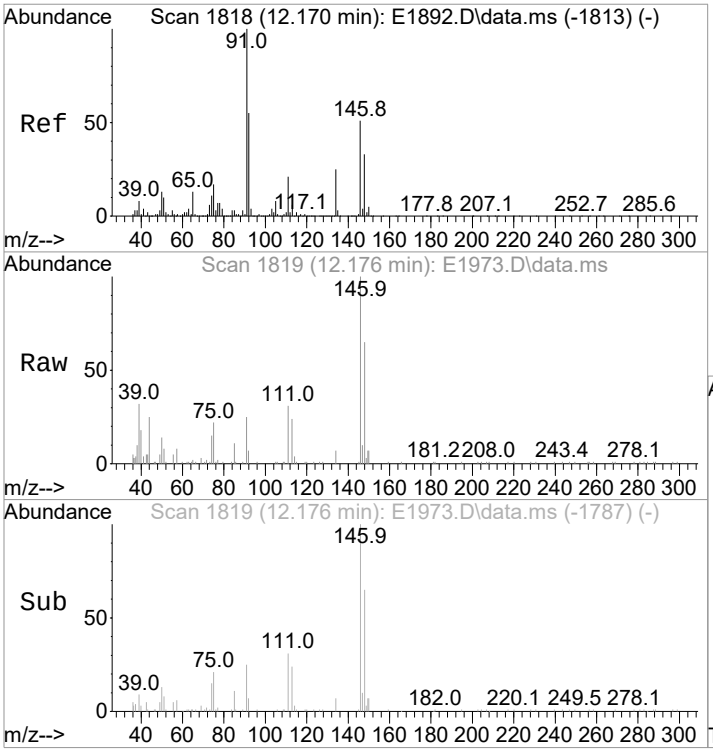


#105
1,4-Dclbenz
Concen: 1.65 ug/L
RT: 11.871 min Scan# 1769
Delta R.T. -0.000 min
Lab File: E1973.D
Acq: 18 Jun 2019 1:30 pm

Tgt Ion:146 Resp: 9365

Ion	Ratio	Lower	Upper
146	100		
148	61.7	44.7	84.7
111	49.5	18.3	58.3

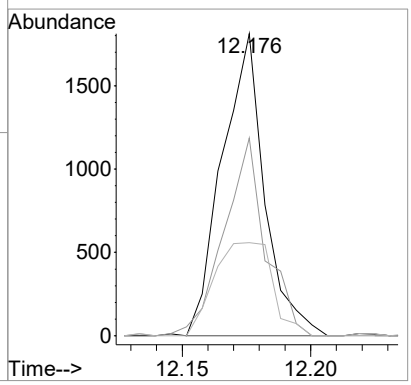


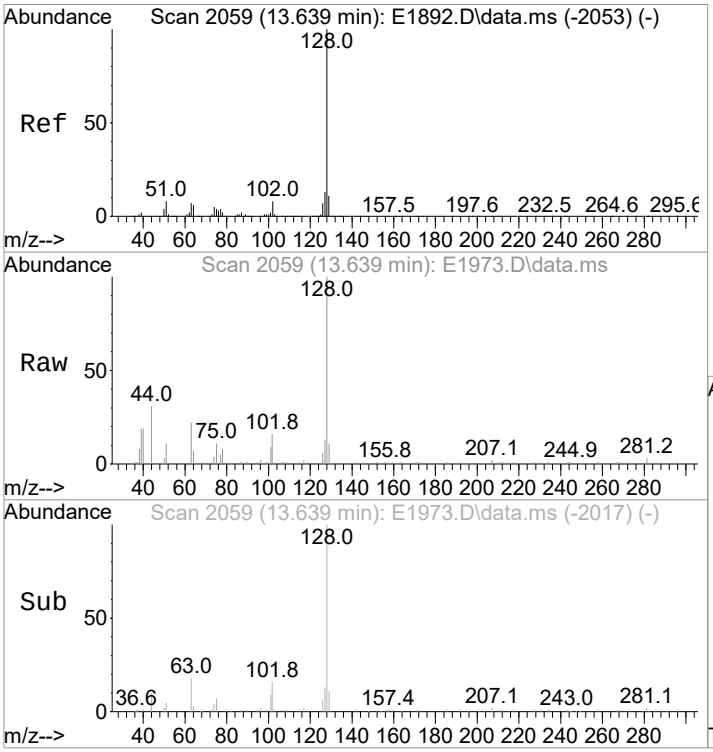


#109
1,2-Dclbenz
Concen: 0.37 ug/L
RT: 12.176 min Scan# 1819
Delta R.T. -0.000 min
Lab File: E1973.D
Acq: 18 Jun 2019 1:30 pm

Tgt Ion:146 Resp: 2077

Ion	Ratio	Lower	Upper
146	100		
148	65.5	44.1	84.1
111	30.8	21.3	61.3

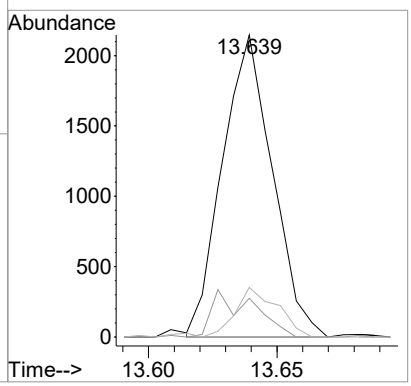




#116
Naphthalen
Concen: 0.28 ug/L
RT: 13.639 min Scan# 2059
Delta R.T. -0.000 min
Lab File: E1973.D
Acq: 18 Jun 2019 1:30 pm

Tgt Ion:128 Resp: 2904

Ion	Ratio	Lower	Upper
128	100		
127	12.8	0.0	33.1
102	16.4	0.0	28.0



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061819\
Data File : E1974.D
Acq On : 18 Jun 2019 1:51 pm
Operator : D.LIPANI
Sample : R1905417-005|1.0 Inst : MSVOA10
Misc : PSI 6684 T4
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 20 19:19:37 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration

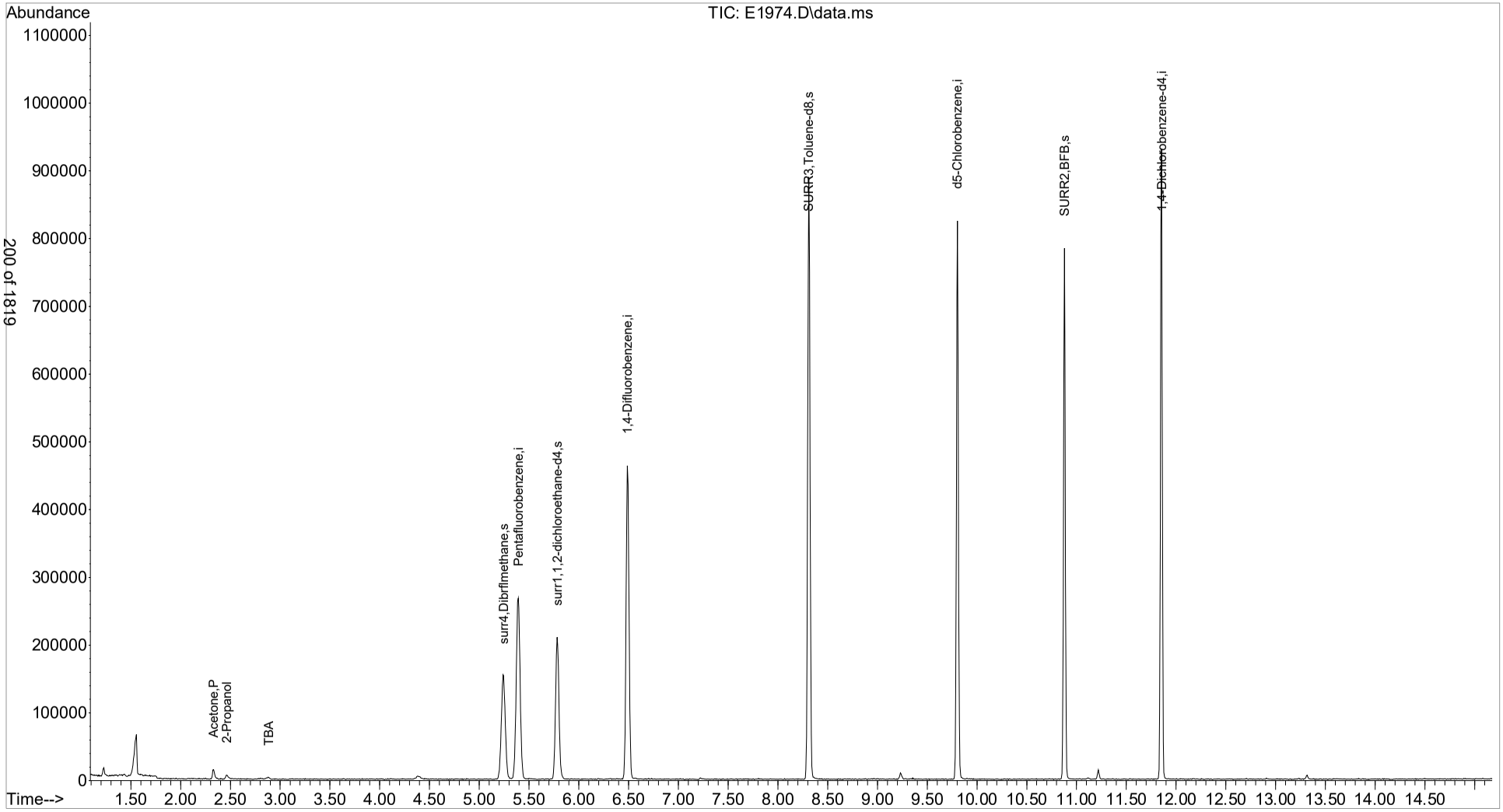
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.391	168	254888	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.488	114	384819	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.805	117	344108	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	175760	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.245	113	128552	51.09	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 102.18%			
46) surr1,1,2-dichloroetha...	5.781	65	177108	53.08	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 106.16%			
64) SURR3,Toluene-d8	8.311	98	523615	51.77	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 103.54%			
69) SURR2,BFB	10.878	95	182513	48.39	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 96.78%			
Target Compounds						Qvalue
5) Bromomethane	1.581	94	484	Below Cal	#	79
15) Acetone	2.330	43	15297	11.80	ug/L	85
16) 2-Propanol	2.465	45	5575	27.83	ug/L	95
23) TBA	2.885	59	1449	4.85	ug/L	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

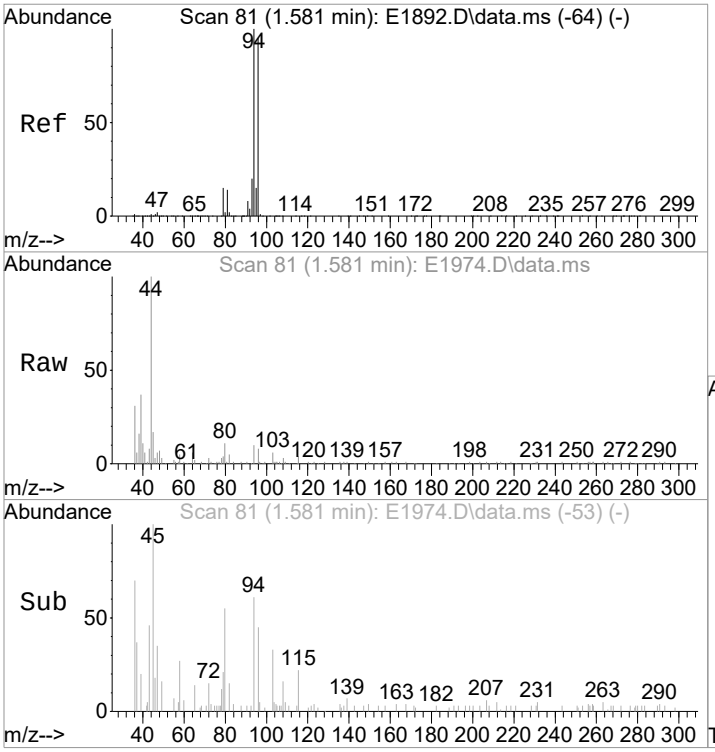
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061819\
Data File : E1974.D
Acq On : 18 Jun 2019 1:51 pm
Operator : D.LIPANI
Sample : R1905417-005|1.0 Inst : MSVOA10
Misc : PSI 6684 T4
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 20 19:19:37 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration



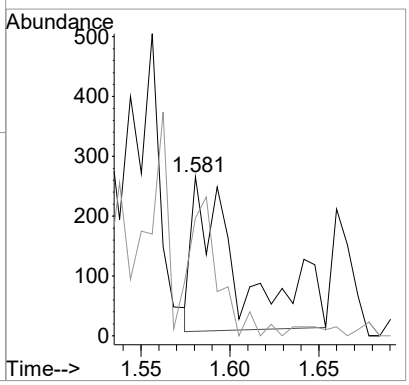
1st DL 06/21/19
2nd FJ 06/21/19

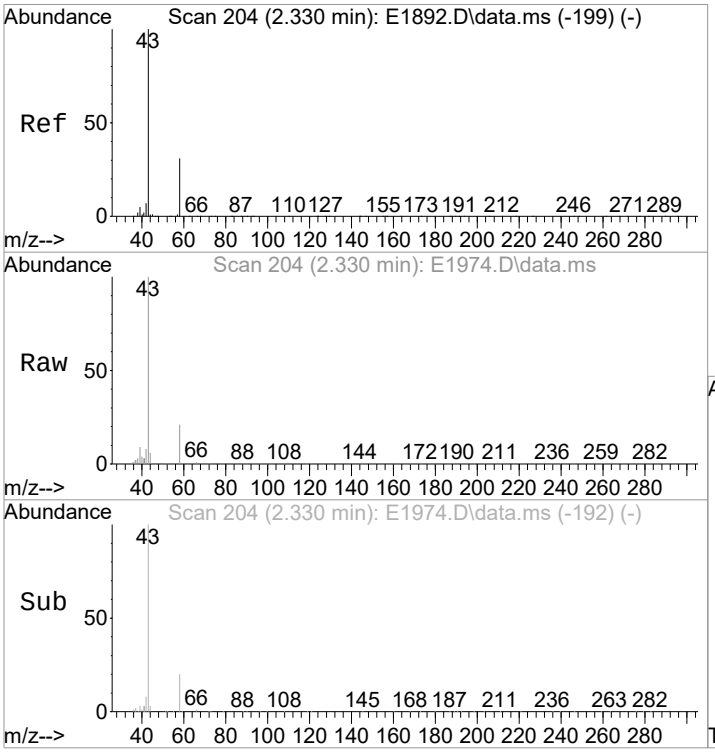


#5
Bromomethane
Concen: Below Cal
RT: 1.581 min Scan# 81
Delta R.T. 0.007 min
Lab File: E1974.D
Acq: 18 Jun 2019 1:51 pm

Tgt Ion: 94 Resp: 484

Ion	Ratio	Lower	Upper
94	100		
96	74.1	74.7	114.7#

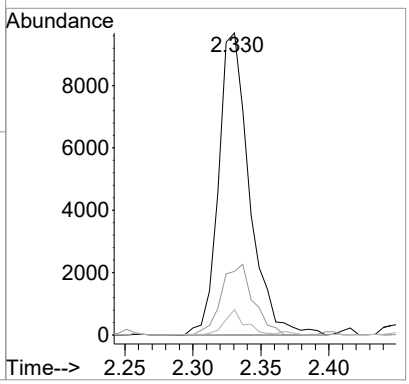


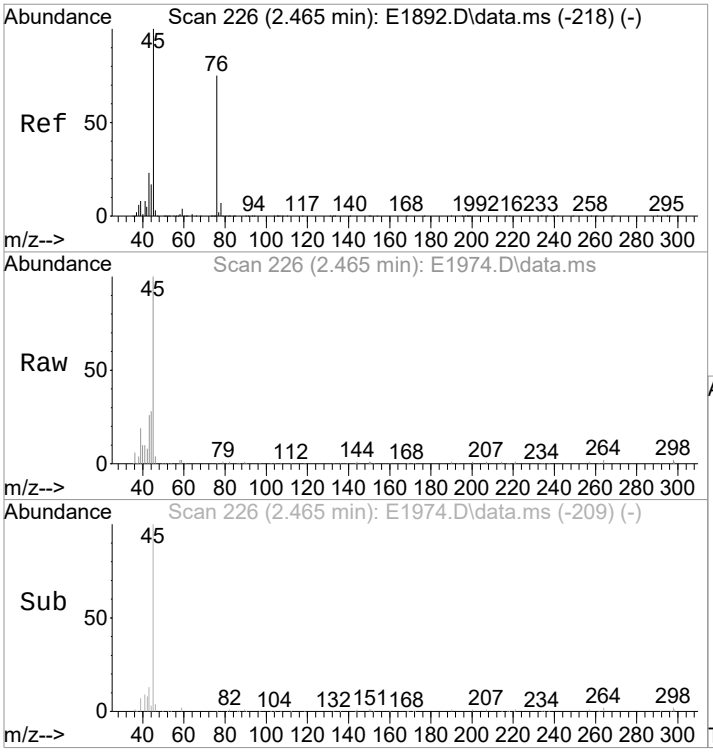


#15
Acetone
Concen: 11.80 ug/L
RT: 2.330 min Scan# 204
Delta R.T. -0.000 min
Lab File: E1974.D
Acq: 18 Jun 2019 1:51 pm

Tgt Ion: 43 Resp: 15297

Ion	Ratio	Lower	Upper
43	100		
58	21.1	10.8	50.8
42	8.4	0.0	26.9

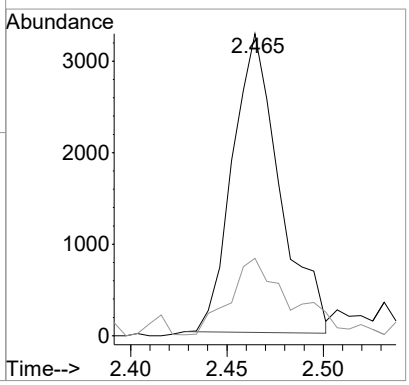


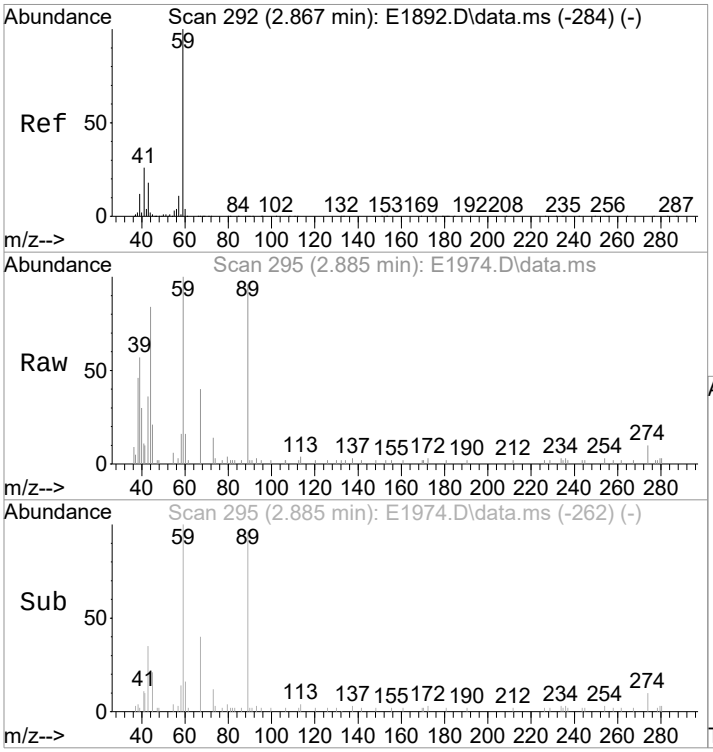


#16
2-Propanol
Concen: 27.83 ug/L
RT: 2.465 min Scan# 226
Delta R.T. -0.005 min
Lab File: E1974.D
Acq: 18 Jun 2019 1:51 pm

Tgt Ion: 45 Resp: 5575

Ion	Ratio	Lower	Upper
45	100		
43	25.6	3.2	43.2

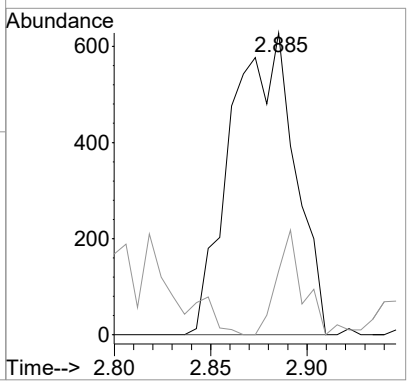




#23
TBA
Concen: 4.85 ug/L
RT: 2.885 min Scan# 295
Delta R.T. 0.012 min
Lab File: E1974.D
Acq: 18 Jun 2019 1:51 pm

Tgt Ion: 59 Resp: 1449

Ion	Ratio	Lower	Upper
59	100		
41	21.2	6.3	46.3



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061719\
Data File : E1956.D
Acq On : 18 Jun 2019 5:58 am
Operator : D.LIPANI
Sample : R1905417-006|1.0 Inst : MSVOA10
Misc : PSI 6684 T4
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Jun 19 16:37:23 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration

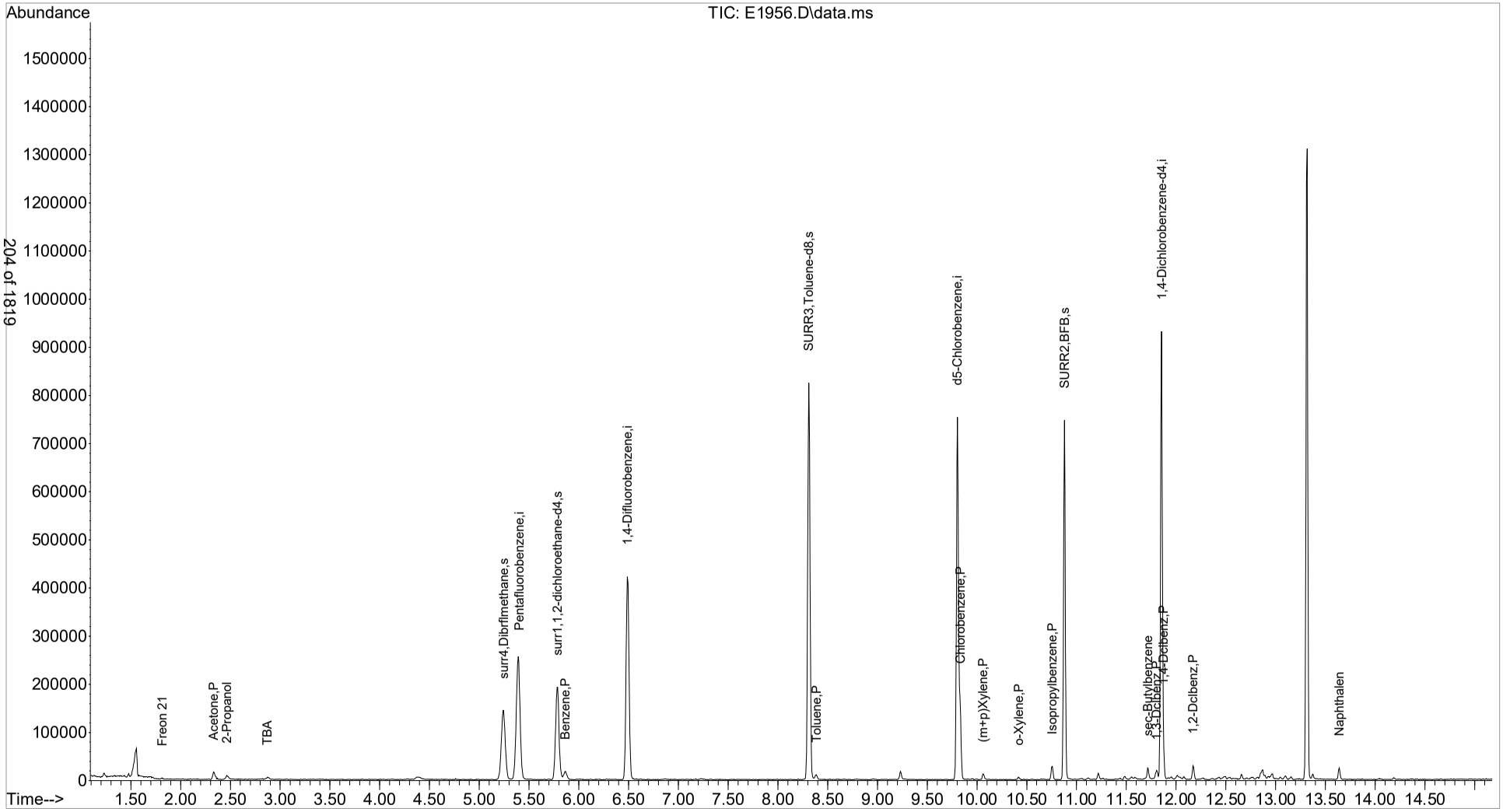
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.397	168	238618	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.488	114	356795	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	312541	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	170923	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.244	113	119898	51.39	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 102.78%				
46) surr1,1,2-dichloroetha...	5.787	65	163955	53.00	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 106.00%				
64) SURR3,Toluene-d8	8.311	98	485253	51.75	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 103.50%				
69) SURR2,BFB	10.878	95	170760	48.83	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 97.66%				
Target Compounds							Qvalue
5) Bromomethane	1.587	94	408	Below Cal		#	8
6) Chloroethane	1.721	64	255	Below Cal		#	58
7) Freon 21	1.812	67	1311	0.32	ug/L		98
15) Acetone	2.330	43	14488	11.93	ug/L		96
16) 2-Propanol	2.465	45	8868	47.07	ug/L		85
23) TBA	2.873	59	2383	8.51	ug/L		61
47) Benzene	5.866	78	14543	1.34	ug/L		89
65) Toluene	8.384	91	5363	0.47	ug/L		87
78) Chlorobenzene	9.829	112	63050	9.07	ug/L		99
82) (m+p)Xylene	10.061	106	2583	0.56	ug/L	#	88
83) o-Xylene	10.414	106	914	0.21	ug/L		94
87) Isopropylbenzene	10.756	105	14168	1.24	ug/L		98
102) sec-Butylbenzene	11.713	105	12187	1.01	ug/L		98
104) 1,3-Dclbenz	11.798	146	3853	0.68	ug/L		94
105) 1,4-Dclbenz	11.871	146	22074	3.84	ug/L		91
109) 1,2-Dclbenz	12.170	146	8404	1.46	ug/L		96
116) Naphthalen	13.639	128	13393	1.27	ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

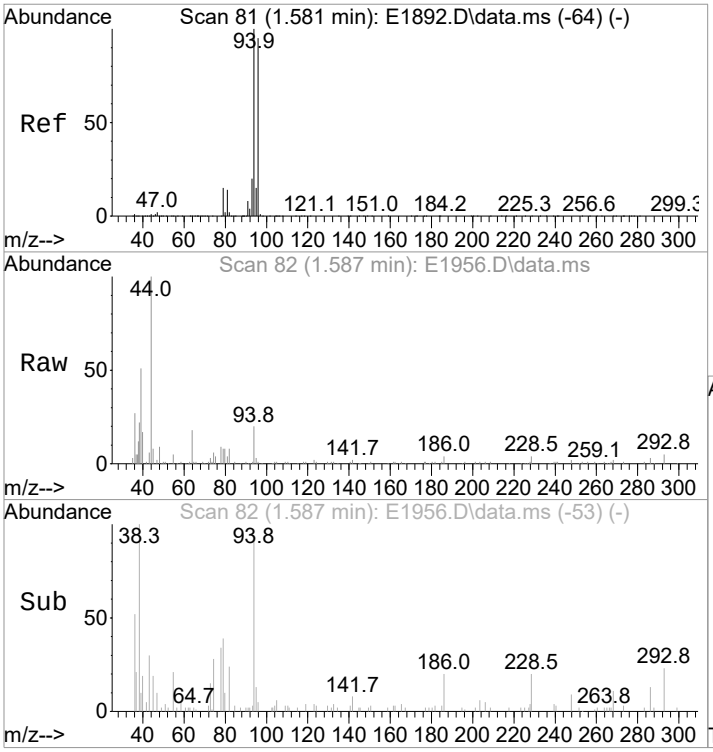
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061719\
Data File : E1956.D
Acq On : 18 Jun 2019 5:58 am
Operator : D.LIPANI
Sample : R1905417-006|1.0 Inst : MSVOA10
Misc : PSI 6684 T4
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Jun 19 16:37:23 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration



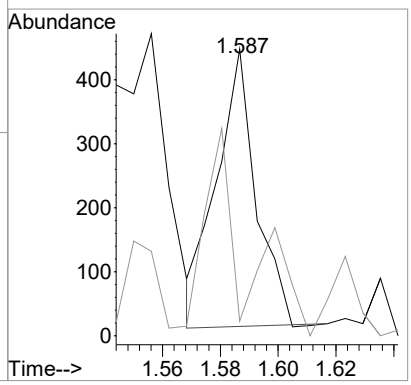
1st DL 06/19/19
2nd FJ 06/20/19

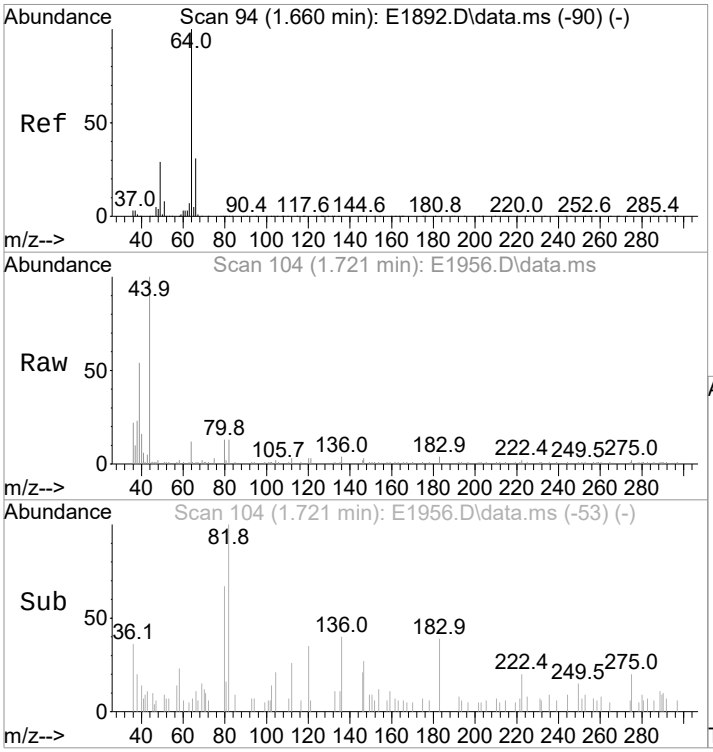


#5
Bromomethane
Concen: Below Cal
RT: 1.587 min Scan# 82
Delta R.T. 0.013 min
Lab File: E1956.D
Acq: 18 Jun 2019 5:58 am

Tgt Ion: 94 Resp: 408

Ion	Ratio	Lower	Upper
94	100		
96	5.1	74.7	114.7#

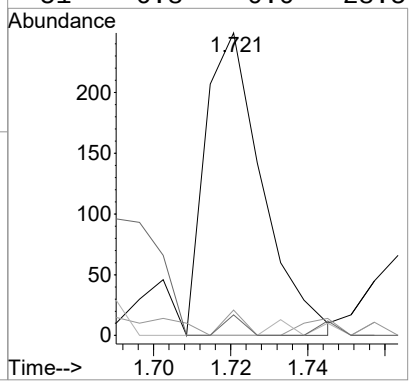


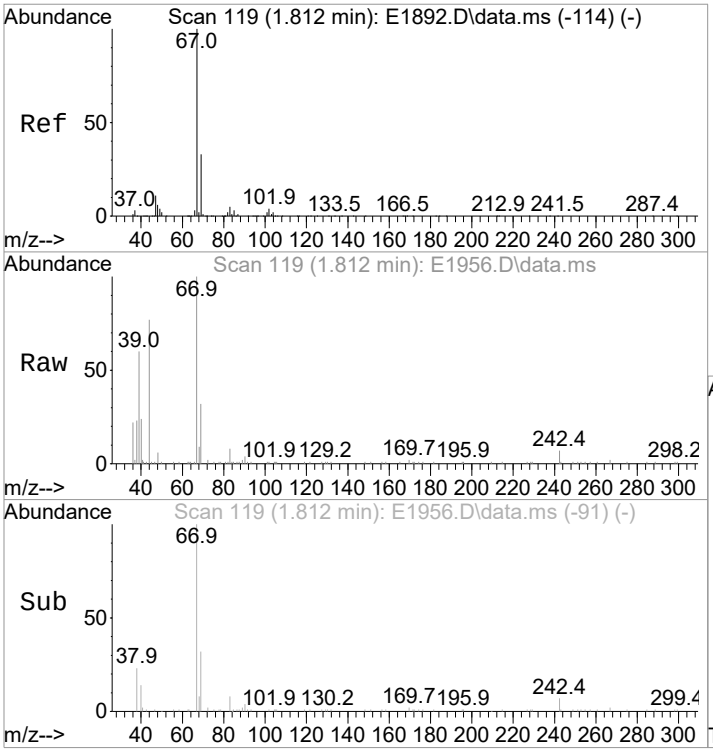


#6
Chloroethane
Concen: Below Cal
RT: 1.721 min Scan# 104
Delta R.T. 0.068 min
Lab File: E1956.D
Acq: 18 Jun 2019 5:58 am

Tgt Ion: 64 Resp: 255

Ion	Ratio	Lower	Upper
64	100		
66	8.4	10.7	50.7#
49	0.0	8.7	48.7#
51	6.8	0.0	28.5

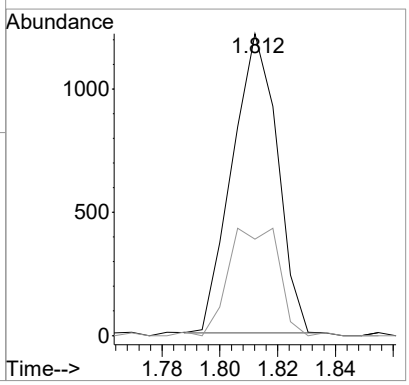


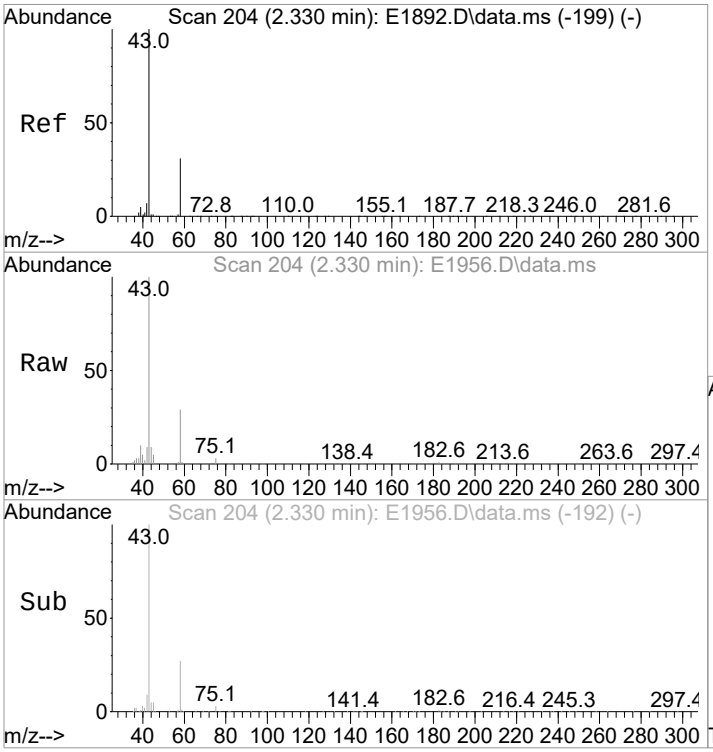


#7
Freon 21
Concen: 0.32 ug/L
RT: 1.812 min Scan# 119
Delta R.T. 0.006 min
Lab File: E1956.D
Acq: 18 Jun 2019 5:58 am

Tgt Ion: 67 Resp: 1311

Ion	Ratio	Lower	Upper
67	100		
69	31.9	13.1	53.1

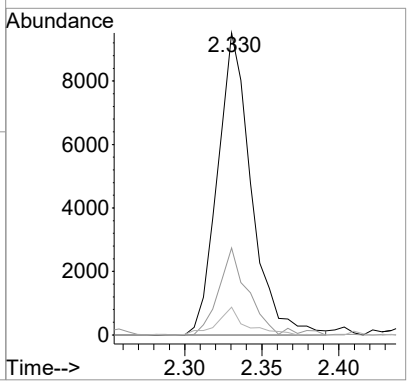


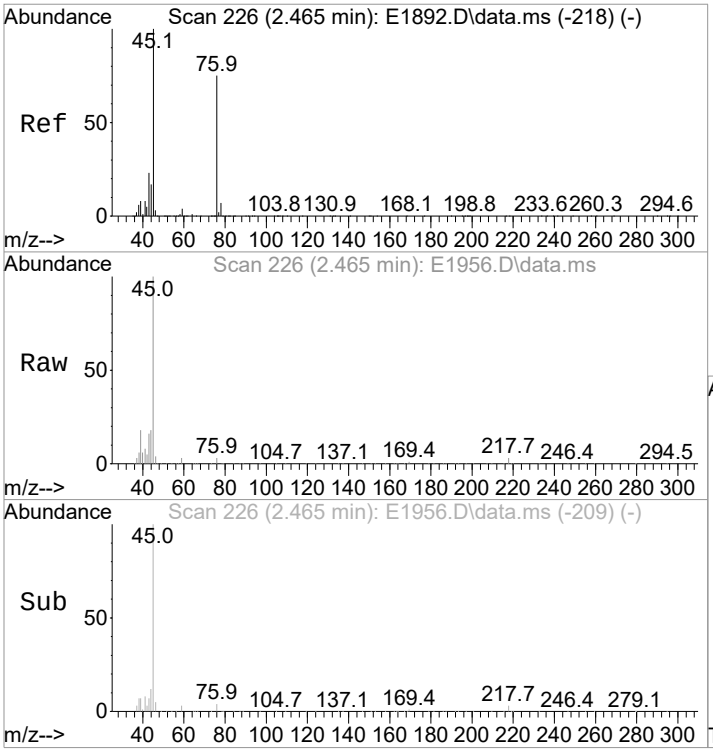


#15
Acetone
Concen: 11.93 ug/L
RT: 2.330 min Scan# 204
Delta R.T. -0.000 min
Lab File: E1956.D
Acq: 18 Jun 2019 5:58 am

Tgt Ion: 43 Resp: 14488

Ion	Ratio	Lower	Upper
43	100		
58	28.8	10.8	50.8
42	9.2	0.0	26.9

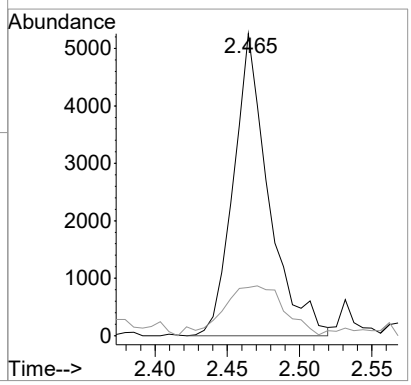


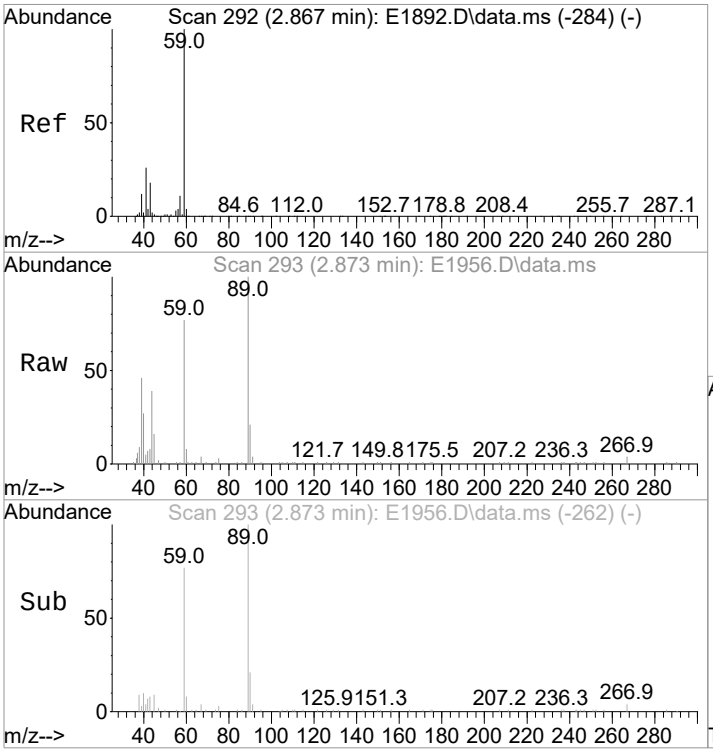


#16
2-Propanol
Concen: 47.07 ug/L
RT: 2.465 min Scan# 226
Delta R.T. -0.006 min
Lab File: E1956.D
Acq: 18 Jun 2019 5:58 am

Tgt Ion: 45 Resp: 8868

Ion	Ratio	Lower	Upper
45	100		
43	15.9	3.2	43.2

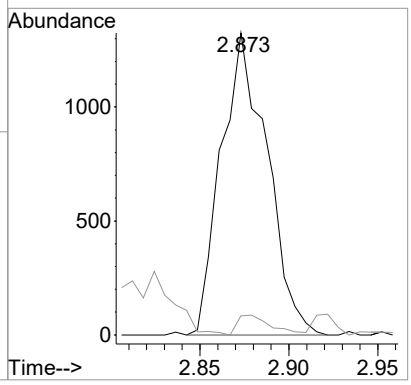


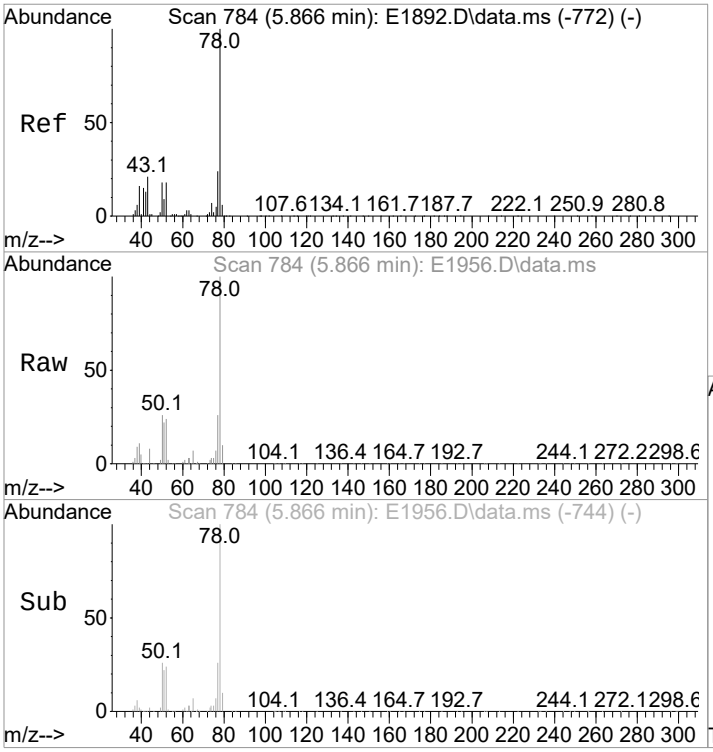


#23
TBA
Concen: 8.51 ug/L
RT: 2.873 min Scan# 293
Delta R.T. -0.000 min
Lab File: E1956.D
Acq: 18 Jun 2019 5:58 am

Tgt Ion: 59 Resp: 2383

Ion	Ratio	Lower	Upper
59	100		
41	6.3	6.3	46.3

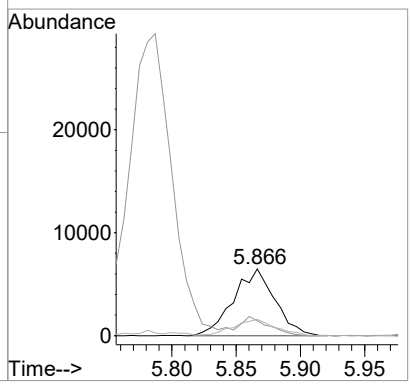


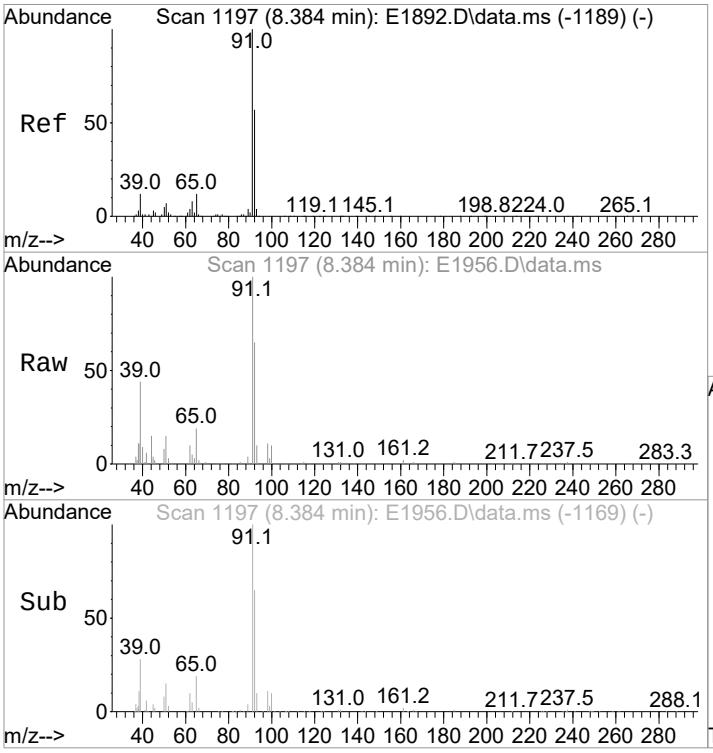


#47
Benzene
Concen: 1.34 ug/L
RT: 5.866 min Scan# 784
Delta R.T. -0.000 min
Lab File: E1956.D
Acq: 18 Jun 2019 5:58 am

Tgt Ion: 78 Resp: 14543

Ion	Ratio	Lower	Upper
78	100		
51	22.4	0.0	38.8
52	24.5	0.0	38.0

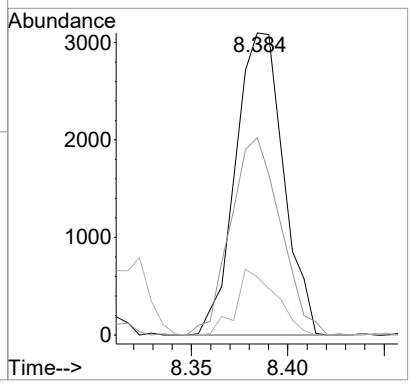


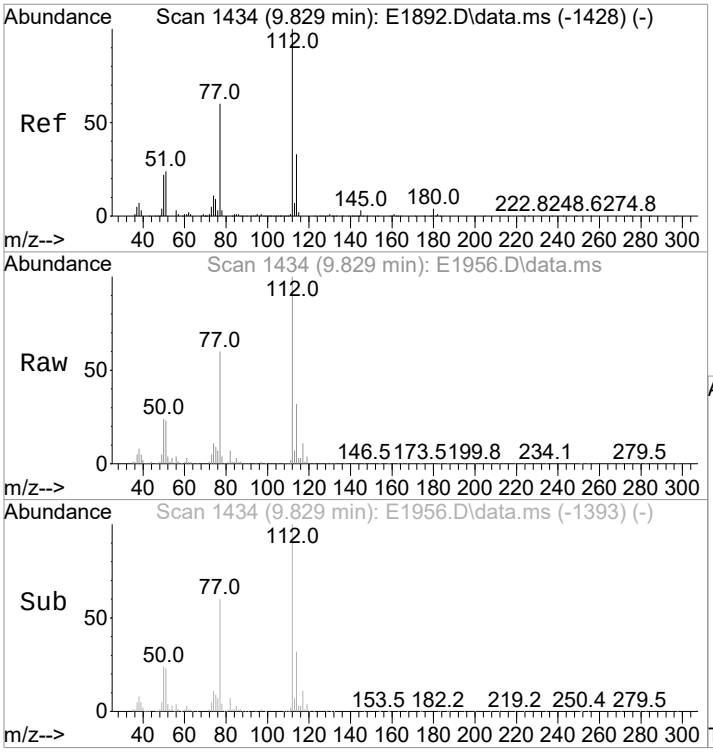


#65
Toluene
Concen: 0.47 ug/L
RT: 8.384 min Scan# 1197
Delta R.T. -0.000 min
Lab File: E1956.D
Acq: 18 Jun 2019 5:58 am

Tgt Ion: 91 Resp: 5363

Ion	Ratio	Lower	Upper
91	100		
92	65.4	36.5	76.5
65	19.2	0.0	31.7

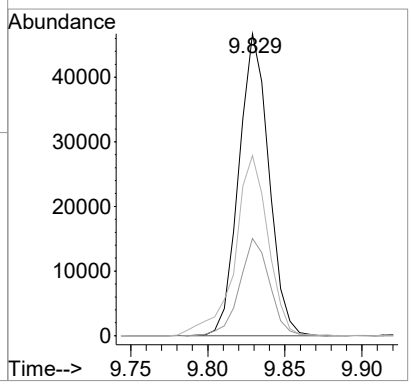


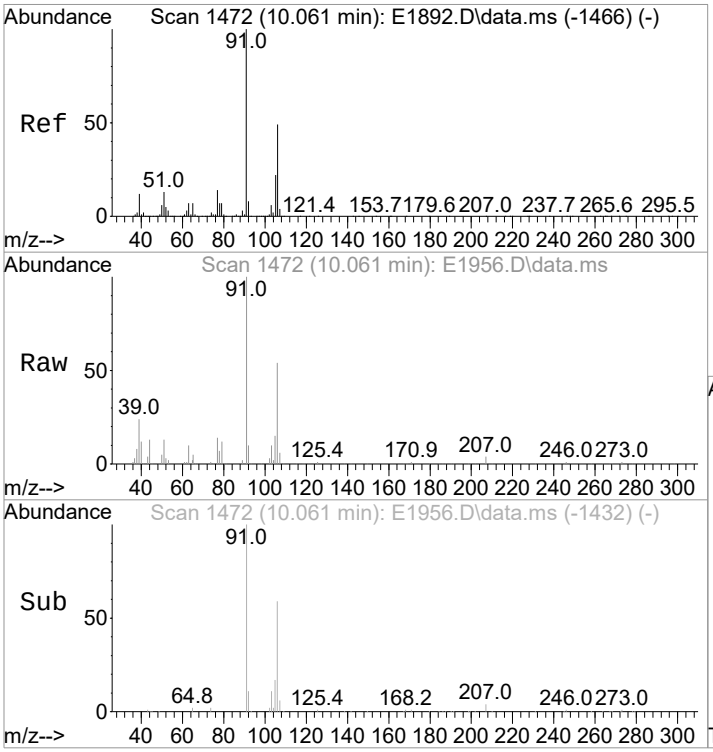


#78
Chlorobenzene
Concen: 9.07 ug/L
RT: 9.829 min Scan# 1434
Delta R.T. -0.000 min
Lab File: E1956.D
Acq: 18 Jun 2019 5:58 am

Tgt Ion:112 Resp: 63050

Ion	Ratio	Lower	Upper
112	100		
114	32.2	13.0	53.0
77	59.6	40.3	80.3

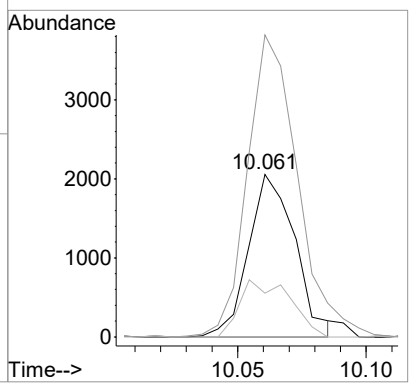


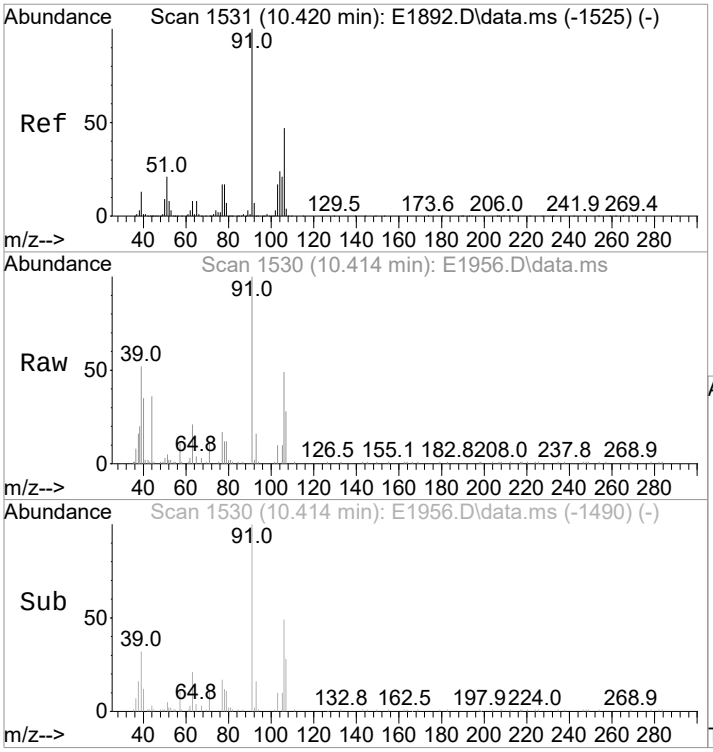


#82
(m+p)Xylene
Concen: 0.56 ug/L
RT: 10.061 min Scan# 1472
Delta R.T. -0.006 min
Lab File: E1956.D
Acq: 18 Jun 2019 5:58 am

Tgt Ion:106 Resp: 2583

Ion	Ratio	Lower	Upper
106	100		
91	185.8	186.1	226.1#
77	26.9	9.0	49.0

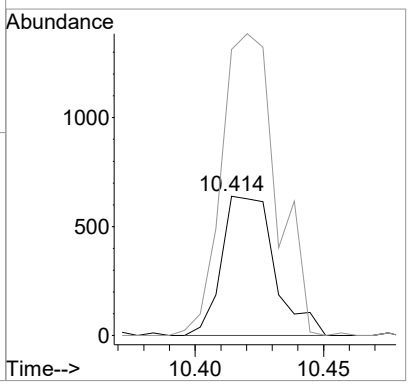


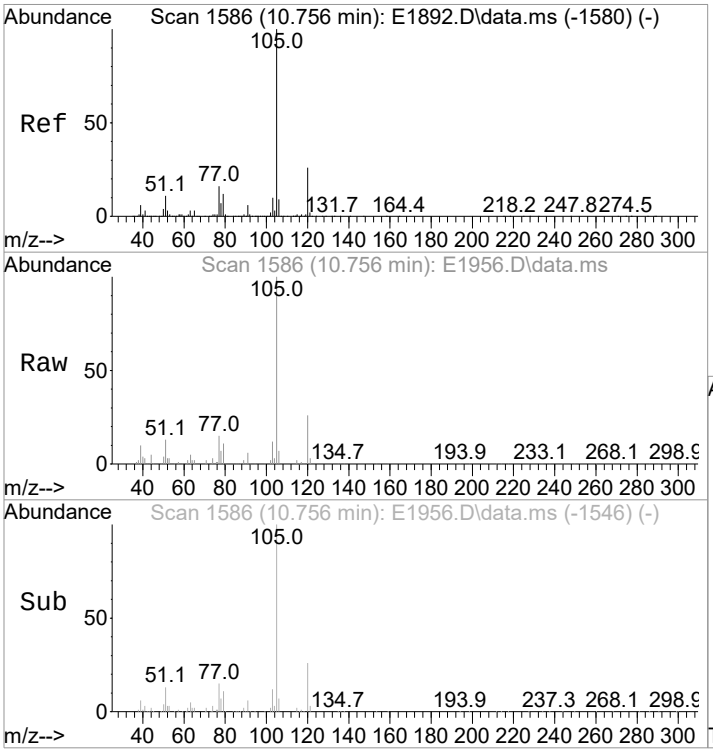


#83
o-Xylene
Concen: 0.21 ug/L
RT: 10.414 min Scan# 1530
Delta R.T. -0.006 min
Lab File: E1956.D
Acq: 18 Jun 2019 5:58 am

Tgt Ion:106 Resp: 914

Ion	Ratio	Lower	Upper
106	100		
91	205.5	194.7	234.7

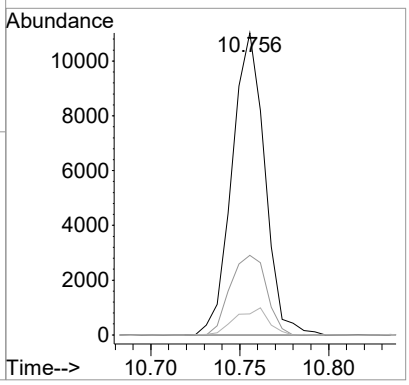


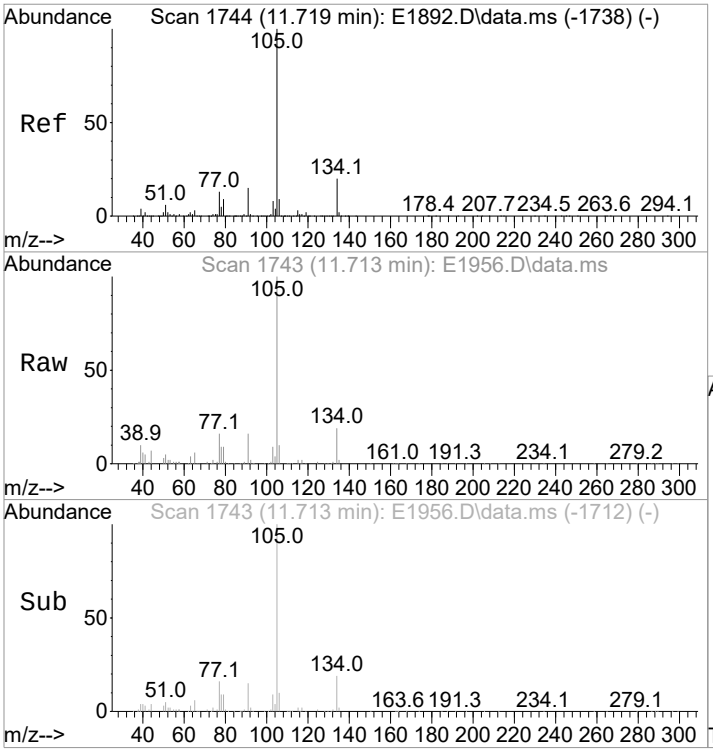


#87
Isopropylbenzene
Concen: 1.24 ug/L
RT: 10.756 min Scan# 1586
Delta R.T. -0.000 min
Lab File: E1956.D
Acq: 18 Jun 2019 5:58 am

Tgt Ion:105 Resp: 14168

Ion	Ratio	Lower	Upper
105	100		
120	26.4	5.6	45.6
106	7.0	0.0	28.8

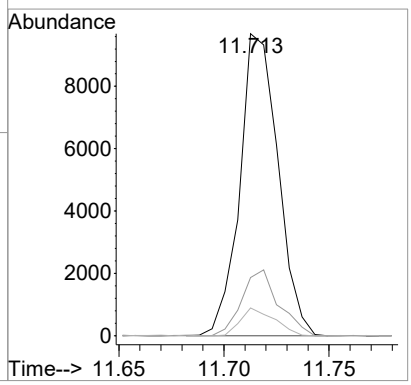


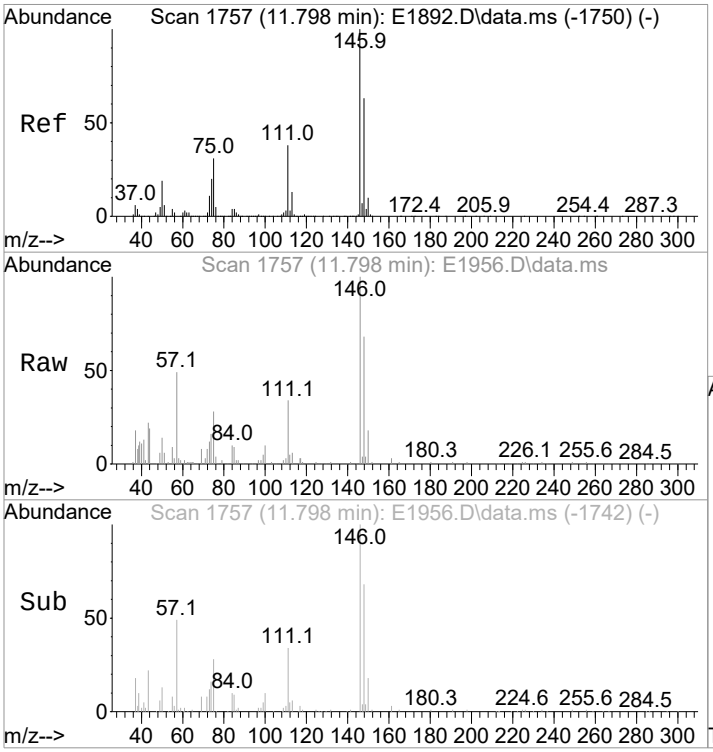


#102
sec-Butylbenzene
Concen: 1.01 ug/L
RT: 11.713 min Scan# 1743
Delta R.T. -0.006 min
Lab File: E1956.D
Acq: 18 Jun 2019 5:58 am

Tgt Ion:105 Resp: 12187

Ion	Ratio	Lower	Upper
105	100		
134	19.3	0.0	39.7
103	9.2	0.0	28.1

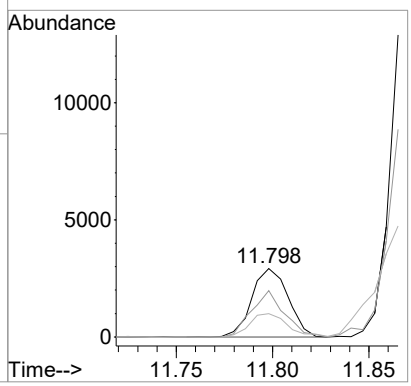


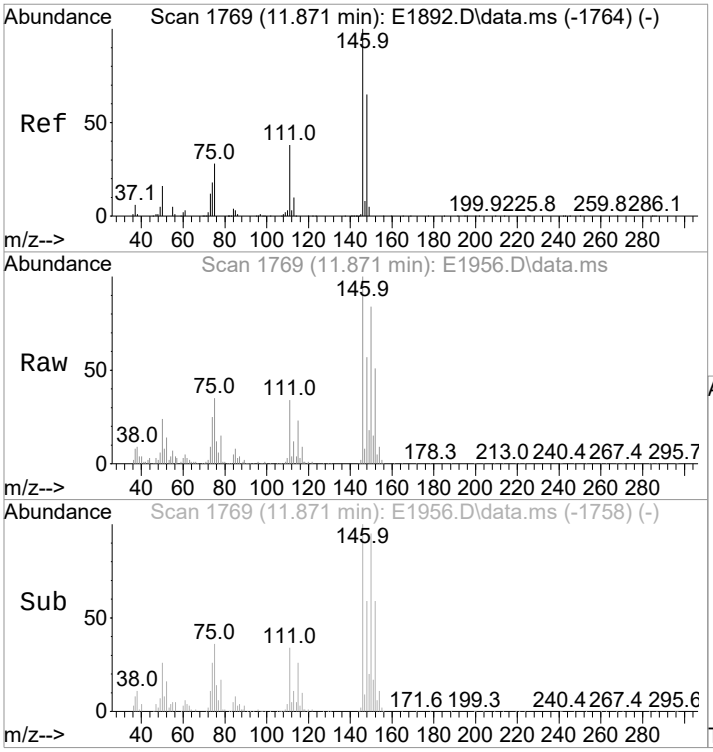


#104
1,3-Dclbenz
Concen: 0.68 ug/L
RT: 11.798 min Scan# 1757
Delta R.T. -0.000 min
Lab File: E1956.D
Acq: 18 Jun 2019 5:58 am

Tgt Ion:146 Resp: 3853

Ion	Ratio	Lower	Upper
146	100		
148	67.7	43.1	83.1
111	34.1	18.5	58.5

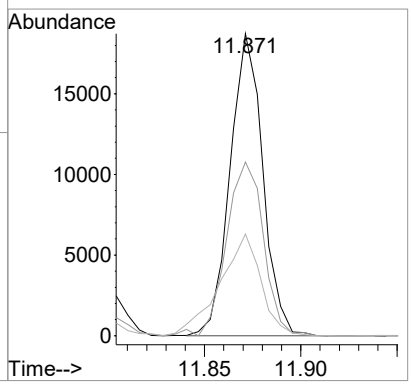


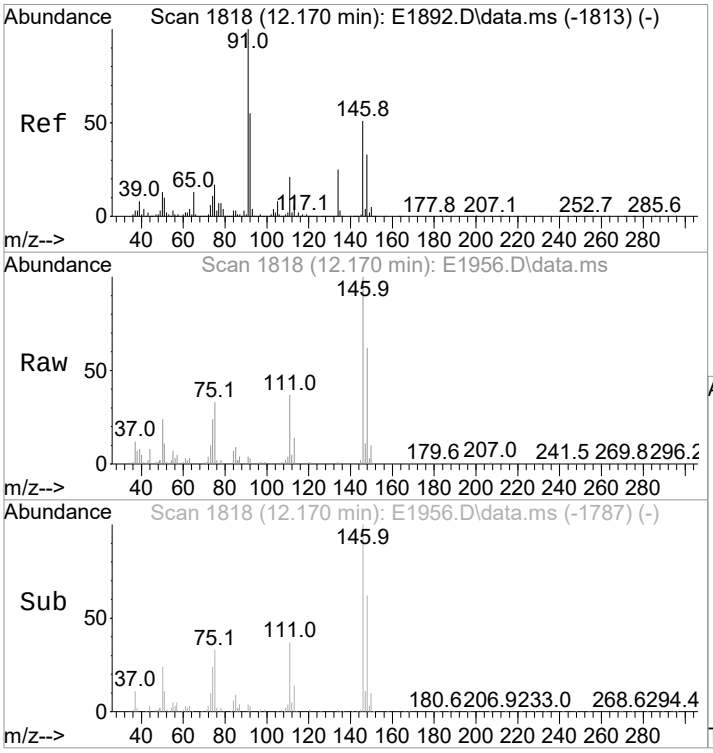


#105
1,4-Dclbenz
Concen: 3.84 ug/L
RT: 11.871 min Scan# 1769
Delta R.T. -0.000 min
Lab File: E1956.D
Acq: 18 Jun 2019 5:58 am

Tgt Ion:146 Resp: 22074

Ion	Ratio	Lower	Upper
146	100		
148	57.5	44.7	84.7
111	33.6	18.3	58.3

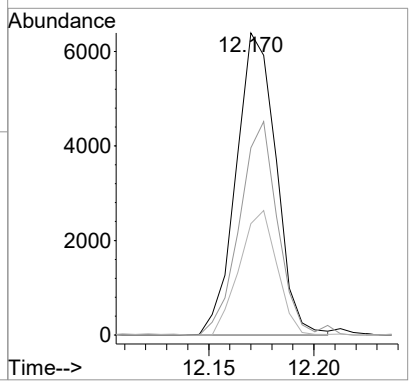


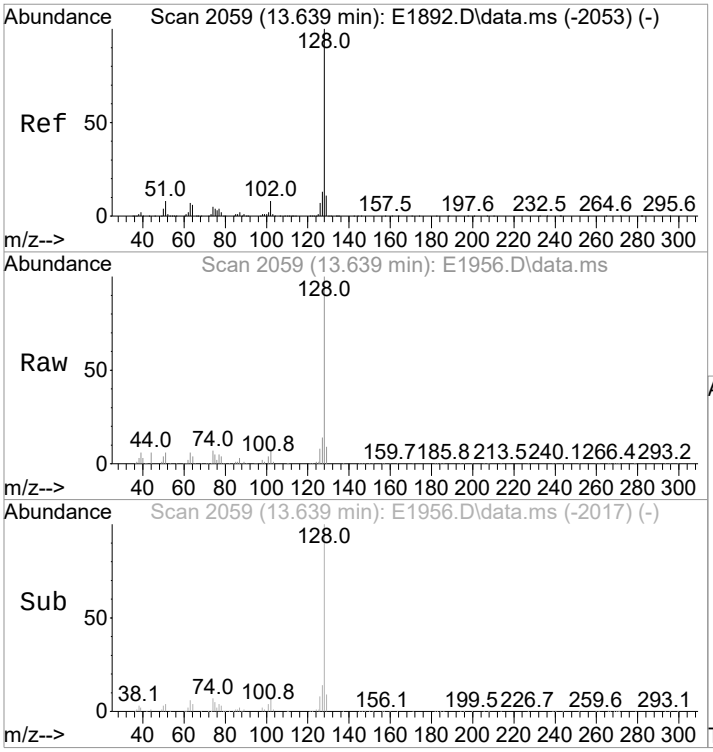


#109
1,2-Dclbenz
Concen: 1.46 ug/L
RT: 12.170 min Scan# 1818
Delta R.T. -0.006 min
Lab File: E1956.D
Acq: 18 Jun 2019 5:58 am

Tgt Ion:146 Resp: 8404

Ion	Ratio	Lower	Upper
146	100		
148	62.0	44.1	84.1
111	36.8	21.3	61.3

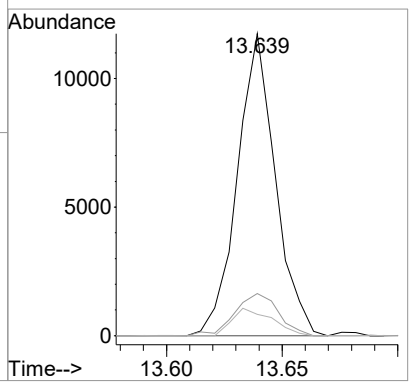




#116
Naphthalen
Concen: 1.27 ug/L
RT: 13.639 min Scan# 2059
Delta R.T. -0.000 min
Lab File: E1956.D
Acq: 18 Jun 2019 5:58 am

Tgt Ion:128 Resp: 13393

Ion	Ratio	Lower	Upper
128	100		
127	14.0	0.0	33.1
102	7.0	0.0	28.0



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061719\
Data File : E1957.D
Acq On : 18 Jun 2019 6:20 am
Operator : D.LIPANI
Sample : R1905417-007|1.0 Inst : MSVOA10
Misc : PSI 6684 T4
ALS Vial : 57 Sample Multiplier: 1

Quant Time: Jun 19 16:40:18 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration

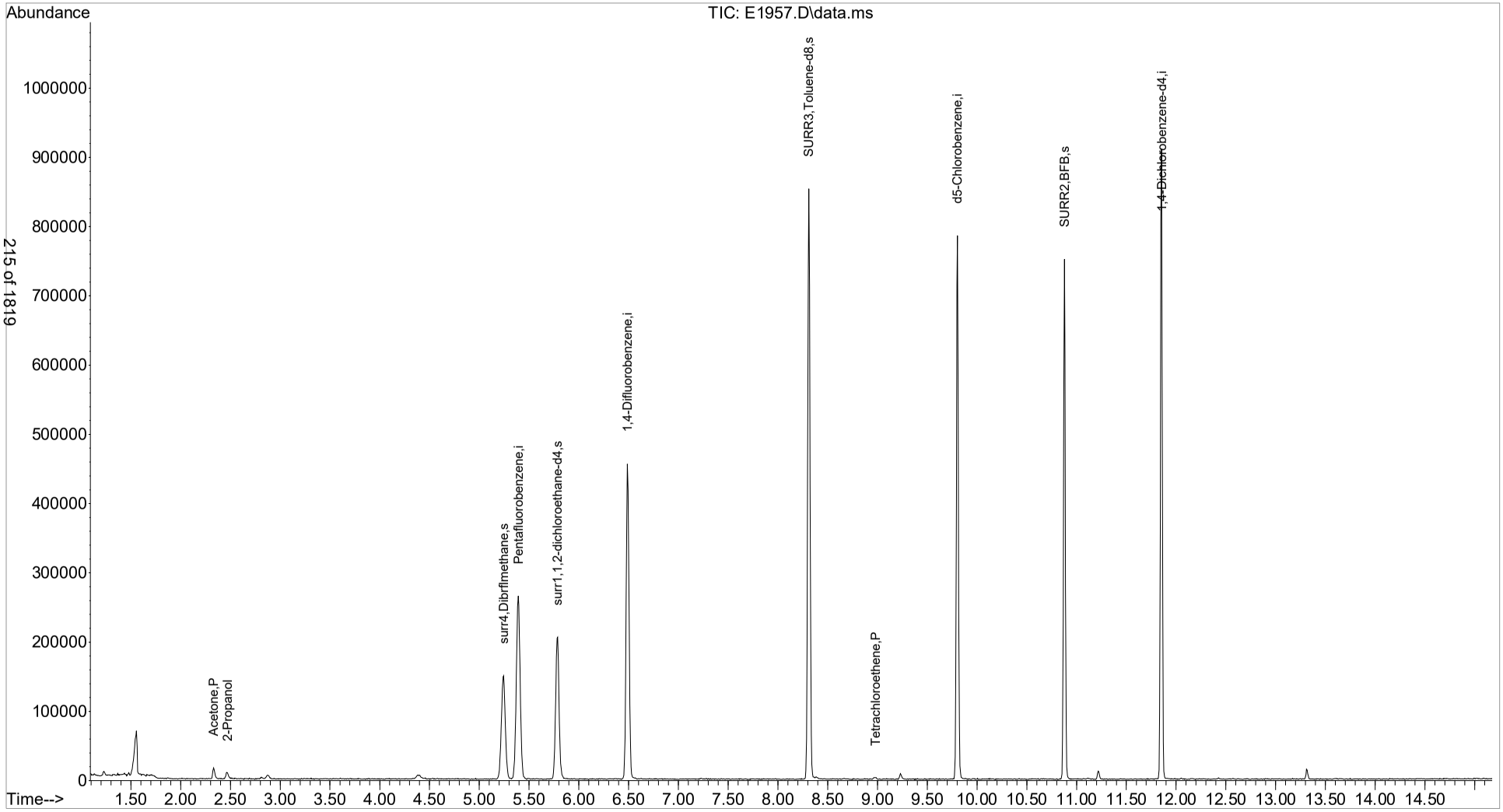
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.391	168	245646	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.488	114	372992	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.804	117	330894	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	175940	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.244	113	123378	50.59	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 101.18%			
46) surr1,1,2-dichloroetha...	5.787	65	173572	53.67	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 107.34%			
64) SURR3,Toluene-d8	8.311	98	495741	50.57	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.14%			
69) SURR2,BFB	10.877	95	178585	48.85	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 97.70%			
Target Compounds						Qvalue
5) Bromomethane	1.587	94	711	Below Cal		95
6) Chloroethane	1.641	64	257	Below Cal	#	54
15) Acetone	2.330	43	15177	12.14	ug/L	89
16) 2-Propanol	2.471	45	10691	55.02	ug/L	92
71) Tetrachloroethene	8.981	164	512	0.23	ug/L #	55

(#) = qualifier out of range (m) = manual integration (+) = signals summed

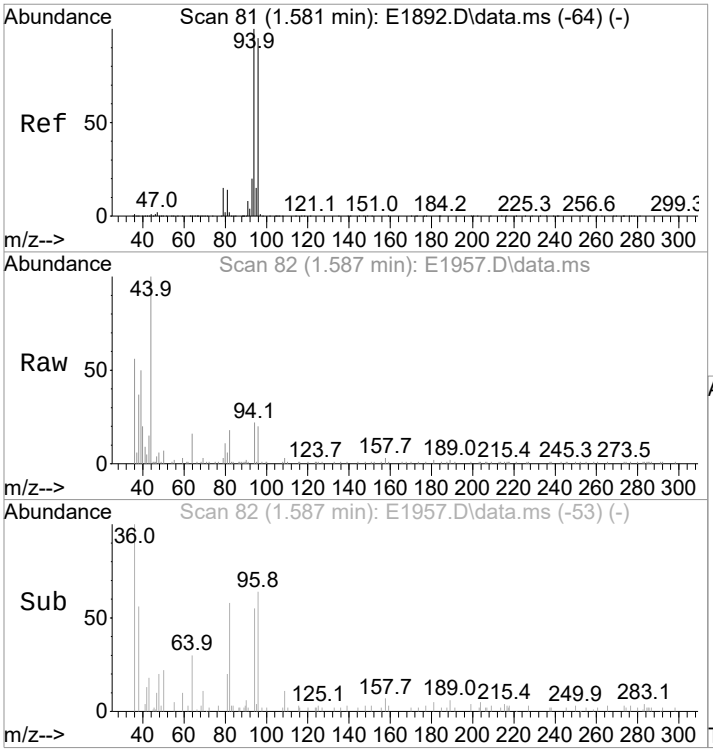
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061719\
Data File : E1957.D
Acq On : 18 Jun 2019 6:20 am
Operator : D.LIPANI
Sample : R1905417-007|1.0 Inst : MSVOA10
Misc : PSI 6684 T4
ALS Vial : 57 Sample Multiplier: 1

Quant Time: Jun 19 16:40:18 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration



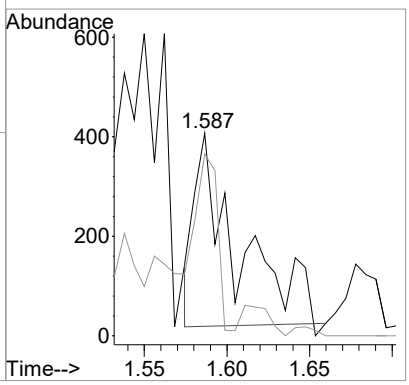
1st DL 06/19/19
2nd FJ 06/20/19

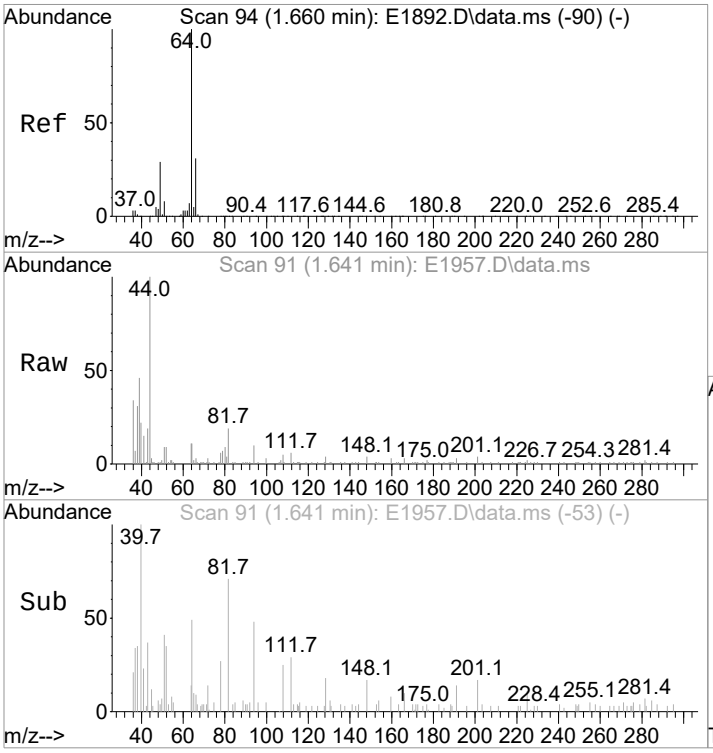


#5
Bromomethane
Concen: Below Cal
RT: 1.587 min Scan# 82
Delta R.T. 0.013 min
Lab File: E1957.D
Acq: 18 Jun 2019 6:20 am

Tgt Ion: 94 Resp: 711

Ion	Ratio	Lower	Upper
94	100		
96	89.7	74.7	114.7

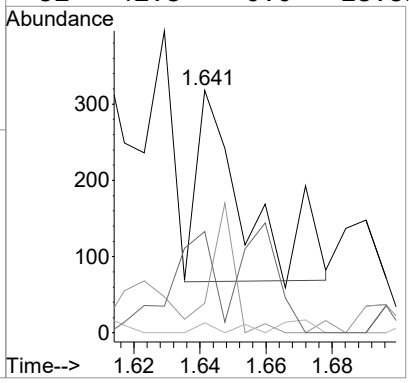


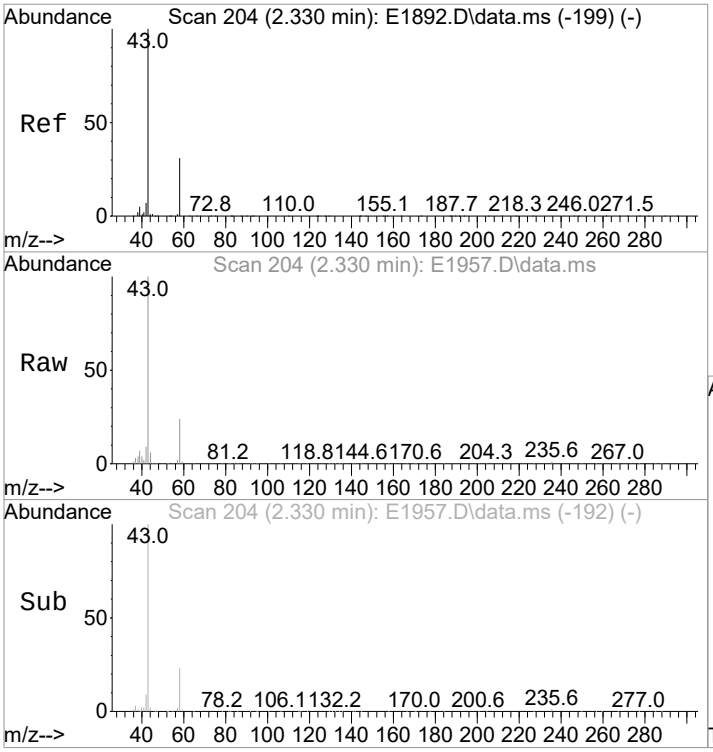


#6
Chloroethane
Concen: Below Cal
RT: 1.641 min Scan# 91
Delta R.T. -0.012 min
Lab File: E1957.D
Acq: 18 Jun 2019 6:20 am

Tgt Ion: 64 Resp: 257

Ion	Ratio	Lower	Upper
64	100		
66	12.3	10.7	50.7
49	4.1	8.7	48.7#
51	41.8	0.0	28.5#

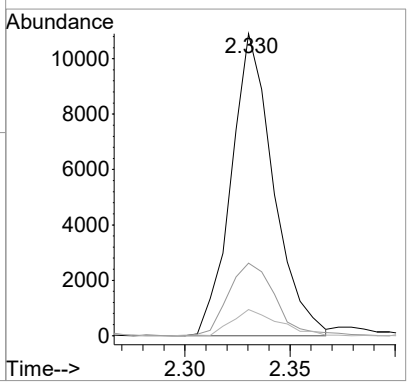


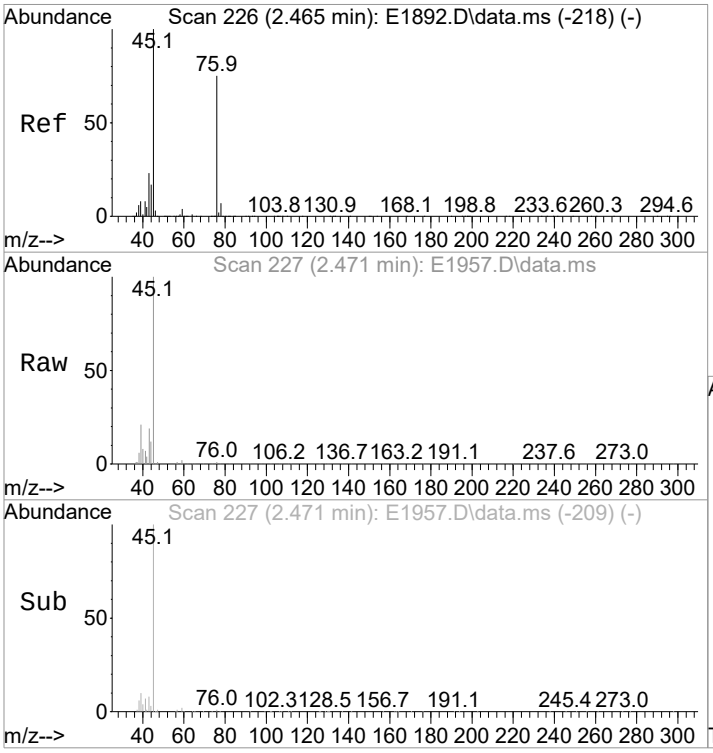


#15
Acetone
Concen: 12.14 ug/L
RT: 2.330 min Scan# 204
Delta R.T. -0.000 min
Lab File: E1957.D
Acq: 18 Jun 2019 6:20 am

Tgt Ion: 43 Resp: 15177

Ion	Ratio	Lower	Upper
43	100		
58	24.1	10.8	50.8
42	8.7	0.0	26.9

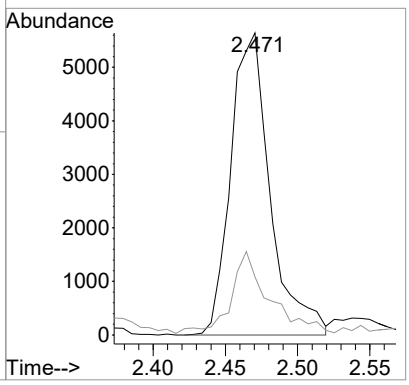


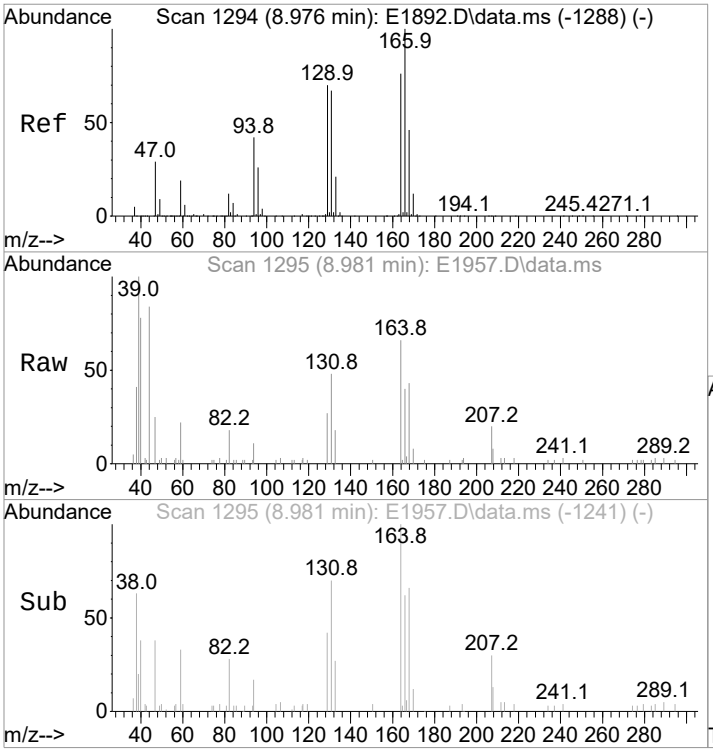


#16
2-Propanol
Concen: 55.02 ug/L
RT: 2.471 min Scan# 227
Delta R.T. 0.001 min
Lab File: E1957.D
Acq: 18 Jun 2019 6:20 am

Tgt Ion: 45 Resp: 10691

Ion	Ratio	Lower	Upper
45	100		
43	19.3	3.2	43.2

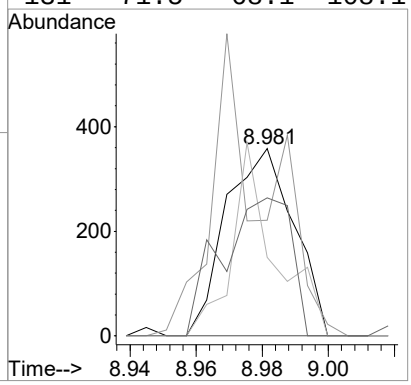




#71
Tetrachloroethene
Concen: 0.23 ug/L
RT: 8.981 min Scan# 1295
Delta R.T. -0.000 min
Lab File: E1957.D
Acq: 18 Jun 2019 6:20 am

Tgt Ion:164 Resp: 512

Ion	Ratio	Lower	Upper
164	100		
166	65.6	112.0	152.0#
129	40.7	71.8	111.8#
131	71.5	68.1	108.1



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061719\
Data File : E1958.D
Acq On : 18 Jun 2019 6:42 am
Operator : D.LIPANI
Sample : R1905417-008|1.0 Inst : MSVOA10
Misc : PSI 6684 T4
ALS Vial : 58 Sample Multiplier: 1

Quant Time: Jun 19 16:43:24 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration

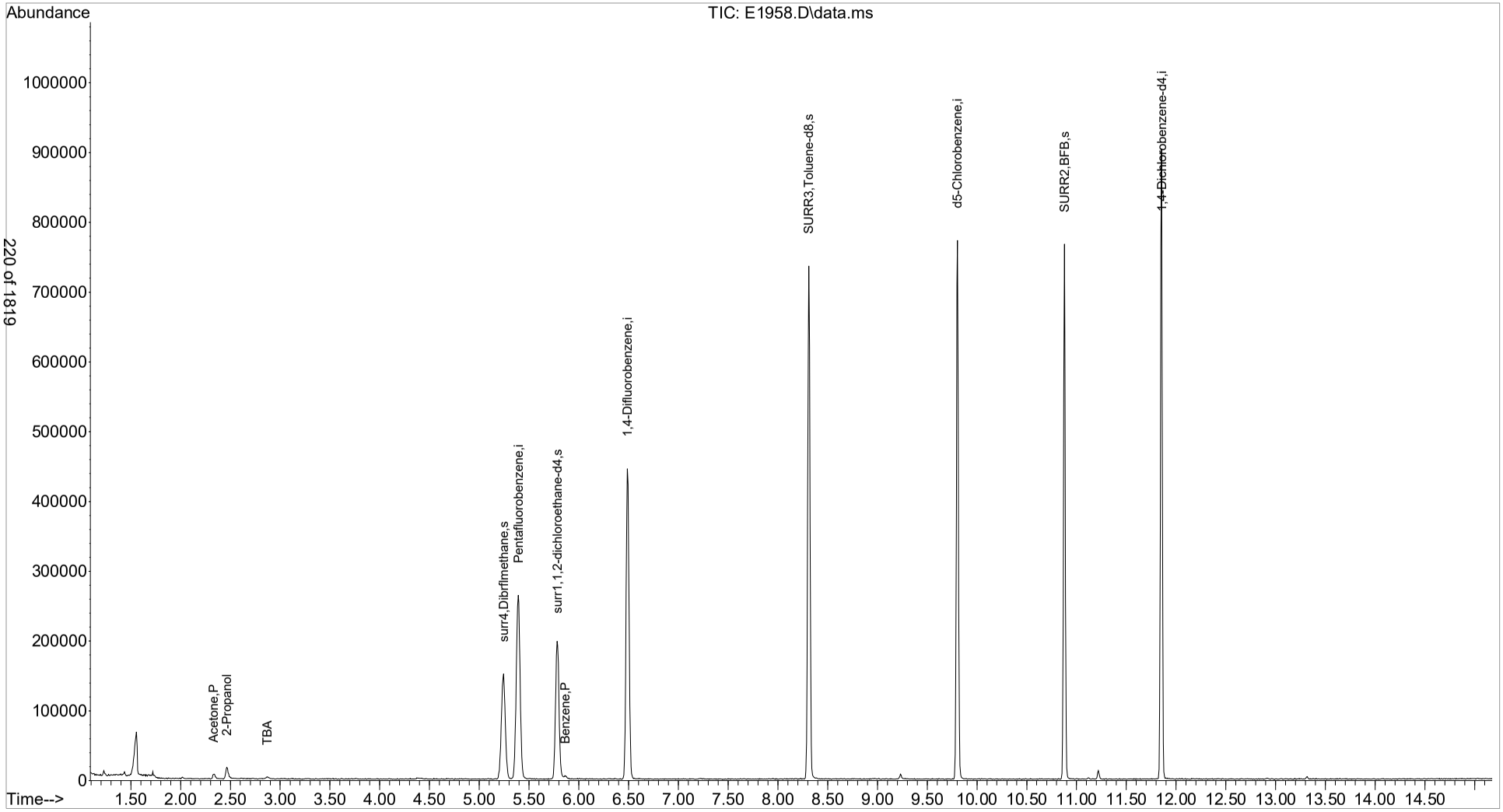
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.391	168	252645	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.488	114	375677	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.805	117	325191	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	172186	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.245	113	123496	50.27	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 100.54%			
46) surr1,1,2-dichloroetha...	5.787	65	170506	52.35	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 104.70%			
64) SURR3,Toluene-d8	8.311	98	430701	43.62	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 87.24%			
69) SURR2,BFB	10.878	95	178731	48.54	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 97.08%			
Target Compounds						Qvalue
5) Bromomethane	1.581	94	497	Below Cal	#	37
6) Chloroethane	1.611	64	377	Below Cal	#	55
15) Acetone	2.331	43	6900	5.37	ug/L	92
16) 2-Propanol	2.465	45	19557	96.90	ug/L	99
23) TBA	2.867	59	2447	8.25	ug/L	67
47) Benzene	5.860	78	3260	0.28	ug/L	72

(#) = qualifier out of range (m) = manual integration (+) = signals summed

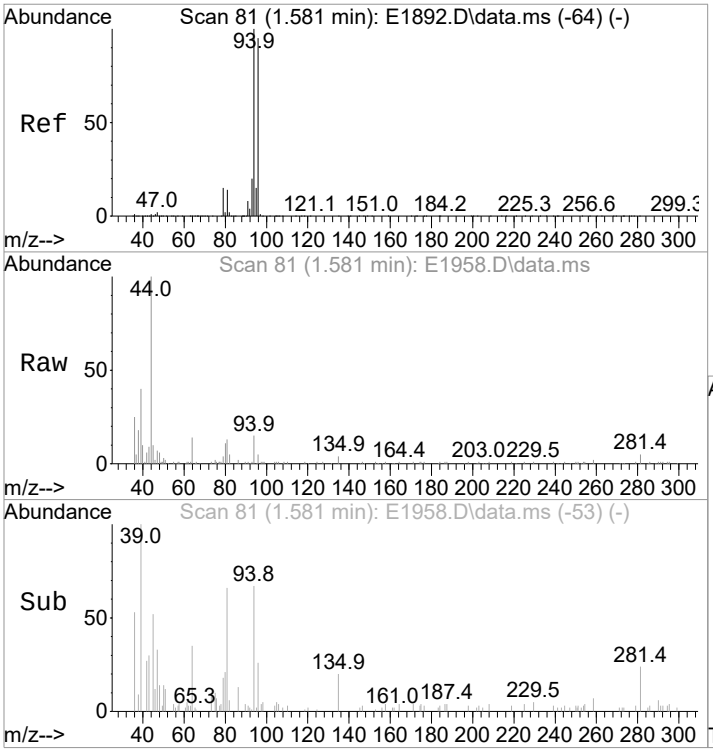
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061719\
Data File : E1958.D
Acq On : 18 Jun 2019 6:42 am
Operator : D.LIPANI
Sample : R1905417-008|1.0 Inst : MSVOA10
Misc : PSI 6684 T4
ALS Vial : 58 Sample Multiplier: 1

Quant Time: Jun 19 16:43:24 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration



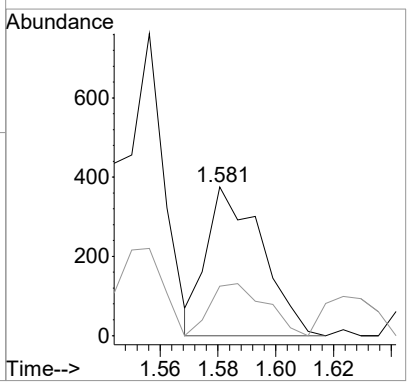
1st DL 06/19/19
2nd FJ 06/20/19

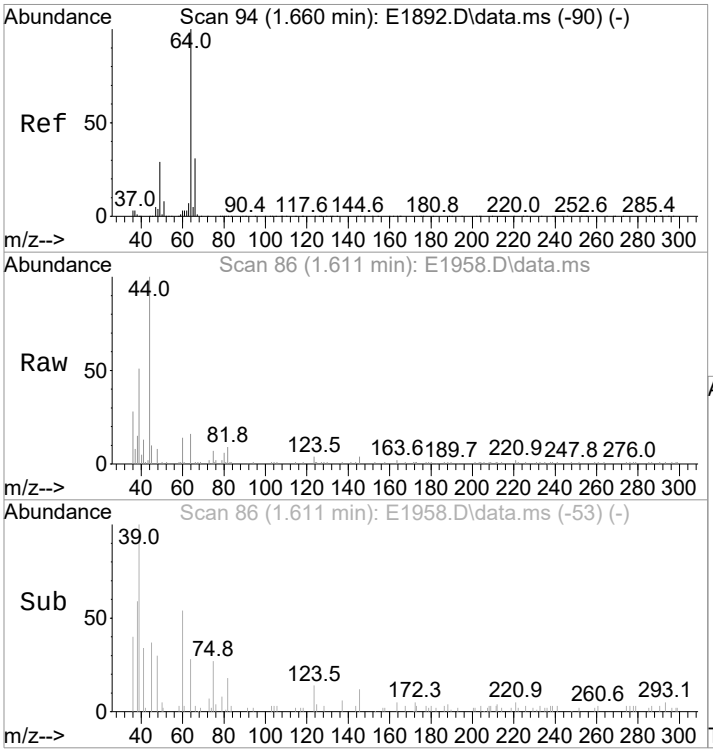


#5
Bromomethane
Concen: Below Cal
RT: 1.581 min Scan# 81
Delta R.T. 0.007 min
Lab File: E1958.D
Acq: 18 Jun 2019 6:42 am

Tgt Ion: 94 Resp: 497

Ion	Ratio	Lower	Upper
94	100		
96	33.3	74.7	114.7#

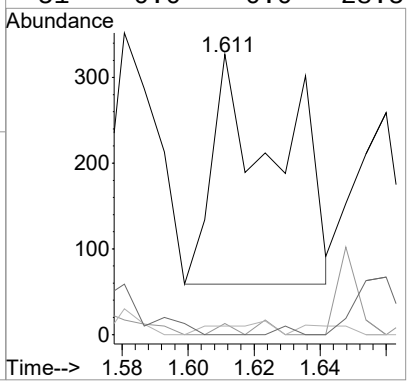


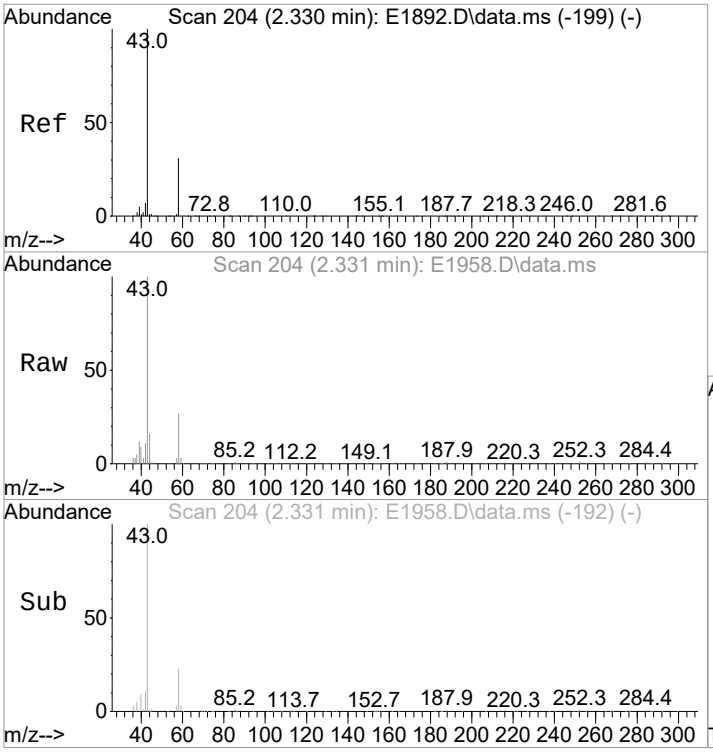


#6
Chloroethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. -0.042 min
Lab File: E1958.D
Acq: 18 Jun 2019 6:42 am

Tgt Ion: 64 Resp: 377

Ion	Ratio	Lower	Upper
64	100		
66	4.0	10.7	50.7#
49	3.1	8.7	48.7#
51	0.0	0.0	28.5

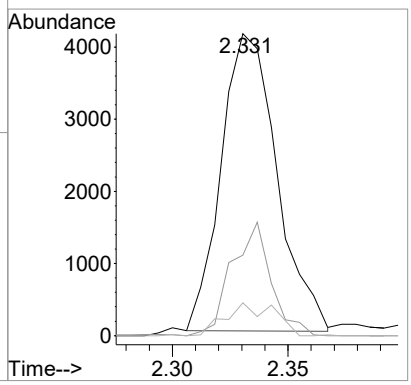


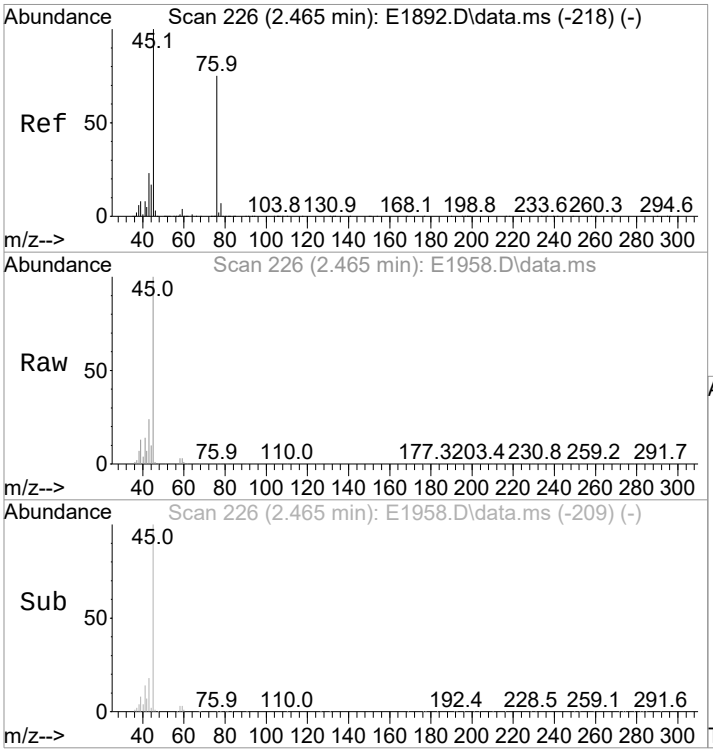


#15
Acetone
Concen: 5.37 ug/L
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: E1958.D
Acq: 18 Jun 2019 6:42 am

Tgt Ion: 43 Resp: 6900

Ion	Ratio	Lower	Upper
43	100		
58	26.6	10.8	50.8
42	10.9	0.0	26.9

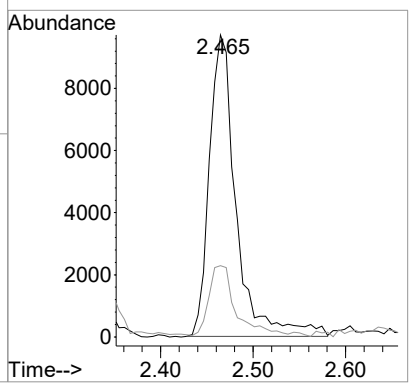


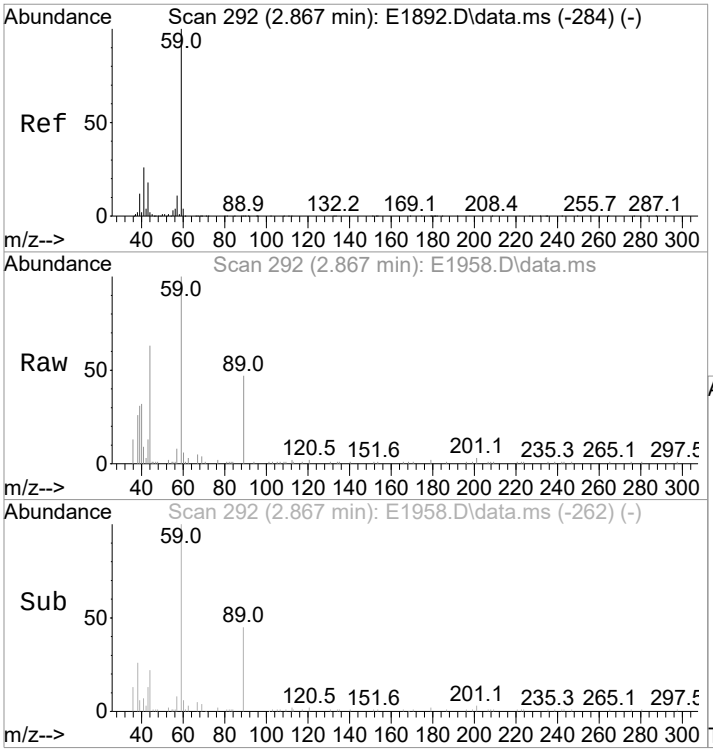


#16
2-Propanol
Concen: 96.90 ug/L
RT: 2.465 min Scan# 226
Delta R.T. -0.005 min
Lab File: E1958.D
Acq: 18 Jun 2019 6:42 am

Tgt Ion: 45 Resp: 19557

Ion	Ratio	Lower	Upper
45	100		
43	23.6	3.2	43.2

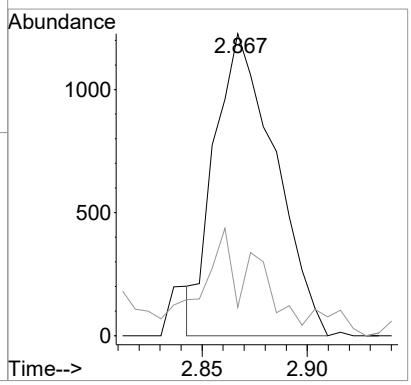


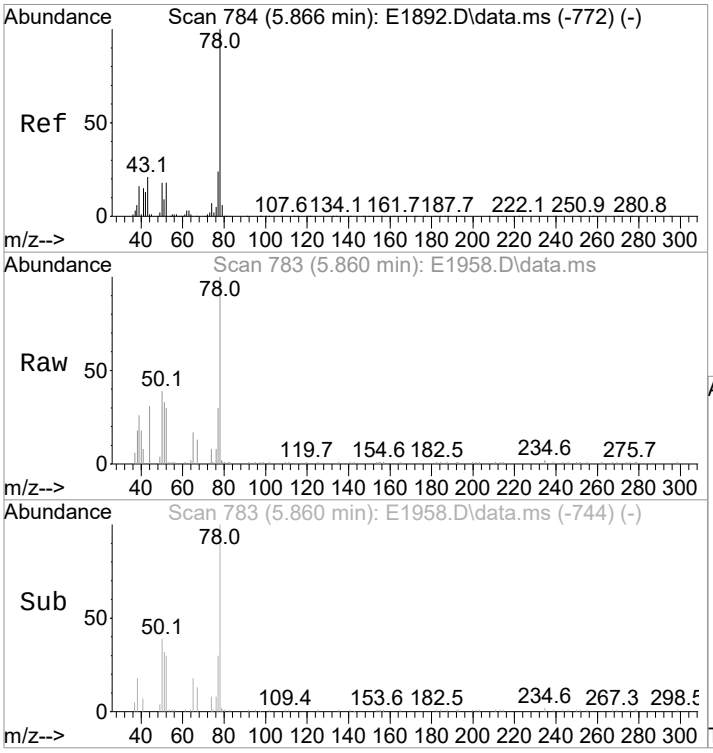


#23
TBA
Concen: 8.25 ug/L
RT: 2.867 min Scan# 292
Delta R.T. -0.006 min
Lab File: E1958.D
Acq: 18 Jun 2019 6:42 am

Tgt Ion: 59 Resp: 2447

Ion	Ratio	Lower	Upper
59	100		
41	9.4	6.3	46.3

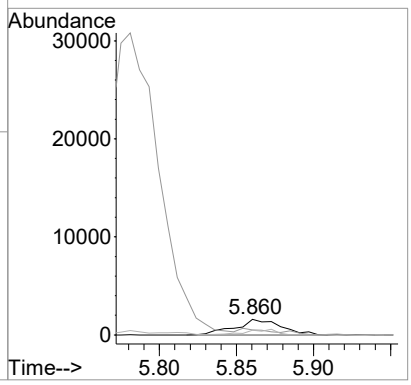




#47
Benzene
Concen: 0.28 ug/L
RT: 5.860 min Scan# 783
Delta R.T. -0.006 min
Lab File: E1958.D
Acq: 18 Jun 2019 6:42 am

Tgt Ion: 78 Resp: 3260

Ion	Ratio	Lower	Upper
78	100		
51	32.5	0.0	38.8
52	29.5	0.0	38.0



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061819\
Data File : E1975.D
Acq On : 18 Jun 2019 2:13 pm
Operator : D.LIPANI
Sample : R1905417-009|1.0 Inst : MSVOA10
Misc : PSI 6684 T4
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 20 19:22:23 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration

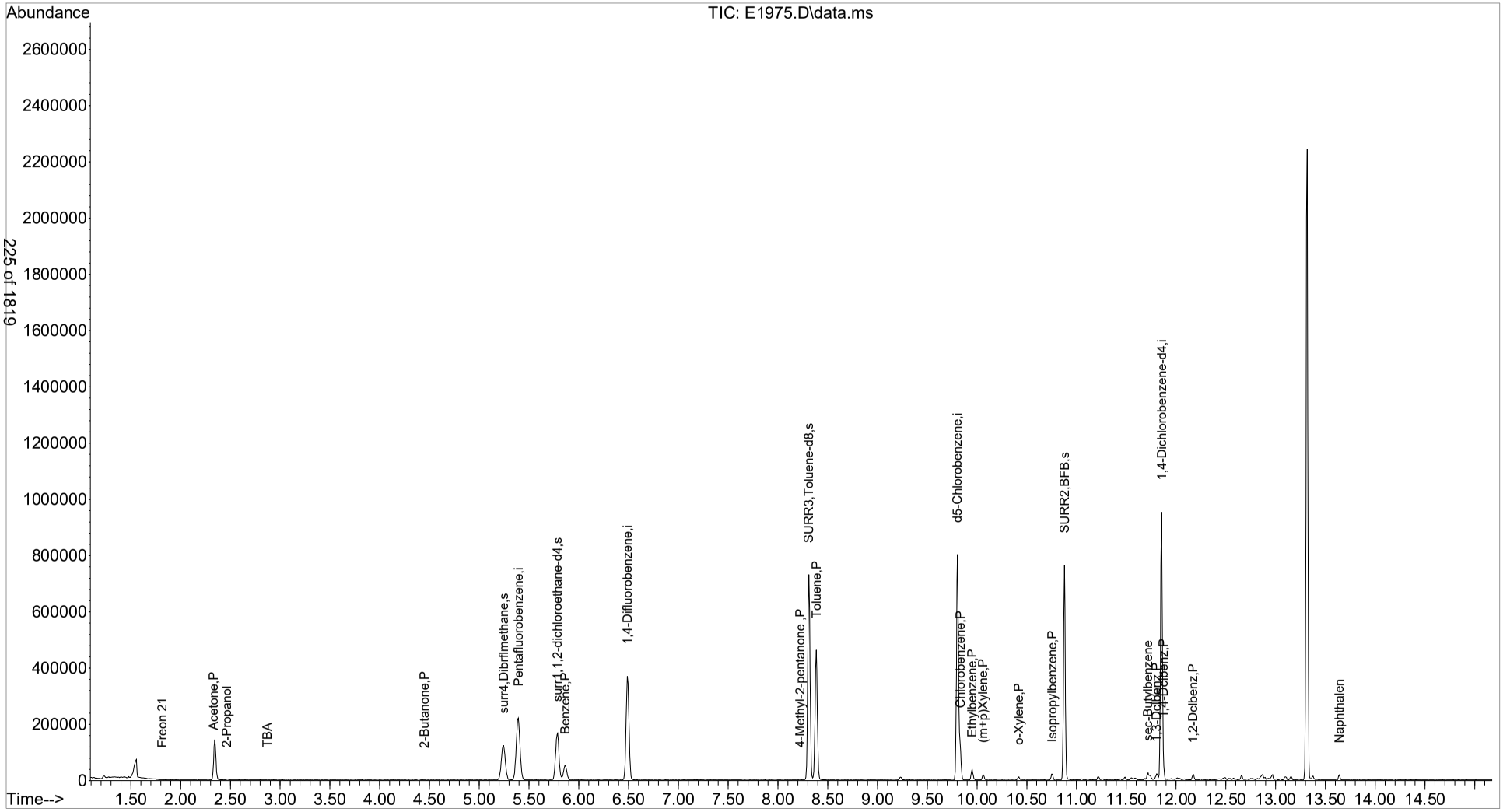
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.391	168	207451	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.488	114	306490	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	331250	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	179014	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.244	113	105039	52.41	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 104.82%				
46) surr1,1,2-dichloroetha...	5.787	65	140742	52.96	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 105.92%				
64) SURR3,Toluene-d8	8.311	98	419571	52.09	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 104.18%				
69) SURR2,BFB	10.878	95	182587	60.78	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 121.56%				
Target Compounds							Qvalue
5) Bromomethane	1.581	94	575	Below Cal		#	32
7) Freon 21	1.812	67	815	0.23	ug/L	#	58
15) Acetone	2.330	43	9921	9.40	ug/L		86
16) 2-Propanol	2.465	45	3538	21.73	ug/L		86
23) TBA	2.873	59	1315	5.40	ug/L	#	59
34) 2-Butanone	4.446	43	817	0.46	ug/L		72
47) Benzene	5.866	78	51198	5.47	ug/L		99
63) 4-Methyl-2-pentanone	8.226	43	1658	0.47	ug/L		83
65) Toluene	8.384	91	288535	29.68	ug/L		98
78) Chlorobenzene	9.829	112	49084	6.66	ug/L		94
81) Ethylbenzene	9.951	106	6384	1.63	ug/L		95
82) (m+p)Xylene	10.061	106	4378	0.90	ug/L		99
83) o-Xylene	10.420	106	1695	0.36	ug/L	#	63
87) Isopropylbenzene	10.756	105	11260	0.93	ug/L		92
102) sec-Butylbenzene	11.719	105	12162	0.96	ug/L		87
104) 1,3-Dclbenz	11.804	146	2711	0.46	ug/L		87
105) 1,4-Dclbenz	11.871	146	13773	2.28	ug/L		92
109) 1,2-Dclbenz	12.170	146	5310	0.88	ug/L		90
116) Naphthalen	13.639	128	10360	0.94	ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

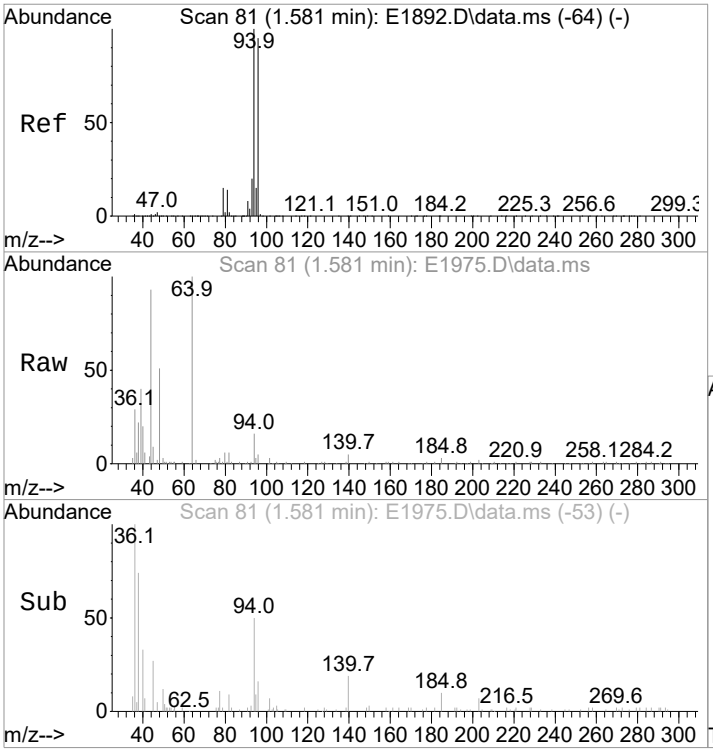
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061819\
Data File : E1975.D
Acq On : 18 Jun 2019 2:13 pm
Operator : D.LIPANI
Sample : R1905417-009|1.0 Inst : MSVOA10
Misc : PSI 6684 T4
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 20 19:22:23 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration



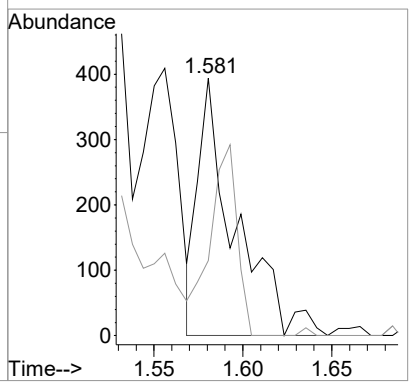
1st DL 06/21/19
2nd FJ 06/21/19

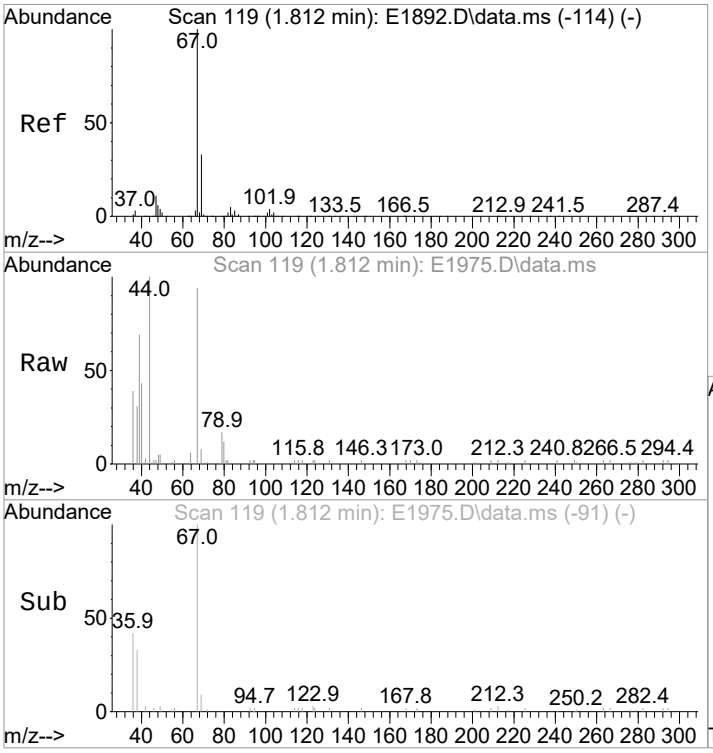


#5
Bromomethane
Concen: Below Cal
RT: 1.581 min Scan# 81
Delta R.T. 0.007 min
Lab File: E1975.D
Acq: 18 Jun 2019 2:13 pm

Tgt Ion: 94 Resp: 575

Ion	Ratio	Lower	Upper
94	100		
96	29.2	74.7	114.7#

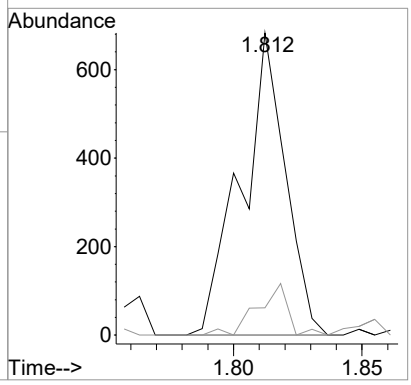


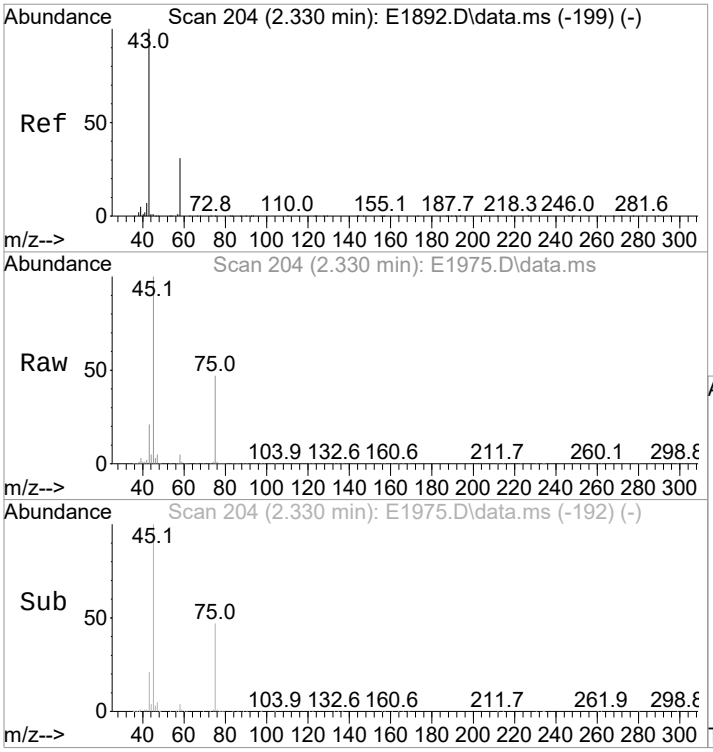


#7
Freon 21
Concen: 0.23 ug/L
RT: 1.812 min Scan# 119
Delta R.T. 0.006 min
Lab File: E1975.D
Acq: 18 Jun 2019 2:13 pm

Tgt Ion: 67 Resp: 815

Ion	Ratio	Lower	Upper
67	100		
69	9.1	13.1	53.1#

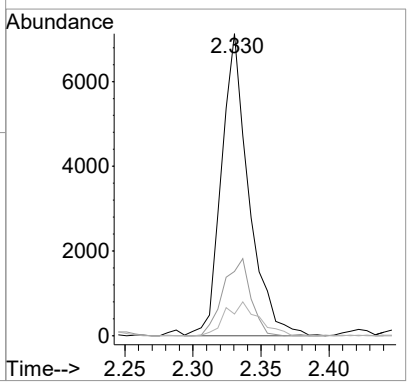


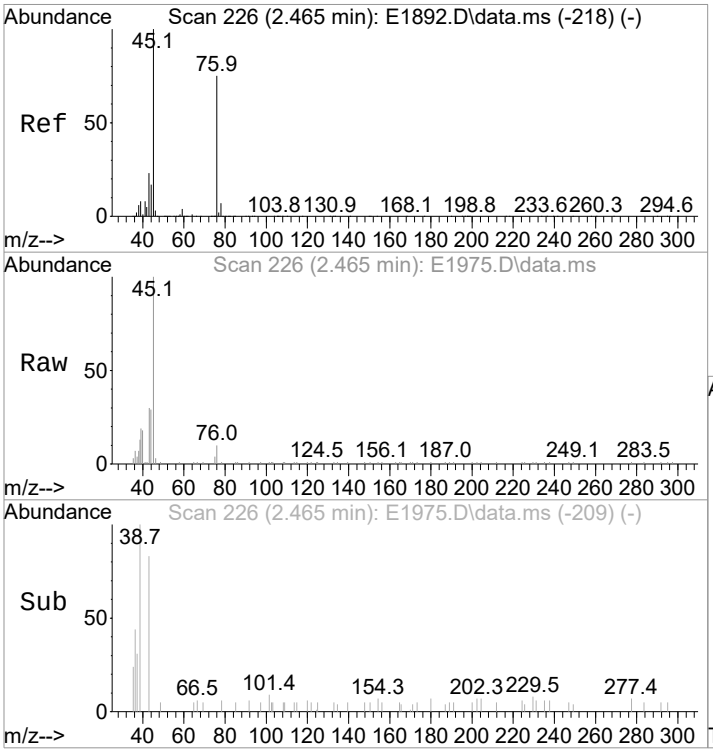


#15
Acetone
Concen: 9.40 ug/L
RT: 2.330 min Scan# 204
Delta R.T. -0.000 min
Lab File: E1975.D
Acq: 18 Jun 2019 2:13 pm

Tgt Ion: 43 Resp: 9921

Ion	Ratio	Lower	Upper
43	100		
58	21.3	10.8	50.8
42	7.2	0.0	26.9

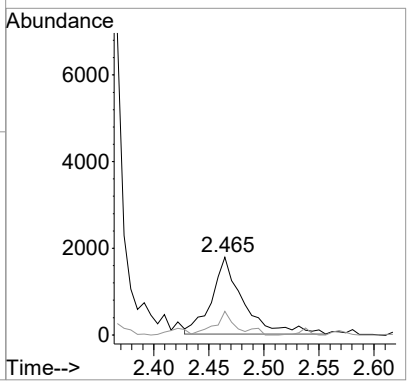


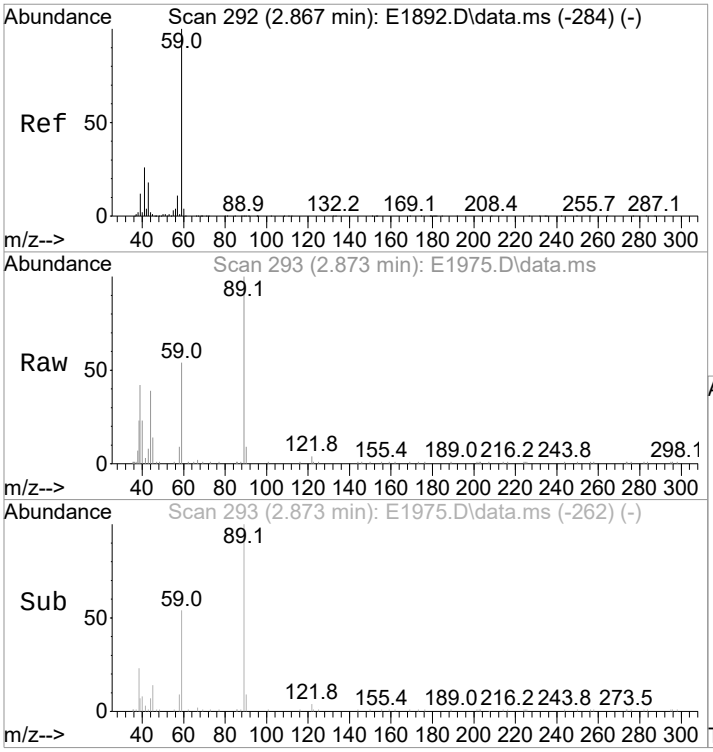


#16
2-Propanol
Concen: 21.73 ug/L
RT: 2.465 min Scan# 226
Delta R.T. -0.005 min
Lab File: E1975.D
Acq: 18 Jun 2019 2:13 pm

Tgt Ion: 45 Resp: 3538

Ion	Ratio	Lower	Upper
45	100		
43	30.2	3.2	43.2

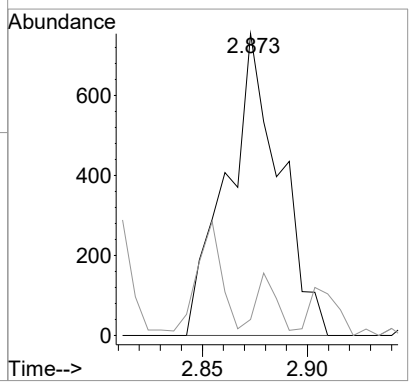


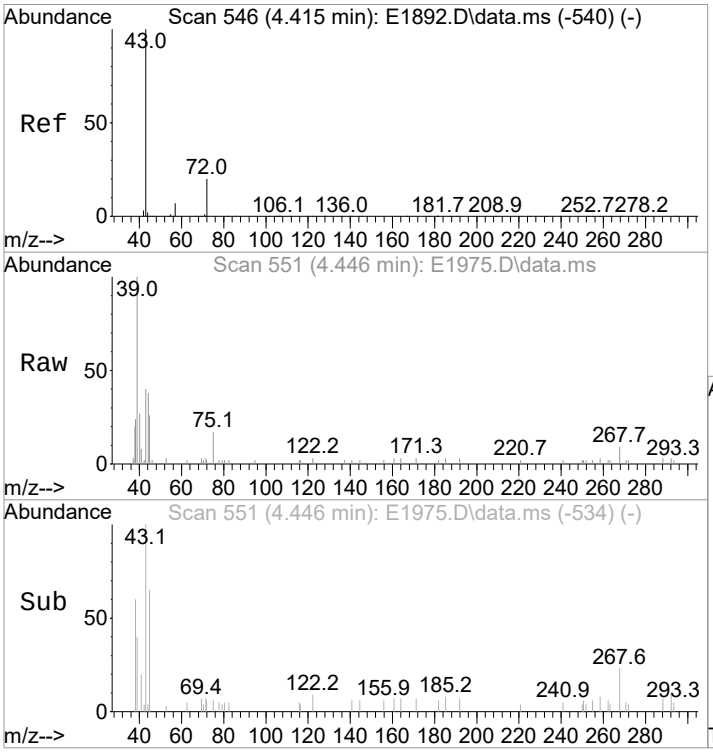


#23
TBA
Concen: 5.40 ug/L
RT: 2.873 min Scan# 293
Delta R.T. -0.000 min
Lab File: E1975.D
Acq: 18 Jun 2019 2:13 pm

Tgt Ion: 59 Resp: 1315

Ion	Ratio	Lower	Upper
59	100		
41	5.3	6.3	46.3#

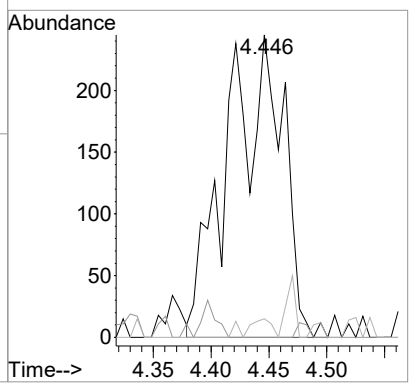


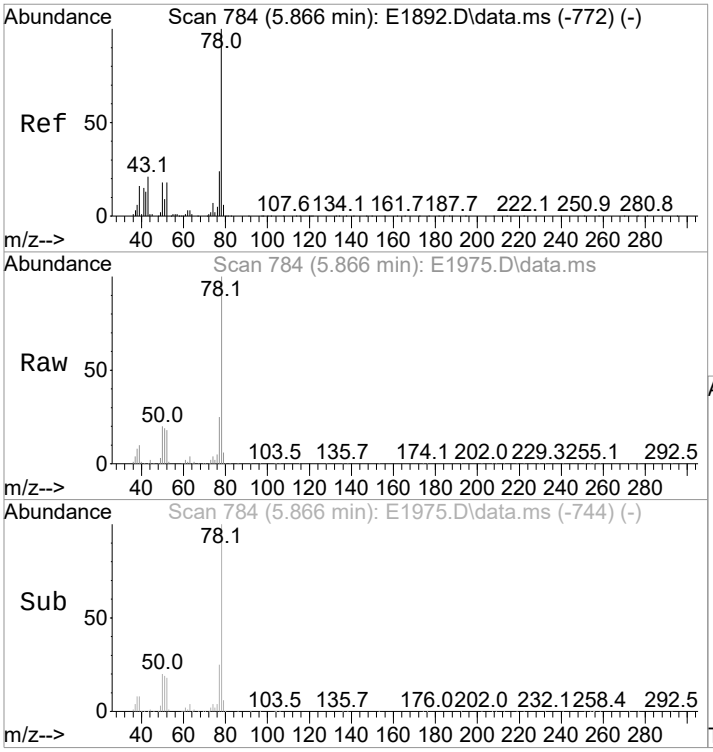


#34
2-Butanone
Concen: 0.46 ug/L
RT: 4.446 min Scan# 551
Delta R.T. 0.030 min
Lab File: E1975.D
Acq: 18 Jun 2019 2:13 pm

Tgt Ion: 43 Resp: 817

Ion	Ratio	Lower	Upper
43	100		
57	0.0	0.0	26.7
72	6.1	0.1	40.1

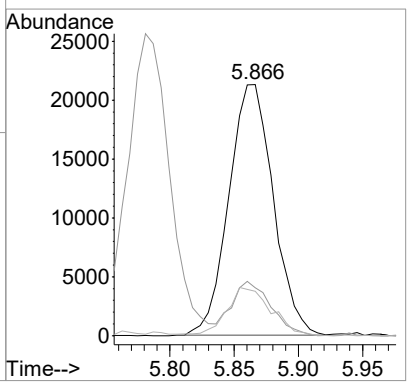


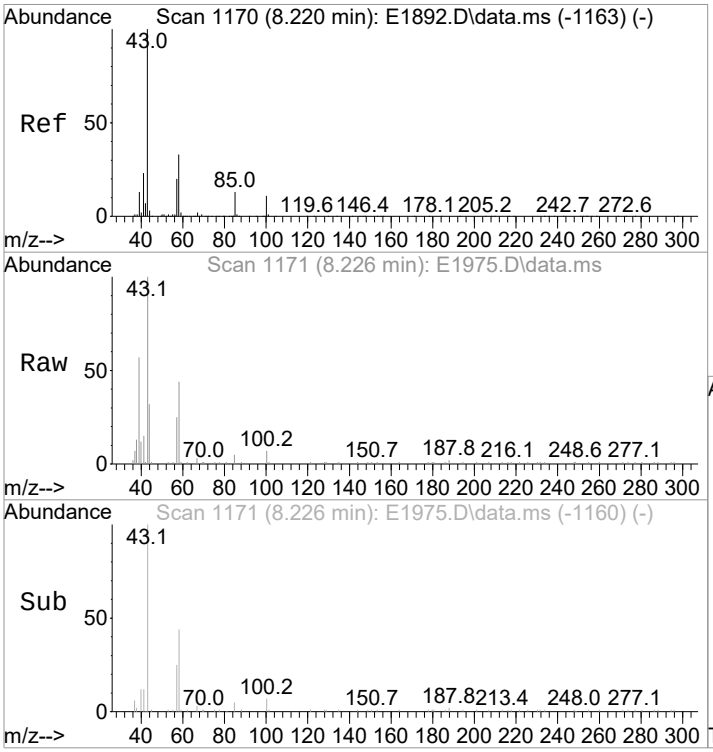


#47
Benzene
Concen: 5.47 ug/L
RT: 5.866 min Scan# 784
Delta R.T. -0.000 min
Lab File: E1975.D
Acq: 18 Jun 2019 2:13 pm

Tgt Ion: 78 Resp: 51198

Ion	Ratio	Lower	Upper
78	100		
51	19.0	0.0	38.8
52	17.6	0.0	38.0

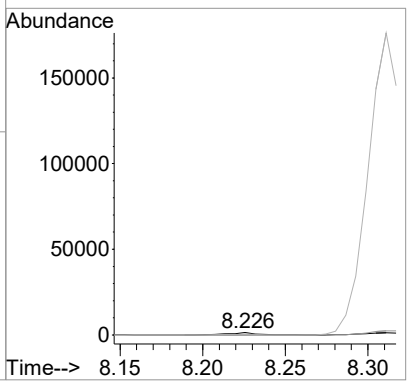


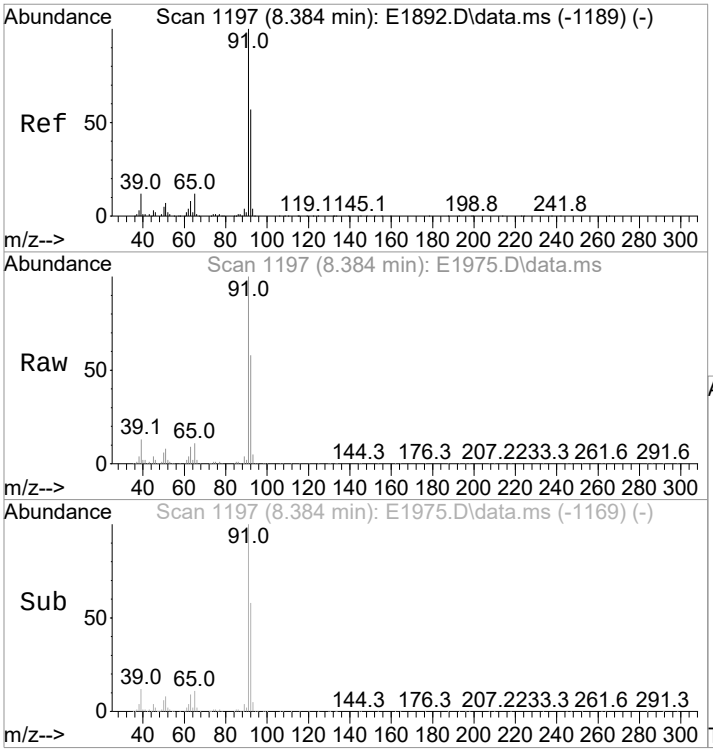


#63
4-Methyl-2-pentanone
Concen: 0.47 ug/L
RT: 8.226 min Scan# 1171
Delta R.T. 0.006 min
Lab File: E1975.D
Acq: 18 Jun 2019 2:13 pm

Tgt Ion: 43 Resp: 1658

Ion	Ratio	Lower	Upper
43	100		
58	44.4	13.2	53.2
100	7.3	0.0	31.3

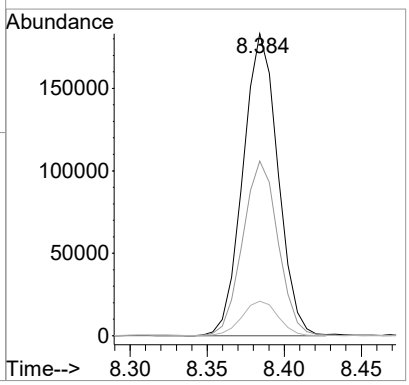


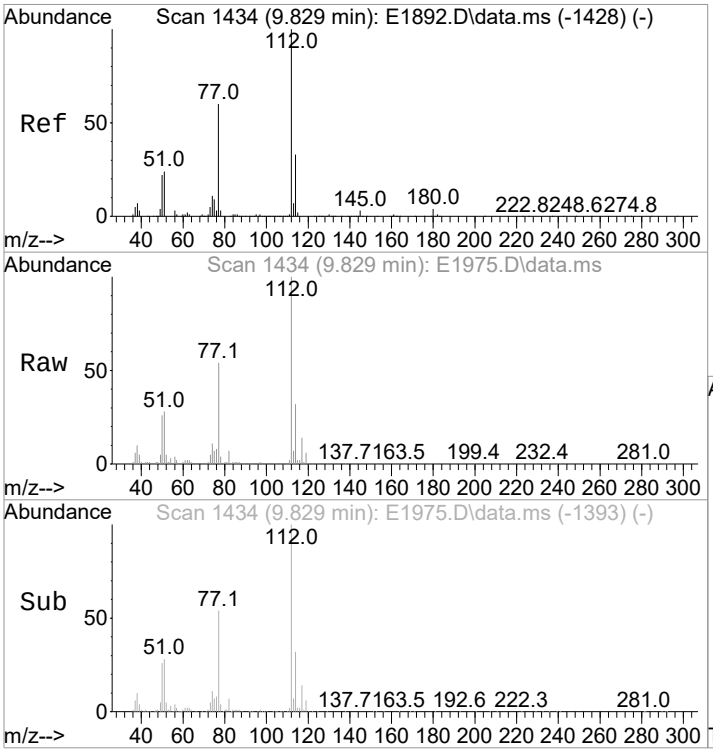


#65
Toluene
Concen: 29.68 ug/L
RT: 8.384 min Scan# 1197
Delta R.T. -0.000 min
Lab File: E1975.D
Acq: 18 Jun 2019 2:13 pm

Tgt Ion: 91 Resp: 288535

Ion	Ratio	Lower	Upper
91	100		
92	57.9	36.5	76.5
65	11.4	0.0	31.7

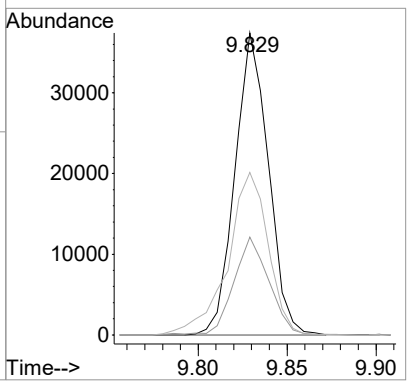


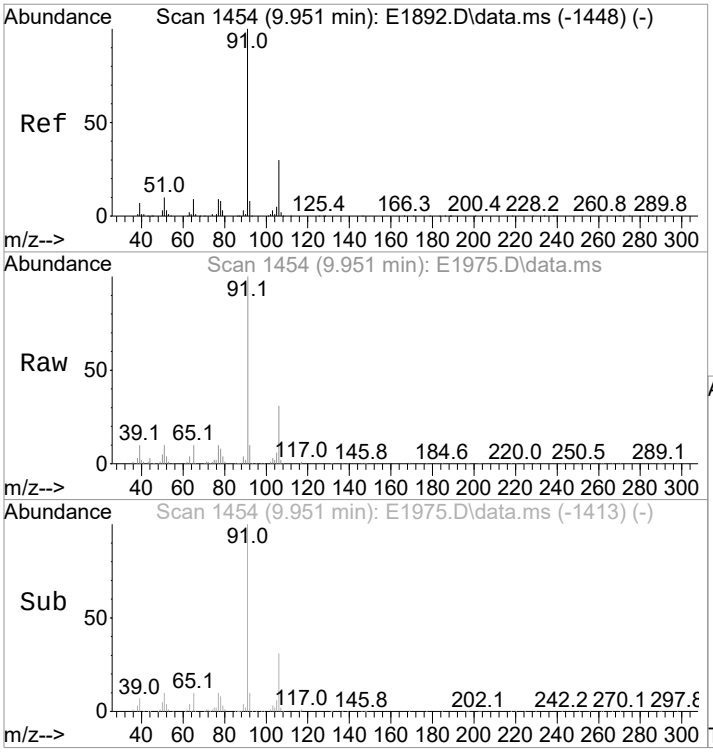


#78
Chlorobenzene
Concen: 6.66 ug/L
RT: 9.829 min Scan# 1434
Delta R.T. -0.000 min
Lab File: E1975.D
Acq: 18 Jun 2019 2:13 pm

Tgt Ion:112 Resp: 49084

Ion	Ratio	Lower	Upper
112	100		
114	32.3	13.0	53.0
77	53.8	40.3	80.3

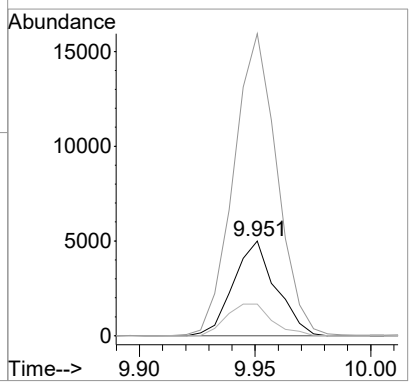


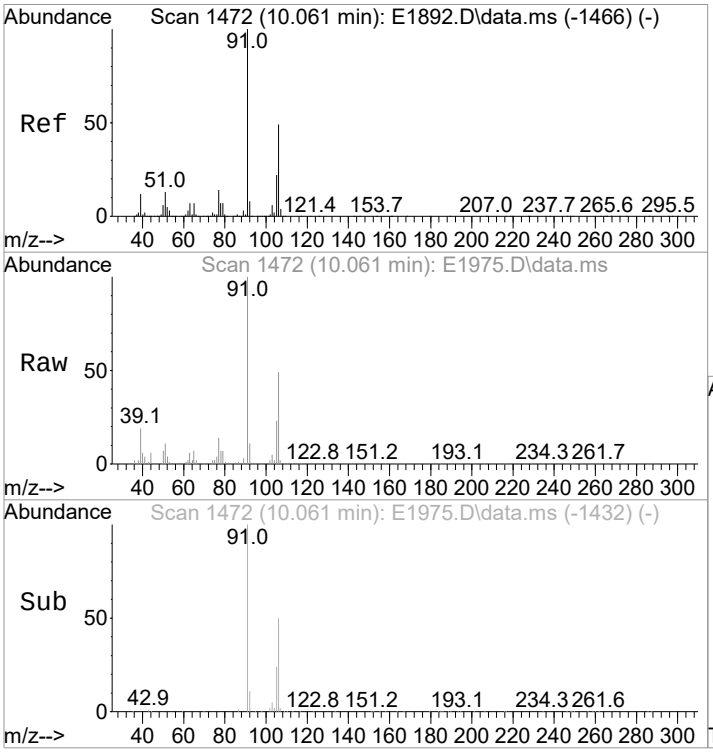


#81
Ethylbenzene
Concen: 1.63 ug/L
RT: 9.951 min Scan# 1454
Delta R.T. -0.000 min
Lab File: E1975.D
Acq: 18 Jun 2019 2:13 pm

Tgt Ion:106 Resp: 6384

Ion	Ratio	Lower	Upper
106	100		
91	319.4	308.5	348.5
65	33.3	10.0	50.0

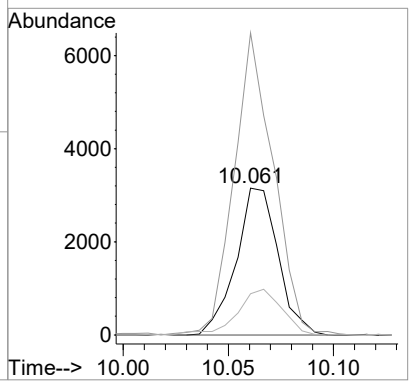


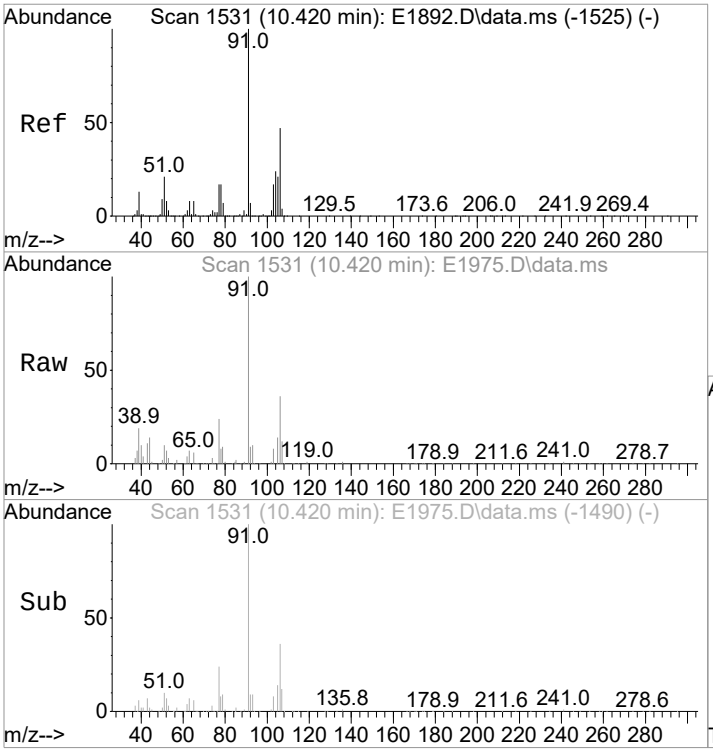


#82
(m+p)Xylene
Concen: 0.90 ug/L
RT: 10.061 min Scan# 1472
Delta R.T. -0.006 min
Lab File: E1975.D
Acq: 18 Jun 2019 2:13 pm

Tgt Ion:106 Resp: 4378

Ion	Ratio	Lower	Upper
106	100		
91	205.5	186.1	226.1
77	28.0	9.0	49.0

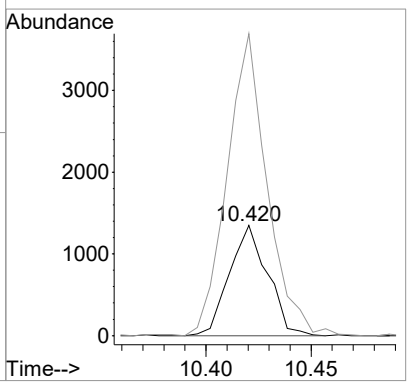


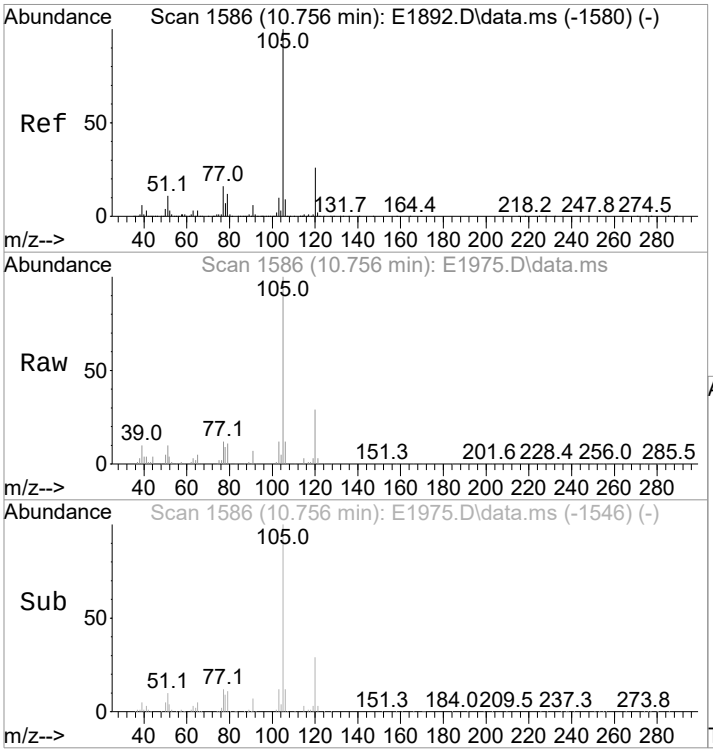


#83
o-Xylene
Concen: 0.36 ug/L
RT: 10.420 min Scan# 1531
Delta R.T. -0.000 min
Lab File: E1975.D
Acq: 18 Jun 2019 2:13 pm

Tgt Ion:106 Resp: 1695

Ion	Ratio	Lower	Upper
106	100		
91	274.0	194.7	234.7#

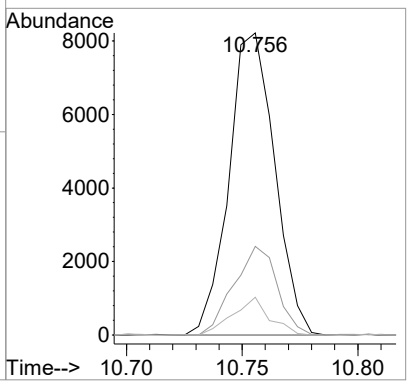


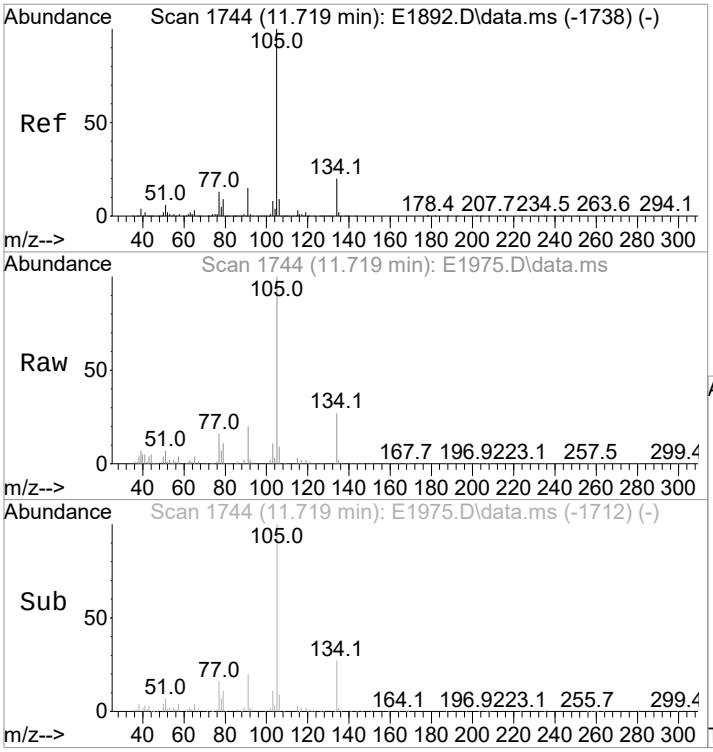


#87
Isopropylbenzene
Concen: 0.93 ug/L
RT: 10.756 min Scan# 1586
Delta R.T. -0.000 min
Lab File: E1975.D
Acq: 18 Jun 2019 2:13 pm

Tgt Ion:105 Resp: 11260

Ion	Ratio	Lower	Upper
105	100		
120	29.3	5.6	45.6
106	12.5	0.0	28.8

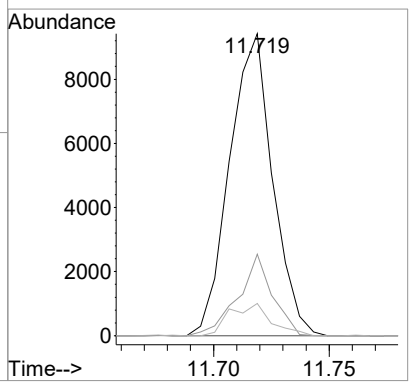


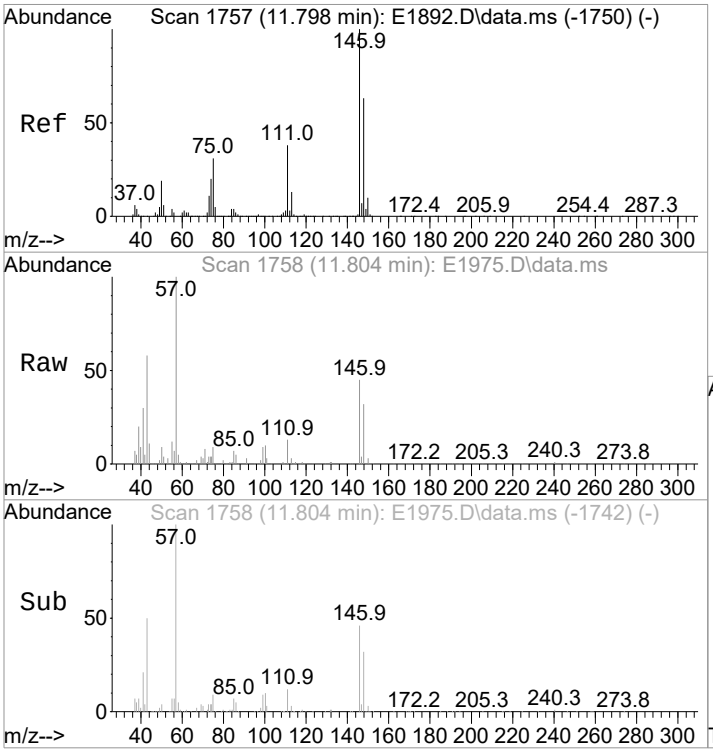


#102
sec-Butylbenzene
Concen: 0.96 ug/L
RT: 11.719 min Scan# 1744
Delta R.T. -0.000 min
Lab File: E1975.D
Acq: 18 Jun 2019 2:13 pm

Tgt Ion:105 Resp: 12162

Ion	Ratio	Lower	Upper
105	100		
134	27.0	0.0	39.7
103	10.7	0.0	28.1

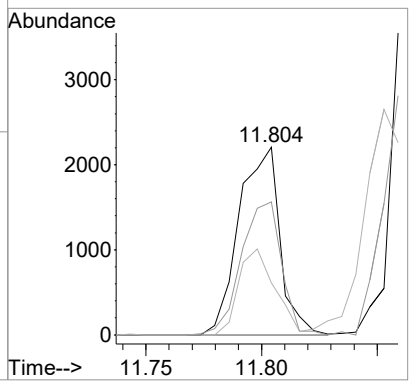


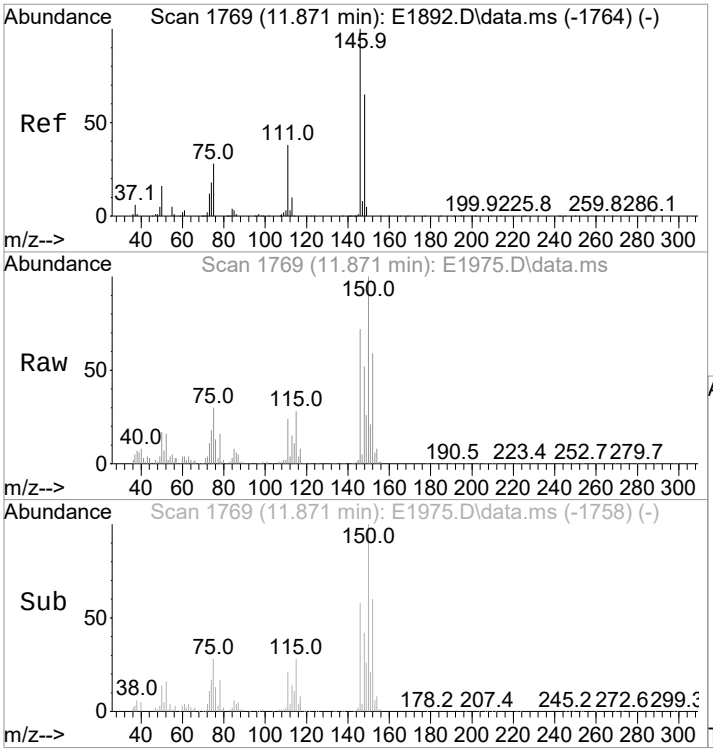


#104
1,3-Dclbenz
Concen: 0.46 ug/L
RT: 11.804 min Scan# 1758
Delta R.T. 0.006 min
Lab File: E1975.D
Acq: 18 Jun 2019 2:13 pm

Tgt Ion:146 Resp: 2711

Ion	Ratio	Lower	Upper
146	100		
148	70.9	43.1	83.1
111	27.8	18.5	58.5

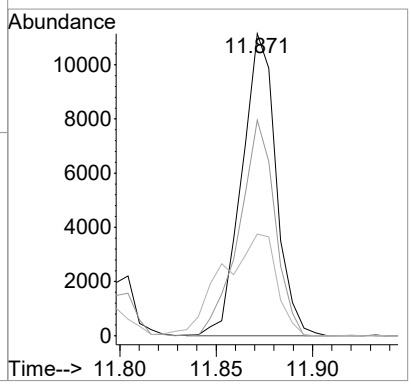


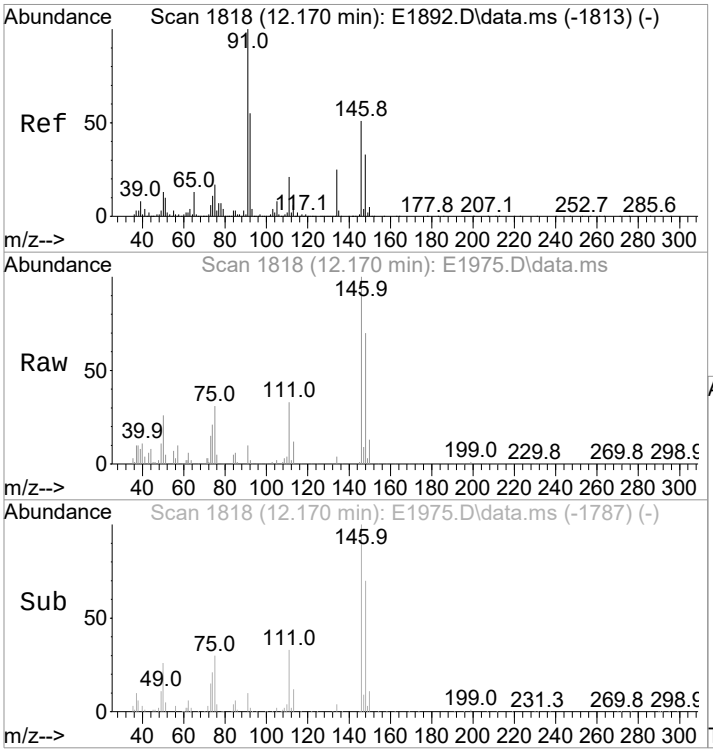


#105
1,4-Dclbenz
Concen: 2.28 ug/L
RT: 11.871 min Scan# 1769
Delta R.T. -0.000 min
Lab File: E1975.D
Acq: 18 Jun 2019 2:13 pm

Tgt Ion:146 Resp: 13773

Ion	Ratio	Lower	Upper
146	100		
148	71.4	44.7	84.7
111	33.7	18.3	58.3

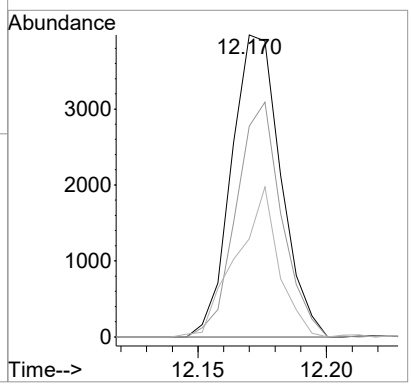


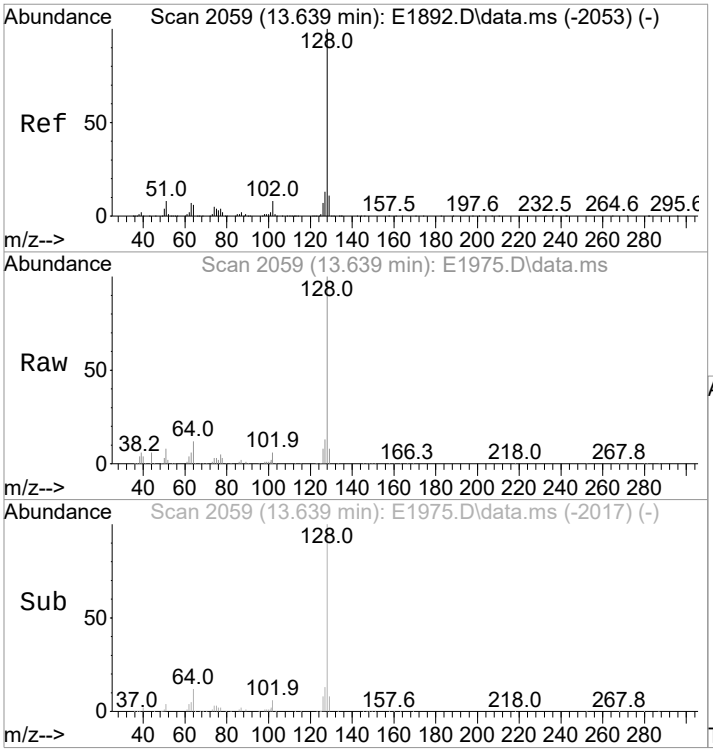


#109
1,2-Dclbenz
Concen: 0.88 ug/L
RT: 12.170 min Scan# 1818
Delta R.T. -0.006 min
Lab File: E1975.D
Acq: 18 Jun 2019 2:13 pm

Tgt Ion:146 Resp: 5310

Ion	Ratio	Lower	Upper
146	100		
148	69.8	44.1	84.1
111	32.5	21.3	61.3

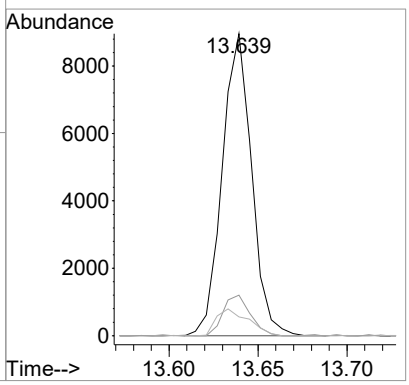




#116
Naphthalen
Concen: 0.94 ug/L
RT: 13.639 min Scan# 2059
Delta R.T. -0.000 min
Lab File: E1975.D
Acq: 18 Jun 2019 2:13 pm

Tgt Ion:128 Resp: 10360

Ion	Ratio	Lower	Upper
128	100		
127	13.4	0.0	33.1
102	6.2	0.0	28.0



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061719\
Data File : E1959.D
Acq On : 18 Jun 2019 7:04 am
Operator : D.LIPANI
Sample : R1905417-013|1.0 Inst : MSVOA10
Misc : PSI 6684 T4
ALS Vial : 59 Sample Multiplier: 1

Quant Time: Jun 19 16:47:01 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration

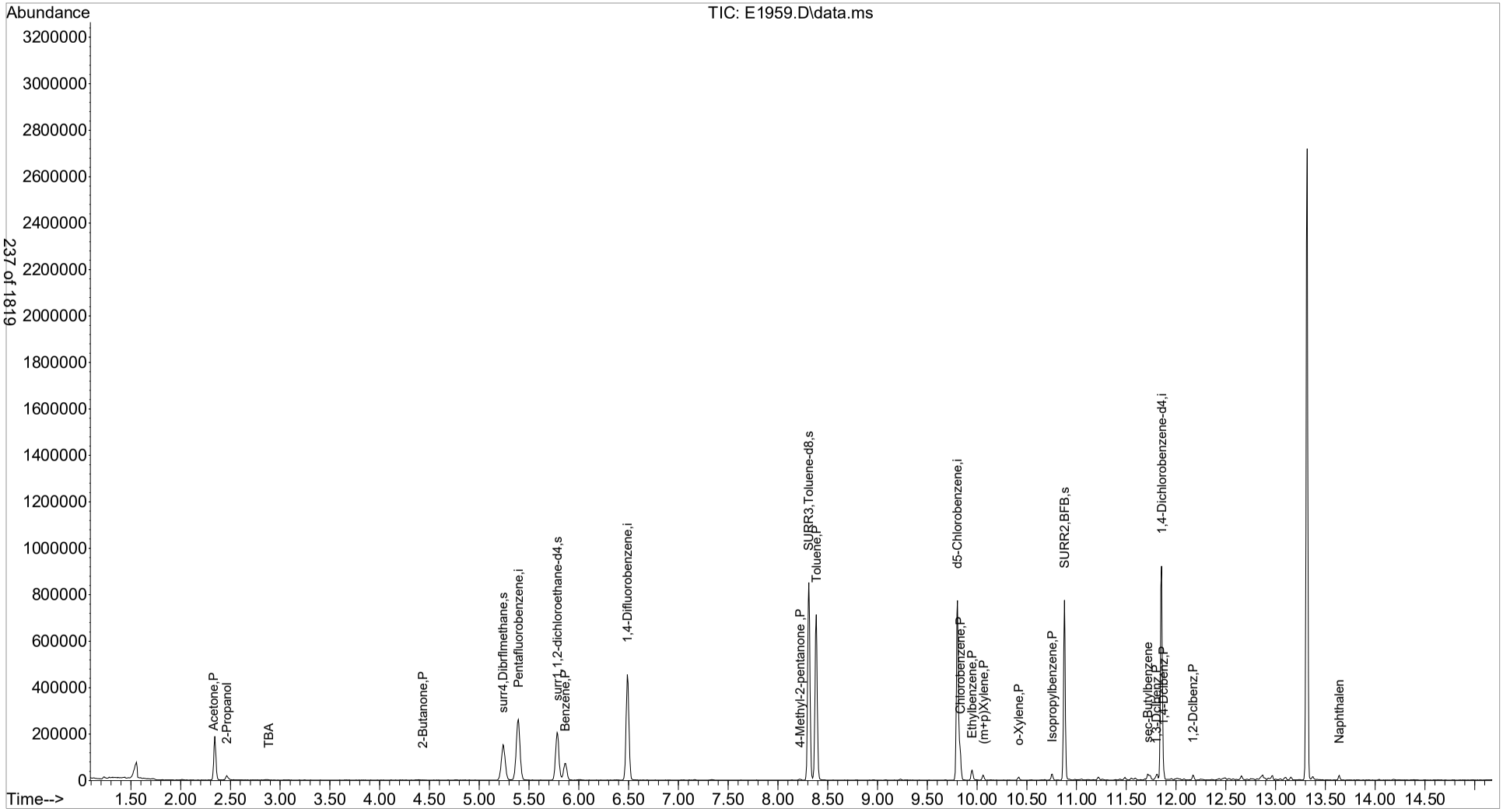
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.391	168	247026	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.488	114	371133	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	327078	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	176346	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.238	113	122819	50.61	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 101.22%				
46) surr1,1,2-dichloroetha...	5.781	65	172491	53.61	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 107.22%				
64) SURR3,Toluene-d8	8.311	98	496030	50.85	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.70%				
69) SURR2,BFB	10.878	95	179781	49.42	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 98.84%				
Target Compounds							Qvalue
5) Bromomethane	1.587	94	493	Below Cal		#	59
15) Acetone	2.330	43	8895	7.08	ug/L		96
16) 2-Propanol	2.465	45	20872	105.55	ug/L		95
23) TBA	2.885	59	1686	5.82	ug/L		95
34) 2-Butanone	4.434	43	1028	0.49	ug/L		84
47) Benzene	5.866	78	74907	6.61	ug/L		98
63) 4-Methyl-2-pentanone	8.220	43	2349	0.55	ug/L		89
65) Toluene	8.384	91	450885	38.30	ug/L		98
78) Chlorobenzene	9.829	112	52254	7.18	ug/L		98
81) Ethylbenzene	9.951	106	6863	1.77	ug/L	#	84
82) (m+p)Xylene	10.067	106	4770	1.00	ug/L		89
83) o-Xylene	10.420	106	2296	0.49	ug/L		94
87) Isopropylbenzene	10.756	105	12375	1.03	ug/L		96
102) sec-Butylbenzene	11.713	105	12498	1.00	ug/L		98
104) 1,3-Dclbenz	11.798	146	2884	0.49	ug/L	#	71
105) 1,4-Dclbenz	11.871	146	14158	2.38	ug/L		96
109) 1,2-Dclbenz	12.170	146	6375	1.08	ug/L		93
116) Naphthalen	13.639	128	10979	1.01	ug/L		92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

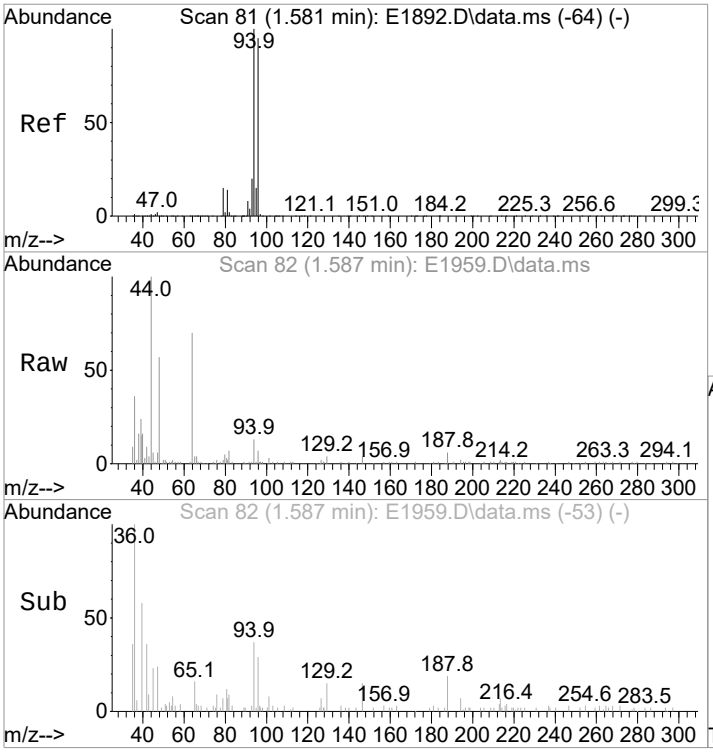
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061719\
Data File : E1959.D
Acq On : 18 Jun 2019 7:04 am
Operator : D.LIPANI
Sample : R1905417-013|1.0 Inst : MSVOA10
Misc : PSI 6684 T4
ALS Vial : 59 Sample Multiplier: 1

Quant Time: Jun 19 16:47:01 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration



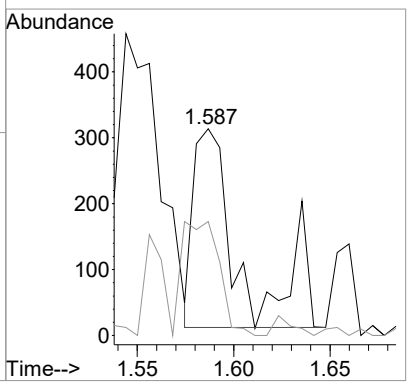
1st DL 06/19/19
2nd FJ 06/20/19

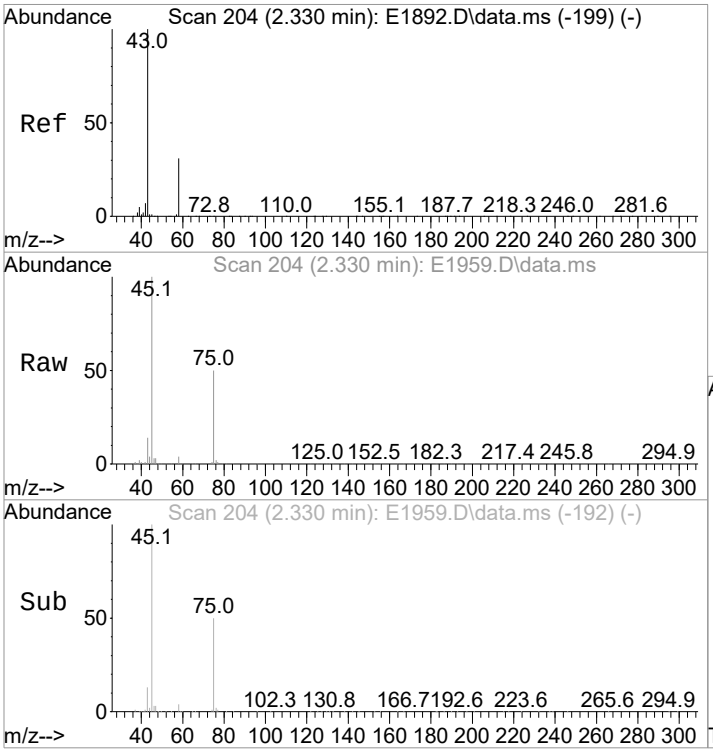


#5
Bromomethane
Concen: Below Cal
RT: 1.587 min Scan# 82
Delta R.T. 0.013 min
Lab File: E1959.D
Acq: 18 Jun 2019 7:04 am

Tgt Ion: 94 Resp: 493

Ion	Ratio	Lower	Upper
94	100		
96	55.1	74.7	114.7#

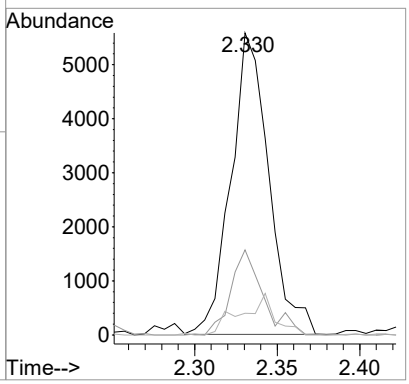


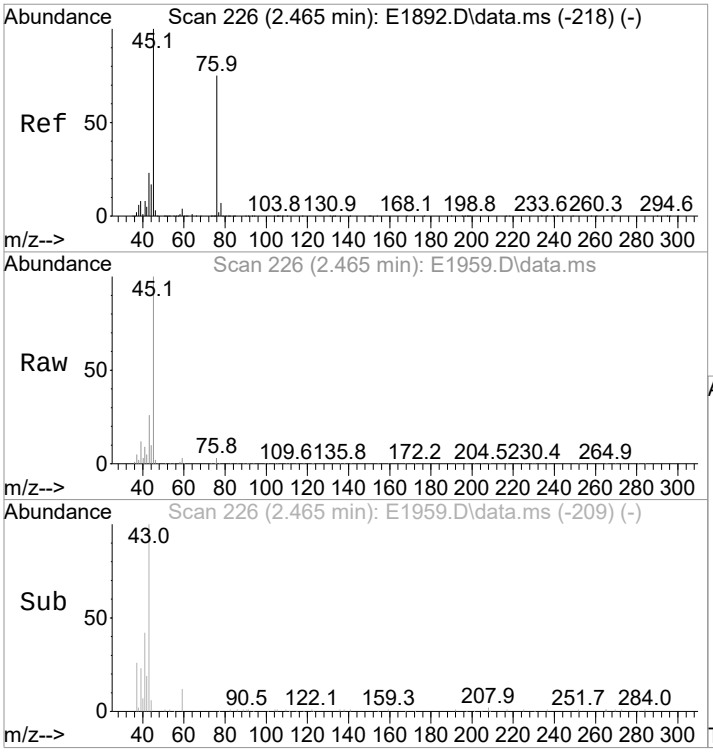


#15
Acetone
Concen: 7.08 ug/L
RT: 2.330 min Scan# 204
Delta R.T. -0.000 min
Lab File: E1959.D
Acq: 18 Jun 2019 7:04 am

Tgt Ion: 43 Resp: 8895

Ion	Ratio	Lower	Upper
43	100		
58	28.2	10.8	50.8
42	7.1	0.0	26.9

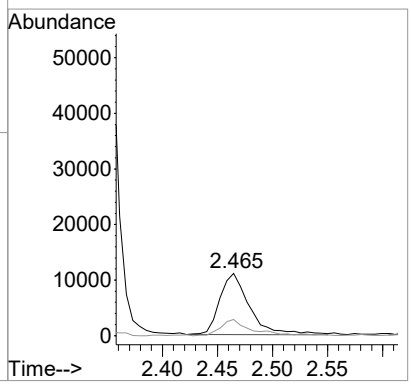


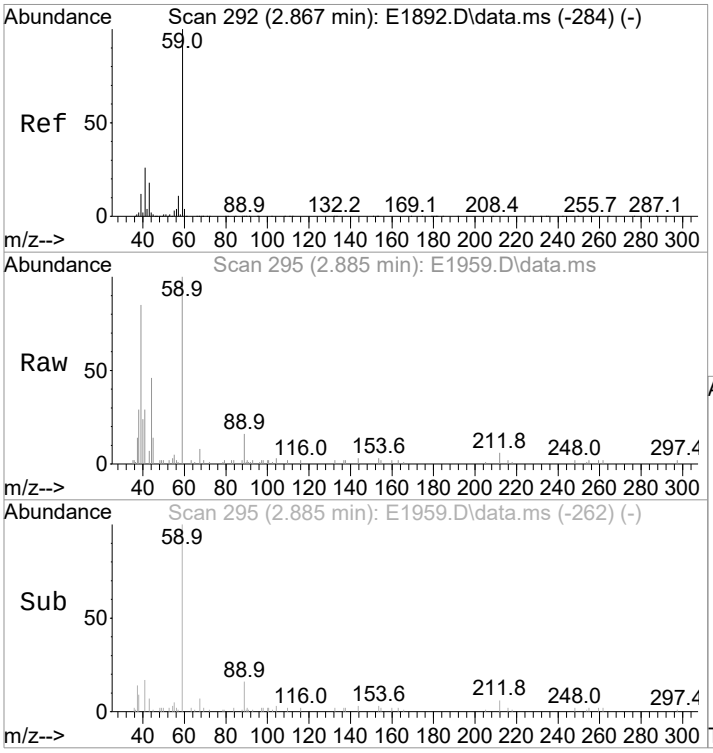


#16
2-Propanol
Concen: 105.55 ug/L
RT: 2.465 min Scan# 226
Delta R.T. -0.005 min
Lab File: E1959.D
Acq: 18 Jun 2019 7:04 am

Tgt Ion: 45 Resp: 20872

Ion	Ratio	Lower	Upper
45	100		
43	25.8	3.2	43.2

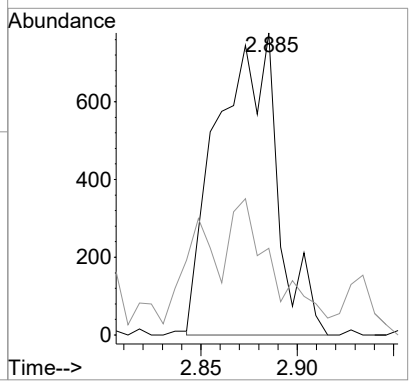


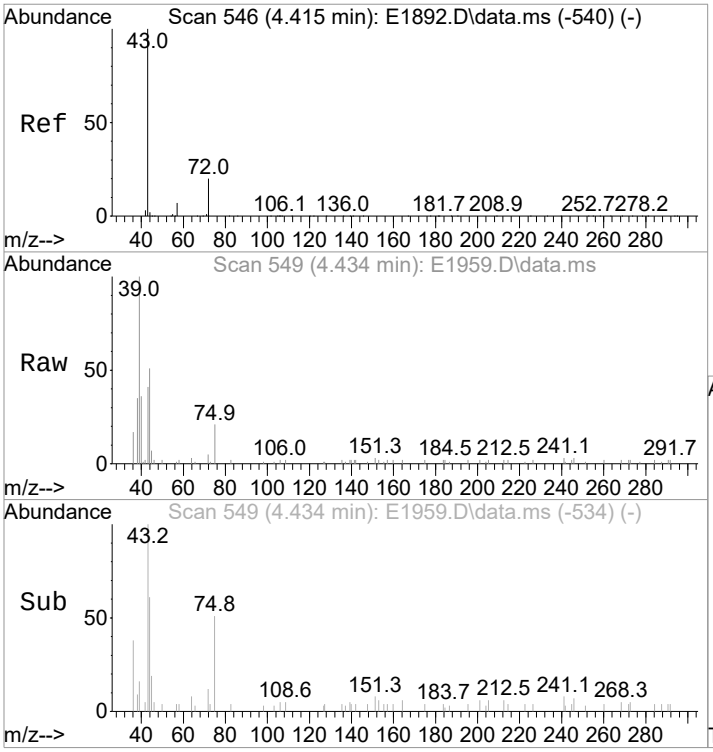


#23
TBA
Concen: 5.82 ug/L
RT: 2.885 min Scan# 295
Delta R.T. 0.012 min
Lab File: E1959.D
Acq: 18 Jun 2019 7:04 am

Tgt Ion: 59 Resp: 1686

Ion	Ratio	Lower	Upper
59	100		
41	28.7	6.3	46.3

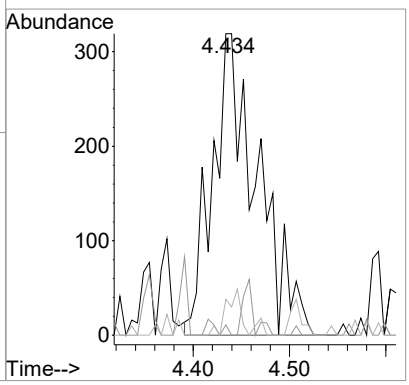


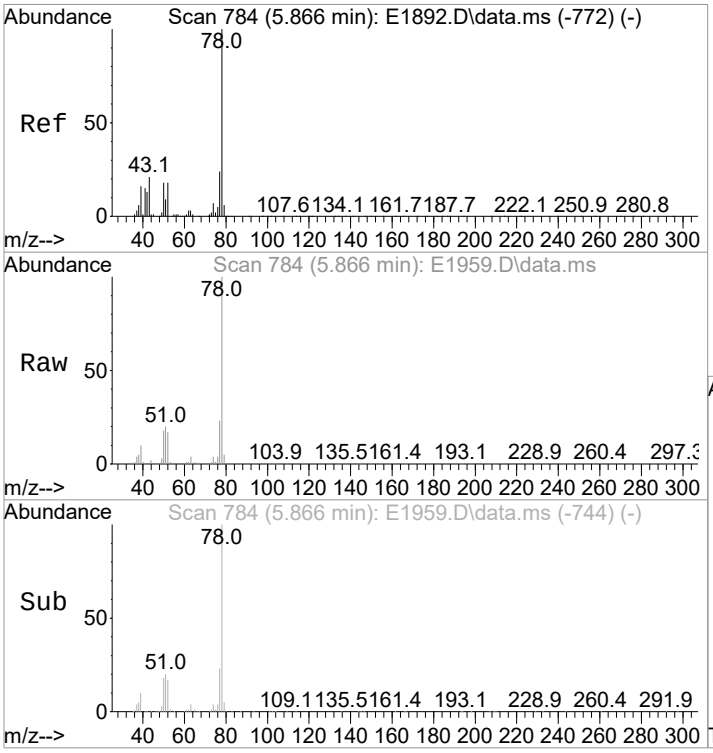


#34
2-Butanone
Concen: 0.49 ug/L
RT: 4.434 min Scan# 549
Delta R.T. 0.018 min
Lab File: E1959.D
Acq: 18 Jun 2019 7:04 am

Tgt Ion: 43 Resp: 1028

Ion	Ratio	Lower	Upper
43	100		
57	3.4	0.0	26.7
72	11.9	0.1	40.1

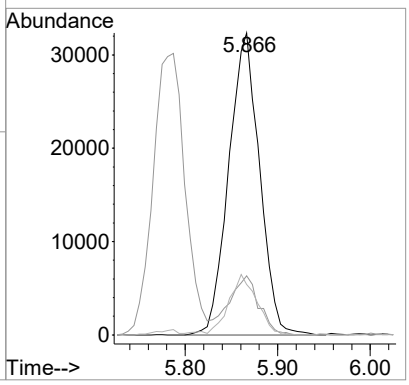


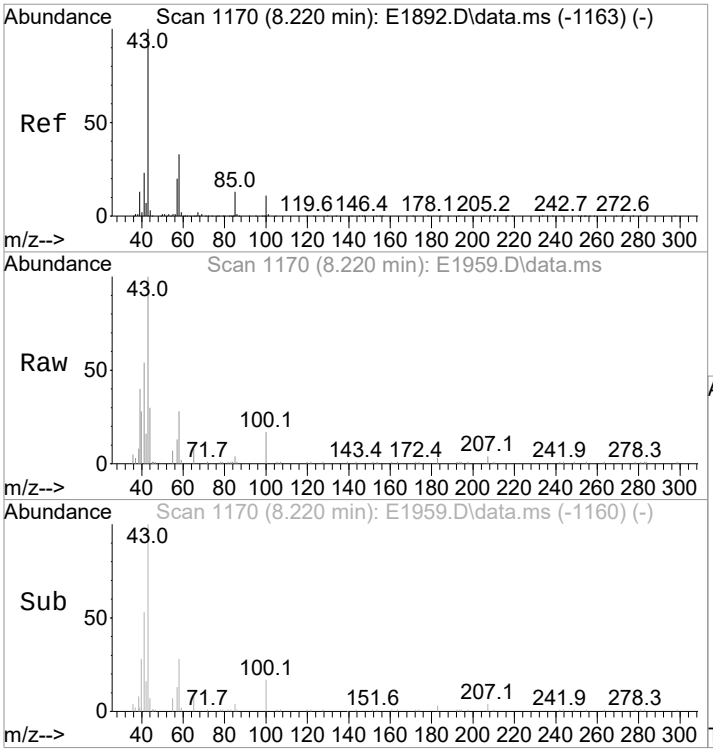


#47
Benzene
Concen: 6.61 ug/L
RT: 5.866 min Scan# 784
Delta R.T. -0.000 min
Lab File: E1959.D
Acq: 18 Jun 2019 7:04 am

Tgt Ion: 78 Resp: 74907

Ion	Ratio	Lower	Upper
78	100		
51	19.5	0.0	38.8
52	16.7	0.0	38.0

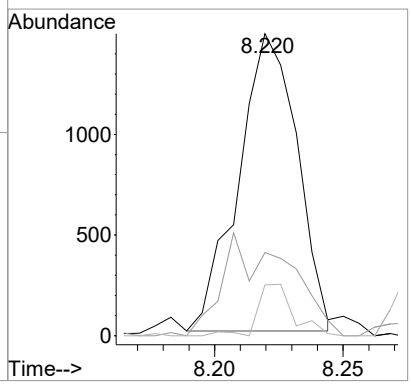


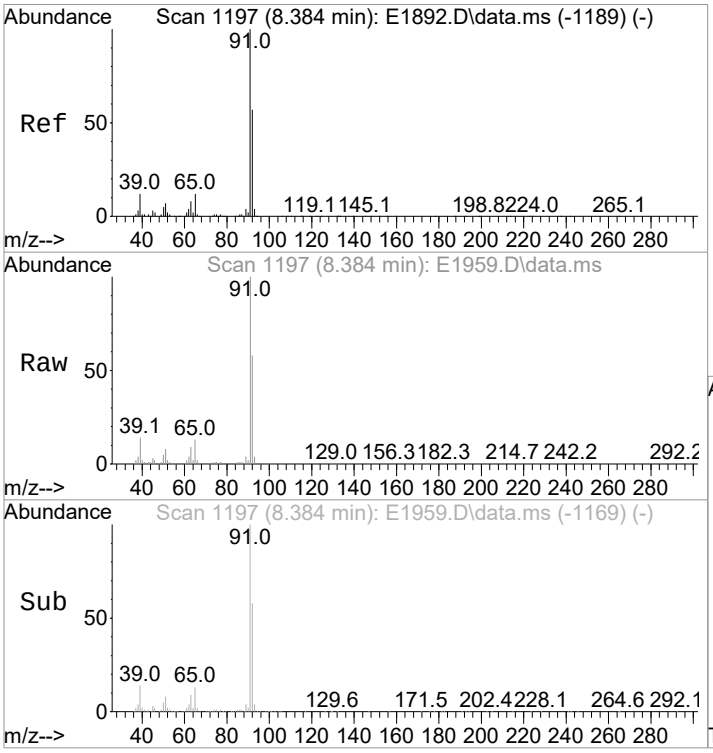


#63
4-Methyl-2-pentanone
Concen: 0.55 ug/L
RT: 8.220 min Scan# 1170
Delta R.T. -0.000 min
Lab File: E1959.D
Acq: 18 Jun 2019 7:04 am

Tgt Ion: 43 Resp: 2349

Ion	Ratio	Lower	Upper
43	100		
58	27.5	13.2	53.2
100	16.8	0.0	31.3

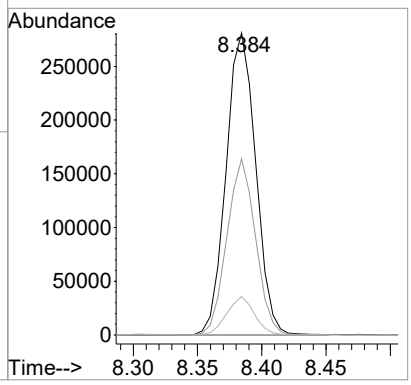


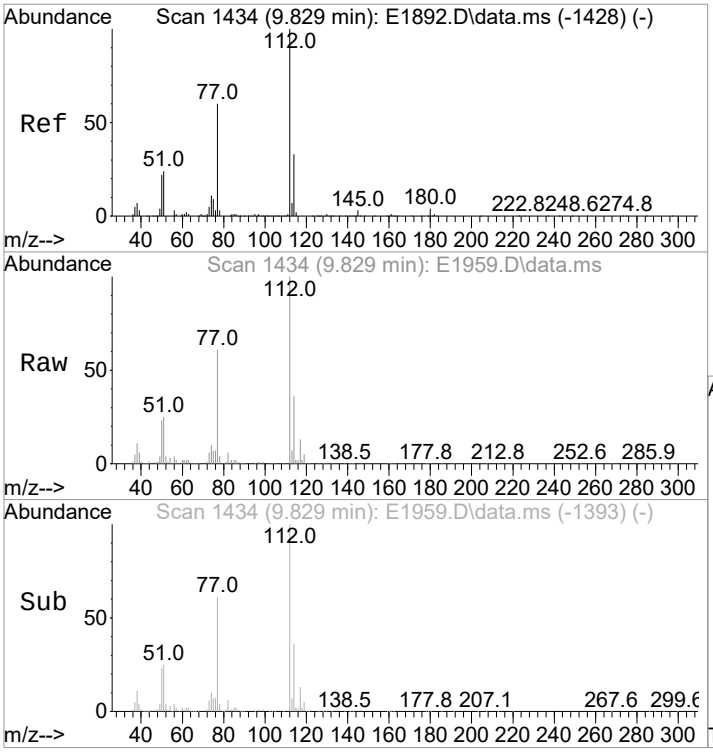


#65
Toluene
Concen: 38.30 ug/L
RT: 8.384 min Scan# 1197
Delta R.T. -0.000 min
Lab File: E1959.D
Acq: 18 Jun 2019 7:04 am

Tgt Ion: 91 Resp: 450885

Ion	Ratio	Lower	Upper
91	100		
92	58.3	36.5	76.5
65	12.7	0.0	31.7

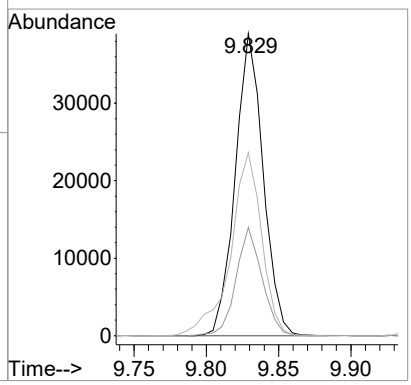


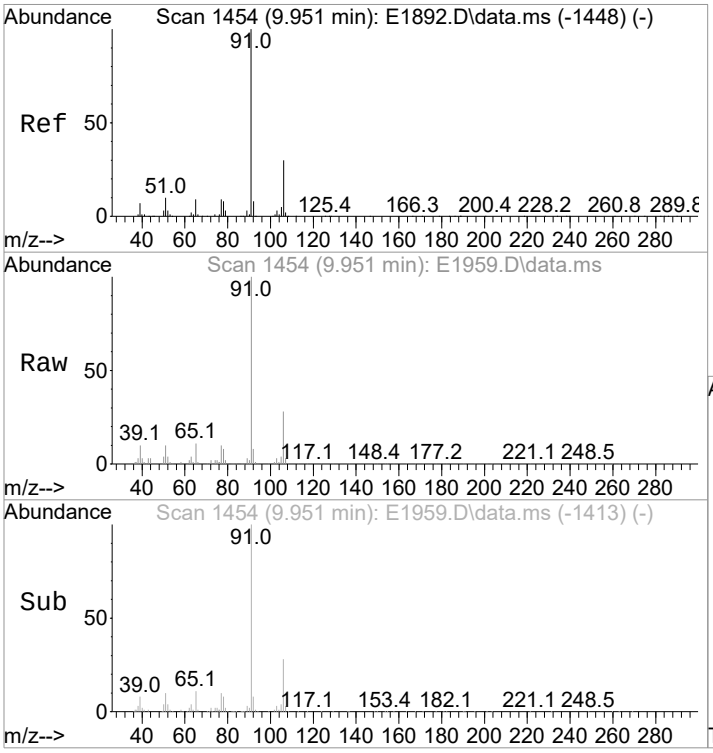


#78
Chlorobenzene
Concen: 7.18 ug/L
RT: 9.829 min Scan# 1434
Delta R.T. -0.000 min
Lab File: E1959.D
Acq: 18 Jun 2019 7:04 am

Tgt Ion:112 Resp: 52254

Ion	Ratio	Lower	Upper
112	100		
114	35.8	13.0	53.0
77	60.6	40.3	80.3

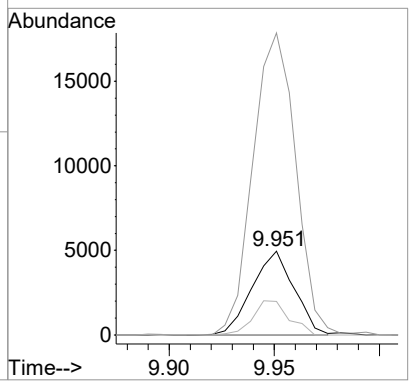


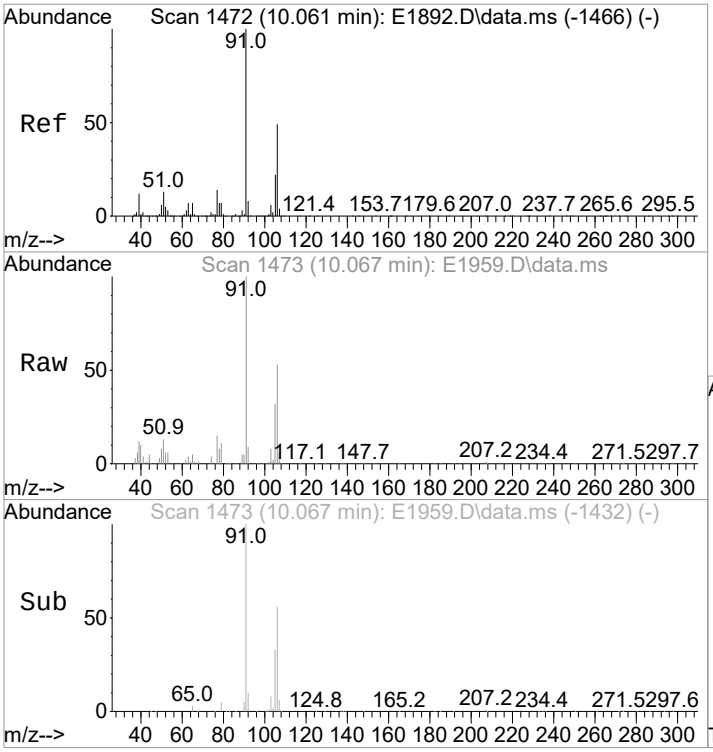


#81
Ethylbenzene
Concen: 1.77 ug/L
RT: 9.951 min Scan# 1454
Delta R.T. -0.000 min
Lab File: E1959.D
Acq: 18 Jun 2019 7:04 am

Tgt Ion:106 Resp: 6863

Ion	Ratio	Lower	Upper
106	100		
91	361.2	308.5	348.5#
65	39.9	10.0	50.0

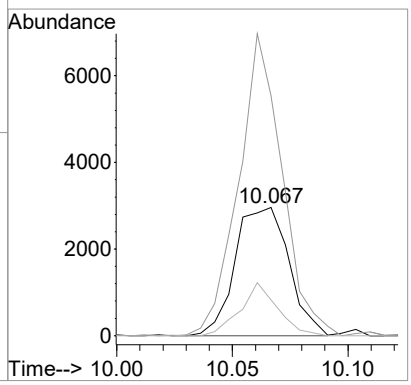


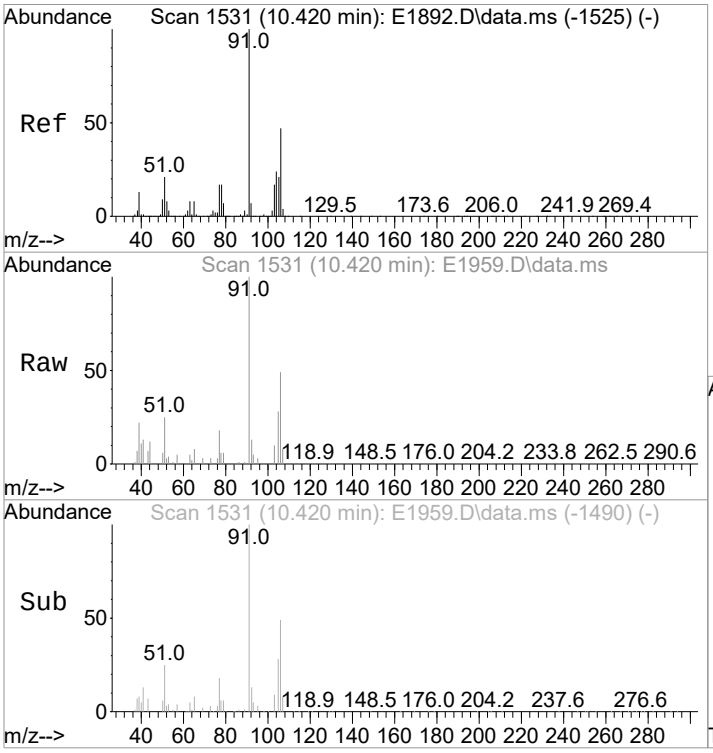


#82
(m+p)Xylene
Concen: 1.00 ug/L
RT: 10.067 min Scan# 1473
Delta R.T. -0.000 min
Lab File: E1959.D
Acq: 18 Jun 2019 7:04 am

Tgt Ion:106 Resp: 4770

Ion	Ratio	Lower	Upper
106	100		
91	187.1	186.1	226.1
77	27.9	9.0	49.0

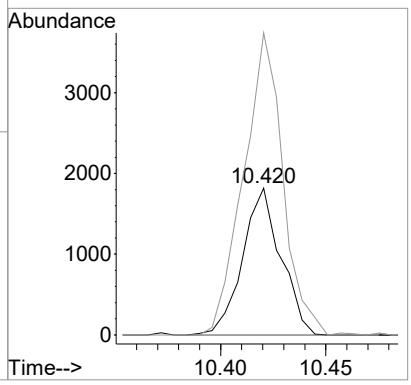


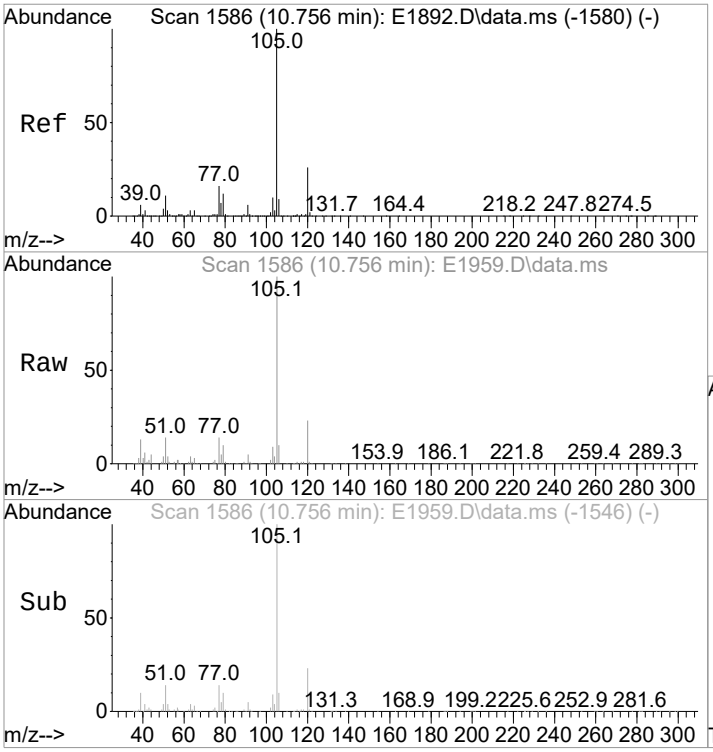


#83
o-Xylene
Concen: 0.49 ug/L
RT: 10.420 min Scan# 1531
Delta R.T. -0.000 min
Lab File: E1959.D
Acq: 18 Jun 2019 7:04 am

Tgt Ion:106 Resp: 2296

Ion	Ratio	Lower	Upper
106	100		
91	205.5	194.7	234.7

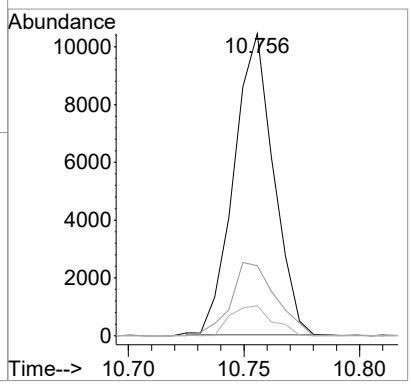


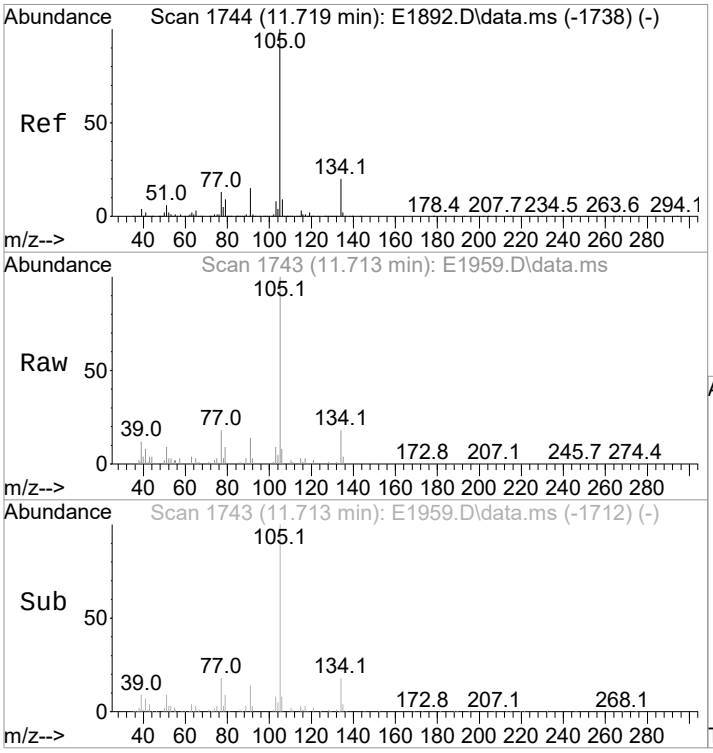


#87
Isopropylbenzene
Concen: 1.03 ug/L
RT: 10.756 min Scan# 1586
Delta R.T. -0.000 min
Lab File: E1959.D
Acq: 18 Jun 2019 7:04 am

Tgt Ion:105 Resp: 12375

Ion	Ratio	Lower	Upper
105	100		
120	23.2	5.6	45.6
106	9.9	0.0	28.8

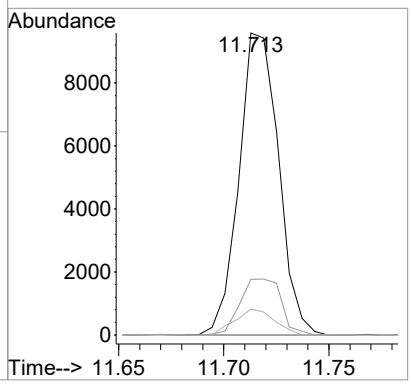


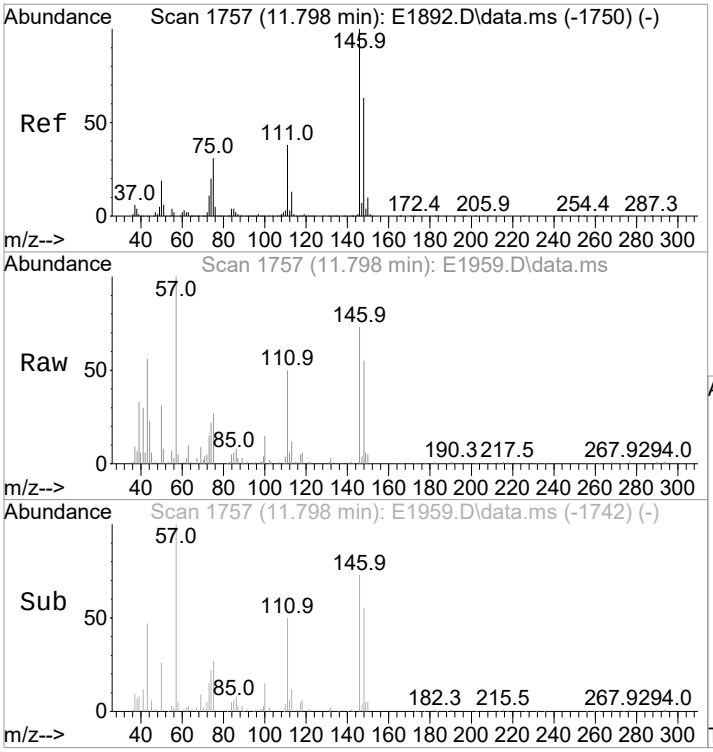


#102
sec-Butylbenzene
Concen: 1.00 ug/L
RT: 11.713 min Scan# 1743
Delta R.T. -0.006 min
Lab File: E1959.D
Acq: 18 Jun 2019 7:04 am

Tgt Ion:105 Resp: 12498

Ion	Ratio	Lower	Upper
105	100		
134	18.4	0.0	39.7
103	8.5	0.0	28.1

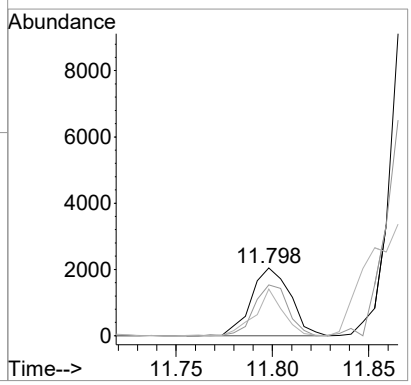


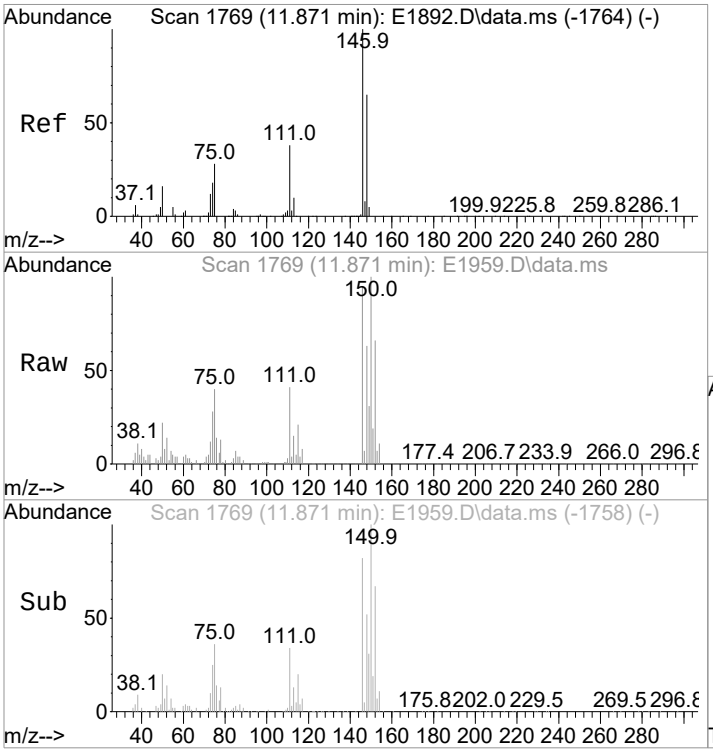


#104
1,3-Dclbenz
Concen: 0.49 ug/L
RT: 11.798 min Scan# 1757
Delta R.T. -0.000 min
Lab File: E1959.D
Acq: 18 Jun 2019 7:04 am

Tgt Ion:146 Resp: 2884

Ion	Ratio	Lower	Upper
146	100		
148	75.0	43.1	83.1
111	68.9	18.5	58.5#

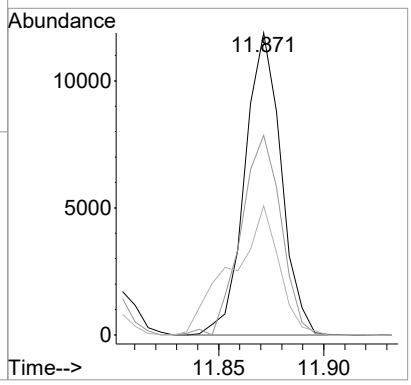


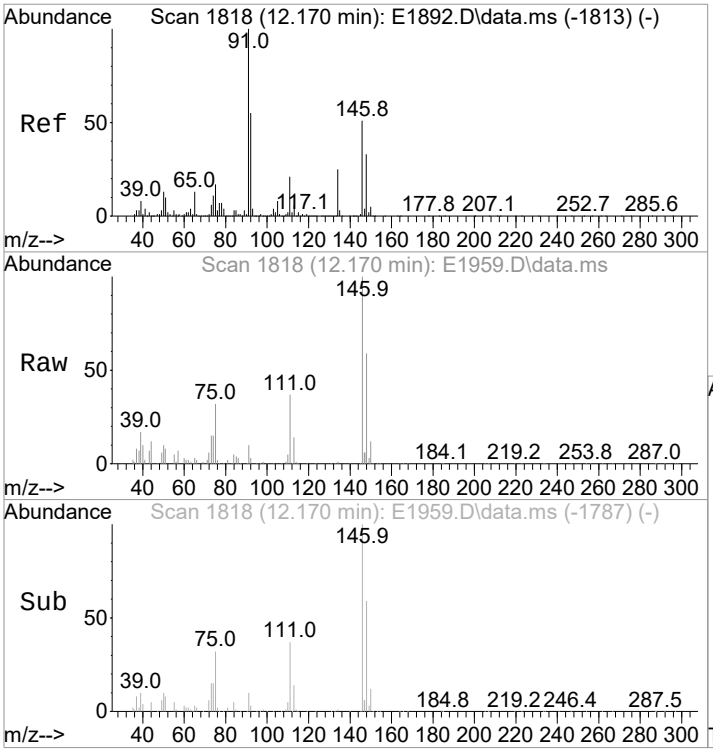


#105
1,4-Dclbenz
Concen: 2.38 ug/L
RT: 11.871 min Scan# 1769
Delta R.T. -0.000 min
Lab File: E1959.D
Acq: 18 Jun 2019 7:04 am

Tgt Ion:146 Resp: 14158

Ion	Ratio	Lower	Upper
146	100		
148	66.1	44.7	84.7
111	42.8	18.3	58.3

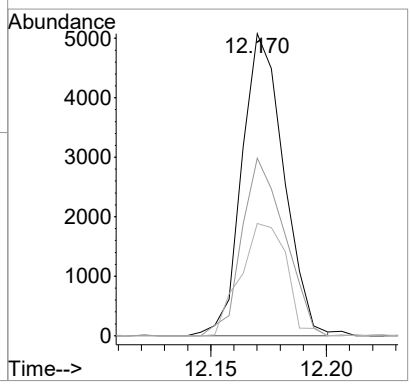


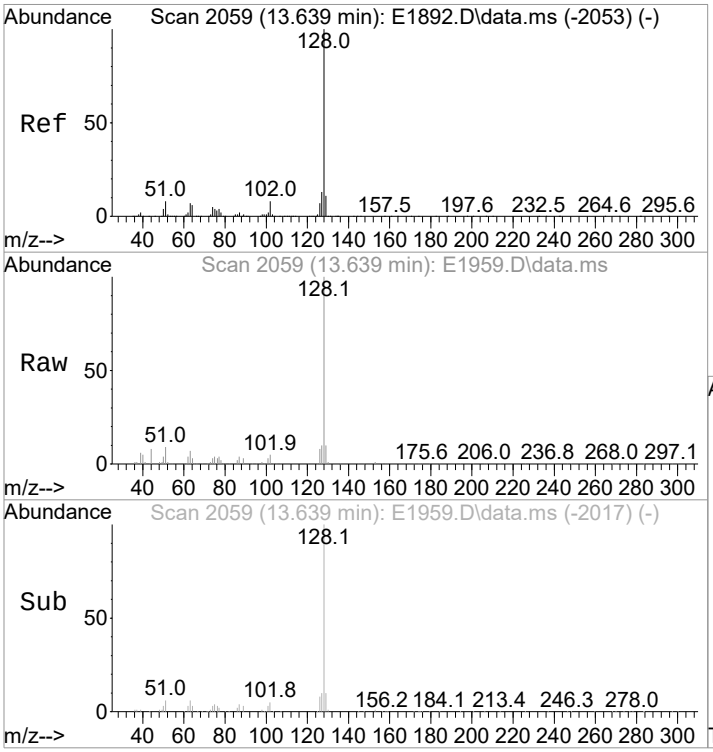


#109
1,2-Dclbenz
Concen: 1.08 ug/L
RT: 12.170 min Scan# 1818
Delta R.T. -0.006 min
Lab File: E1959.D
Acq: 18 Jun 2019 7:04 am

Tgt Ion:146 Resp: 6375

Ion	Ratio	Lower	Upper
146	100		
148	58.8	44.1	84.1
111	37.2	21.3	61.3

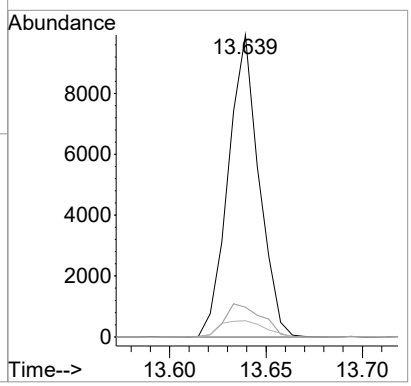




#116
Naphthalen
Concen: 1.01 ug/L
RT: 13.639 min Scan# 2059
Delta R.T. -0.000 min
Lab File: E1959.D
Acq: 18 Jun 2019 7:04 am

Tgt Ion:128 Resp: 10979

Ion	Ratio	Lower	Upper
128	100		
127	9.9	0.0	33.1
102	5.4	0.0	28.0



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061719\
Data File : E1951.D
Acq On : 18 Jun 2019 4:09 am
Operator : D.LIPANI
Sample : R1905417-014|1.0 Inst : MSVOA10
Misc : PSI 6684 T4
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Jun 19 16:28:21 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration

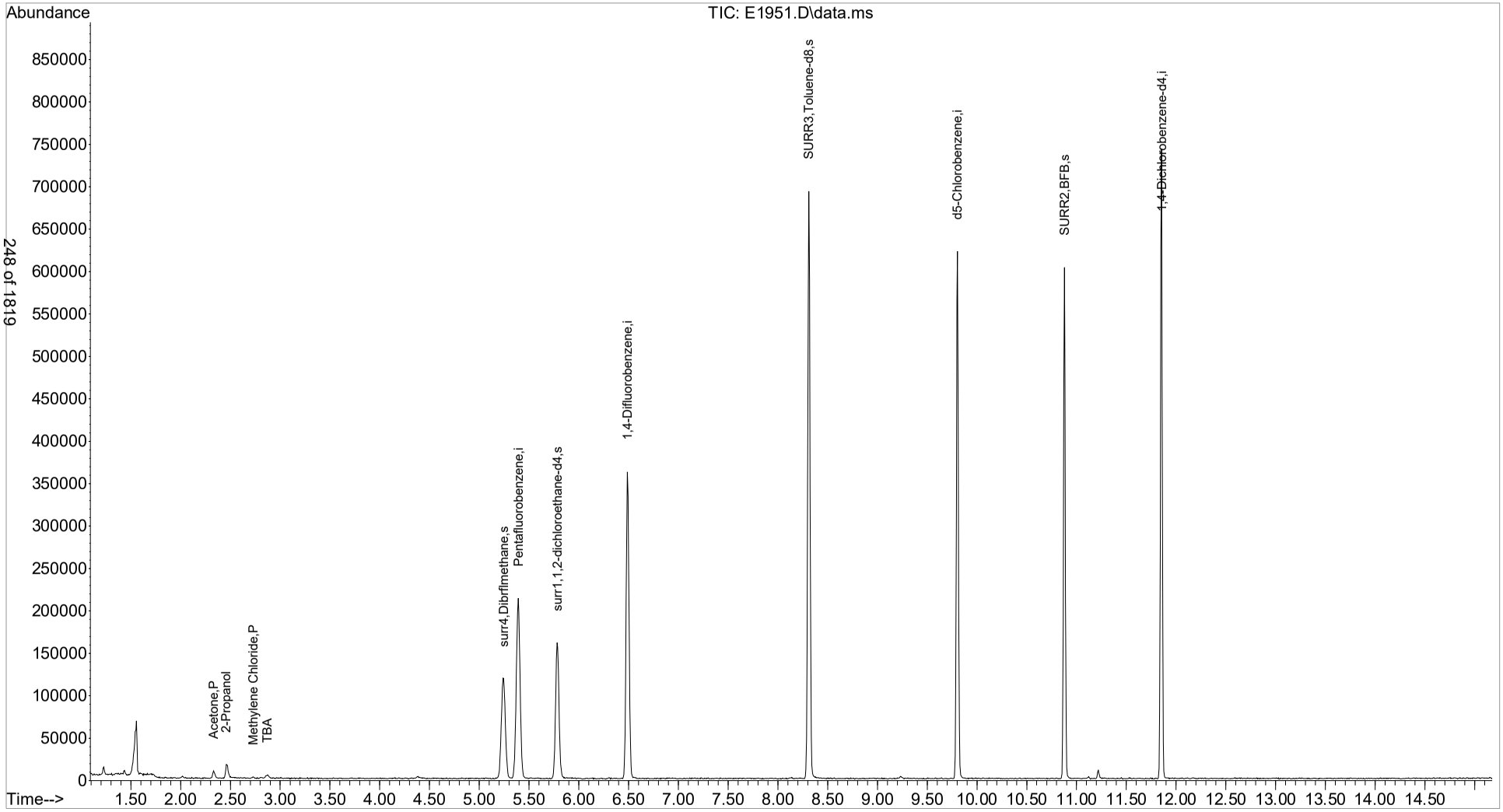
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.391	168	199445	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.488	114	296986	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	259327	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	135901	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.245	113	98691	50.82	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 101.64%				
46) surr1,1,2-dichloroetha...	5.781	65	134877	52.38	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 104.76%				
64) SURR3,Toluene-d8	8.311	98	398682	51.08	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 102.16%				
69) SURR2,BFB	10.878	95	140907	48.41	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 96.82%				
Target Compounds							Qvalue
5) Bromomethane	1.556	94	544	Below Cal			90
6) Chloroethane	1.605	64	362	Below Cal		#	51
15) Acetone	2.331	43	9338	9.20	ug/L		98
16) 2-Propanol	2.459	45	17703	110.74	ug/L		94
22) Methylene Chloride	2.727	84	437	0.20	ug/L	#	26
23) TBA	2.873	59	3523	15.02	ug/L	#	52

(#) = qualifier out of range (m) = manual integration (+) = signals summed

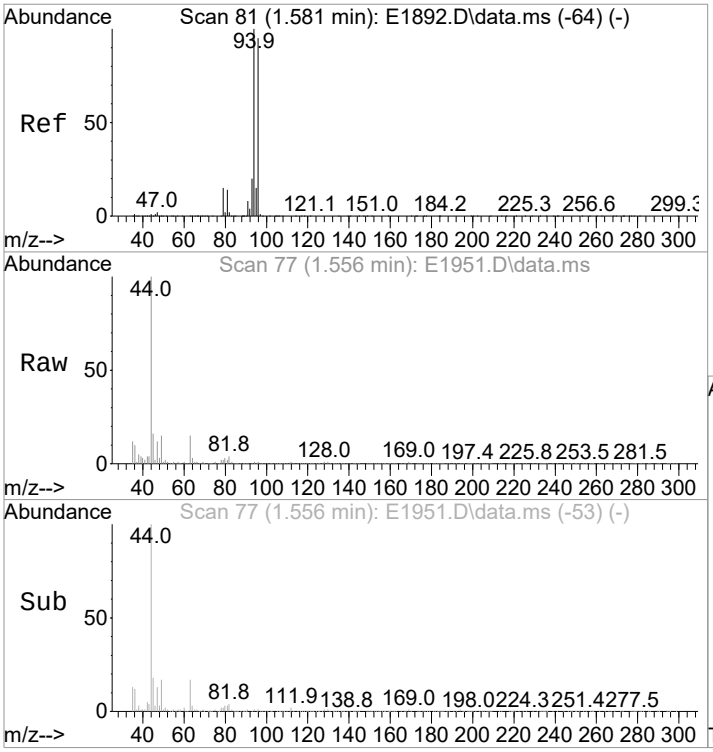
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061719\
Data File : E1951.D
Acq On : 18 Jun 2019 4:09 am
Operator : D.LIPANI
Sample : R1905417-014|1.0 Inst : MSVOA10
Misc : PSI 6684 T4
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Jun 19 16:28:21 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration



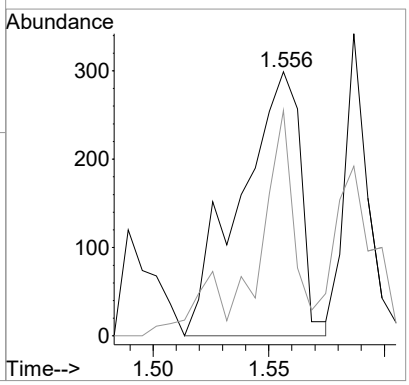
1st DL 06/19/19
2nd FJ 06/20/19

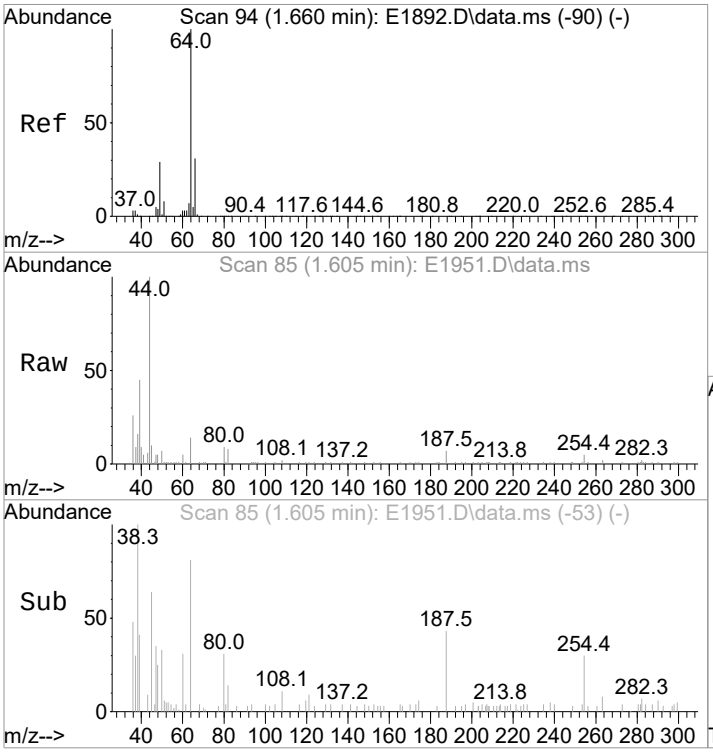


#5
Bromomethane
Concen: Below Cal
RT: 1.556 min Scan# 77
Delta R.T. -0.018 min
Lab File: E1951.D
Acq: 18 Jun 2019 4:09 am

Tgt Ion: 94 Resp: 544

Ion	Ratio	Lower	Upper
94	100		
96	85.3	74.7	114.7

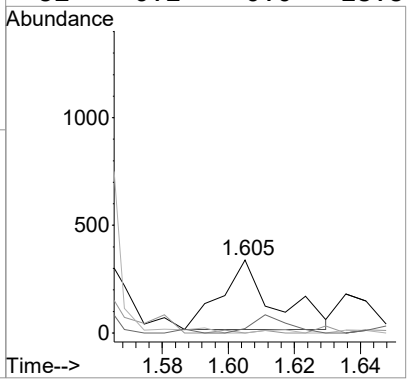


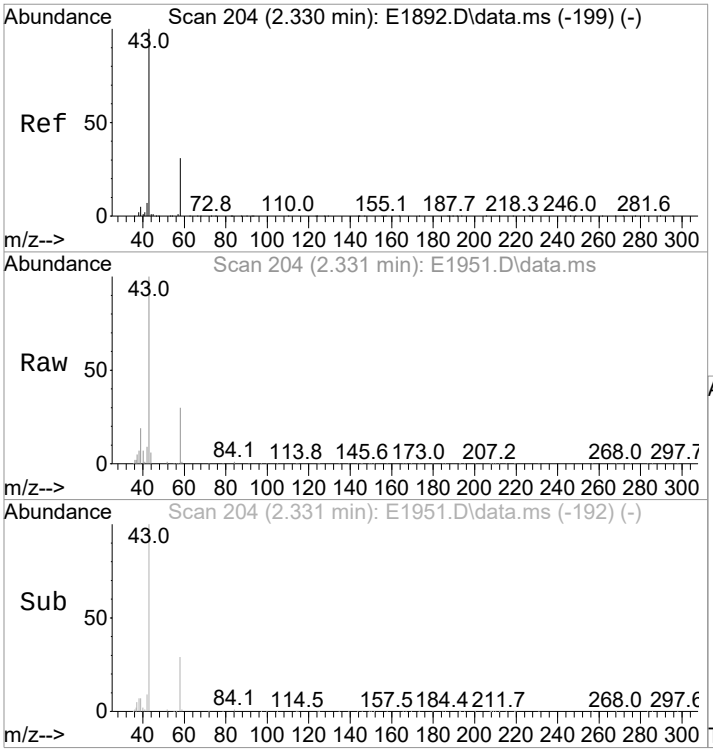


#6
Chloroethane
Concen: Below Cal
RT: 1.605 min Scan# 85
Delta R.T. -0.048 min
Lab File: E1951.D
Acq: 18 Jun 2019 4:09 am

Tgt Ion: 64 Resp: 362

Ion	Ratio	Lower	Upper
64	100		
66	0.0	10.7	50.7#
49	0.0	8.7	48.7#
51	6.2	0.0	28.5

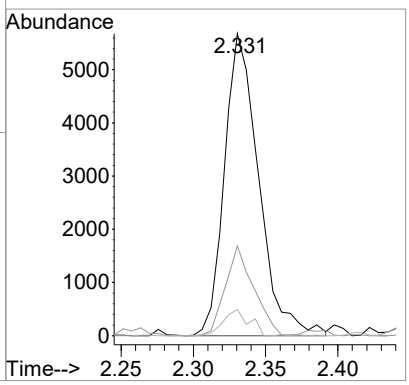


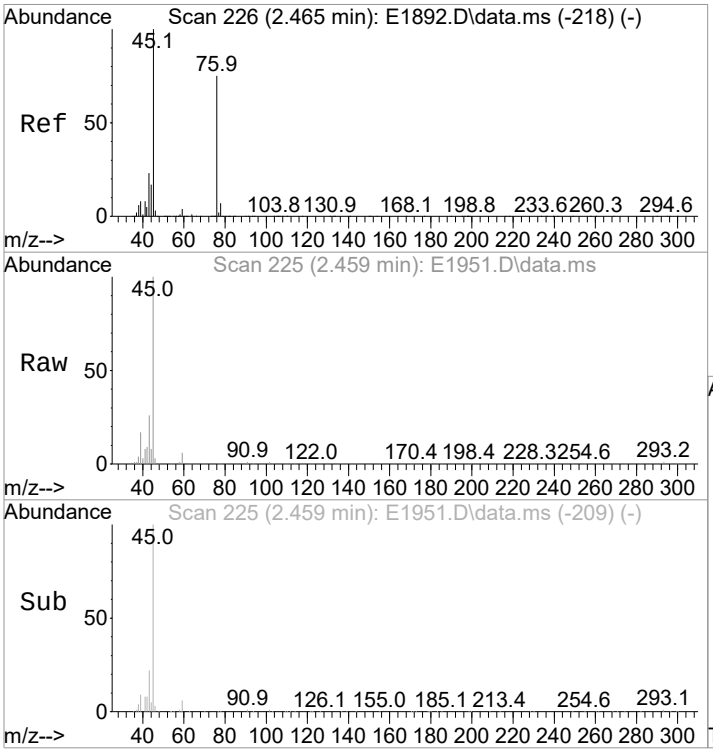


#15
Acetone
Concen: 9.20 ug/L
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: E1951.D
Acq: 18 Jun 2019 4:09 am

Tgt Ion: 43 Resp: 9338

Ion	Ratio	Lower	Upper
43	100		
58	29.8	10.8	50.8
42	8.6	0.0	26.9

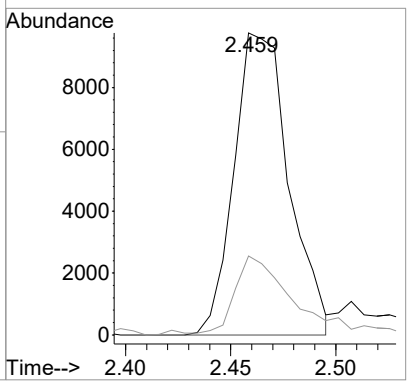


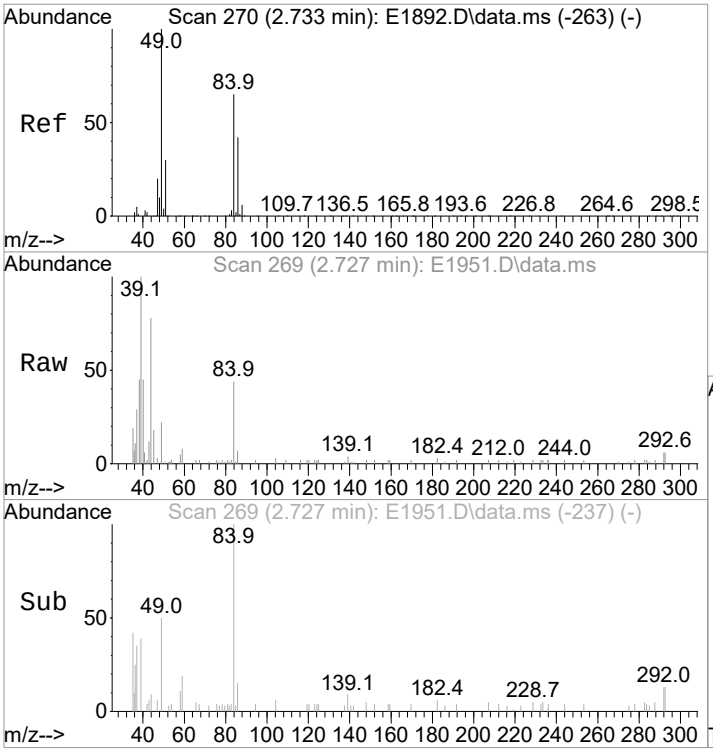


#16
2-Propanol
Concen: 110.74 ug/L
RT: 2.459 min Scan# 225
Delta R.T. -0.011 min
Lab File: E1951.D
Acq: 18 Jun 2019 4:09 am

Tgt Ion: 45 Resp: 17703

Ion	Ratio	Lower	Upper
45	100		
43	26.1	3.2	43.2

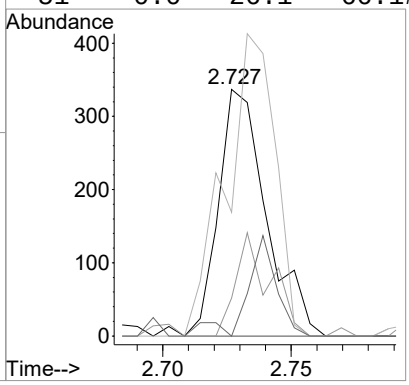


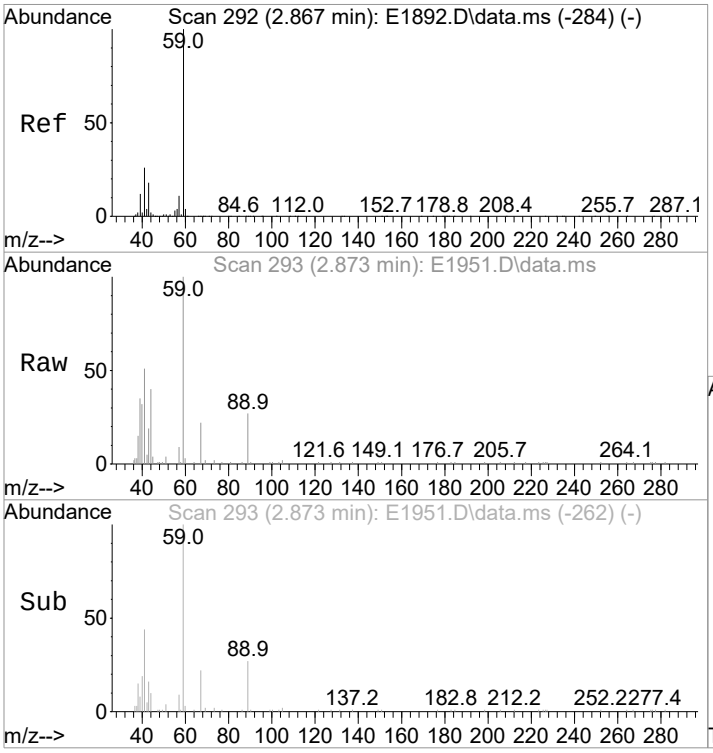


#22
Methylene Chloride
Concen: 0.20 ug/L
RT: 2.727 min Scan# 269
Delta R.T. -0.006 min
Lab File: E1951.D
Acq: 18 Jun 2019 4:09 am

Tgt Ion: 84 Resp: 437

Ion	Ratio	Lower	Upper
84	100		
86	15.4	44.2	84.2#
49	50.1	133.5	173.5#
51	0.0	26.1	66.1#

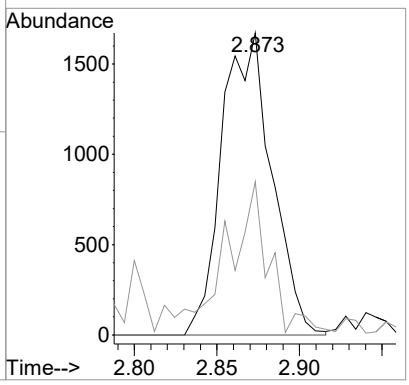




#23
TBA
Concen: 15.02 ug/L
RT: 2.873 min Scan# 293
Delta R.T. 0.000 min
Lab File: E1951.D
Acq: 18 Jun 2019 4:09 am

Tgt Ion: 59 Resp: 3523

Ion	Ratio	Lower	Upper
59	100		
41	50.8	6.3	46.3#



Quantitation Report (QT/LSC Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061719\
Data File : E1940.D
Acq On : 18 Jun 2019 12:08 am
Operator : D.LIPANI
Sample : MET BLK Inst : MSVOA10
Misc :
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Jun 19 15:52:12 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration

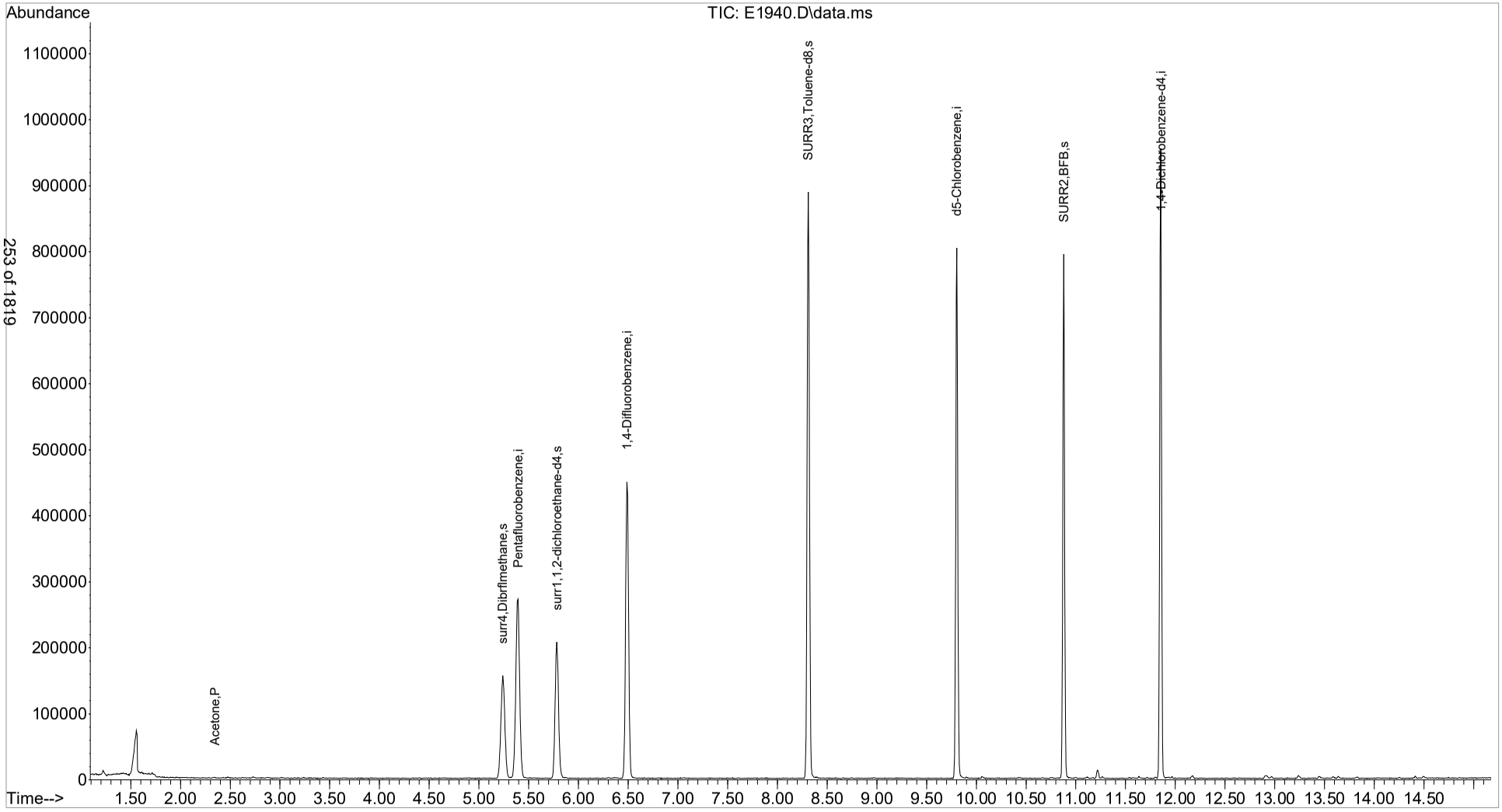
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.391	168	259267	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.488	114	382988	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.805	117	339607	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	175519	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.238	113	125704	50.20	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 100.40%			
46) surr1,1,2-dichloroetha...	5.781	65	174199	52.46	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 104.92%			
64) SURR3,Toluene-d8	8.311	98	523735	52.03	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 104.06%			
69) SURR2,BFB	10.878	95	191549	51.03	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 102.06%			
Target Compounds						Qvalue
5) Bromomethane	1.581	94	629	Below Cal	#	56
6) Chloroethane	1.611	64	461	Below Cal	#	64
15) Acetone	2.343	43	920	0.70	ug/L #	57

(#) = qualifier out of range (m) = manual integration (+) = signals summed

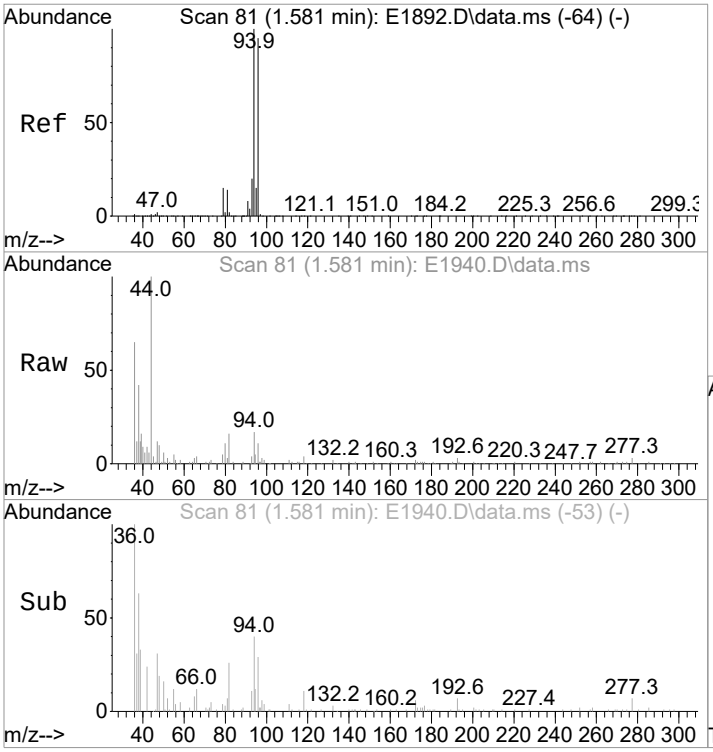
Quantitation Report (QT/LSC Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061719\
Data File : E1940.D
Acq On : 18 Jun 2019 12:08 am
Operator : D.LIPANI
Sample : MET BLK Inst : MSVOA10
Misc :
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Jun 19 15:52:12 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration



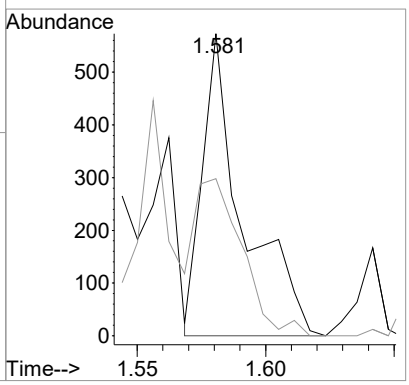
1st DL 06/19/19
2nd FJ 06/20/19

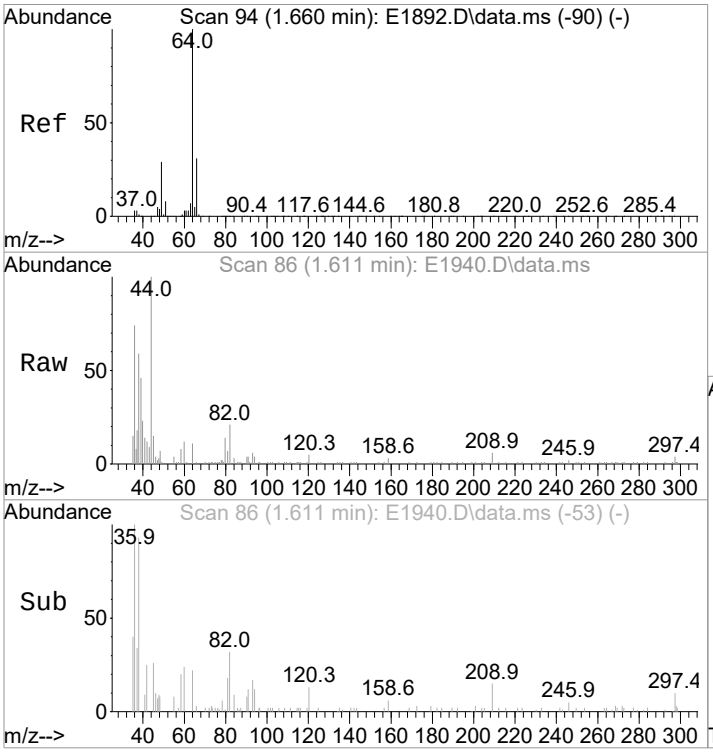


#5
Bromomethane
Concen: Below Cal
RT: 1.581 min Scan# 81
Delta R.T. 0.007 min
Lab File: E1940.D
Acq: 18 Jun 2019 12:08 am

Tgt Ion: 94 Resp: 629

Ion	Ratio	Lower	Upper
94	100		
96	52.0	74.7	114.7#

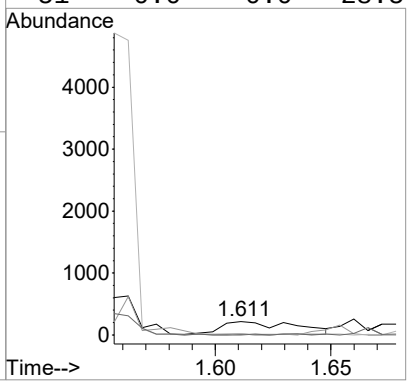


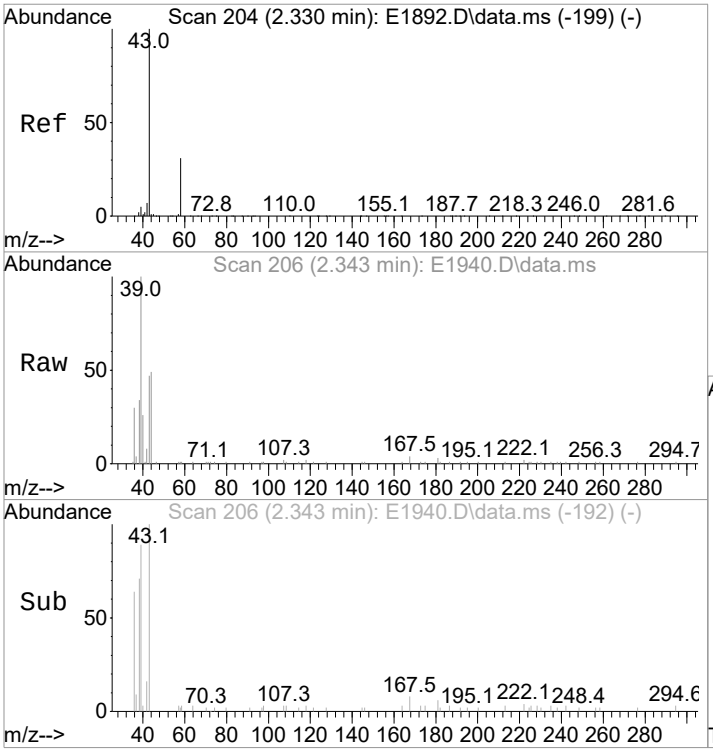


#6
Chloroethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. -0.042 min
Lab File: E1940.D
Acq: 18 Jun 2019 12:08 am

Tgt Ion: 64 Resp: 461

Ion	Ratio	Lower	Upper
64	100		
66	10.1	10.7	50.7#
49	9.2	8.7	48.7
51	0.0	0.0	28.5

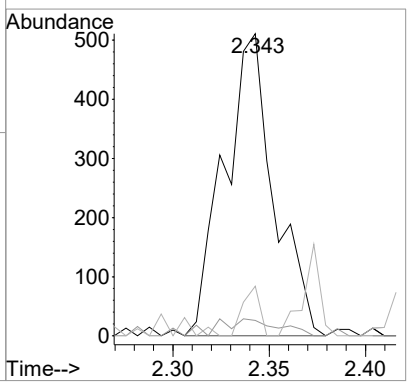




#15
Acetone
Concen: 0.70 ug/L
RT: 2.343 min Scan# 206
Delta R.T. 0.012 min
Lab File: E1940.D
Acq: 18 Jun 2019 12:08 am

Tgt Ion: 43 Resp: 920

Ion	Ratio	Lower	Upper
43	100		
58	5.1	10.8	50.8#
42	16.4	0.0	26.9



LSC Area Percent Report

Data Path : I:\ACQUDATA\msvoa10\data\061719\
Data File : E1940.D
Acq On : 18 Jun 2019 12:08 am
Operator : D.LIPANI
Sample : MET BLK Inst : MSVOA10
Misc :
ALS Vial : 40 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 300 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Title : MS#10 - 8260B WATERS 5.0mL Purge

Signal : TIC: E1940.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.556	65	77	80	rBV	67747	154778	10.88%	2.085%
2	5.238	671	681	693	rBV	155720	430519	30.27%	5.799%
3	5.391	695	706	716	rVV2	270121	722476	50.79%	9.732%
4	5.781	758	770	780	rBV	206769	492547	34.63%	6.635%
5	6.488	877	886	898	rBV	449158	929010	65.31%	12.514%
6	8.311	1178	1185	1196	rBV	888194	1422404	100.00%	19.160%
7	9.805	1423	1430	1442	rBV	803890	1121052	78.81%	15.101%
8	10.878	1601	1606	1612	rBV	793123	981590	69.01%	13.222%
9	11.219	1657	1662	1666	rBV4	12228	17393	1.22%	0.234%
10	11.853	1760	1766	1774	rBV	954094	1151965	80.99%	15.517%

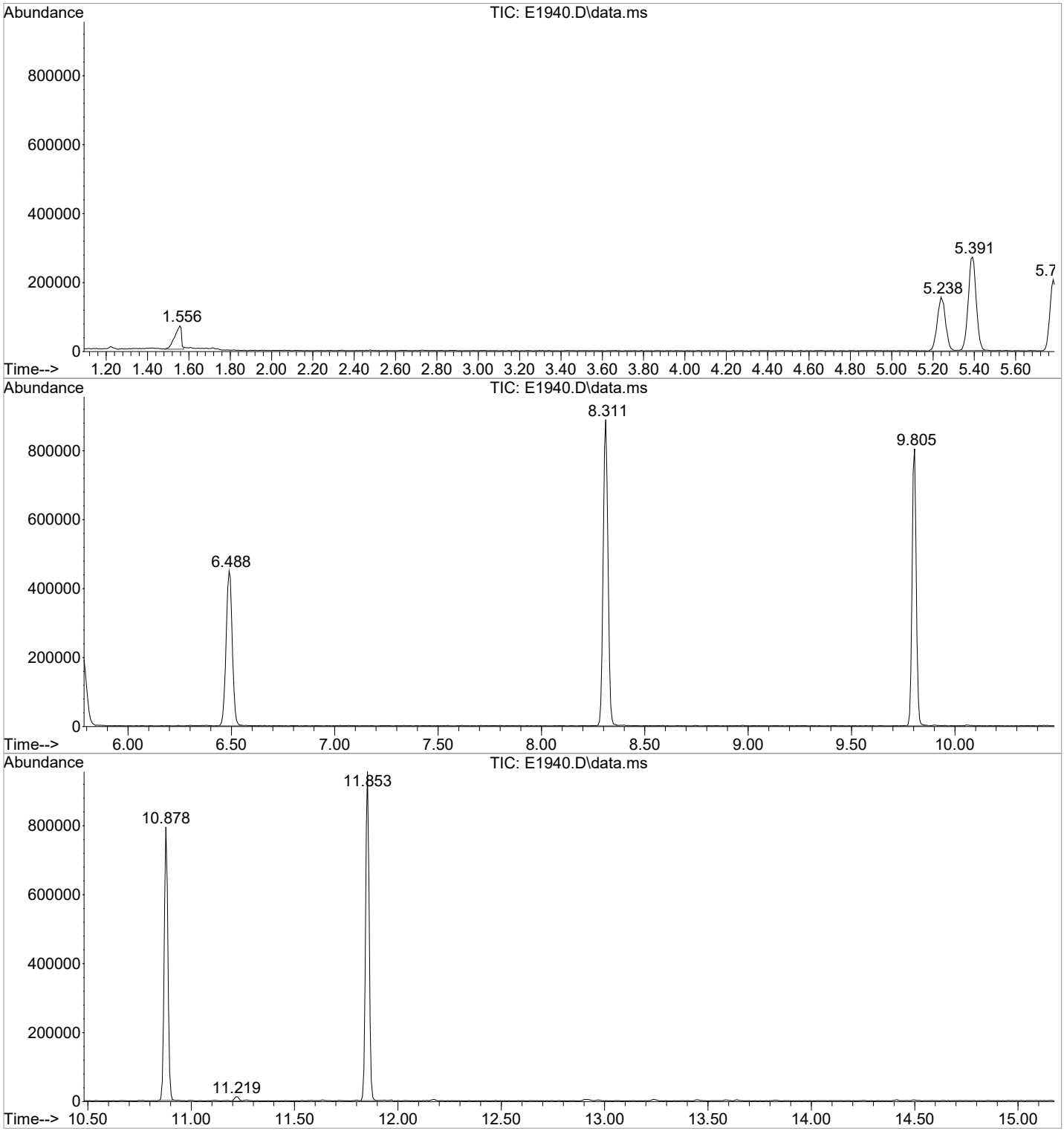
Sum of corrected areas: 7423734

LSC Report - Integrated Chromatogram

Data Path : I:\ACQUDATA\msvoa10\data\061719\
Data File : E1940.D
Acq On : 18 Jun 2019 12:08 am
Operator : D.LIPANI
Sample : MET BLK Inst : MSVOA10
Misc :
ALS Vial : 40 Sample Multiplier: 1

Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge

TIC Library : I:\ACQUDATA\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : I:\ACQUDATA\msvoa10\data\061719\
Data File : E1940.D
Acq On : 18 Jun 2019 12:08 am
Operator : D.LIPANI
Sample : MET BLK Inst : MSVOA10
Misc :
ALS Vial : 40 Sample Multiplier: 1

Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge

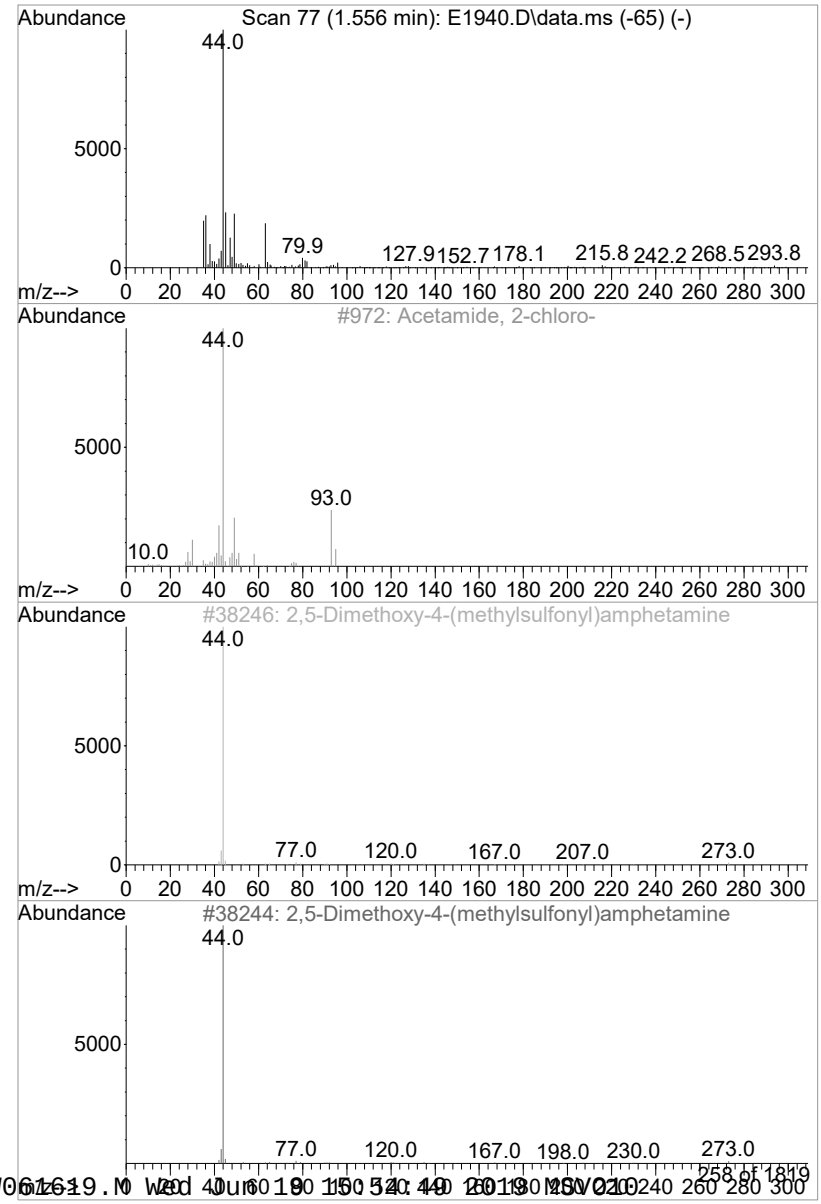
TIC Library : I:\ACQUDATA\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

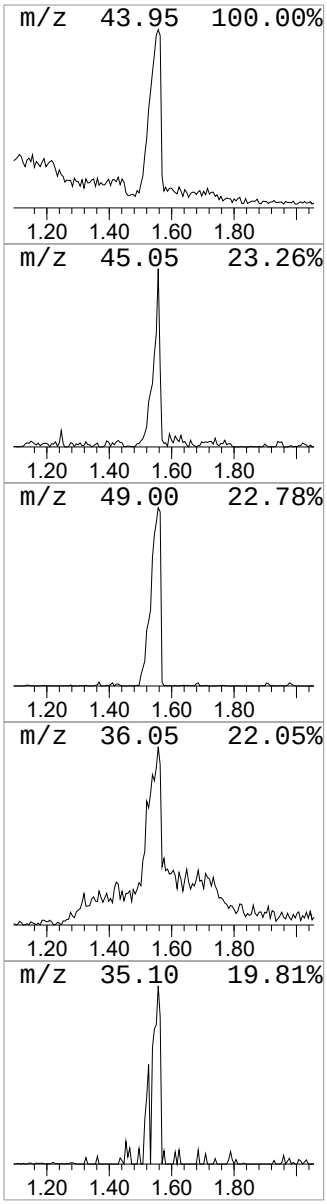
****

Peak Number 1 unknown Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.556	10.71 ug/L	154778	Pentafluorobenzene	5.391

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetamide, 2-chloro-	93	C2H4ClNO	000079-07-2	37
2	2,5-Dimethoxy-4-(methylsulfonyl)...	273	C12H19NO4S	000000-00-0	12
3	2,5-Dimethoxy-4-(methylsulfonyl)...	273	C12H19NO4S	000000-00-0	10
4	4-Methylamphetamine	149	C10H15N	000000-00-0	10
5	Benzenemethanol, 3-hydroxy-.alph...	167	C9H13NO2	000059-42-7	9





Tentatively Identified Compound (LSC) summary

Data Path : I:\ACQUDATA\msvoa10\data\061719\
Data File : E1940.D
Acq On : 18 Jun 2019 12:08 am
Operator : D.LIPANI
Sample : MET BLK Inst : MSVOA10
Misc :
ALS Vial : 40 Sample Multiplier: 1

Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge

TIC Library : I:\ACQUDATA\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown	1.556	10.7	ug/L	154778	1	5.391	722476	50.0

Quantitation Report (Not Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061819\
Data File : E1970.D
Acq On : 18 Jun 2019 12:13 pm
Operator : D.LIPANI
Sample : MET BLK Inst : MSVOA10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 20 18:58:35 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\E070218.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Tue Jul 03 07:45:53 2018
Response via : Initial Calibration

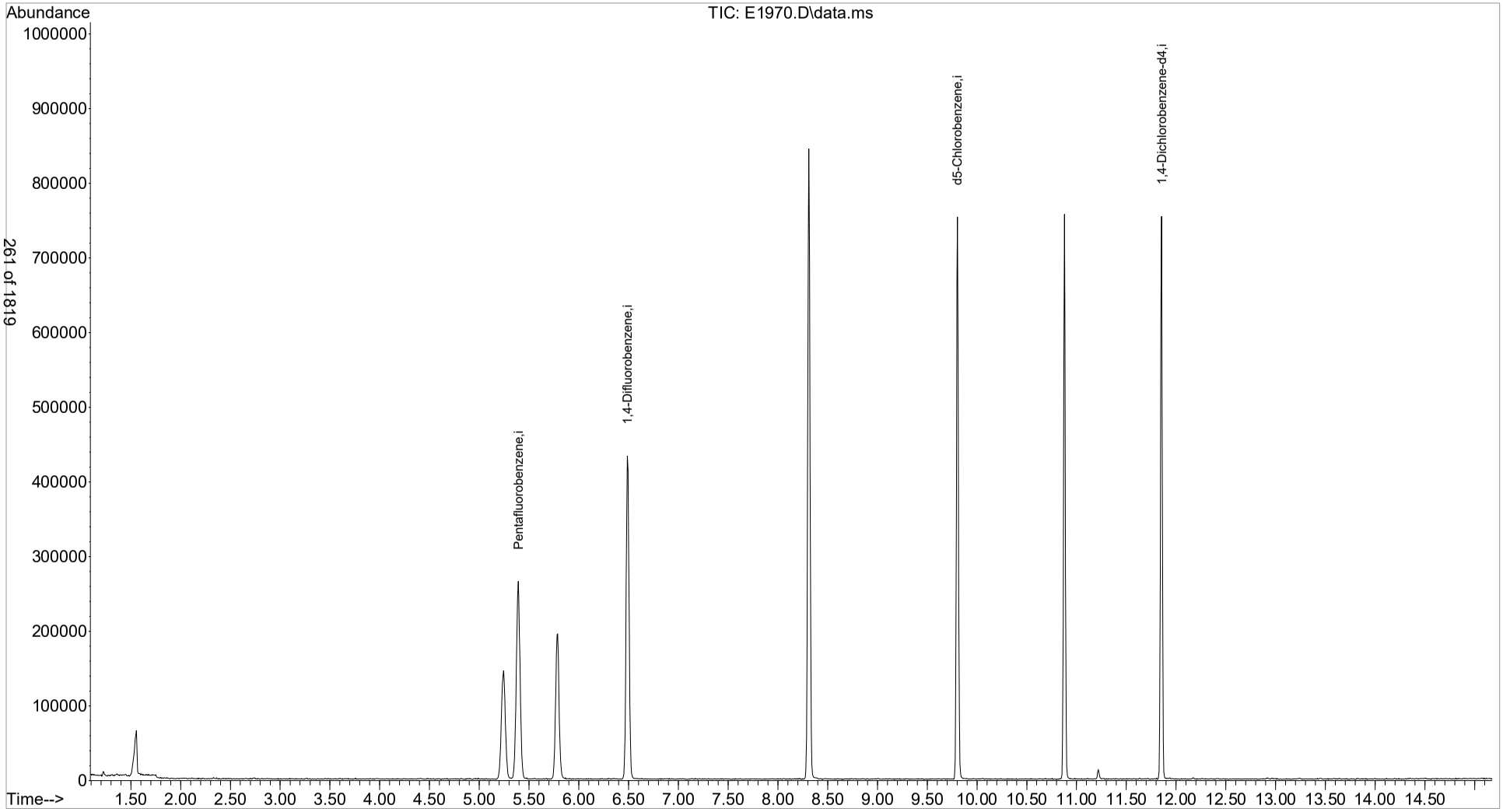
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.391	168	243410	50.00	ug/L	0.00
3) 1,4-Difluorobenzene	6.488	114	358552	50.00	ug/L	0.00
7) d5-Chlorobenzene	9.805	117	312935	50.00	ug/L	0.00
9) 1,4-Dichlorobenzene-d4	11.853	152	139029	50.00	ug/L	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061819\
Data File : E1970.D
Acq On : 18 Jun 2019 12:13 pm
Operator : D.LIPANI
Sample : MET BLK Inst : MSVOA10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 20 18:58:35 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\E070218.m
Quant Title : MS#10 - 8260 WATERS 5mL Purge
QLast Update : Tue Jul 03 07:45:53 2018
Response via : Initial Calibration



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1st DL 06/21/19
2nd FJ 06/21/19

LSC Area Percent Report

Data Path : I:\ACQUDATA\msvoa10\data\061819\
Data File : E1970.D
Acq On : 18 Jun 2019 12:13 pm
Operator : D.LIPANI
Sample : MET BLK Inst : MSVOA10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 300 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Title : MS#10 - 8260B WATERS 5.0mL Purge

Signal : TIC: E1970.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.556	65	77	80	rBV	61300	122942	9.19%	1.811%
2	5.244	670	682	693	rBV2	145884	411132	30.74%	6.056%
3	5.391	695	706	718	rVV	264175	687047	51.38%	10.121%
4	5.787	760	771	783	rBV	194052	466757	34.90%	6.876%
5	6.488	877	886	897	rBV	432812	874443	65.39%	12.881%
6	8.311	1177	1185	1196	rBV	844458	1337297	100.00%	19.700%
7	9.805	1424	1430	1439	rBV	753034	1040706	77.82%	15.331%
8	10.878	1601	1606	1615	rVB	756353	918965	68.72%	13.537%
9	11.219	1658	1662	1667	rBV2	11918	14653	1.10%	0.216%
10	11.853	1759	1766	1772	rBV	753825	914478	68.38%	13.471%

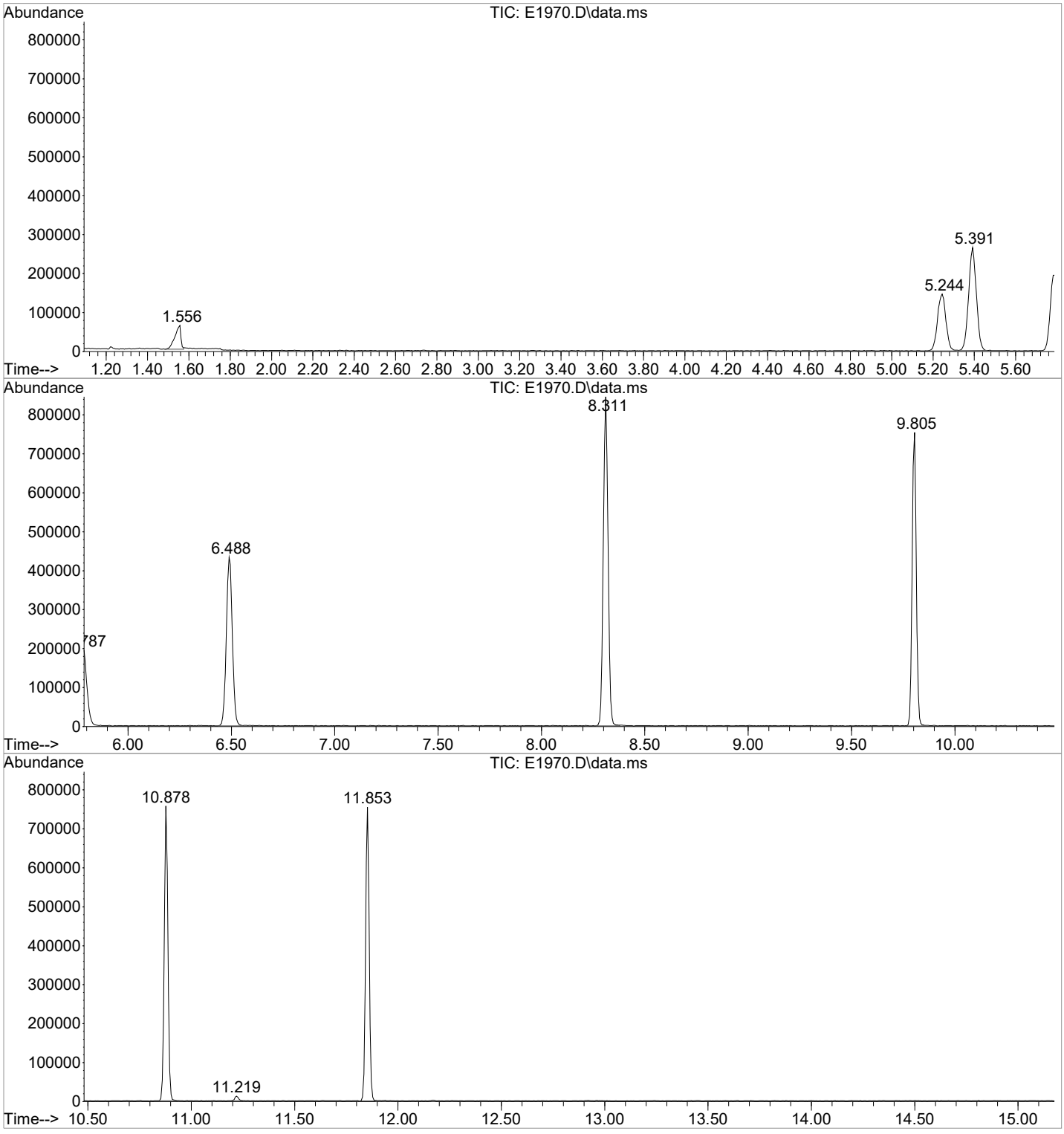
Sum of corrected areas: 6788420

LSC Report - Integrated Chromatogram

Data Path : I:\ACQUDATA\msvoa10\data\061819\
Data File : E1970.D
Acq On : 18 Jun 2019 12:13 pm
Operator : D.LIPANI
Sample : MET BLK Inst : MSVOA10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge

TIC Library : I:\ACQUDATA\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : I:\ACQUDATA\msvoa10\data\061819\
Data File : E1970.D
Acq On : 18 Jun 2019 12:13 pm
Operator : D.LIPANI
Sample : MET BLK Inst : MSVOA10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge

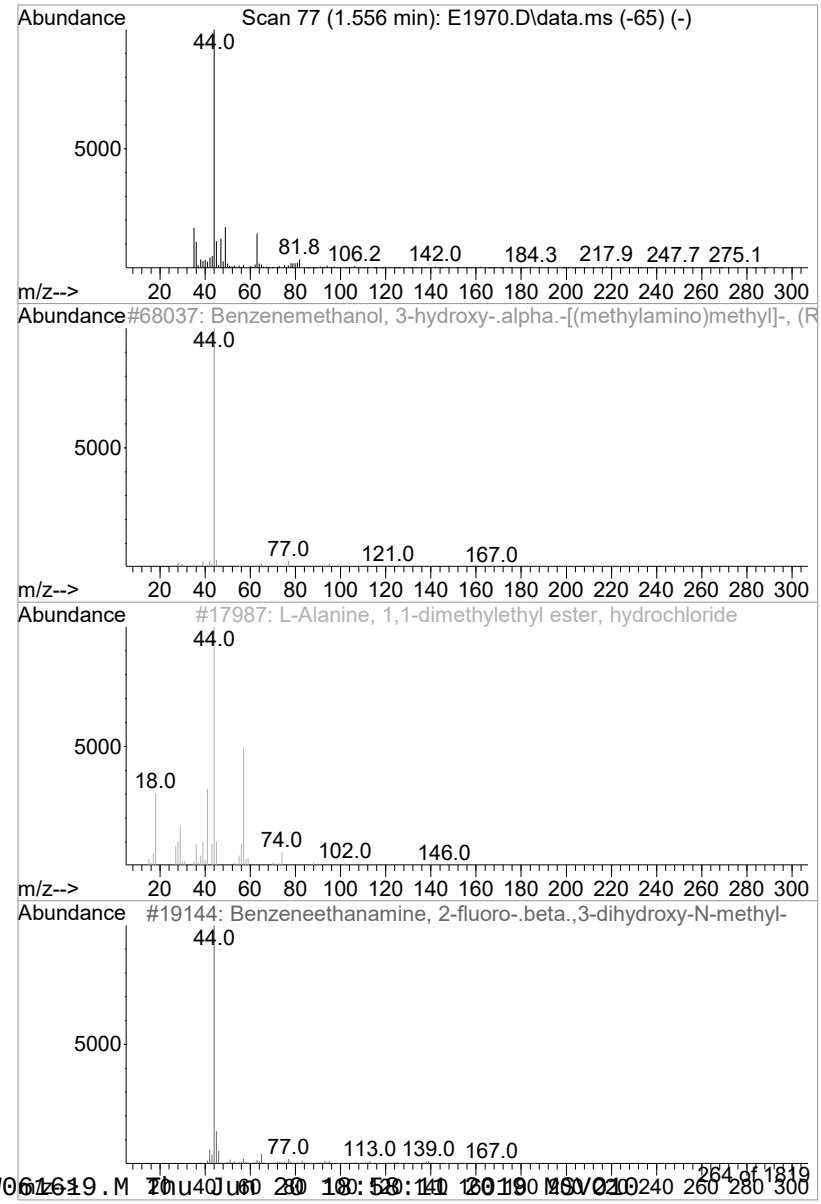
TIC Library : I:\ACQUDATA\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

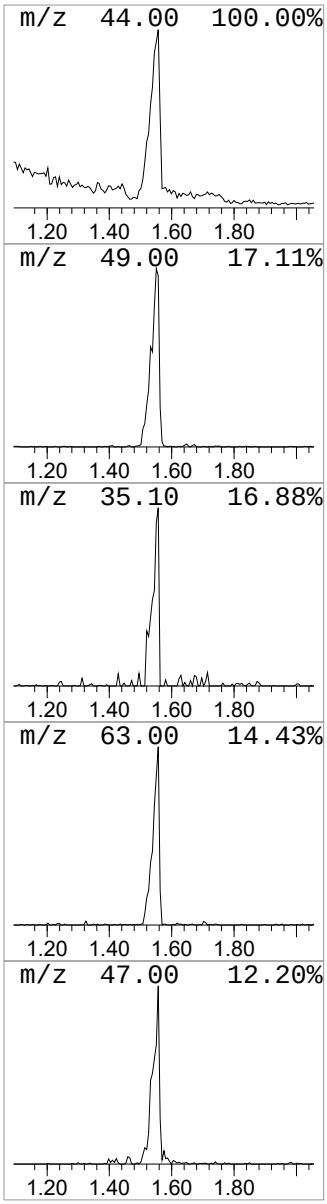
****

Peak Number 1 unknown Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.556	8.95 ug/L	122942	Pentafluorobenzene	5.391

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenemethanol, 3-hydroxy-.alph...	167	C9H13NO2	000059-42-7	9
2	L-Alanine, 1,1-dimethylethyl est...	181	C7H16ClNO2	013404-22-3	9
3	Benzeneethanamine, 2-fluoro-.bet...	185	C9H12FNO2	000000-00-0	9
4	Acetamide, 2-chloro-	93	C2H4ClNO	000079-07-2	9
5	Benzeneethanamine, .alpha.-methyl-	135	C9H13N	000060-15-1	9





Tentatively Identified Compound (LSC) summary

Data Path : I:\ACQUDATA\msvoa10\data\061819\
Data File : E1970.D
Acq On : 18 Jun 2019 12:13 pm
Operator : D.LIPANI
Sample : MET BLK Inst : MSVOA10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge

TIC Library : I:\ACQUDATA\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown	1.556	8.9	ug/L	122942	1	5.391	687047	50.0

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061819\
Data File : E1970.D
Acq On : 18 Jun 2019 12:13 pm
Operator : D.LIPANI
Sample : MET BLK Inst : MSVOA10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 20 18:56:53 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration

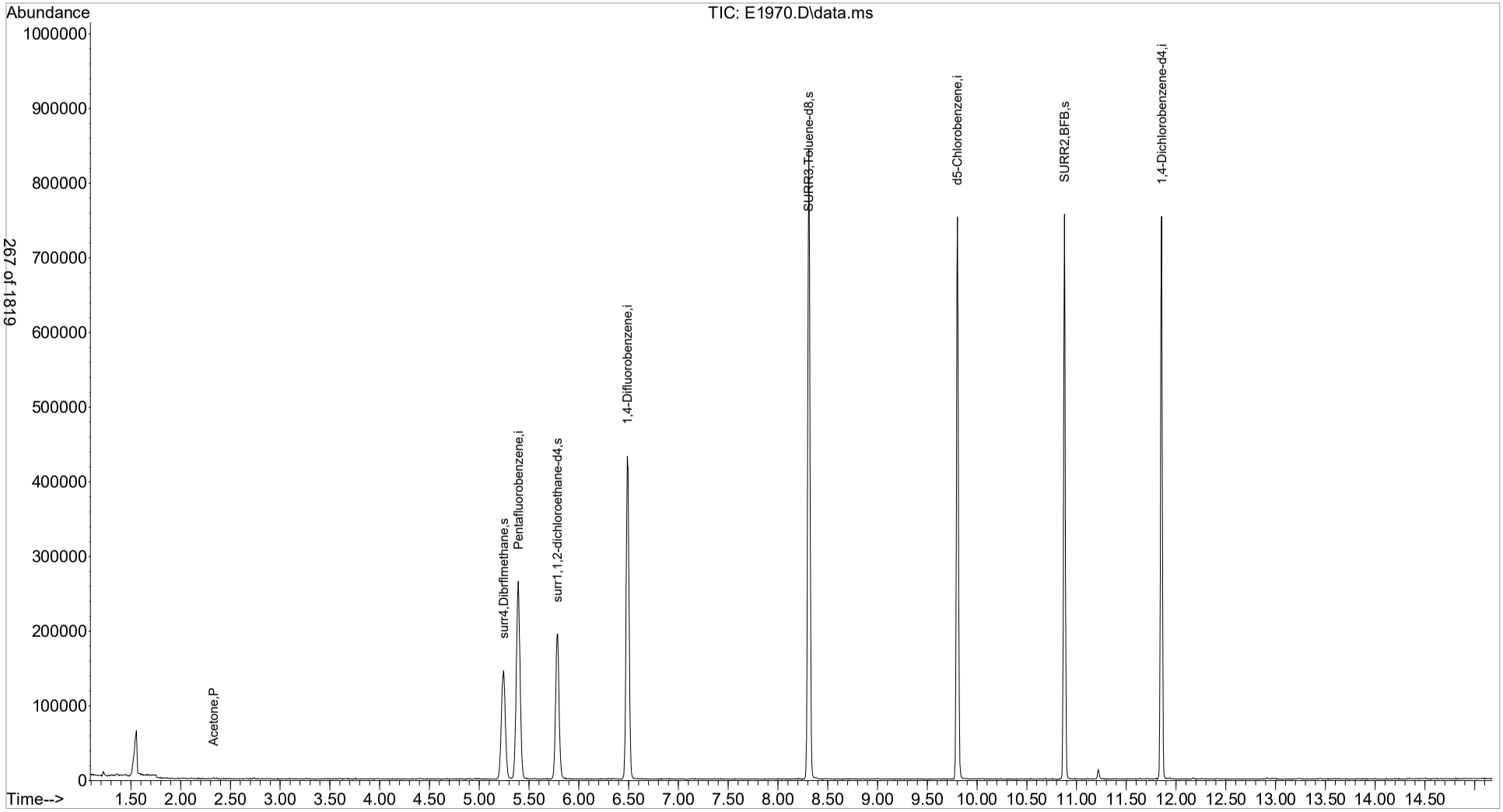
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.391	168	243410	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.488	114	358552	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.805	117	312935	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	139029	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.244	113	120325	51.32	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 102.64%			
46) surr1,1,2-dichloroetha...	5.787	65	165784	53.33	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 106.66%			
64) SURR3,Toluene-d8	8.311	98	492074	52.22	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 104.44%			
69) SURR2,BFB	10.878	95	173253	49.30	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 98.60%			
Target Compounds						Qvalue
5) Bromomethane	1.562	94	645	Below Cal		83
15) Acetone	2.330	43	1095	0.88	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

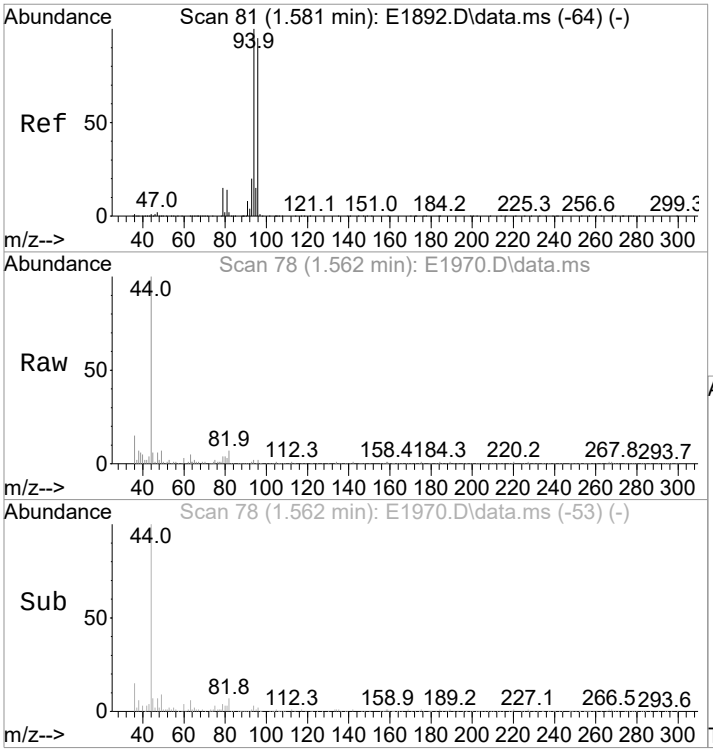
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061819\
Data File : E1970.D
Acq On : 18 Jun 2019 12:13 pm
Operator : D.LIPANI
Sample : MET BLK Inst : MSVOA10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 20 18:56:53 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration



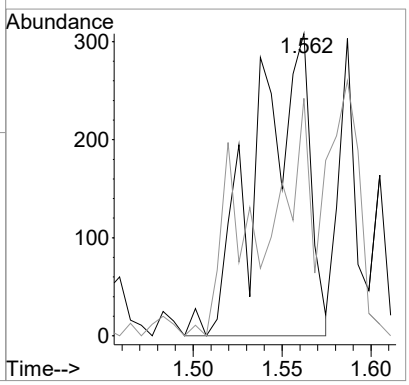
1st DL 06/21/19
2nd FJ 06/21/19

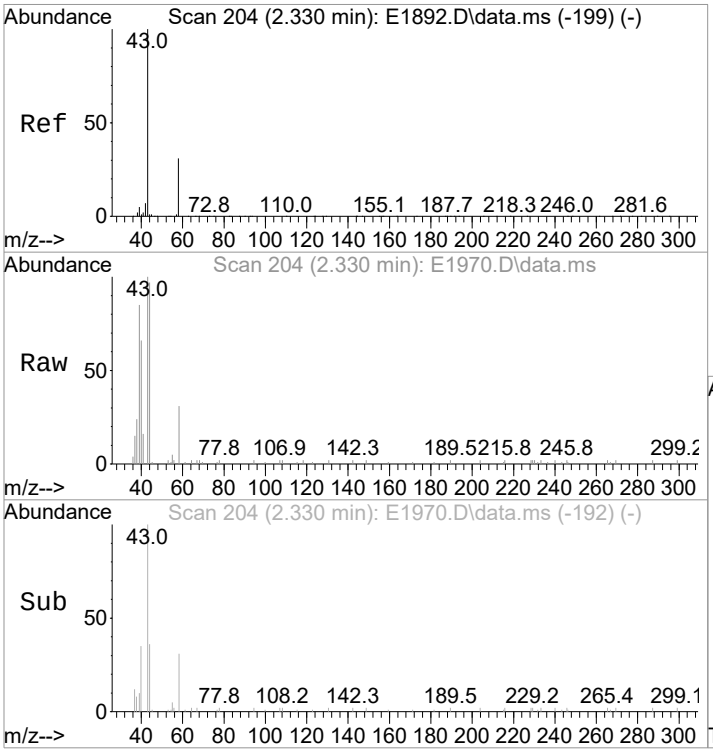


#5
Bromomethane
Concen: Below Cal
RT: 1.562 min Scan# 78
Delta R.T. -0.012 min
Lab File: E1970.D
Acq: 18 Jun 2019 12:13 pm

Tgt Ion: 94 Resp: 645

Ion	Ratio	Lower	Upper
94	100		
96	78.6	74.7	114.7

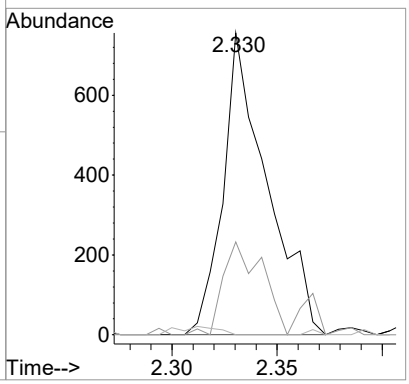




#15
Acetone
Concen: 0.88 ug/L
RT: 2.330 min Scan# 204
Delta R.T. -0.000 min
Lab File: E1970.D
Acq: 18 Jun 2019 12:13 pm

Tgt Ion: 43 Resp: 1095

Ion	Ratio	Lower	Upper
43	100		
58	30.8	10.8	50.8
42	0.0	0.0	26.9



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061719\
Data File : E1937.D
Acq On : 17 Jun 2019 11:03 pm
Operator : D.LIPANI
Sample : LCS-Acid Inst : MSVOA10
Misc :
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Jun 18 08:01:21 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.391	168	263760	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.488	114	392600	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.805	117	346269	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	186824	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.245	113	130718	50.92	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 101.84%			
46) surr1,1,2-dichloroetha...	5.781	65	178487	52.44	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 104.88%			
64) SURR3,Toluene-d8	8.311	98	525447	50.92	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.84%			
69) SURR2,BFB	10.878	95	190157	49.42	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 98.84%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.154	85	74134	19.18	ug/L	96
3) Chloromethane	1.282	50	75765	14.94	ug/L	97
4) Vinyl Chloride	1.355	62	68047	19.17	ug/L	92
5) Bromomethane	1.581	94	46248	21.51	ug/L	97
6) Chloroethane	1.660	64	32451	18.03	ug/L	100
7) Freon 21	1.812	67	85871	18.72	ug/L	98
8) Trichlorofluoromethane	1.855	101	70399	19.01	ug/L	92
9) Diethyl Ether	2.093	59	45852	18.23	ug/L	93
10) Freon 123a	2.099	67	55086	17.58	ug/L	99
11) Freon 123	2.148	83	66730	19.43	ug/L	89
12) Acrolein	2.196	56	20410	35.36	ug/L	97
13) 1,1-Diclethene	2.282	96	42638	18.49	ug/L	93
14) Freon 113	2.288	101	41535	18.42	ug/L	96
15) Acetone	2.330	43	28199	21.02	ug/L	89
16) 2-Propanol	2.465	45	133408	569.59	ug/L	95
17) Iodomethane	2.416	142	52275	16.48	ug/L	96
18) Carbon Disulfide	2.477	76	118827	16.56	ug/L	99
19) Acetonitrile	2.580	41	55783	101.48	ug/L	93
20) Allyl Chloride	2.617	76	28926	22.27	ug/L	95
21) Methyl Acetate	2.641	43	77127	22.04	ug/L	98
22) Methylene Chloride	2.733	84	56106	19.53	ug/L	97
23) TBA	2.867	59	199458	572.50	ug/L	99
24) Acrylonitrile	2.989	53	171713	113.16	ug/L	94
25) Methyl-t-Butyl Ether	3.038	73	185308	22.56	ug/L	98
26) trans-1,2-Dichloroethene	3.032	96	52910	20.69	ug/L	98
27) 1,1-Diclethane	3.525	63	110814	20.51	ug/L	99
28) Vinyl Acetate	3.623	86	10383	21.16	ug/L #	96
29) DIPE	3.653	45	210428	19.66	ug/L	98
30) 2-Chloro-1,3-Butadiene	3.647	53	91102	21.75	ug/L	92
31) ETBE	4.190	59	153203	19.17	ug/L	98
32) 2,2-Dichloropropane	4.367	77	66828	21.23	ug/L	98
33) cis-1,2-Dichloroethene	4.373	96	58382	19.28	ug/L	99
34) 2-Butanone	4.422	43	47908	21.29	ug/L	98
35) Propionitrile	4.501	54	71544	112.47	ug/L	99
36) Bromochloromethane	4.769	130	33990	17.93	ug/L	96
37) Methacrylonitrile	4.769	67	33155	20.40	ug/L	87
38) Tetrahydrofuran	4.854	42	28836	18.97	ug/L	95
39) Chloroform	4.952	83	98387	20.15	ug/L	96
40) 1,1,1-Trichloroethane	5.251	97	76258	20.57	ug/L	90

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061719\
Data File : E1937.D
Acq On : 17 Jun 2019 11:03 pm
Operator : D.LIPANI
Sample : LCS-Acid Inst : MSVOA10
Misc :
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Jun 18 08:01:21 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Cyclohexane	5.336	41	64671	19.04	ug/L		96
44) Carbontetrachloride	5.531	117	55942	19.87	ug/L		98
45) 1,1-Dichloropropene	5.543	75	75671	19.55	ug/L		98
47) Benzene	5.866	78	227696	19.00	ug/L		99
48) 1,2-Dichloroethane	5.897	62	87591	20.17	ug/L		97
49) Iso-Butyl Alcohol	5.885	43	93120	498.07	ug/L		98
50) TAME	6.098	73	154478	20.10	ug/L		96
51) n-Heptane	6.354	43	84238	19.55	ug/L		96
52) 1-Butanol	6.848	56	114564	1122.15	ug/L		97
53) Trichloroethene	6.817	130	57852	19.18	ug/L		88
54) Methylcyclohexane	7.055	55	73797	18.60	ug/L		99
55) 1,2-Diclpropane	7.098	63	63566	19.11	ug/L		97
56) Dibromomethane	7.238	93	36541	19.28	ug/L		99
57) 1,4-Dioxane	7.305	88	23405	425.51	ug/L		100
58) Methyl Methacrylate	7.329	69	50648	21.68	ug/L		92
59) Bromodichloromethane	7.470	83	67985	19.12	ug/L		98
60) 2-Nitropropane	7.756	41	26133	33.31	ug/L		92
62) cis-1,3-Dichloropropene	8.012	75	76453	17.32	ug/L		96
63) 4-Methyl-2-pentanone	8.220	43	90413	20.19	ug/L		99
65) Toluene	8.384	91	238868	19.18	ug/L		100
66) trans-1,3-Dichloropropene	8.652	75	72975	22.64	ug/L		96
67) Ethyl Methacrylate	8.793	69	84642	24.13	ug/L		96
68) 1,1,2-Trichloroethane	8.841	97	51846	18.55	ug/L		90
71) Tetrachloroethene	8.976	164	44166	18.77	ug/L		92
72) 2-Hexanone	9.134	43	65611	19.95	ug/L		97
73) 1,3-Dichloropropane	9.012	76	93624	18.71	ug/L		100
74) Dibromochloromethane	9.238	129	46104	18.04	ug/L		99
75) N-Butyl Acetate	9.286	43	120411	21.96	ug/L		97
76) 1,2-Dibromoethane	9.335	107	53221	20.41	ug/L		95
77) 3-Chlorobenzotrifluoride	9.847	180	75934	17.47	ug/L		94
78) Chlorobenzene	9.829	112	145855	18.93	ug/L		97
79) 4-Chlorobenzotrifluoride	9.902	180	69633	17.53	ug/L		93
80) 1,1,1,2-Tetrachloroethane	9.914	131	44368	18.34	ug/L		97
81) Ethylbenzene	9.951	106	77678	18.92	ug/L	#	89
82) (m+p)Xylene	10.061	106	195513	38.54	ug/L		96
83) o-Xylene	10.420	106	92875	18.86	ug/L		90
84) Styrene	10.433	104	161782	19.59	ug/L		96
85) Bromoform	10.585	173	30861	18.42	ug/L		99
86) 2-Chlorobenzotrifluoride	10.664	180	76761	17.96	ug/L		98
87) Isopropylbenzene	10.756	105	245154	19.29	ug/L		99
88) Cyclohexanone	10.817	55	76705	107.10	ug/L		96
89) trans-1,4-Dichloro-2-B...	11.060	53	18317	21.20	ug/L		98
91) 1,1,2,2-Tetrachloroethane	11.012	83	77025	19.60	ug/L		96
92) Bromobenzene	10.999	156	64933	19.49	ug/L		95
93) 1,2,3-Trichloropropane	11.042	110	23657	20.21	ug/L		91
94) n-Propylbenzene	11.109	91	298013	20.22	ug/L		100
95) 2-Chlorotoluene	11.170	91	175677	19.56	ug/L		98
96) 3-Chlorotoluene	11.225	91	164921	18.74	ug/L		99
97) 4-Chlorotoluene	11.268	91	200101	20.10	ug/L		99
98) 1,3,5-Trimethylbenzene	11.262	105	200380	19.75	ug/L		98
99) tert-Butylbenzene	11.536	119	171639	19.42	ug/L		100
100) 1,2,4-Trimethylbenzene	11.573	105	206300	20.17	ug/L		99
101) 3,4-Dichlorobenzotrifl...	11.634	214	61241	17.71	ug/L		95
102) sec-Butylbenzene	11.719	105	258555	19.62	ug/L		98
103) p-Isopropyltoluene	11.841	119	215183	19.77	ug/L		99
104) 1,3-Dclbenz	11.798	146	118616	19.15	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061719\
Data File : E1937.D
Acq On : 17 Jun 2019 11:03 pm
Operator : D.LIPANI
Sample : LCS-Acid Inst : MSVOA10
Misc :
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Jun 18 08:01:21 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration

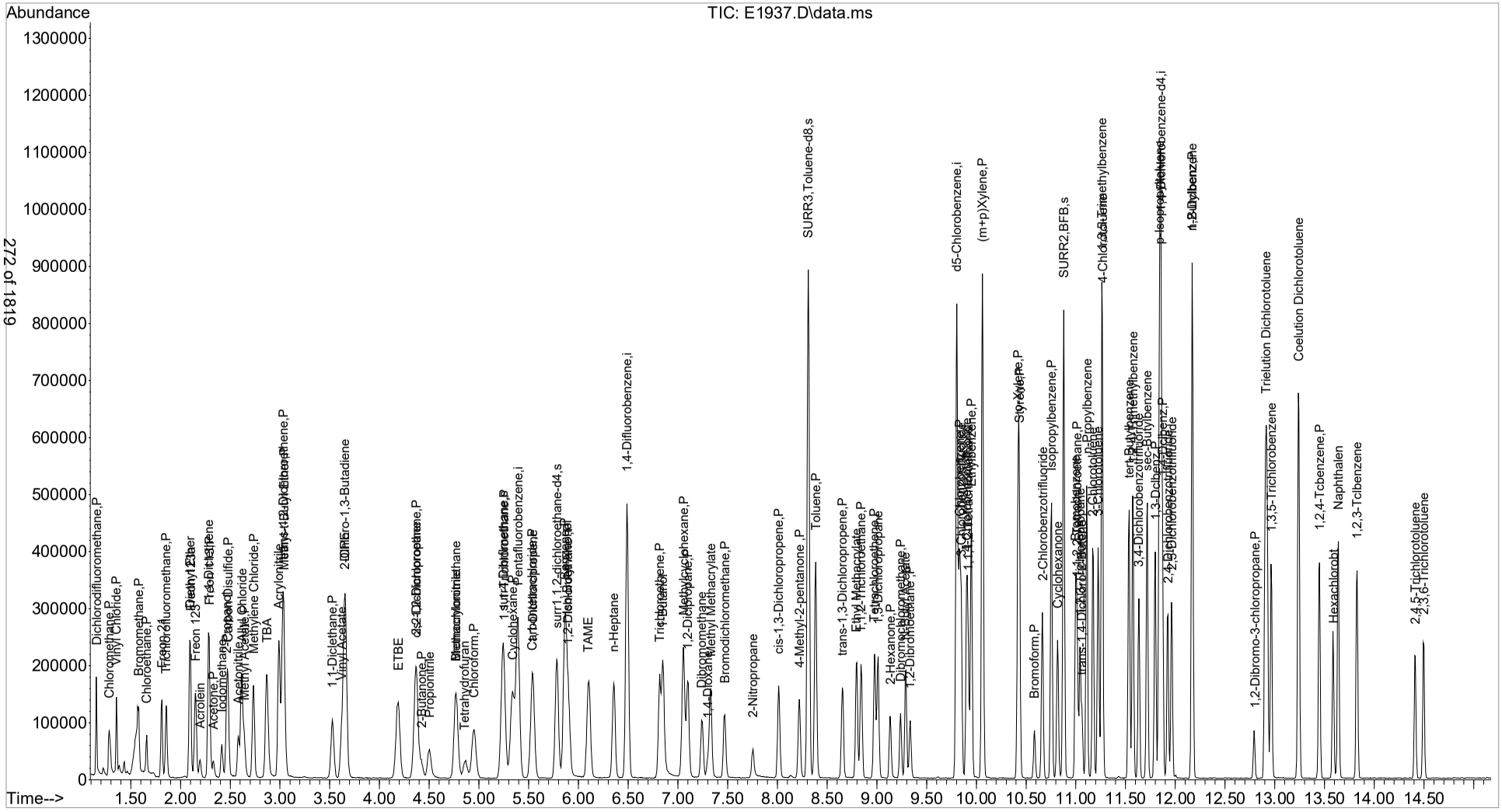
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,4-Dclbenz	11.871	146	122395	19.46	ug/L	99
106) 2,4-Dichlorobenzotrifl...	11.926	214	57847	18.51	ug/L	97
107) 2,5-Dichlorobenzotrifl...	11.963	214	65117	17.46	ug/L	92
108) n-Butylbenzene	12.170	91	204508	19.71	ug/L	97
109) 1,2-Dclbenz	12.170	146	119226	18.98	ug/L	99
110) 1,2-Dibromo-3-chloropr...	12.798	157	14837	22.21	ug/L	85
111) Trielution Dichlorotol...	12.914	125	290648	57.19	ug/L	98
112) 1,3,5-Trichlorobenzene	12.963	180	88488	18.71	ug/L	96
113) Coelution Dichlorotoluene	13.237	125	212984	39.20	ug/L	97
114) 1,2,4-Tcbenzene	13.450	180	92704	19.92	ug/L	99
115) Hexachlorobt	13.590	225	38003	18.47	ug/L	95
116) Naphthalen	13.639	128	250529	21.75	ug/L	98
117) 1,2,3-Tclbenzene	13.828	180	89548	20.22	ug/L	99
118) 2,4,5-Trichlorotoluene	14.413	159	45565	18.59	ug/L	92
119) 2,3,6-Trichlorotoluene	14.499	159	44307	16.84	ug/L	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061719\
Data File : E1937.D
Acq On : 17 Jun 2019 11:03 pm
Operator : D.LIPANI
Sample : LCS-Acid Inst : MSVOA10
Misc :
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Jun 18 08:01:21 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration



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1st DL 06/19/19
2nd FJ 06/20/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061819\
Data File : E1965.D
Acq On : 18 Jun 2019 10:15 am
Operator : D.LIPANI
Sample : LCS-Acid Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 18 10:43:15 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.391	168	255742	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.488	114	376824	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	331580	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	182242	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.238	113	124826	50.66	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 101.32%				
46) surr1,1,2-dichloroetha...	5.781	65	172427	52.78	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 105.56%				
64) SURR3,Toluene-d8	8.311	98	502860	50.77	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.54%				
69) SURR2,BFB	10.878	95	184689	50.01	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 100.02%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.154	85	82827	22.10	ug/L		99
3) Chloromethane	1.282	50	79339	16.14	ug/L		97
4) Vinyl Chloride	1.355	62	66634	19.36	ug/L		92
5) Bromomethane	1.581	94	42004	20.19	ug/L		100
6) Chloroethane	1.660	64	31781	18.22	ug/L		98
7) Freon 21	1.812	67	88487	19.89	ug/L		97
8) Trichlorofluoromethane	1.855	101	73950	20.59	ug/L		99
9) Diethyl Ether	2.093	59	46678	19.14	ug/L		98
10) Freon 123a	2.093	67	58588	19.28	ug/L		98
11) Freon 123	2.148	83	67783	20.36	ug/L		99
12) Acrolein	2.196	56	19768	35.33	ug/L		95
13) 1,1-Diclethene	2.282	96	43154	19.30	ug/L		98
14) Freon 113	2.288	101	44118	20.18	ug/L		88
15) Acetone	2.330	43	25809	19.84	ug/L		97
16) 2-Propanol	2.465	45	119153	529.21	ug/L		96
17) Iodomethane	2.416	142	57105	18.38	ug/L		96
18) Carbon Disulfide	2.477	76	111742	16.06	ug/L		99
19) Acetonitrile	2.580	41	51035	95.76	ug/L		98
20) Allyl Chloride	2.611	76	25763	20.45	ug/L		92
21) Methyl Acetate	2.641	43	61818	18.22	ug/L		96
22) Methylene Chloride	2.733	84	48321	17.35	ug/L		96
23) TBA	2.867	59	155076	468.65	ug/L		93
24) Acrylonitrile	2.989	53	136763	92.96	ug/L		99
25) Methyl-t-Butyl Ether	3.038	73	151912	19.07	ug/L		95
26) trans-1,2-Dichloroethene	3.032	96	45738	18.44	ug/L		97
27) 1,1-Diclethane	3.525	63	90517	17.28	ug/L		98
28) Vinyl Acetate	3.623	86	9161	19.25	ug/L	#	63
29) DIPE	3.653	45	167644	16.15	ug/L		99
30) 2-Chloro-1,3-Butadiene	3.647	53	73500	18.10	ug/L		98
31) ETBE	4.184	59	126478	16.32	ug/L		94
32) 2,2-Dichloropropane	4.361	77	60657	19.87	ug/L		94
33) cis-1,2-Dichloroethene	4.373	96	49813	16.96	ug/L		96
34) 2-Butanone	4.415	43	35729	16.37	ug/L		98
35) Propionitrile	4.501	54	54376	88.16	ug/L		99
36) Bromochloromethane	4.769	130	29696	16.15	ug/L		99
37) Methacrylonitrile	4.769	67	27585	17.50	ug/L	#	80
38) Tetrahydrofuran	4.867	42	23433	15.90	ug/L		89
39) Chloroform	4.946	83	80466	17.00	ug/L		96
40) 1,1,1-Trichloroethane	5.251	97	72485	20.16	ug/L		90

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061819\
Data File : E1965.D
Acq On : 18 Jun 2019 10:15 am
Operator : D.LIPANI
Sample : LCS-Acid Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 18 10:43:15 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Cyclohexane	5.336	41	62151	19.07	ug/L	82
44) Carbontetrachloride	5.525	117	58368	21.60	ug/L	89
45) 1,1-Dichloropropene	5.537	75	77860	20.96	ug/L	92
47) Benzene	5.860	78	223778	19.46	ug/L	98
48) 1,2-Dichloroethane	5.903	62	85119	20.42	ug/L	95
49) Iso-Butyl Alcohol	5.879	43	85438	477.67	ug/L	100
50) TAME	6.104	73	143055	19.39	ug/L	97
51) n-Heptane	6.354	43	93475	22.60	ug/L	97
52) 1-Butanol	6.848	56	104663	1072.25	ug/L	97
53) Trichloroethene	6.817	130	57632	19.90	ug/L	98
54) Methylcyclohexane	7.055	55	76306	20.03	ug/L	98
55) 1,2-Diclpropane	7.098	63	60205	18.85	ug/L	99
56) Dibromomethane	7.244	93	36623	20.13	ug/L	95
57) 1,4-Dioxane	7.305	88	20831	394.56	ug/L	92
58) Methyl Methacrylate	7.330	69	47271	21.08	ug/L	94
59) Bromodichloromethane	7.464	83	67754	19.86	ug/L	99
60) 2-Nitropropane	7.750	41	30281	40.21	ug/L	98
62) cis-1,3-Dichloropropene	8.012	75	86449	20.40	ug/L	98
63) 4-Methyl-2-pentanone	8.220	43	80940	18.83	ug/L	96
65) Toluene	8.384	91	232048	19.41	ug/L	98
66) trans-1,3-Dichloropropene	8.652	75	74591	24.02	ug/L	99
67) Ethyl Methacrylate	8.799	69	80348	23.88	ug/L	99
68) 1,1,2-Trichloroethane	8.841	97	50772	18.93	ug/L	92
71) Tetrachloroethene	8.982	164	43180	19.17	ug/L	93
72) 2-Hexanone	9.134	43	59761	18.98	ug/L	99
73) 1,3-Dichloropropane	9.012	76	92777	19.36	ug/L	98
74) Dibromochloromethane	9.238	129	47100	19.25	ug/L	96
75) N-Butyl Acetate	9.286	43	114755	21.86	ug/L	98
76) 1,2-Dibromoethane	9.335	107	51260	20.53	ug/L	99
77) 3-Chlorobenzotrifluoride	9.847	180	76267	18.33	ug/L	99
78) Chlorobenzene	9.829	112	144438	19.58	ug/L	99
79) 4-Chlorobenzotrifluoride	9.902	180	65781	17.29	ug/L	91
80) 1,1,1,2-Tetrachloroethane	9.914	131	45827	19.78	ug/L	94
81) Ethylbenzene	9.951	106	75527	19.21	ug/L	100
82) (m+p)Xylene	10.061	106	192925	39.71	ug/L	98
83) o-Xylene	10.420	106	91800	19.47	ug/L	94
84) Styrene	10.433	104	157065	19.86	ug/L	98
85) Bromoform	10.585	173	30220	18.83	ug/L	97
86) 2-Chlorobenzotrifluoride	10.664	180	73390	17.93	ug/L	95
87) Isopropylbenzene	10.756	105	241717	19.87	ug/L	99
88) Cyclohexanone	10.817	55	67650	98.64	ug/L	96
89) trans-1,4-Dichloro-2-B...	11.060	53	18339	22.12	ug/L	97
91) 1,1,2,2-Tetrachloroethane	11.012	83	74721	19.50	ug/L	98
92) Bromobenzene	11.000	156	63023	19.39	ug/L	95
93) 1,2,3-Trichloropropane	11.042	110	21913	19.19	ug/L	90
94) n-Propylbenzene	11.109	91	297523	20.69	ug/L	98
95) 2-Chlorotoluene	11.170	91	170482	19.46	ug/L	98
96) 3-Chlorotoluene	11.225	91	156552	18.23	ug/L	96
97) 4-Chlorotoluene	11.268	91	199242	20.51	ug/L	99
98) 1,3,5-Trimethylbenzene	11.262	105	199452	20.15	ug/L	100
99) tert-Butylbenzene	11.536	119	170014	19.72	ug/L	98
100) 1,2,4-Trimethylbenzene	11.573	105	201911	20.24	ug/L	100
101) 3,4-Dichlorobenzotrifl...	11.634	214	59252	17.57	ug/L	95
102) sec-Butylbenzene	11.719	105	257881	20.06	ug/L	98
103) p-Isopropyltoluene	11.841	119	219244	20.65	ug/L	98
104) 1,3-Dclbenz	11.798	146	118041	19.53	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061819\
Data File : E1965.D
Acq On : 18 Jun 2019 10:15 am
Operator : D.LIPANI
Sample : LCS-Acid Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 18 10:43:15 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration

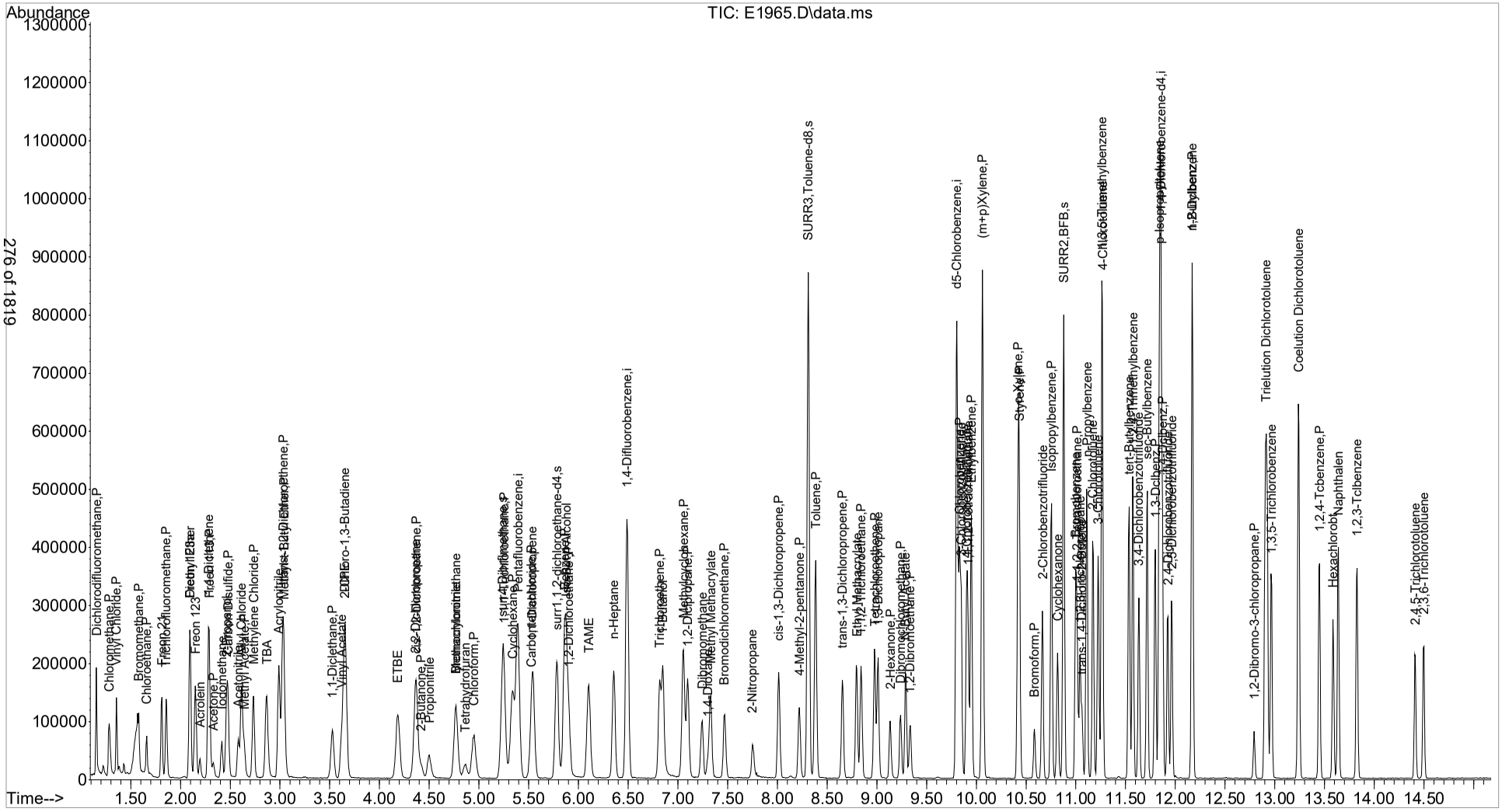
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,4-Dclbenz	11.871	146	122217	19.92	ug/L	97
106) 2,4-Dichlorobenzotrifl...	11.926	214	56957	18.68	ug/L	97
107) 2,5-Dichlorobenzotrifl...	11.963	214	61743	16.98	ug/L	95
108) n-Butylbenzene	12.170	91	210230	20.77	ug/L	98
109) 1,2-Dclbenz	12.170	146	115553	18.86	ug/L	99
110) 1,2-Dibromo-3-chloropr...	12.792	157	15691	23.96	ug/L	95
111) Trielution Dichlorotol...	12.914	125	276569	55.78	ug/L	98
112) 1,3,5-Trichlorobenzene	12.969	180	85427	18.52	ug/L	98
113) Coelution Dichlorotoluene	13.237	125	199870	37.71	ug/L	96
114) 1,2,4-Tcbenzene	13.450	180	93628	20.62	ug/L	98
115) Hexachlorobt	13.584	225	41433	20.64	ug/L	98
116) Naphthalen	13.639	128	236008	21.01	ug/L	99
117) 1,2,3-Tclbenzene	13.828	180	89206	20.65	ug/L	99
118) 2,4,5-Trichlorotoluene	14.414	159	44103	18.45	ug/L	100
119) 2,3,6-Trichlorotoluene	14.499	159	41753	16.30	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061819\
Data File : E1965.D
Acq On : 18 Jun 2019 10:15 am
Operator : D.LIPANI
Sample : LCS-Acid Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 18 10:43:15 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration



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1st DL 06/21/19
2nd DL 06/1/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061719\
Data File : E1938.D
Acq On : 17 Jun 2019 11:25 pm
Operator : D.LIPANI
Sample : DLCS-Acid Inst : MSVOA10
Misc :
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Jun 18 08:04:19 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.391	168	266582	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.488	114	393446	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	344000	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	186145	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.238	113	128694	50.02	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 100.04%				
46) surr1,1,2-dichloroetha...	5.781	65	177815	52.13	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 104.26%				
64) SURR3,Toluene-d8	8.311	98	524972	50.77	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.54%				
69) SURR2,BFB	10.878	95	191103	49.56	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 99.12%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.154	85	78135	20.00	ug/L		99
3) Chloromethane	1.282	50	76531	14.94	ug/L		89
4) Vinyl Chloride	1.355	62	66072	18.41	ug/L		95
5) Bromomethane	1.581	94	41836	19.32	ug/L		93
6) Chloroethane	1.660	64	30768	16.90	ug/L		93
7) Freon 21	1.812	67	84982	18.33	ug/L		99
8) Trichlorofluoromethane	1.855	101	69345	18.53	ug/L		97
9) Diethyl Ether	2.093	59	43769	17.21	ug/L		95
10) Freon 123a	2.099	67	55352	17.47	ug/L		94
11) Freon 123	2.148	83	68055	19.61	ug/L		95
12) Acrolein	2.196	56	18907	32.41	ug/L		100
13) 1,1-Diclethene	2.282	96	41314	17.72	ug/L		99
14) Freon 113	2.288	101	41170	18.07	ug/L		98
15) Acetone	2.330	43	29371	21.66	ug/L		91
16) 2-Propanol	2.465	45	164023	677.38	ug/L		97
17) Iodomethane	2.416	142	54015	16.81	ug/L		98
18) Carbon Disulfide	2.477	76	125520	17.30	ug/L		97
19) Acetonitrile	2.580	41	63595	114.47	ug/L		95
20) Allyl Chloride	2.617	76	27963	21.30	ug/L	#	86
21) Methyl Acetate	2.641	43	74536	21.07	ug/L		97
22) Methylene Chloride	2.733	84	57051	19.65	ug/L		97
23) TBA	2.867	59	191086	545.56	ug/L		98
24) Acrylonitrile	2.989	53	173713	113.27	ug/L		97
25) Methyl-t-Butyl Ether	3.038	73	184332	22.20	ug/L		98
26) trans-1,2-Dichloroethene	3.032	96	51913	20.08	ug/L		95
27) 1,1-Diclethane	3.525	63	109376	20.03	ug/L		99
28) Vinyl Acetate	3.617	86	8607	17.35	ug/L	#	79
29) DIPE	3.653	45	215860	19.95	ug/L		98
30) 2-Chloro-1,3-Butadiene	3.653	53	84655	20.00	ug/L		99
31) ETBE	4.184	59	154165	19.08	ug/L		98
32) 2,2-Dichloropropane	4.361	77	65113	20.47	ug/L		91
33) cis-1,2-Dichloroethene	4.373	96	59113	19.31	ug/L		89
34) 2-Butanone	4.415	43	47883	21.05	ug/L		96
35) Propionitrile	4.495	54	69012	107.34	ug/L		97
36) Bromochloromethane	4.769	130	35727	18.64	ug/L		94
37) Methacrylonitrile	4.775	67	32778	19.95	ug/L		91
38) Tetrahydrofuran	4.854	42	28478	18.53	ug/L		95
39) Chloroform	4.952	83	96614	19.58	ug/L		98
40) 1,1,1-Trichloroethane	5.251	97	73375	19.58	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061719\
Data File : E1938.D
Acq On : 17 Jun 2019 11:25 pm
Operator : D.LIPANI
Sample : DLCS-Acid Inst : MSVOA10
Misc :
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Jun 18 08:04:19 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Cyclohexane	5.342	41	64672	19.00	ug/L	92
44) Carbontetrachloride	5.525	117	54037	19.15	ug/L	96
45) 1,1-Dichloropropene	5.543	75	77814	20.06	ug/L	93
47) Benzene	5.860	78	225082	18.74	ug/L	100
48) 1,2-Dichloroethane	5.897	62	85297	19.60	ug/L	99
49) Iso-Butyl Alcohol	5.879	43	90199	482.60	ug/L	91
50) TAME	6.104	73	153810	19.97	ug/L	99
51) n-Heptane	6.354	43	78832	18.26	ug/L	94
52) 1-Butanol	6.848	56	115821	1131.23	ug/L	95
53) Trichloroethene	6.817	130	56005	18.53	ug/L	95
54) Methylcyclohexane	7.055	55	76148	19.15	ug/L	98
55) 1,2-Diclpropane	7.098	63	62509	18.75	ug/L	96
56) Dibromomethane	7.244	93	36634	19.29	ug/L	94
57) 1,4-Dioxane	7.299	88	24051	436.31	ug/L	98
58) Methyl Methacrylate	7.330	69	49851	21.29	ug/L	98
59) Bromodichloromethane	7.470	83	66333	18.62	ug/L	96
60) 2-Nitropropane	7.756	41	29614	37.67	ug/L	90
62) cis-1,3-Dichloropropene	8.012	75	85445	19.31	ug/L	99
63) 4-Methyl-2-pentanone	8.220	43	87188	19.42	ug/L	95
65) Toluene	8.384	91	236210	18.92	ug/L	99
66) trans-1,3-Dichloropropene	8.652	75	70441	21.86	ug/L	97
67) Ethyl Methacrylate	8.793	69	82650	23.55	ug/L	91
68) 1,1,2-Trichloroethane	8.841	97	51007	18.21	ug/L	94
71) Tetrachloroethene	8.982	164	43063	18.42	ug/L	94
72) 2-Hexanone	9.134	43	63828	19.54	ug/L	99
73) 1,3-Dichloropropane	9.012	76	95510	19.21	ug/L	99
74) Dibromochloromethane	9.238	129	46266	18.23	ug/L	99
75) N-Butyl Acetate	9.286	43	118704	21.79	ug/L	95
76) 1,2-Dibromoethane	9.335	107	51372	19.83	ug/L	99
77) 3-Chlorobenzotrifluoride	9.847	180	78629	18.21	ug/L	96
78) Chlorobenzene	9.829	112	144787	18.92	ug/L	99
79) 4-Chlorobenzotrifluoride	9.902	180	69183	17.53	ug/L	99
80) 1,1,1,2-Tetrachloroethane	9.914	131	45875	19.09	ug/L	96
81) Ethylbenzene	9.951	106	76377	18.72	ug/L	99
82) (m+p)Xylene	10.061	106	190460	37.79	ug/L	97
83) o-Xylene	10.420	106	91310	18.66	ug/L	89
84) Styrene	10.433	104	157290	19.17	ug/L	97
85) Bromoform	10.585	173	30082	18.07	ug/L	98
86) 2-Chlorobenzotrifluoride	10.664	180	76618	18.04	ug/L	99
87) Isopropylbenzene	10.756	105	239807	19.00	ug/L	100
88) Cyclohexanone	10.817	55	74637	104.90	ug/L	100
89) trans-1,4-Dichloro-2-B...	11.060	53	19327	22.45	ug/L	88
91) 1,1,2,2-Tetrachloroethane	11.012	83	77400	19.77	ug/L	98
92) Bromobenzene	11.000	156	63361	19.09	ug/L	96
93) 1,2,3-Trichloropropane	11.042	110	22417	19.22	ug/L	91
94) n-Propylbenzene	11.109	91	253518	17.26	ug/L	99
95) 2-Chlorotoluene	11.170	91	171598	19.18	ug/L	97
96) 3-Chlorotoluene	11.225	91	165927	18.92	ug/L	98
97) 4-Chlorotoluene	11.268	91	192408	19.39	ug/L	98
98) 1,3,5-Trimethylbenzene	11.262	105	199524	19.73	ug/L	99
99) tert-Butylbenzene	11.536	119	167911	19.07	ug/L	95
100) 1,2,4-Trimethylbenzene	11.573	105	199687	19.60	ug/L	98
101) 3,4-Dichlorobenzotrifl...	11.634	214	62141	18.04	ug/L	97
102) sec-Butylbenzene	11.719	105	256924	19.57	ug/L	99
103) p-Isopropyltoluene	11.841	119	210781	19.44	ug/L	98
104) 1,3-Dclbenz	11.798	146	114391	18.53	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061719\
Data File : E1938.D
Acq On : 17 Jun 2019 11:25 pm
Operator : D.LIPANI
Sample : DLCS-Acid Inst : MSVOA10
Misc :
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Jun 18 08:04:19 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration

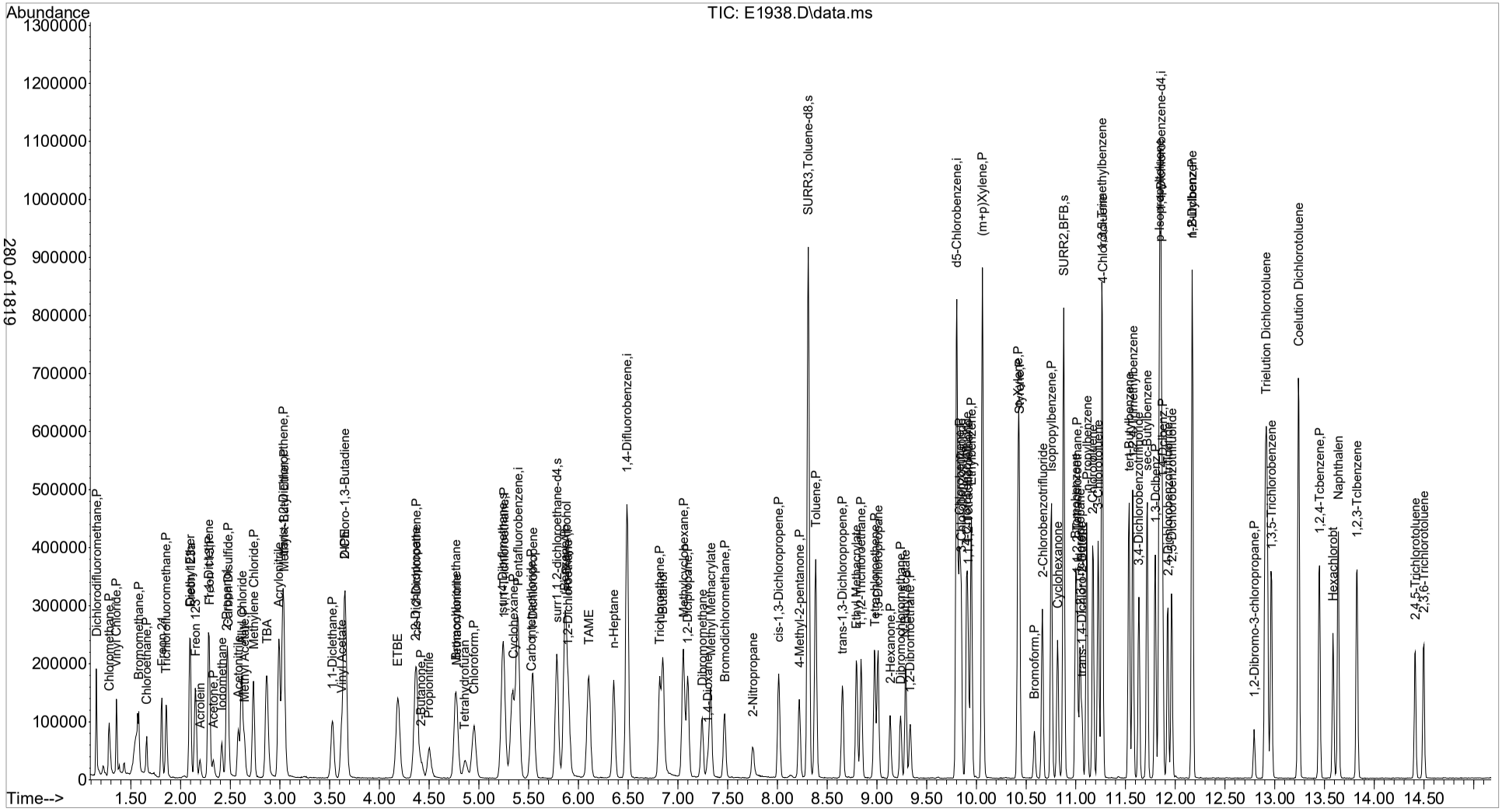
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,4-Dclbenz	11.871	146	119496	19.06	ug/L	98
106) 2,4-Dichlorobenzotrifl...	11.926	214	56648	18.19	ug/L	98
107) 2,5-Dichlorobenzotrifl...	11.963	214	63997	17.23	ug/L	98
108) n-Butylbenzene	12.170	91	202706	19.61	ug/L	97
109) 1,2-Dclbenz	12.170	146	116512	18.62	ug/L	100
110) 1,2-Dibromo-3-chloropr...	12.792	157	14552	21.88	ug/L	96
111) Trielution Dichlorotol...	12.914	125	289293	57.13	ug/L	99
112) 1,3,5-Trichlorobenzene	12.969	180	88551	18.80	ug/L	97
113) Coelution Dichlorotoluene	13.237	125	210562	38.90	ug/L	95
114) 1,2,4-Tcbenzene	13.450	180	90424	19.50	ug/L	95
115) Hexachlorobt	13.584	225	37769	18.42	ug/L	91
116) Naphthalen	13.639	128	247984	21.61	ug/L	99
117) 1,2,3-Tclbenzene	13.828	180	89478	20.28	ug/L	99
118) 2,4,5-Trichlorotoluene	14.414	159	44411	18.21	ug/L	100
119) 2,3,6-Trichlorotoluene	14.499	159	43478	16.60	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061719\
Data File : E1938.D
Acq On : 17 Jun 2019 11:25 pm
Operator : D.LIPANI
Sample : DLCS-Acid Inst : MSVOA10
Misc :
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Jun 18 08:04:19 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration



1st 06/19/19
2nd 06/20/19

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\061719\
Data File : E1936.D
Acq On : 17 Jun 2019 10:41 pm
Operator : D.LIPANI
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Jun 18 07:55:41 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	i	Pentafluorobenzene	50.0000	50.0000	0.0	85	0.00
2	P	Dichlorodifluoromethane	50.0000	61.2248	-22.4#	102	0.00
3	P	Chloromethane	50.0000	42.9229	14.2	75	0.00
4	P	Vinyl Chloride	50.0000	55.4268	-10.9	97	0.00
5	P	Bromomethane	50.0000	59.9485	-19.9	117	0.00
6	P	Chloroethane	50.0000	60.8259	-21.7#	101	0.00
7		Freon 21	50.0000	57.9964	-16.0	99	0.00
8	P	Trichlorofluoromethane	50.0000	57.9471	-15.9	101	0.00
9		Diethyl Ether	50.0000	53.0496	-6.1	101	0.00
10		Freon 123a	50.0000	53.7408	-7.5	100	0.00
11		Freon 123	50.0000	53.7802	-7.6	99	0.00
12		Acrolein	250.0000	284.3746	-13.7	100	0.00
13		1,1-Diclethene	50.0000	54.7084	-9.4	100	0.00
14	P	Freon 113	50.0000	55.4865	-11.0	105	0.00
15	P	Acetone	50.0000	56.3030	-12.6	97	0.00
16		2-Propanol	1000.0000	1225.9762	-22.6#	110	0.00
17		Iodomethane	50.0000	55.5136	-11.0	94	0.00
18	P	Carbon Disulfide	50.0000	53.0142	-6.0	100	0.00
19		Acetonitrile	250.0000	278.9957	-11.6	100	0.00
20		Allyl Chloride	50.0000	53.6036	-7.2	97	0.00
21	P	Methyl Acetate	50.0000	54.1856	-8.4	104	0.00
22	P	Methylene Chloride	50.0000	48.4683	3.1	96	0.00
23		TBA	1000.0000	1178.9962	-17.9	106	0.00
24		Acrylonitrile	250.0000	269.4967	-7.8	98	0.00
25	P	Methyl-t-Butyl Ether	50.0000	54.6179	-9.2	99	0.00
26	P	trans-1,2-Dichloroethene	50.0000	53.1461	-6.3	101	0.00
27	P	1,1-Diclethane	50.0000	51.1588	-2.3	87	0.00
28		Vinyl Acetate	50.0000	50.9725	-1.9	90	0.00
29		DIPE	50.0000	50.4674	-0.9	82	0.00
30		2-Chloro-1,3-Butadiene	50.0000	53.4833	-7.0	87	0.00
31		ETBE	50.0000	52.1437	-4.3	88	0.00
32		2,2-Dichloropropane	50.0000	56.2510	-12.5	96	0.00
33	P	cis-1,2-Dichloroethene	50.0000	48.8967	2.2	84	0.00
34	P	2-Butanone	50.0000	51.4015	-2.8	86	0.00
35		Propionitrile	250.0000	261.2583	-4.5	83	0.00
36		Bromochloromethane	50.0000	49.2234	1.6	85	0.00
37		Methacrylonitrile	50.0000	50.0995	-0.2	86	0.00
38		Tetrahydrofuran	50.0000	46.5443	6.9	84	0.00
39	P	Chloroform	50.0000	49.1389	1.7	84	0.00
40	P	1,1,1-Trichloroethane	50.0000	51.0217	-2.0	88	0.00
41	i	1,4-Difluorobenzene	50.0000	50.0000	0.0	84	0.00
42	P	Cyclohexane	50.0000	49.4291	1.1	84	0.00
43	s	surr4,Dibrflmethane	50.0000	50.8770	-1.8	85	0.00
44	P	Carbontetrachloride	50.0000	53.1294	-6.3	91	0.00
45		1,1-Dichloropropene	50.0000	50.7342	-1.5	86	0.00
46	s	surr1,1,2-dichloroethane-d4	50.0000	51.5534	-3.1	87	0.00
47	P	Benzene	50.0000	48.7976	2.4	84	0.00
48	P	1,2-Dichloroethane	50.0000	50.3260	-0.7	84	0.00
49		Iso-Butyl Alcohol	1000.0000	1110.5083	-11.1	88	-0.01
50		TAME	50.0000	52.1531	-4.3	88	0.00
51		n-Heptane	50.0000	51.9128	-3.8	85	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\061719\
Data File : E1936.D
Acq On : 17 Jun 2019 10:41 pm
Operator : D.LIPANI
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Jun 18 07:55:41 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
52		1-Butanol	2500.0000	2816.1237	-12.6	89	0.00
53	P	Trichloroethene	50.0000	48.2165	3.6	83	0.00
54	P	Methylcyclohexane	50.0000	49.6728	0.7	84	0.00
55	P	1,2-Diclpropane	50.0000	49.9489	0.1	84	0.00
56		Dibromomethane	50.0000	50.2560	-0.5	85	0.00
57		1,4-Dioxane	1000.0000	990.8136	0.9	82	0.00
58		Methyl Methacrylate	50.0000	53.0921	-6.2	83	0.00
59	P	Bromodichloromethane	50.0000	51.0213	-2.0	86	0.00
60		2-Nitropropane	100.0000	92.3361	7.7	80	0.00
61		2-Chloroethylvinyl Ether	50.0000	50.9352	-1.9	82	0.00
62	P	cis-1,3-Dichloropropene	50.0000	53.1192	-6.2	87	0.00
63	P	4-Methyl-2-pentanone	50.0000	49.8955	0.2	83	0.00
64	s	SURR3,Toluene-d8	50.0000	51.5117	-3.0	86	0.00
65	P	Toluene	50.0000	49.8482	0.3	83	0.00
66	P	trans-1,3-Dichloropropene	50.0000	55.6774	-11.4	88	0.00
67		Ethyl Methacrylate	50.0000	57.3816	-14.8	86	0.00
68	P	1,1,2-Trichloroethane	50.0000	48.0571	3.9	81	0.00
69	s	SURR2,BFB	50.0000	51.4720	-2.9	85	0.00
70	i	d5-Chlorobenzene	50.0000	50.0000	0.0	84	0.00
71	P	Tetrachloroethene	50.0000	50.3973	-0.8	86	0.00
72	P	2-Hexanone	50.0000	50.4783	-1.0	84	0.00
73		1,3-Dichloropropane	50.0000	48.9443	2.1	82	0.00
74	P	Dibromochloromethane	50.0000	49.7224	0.6	82	0.00
75		N-Butyl Acetate	50.0000	55.0619	-10.1	83	0.00
76	P	1,2-Dibromoethane	50.0000	53.6089	-7.2	84	0.00
77		3-Chlorobenzotrifluoride	50.0000	50.6356	-1.3	85	0.00
78	P	Chlorobenzene	50.0000	49.5598	0.9	82	0.00
79		4-Chlorobenzotrifluoride	50.0000	48.3817	3.2	82	0.00
80		1,1,1,2-Tetrachloroethane	50.0000	51.9336	-3.9	87	0.00
81	P	Ethylbenzene	50.0000	51.3016	-2.6	84	0.00
82	P	(m+p)Xylene	100.0000	101.9047	-1.9	84	0.00
83	P	o-Xylene	50.0000	50.7898	-1.6	83	0.00
84	P	Styrene	50.0000	51.7943	-3.6	83	0.00
85	P	Bromoform	50.0000	51.6527	-3.3	82	0.00
86		2-Chlorobenzotrifluoride	50.0000	49.3865	1.2	83	0.00
87	P	Isopropylbenzene	50.0000	52.4617	-4.9	83	0.00
88		Cyclohexanone	1000.0000	1193.1552	-19.3	91	0.00
89		trans-1,4-Dichloro-2-Butene	50.0000	53.1538	-6.3	81	0.00
90	i	1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	88	0.00
91	P	1,1,2,2-Tetrachloroethane	50.0000	49.4521	1.1	85	0.00
92		Bromobenzene	50.0000	48.3678	3.3	85	0.00
93		1,2,3-Trichloropropane	50.0000	48.6387	2.7	84	0.00
94		n-Propylbenzene	50.0000	50.7494	-1.5	85	0.00
95		2-Chlorotoluene	50.0000	48.4394	3.1	85	0.00
96		3-Chlorotoluene	50.0000	47.6566	4.7	84	0.00
97		4-Chlorotoluene	50.0000	51.5455	-3.1	86	0.00
98		1,3,5-Trimethylbenzene	50.0000	50.6133	-1.2	85	0.00
99		tert-Butylbenzene	50.0000	50.0470	-0.1	85	0.00
100		1,2,4-Trimethylbenzene	50.0000	50.3333	-0.7	84	0.00
101		3,4-Dichlorobenzotrifluorid	50.0000	49.2080	1.6	86	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\061719\
Data File : E1936.D
Acq On : 17 Jun 2019 10:41 pm
Operator : D.LIPANI
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Jun 18 07:55:41 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
102		sec-Butylbenzene	50.0000	51.7543	-3.5	87	0.00
103		p-Isopropyltoluene	50.0000	51.9825	-4.0	87	0.00
104	P	1,3-Dclbenz	50.0000	49.1222	1.8	86	0.00
105	P	1,4-Dclbenz	50.0000	48.8038	2.4	85	0.00
106		2,4-Dichlorobenzotrifluorid	50.0000	49.9736	0.1	86	0.00
107		2,5-Dichlorobenzotrifluorid	50.0000	46.0025	8.0	85	0.00
108		n-Butylbenzene	50.0000	52.7517	-5.5	88	0.00
109	P	1,2-Dclbenz	50.0000	48.4922	3.0	86	0.00
110	P	1,2-Dibromo-3-chloropropane	50.0000	54.4078	-8.8	83	0.00
111		Trielution Dichlorotoluene	150.0000	150.4151	-0.3	85	0.00
112		1,3,5-Trichlorobenzene	50.0000	49.6866	0.6	87	0.00
113		Coelution Dichlorotoluene	100.0000	103.7361	-3.7	86	0.00
114	P	1,2,4-Tcbenzene	50.0000	52.0613	-4.1	88	0.00
115		Hexachlorobt	50.0000	53.1658	-6.3	92	0.00
116		Naphthalen	50.0000	54.8146	-9.6	85	0.00
117		1,2,3-Tclbenzene	50.0000	52.7397	-5.5	87	0.00
118		2,4,5-Trichlorotoluene	50.0000	53.4578	-6.9	87	0.00
119		2,3,6-Trichlorotoluene	50.0000	51.5995	-3.2	85	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061719\
Data File : E1936.D
Acq On : 17 Jun 2019 10:41 pm
Operator : D.LIPANI
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Jun 18 07:55:41 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.391	168	222985	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.488	114	323849	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	284443	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	169283	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.238	113	107737	50.88	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 101.76%				
46) surr1,1,2-dichloroetha...	5.781	65	144753	51.55	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 103.10%				
64) SURR3,Toluene-d8	8.311	98	438438	51.51	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 103.02%				
69) SURR2,BFB	10.878	95	163375	51.47	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 102.94%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.154	85	200052	61.22	ug/L		98
3) Chloromethane	1.282	50	183970	42.92	ug/L		96
4) Vinyl Chloride	1.355	62	166347	55.43	ug/L		99
5) Bromomethane	1.574	94	118454	59.95	ug/L		98
6) Chloroethane	1.660	64	93633	60.83	ug/L		99
7) Freon 21	1.812	67	224919	58.00	ug/L		98
8) Trichlorofluoromethane	1.855	101	181431	57.95	ug/L		99
9) Diethyl Ether	2.093	59	112828	53.05	ug/L		97
10) Freon 123a	2.099	67	142387	53.74	ug/L		97
11) Freon 123	2.148	83	156151	53.78	ug/L		96
12) Acrolein	2.196	56	138752	284.37	ug/L		97
13) 1,1-Diclethene	2.282	96	106678	54.71	ug/L		94
14) Freon 113	2.288	101	105753	55.49	ug/L		97
15) Acetone	2.330	43	63870	56.30	ug/L		97
16) 2-Propanol	2.465	45	276584	1225.98	ug/L		95
17) Iodomethane	2.416	142	162287	55.51	ug/L		94
18) Carbon Disulfide	2.477	76	321657	53.01	ug/L		98
19) Acetonitrile	2.580	41	129649	279.00	ug/L		99
20) Allyl Chloride	2.617	76	58872	53.60	ug/L	#	89
21) Methyl Acetate	2.641	43	160319	54.19	ug/L		97
22) Methylene Chloride	2.733	84	117716	48.47	ug/L		98
23) TBA	2.867	59	388761	1179.00	ug/L		96
24) Acrylonitrile	2.989	53	345710	269.50	ug/L		99
25) Methyl-t-Butyl Ether	3.038	73	379314	54.62	ug/L		96
26) trans-1,2-Dichloroethene	3.025	96	114913	53.15	ug/L		94
27) 1,1-Diclethane	3.525	63	233646	51.16	ug/L		99
28) Vinyl Acetate	3.617	86	21147	50.97	ug/L	#	92
29) DIPE	3.653	45	456691	50.47	ug/L		99
30) 2-Chloro-1,3-Butadiene	3.647	53	189359	53.48	ug/L		100
31) ETBE	4.184	59	352356	52.14	ug/L		98
32) 2,2-Dichloropropane	4.360	77	149686	56.25	ug/L		95
33) cis-1,2-Dichloroethene	4.367	96	125200	48.90	ug/L		99
34) 2-Butanone	4.415	43	97795	51.40	ug/L		99
35) Propionitrile	4.495	54	140498	261.26	ug/L		98
36) Bromochloromethane	4.763	130	78899	49.22	ug/L		96
37) Methacrylonitrile	4.775	67	68845	50.10	ug/L	#	84
38) Tetrahydrofuran	4.866	42	59822	46.54	ug/L		92
39) Chloroform	4.952	83	202815	49.14	ug/L		98
40) 1,1,1-Trichloroethane	5.244	97	159937	51.02	ug/L		91

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061719\
Data File : E1936.D
Acq On : 17 Jun 2019 10:41 pm
Operator : D.LIPANI
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Jun 18 07:55:41 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Cyclohexane	5.342	41	138462	49.43	ug/L		95
44) Carbontetrachloride	5.531	117	123390	53.13	ug/L		96
45) 1,1-Dichloropropene	5.543	75	161973	50.73	ug/L		97
47) Benzene	5.860	78	482343	48.80	ug/L		99
48) 1,2-Dichloroethane	5.903	62	180290	50.33	ug/L		98
49) Iso-Butyl Alcohol	5.878	43	187358	1110.51	ug/L		97
50) TAME	6.104	73	330680	52.15	ug/L		98
51) n-Heptane	6.354	43	184492	51.91	ug/L		96
52) 1-Butanol	6.854	56	265169	2816.12	ug/L		97
53) Trichloroethene	6.817	130	119978	48.22	ug/L		95
54) Methylcyclohexane	7.055	55	162601	49.67	ug/L		95
55) 1,2-Diclpropane	7.098	63	137079	49.95	ug/L		100
56) Dibromomethane	7.244	93	78578	50.26	ug/L		91
57) 1,4-Dioxane	7.299	88	44956	990.81	ug/L		99
58) Methyl Methacrylate	7.329	69	102311	53.09	ug/L		98
59) Bromodichloromethane	7.470	83	149627	51.02	ug/L		98
60) 2-Nitropropane	7.756	41	59755	92.34	ug/L		100
61) 2-Chloroethylvinyl Ether	7.878	63	72409	50.94	ug/L		97
62) cis-1,3-Dichloropropene	8.012	75	193429	53.12	ug/L		98
63) 4-Methyl-2-pentanone	8.219	43	184349	49.90	ug/L		98
65) Toluene	8.384	91	512119	49.85	ug/L		100
66) trans-1,3-Dichloropropene	8.652	75	161647	55.68	ug/L		97
67) Ethyl Methacrylate	8.799	69	181544	57.38	ug/L		100
68) 1,1,2-Trichloroethane	8.841	97	110770	48.06	ug/L		99
71) Tetrachloroethene	8.982	164	97398	50.40	ug/L		92
72) 2-Hexanone	9.134	43	136367	50.48	ug/L		94
73) 1,3-Dichloropropane	9.012	76	201212	48.94	ug/L		96
74) Dibromochloromethane	9.238	129	104370	49.72	ug/L		95
75) N-Butyl Acetate	9.286	43	247985	55.06	ug/L		96
76) 1,2-Dibromoethane	9.335	107	114815	53.61	ug/L		98
77) 3-Chlorobenzotrifluoride	9.847	180	180744	50.64	ug/L		98
78) Chlorobenzene	9.829	112	313624	49.56	ug/L		97
79) 4-Chlorobenzotrifluoride	9.902	180	157893	48.38	ug/L		95
80) 1,1,1,2-Tetrachloroethane	9.914	131	103220	51.93	ug/L		96
81) Ethylbenzene	9.951	106	173052	51.30	ug/L		99
82) (m+p)Xylene	10.061	106	424688	101.90	ug/L		99
83) o-Xylene	10.420	106	205474	50.79	ug/L		91
84) Styrene	10.432	104	351446	51.79	ug/L		99
85) Bromoform	10.585	173	71106	51.65	ug/L		94
86) 2-Chlorobenzotrifluoride	10.664	180	173414	49.39	ug/L		98
87) Isopropylbenzene	10.756	105	547560	52.46	ug/L		100
88) Cyclohexanone	10.817	55	701938	1193.16	ug/L		100
89) trans-1,4-Dichloro-2-B...	11.060	53	40640	53.15	ug/L		92
91) 1,1,2,2-Tetrachloroethane	11.012	83	176063	49.45	ug/L		98
92) Bromobenzene	10.999	156	146016	48.37	ug/L		97
93) 1,2,3-Trichloropropane	11.042	110	51601	48.64	ug/L	#	88
94) n-Propylbenzene	11.109	91	677767	50.75	ug/L		99
95) 2-Chlorotoluene	11.170	91	394158	48.44	ug/L		97
96) 3-Chlorotoluene	11.225	91	380104	47.66	ug/L		99
97) 4-Chlorotoluene	11.268	91	465059	51.55	ug/L		98
98) 1,3,5-Trimethylbenzene	11.262	105	465366	50.61	ug/L		100
99) tert-Butylbenzene	11.536	119	400830	50.05	ug/L		99
100) 1,2,4-Trimethylbenzene	11.572	105	466373	50.33	ug/L		100
101) 3,4-Dichlorobenzotrifl...	11.633	214	154146	49.21	ug/L		99
102) sec-Butylbenzene	11.719	105	617927	51.75	ug/L		98
103) p-Isopropyltoluene	11.841	119	512660	51.98	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061719\
Data File : E1936.D
Acq On : 17 Jun 2019 10:41 pm
Operator : D.LIPANI
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Jun 18 07:55:41 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration

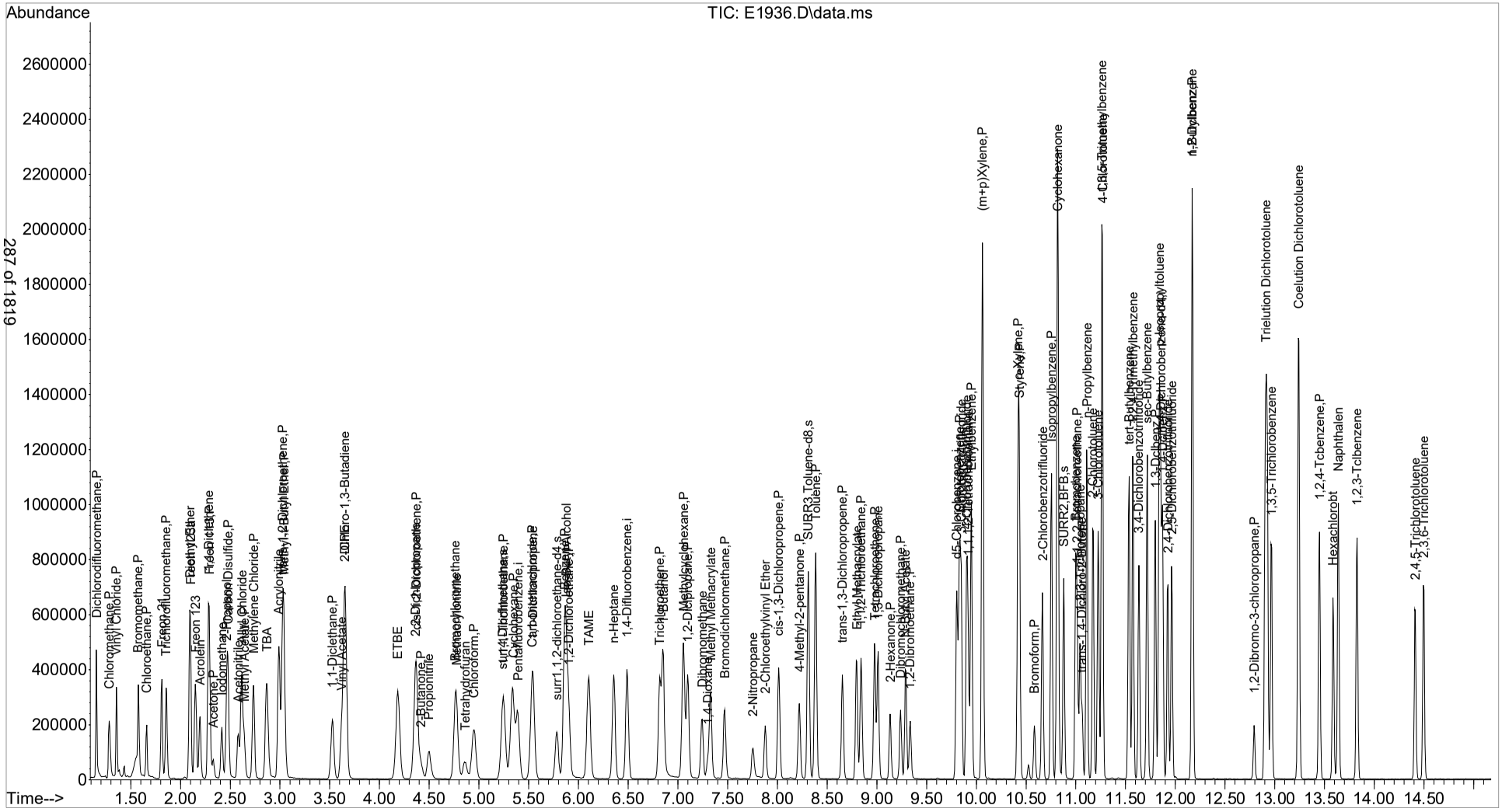
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.798	146	275741	49.12	ug/L	97
105) 1,4-Dclbenz	11.871	146	278187	48.80	ug/L	99
106) 2,4-Dichlorobenzotrifl...	11.926	214	141539	49.97	ug/L	96
107) 2,5-Dichlorobenzotrifl...	11.963	214	155414	46.00	ug/L	97
108) n-Butylbenzene	12.170	91	495997	52.75	ug/L	99
109) 1,2-Dclbenz	12.170	146	275958	48.49	ug/L	99
110) 1,2-Dibromo-3-chloropr...	12.792	157	35923	54.41	ug/L	96
111) Trielution Dichlorotol...	12.914	125	692703	150.42	ug/L	99
112) 1,3,5-Trichlorobenzene	12.969	180	212876	49.69	ug/L	98
113) Coelution Dichlorotoluene	13.243	125	510664	103.74	ug/L	100
114) 1,2,4-Tcbenzene	13.450	180	219566	52.06	ug/L	98
115) Hexachlorobt	13.584	225	99114	53.17	ug/L	96
116) Naphthalen	13.639	128	572024	54.81	ug/L	99
117) 1,2,3-Tclbenzene	13.828	180	211633	52.74	ug/L	98
118) 2,4,5-Trichlorotoluene	14.413	159	126350	53.46	ug/L	97
119) 2,3,6-Trichlorotoluene	14.499	159	129743	51.60	ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061719\
Data File : E1936.D
Acq On : 17 Jun 2019 10:41 pm
Operator : D.LIPANI
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Jun 18 07:55:41 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration



1st DL 06/19/19
2nd [illegible] 06/20/19

1st DL 06/21/19
2nd FJ 06/21/19

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\061819\
Data File : E1964.D
Acq On : 18 Jun 2019 9:37 am
Operator : D.LIPANI
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 18 09:53:17 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)	
1	i	Pentafluorobenzene	50.0000	50.0000	0.0	98	0.00	
2	P	Dichlorodifluoromethane	50.0000	54.2170	-8.4	105	0.00	
3	P	Chloromethane	50.0000	38.2828	23.4#	77	0.00	(1)
4	P	Vinyl Chloride	50.0000	51.1052	-2.2	103	0.00	
5	P	Bromomethane	50.0000	52.0955	-4.2	115	0.00	
6	P	Chloroethane	50.0000	53.3300	-6.7	102	0.00	
7		Freon 21	50.0000	52.1434	-4.3	103	0.00	
8	P	Trichlorofluoromethane	50.0000	51.8857	-3.8	105	0.00	
9		Diethyl Ether	50.0000	47.1614	5.7	104	0.00	
10		Freon 123a	50.0000	48.3041	3.4	104	0.00	
11		Freon 123	50.0000	49.8300	0.3	106	0.00	
12		Acrolein	250.0000	251.6356	-0.7	103	0.00	
13		1,1-Diclethene	50.0000	48.1879	3.6	102	0.00	
14	P	Freon 113	50.0000	48.6167	2.8	107	0.00	
15	P	Acetone	50.0000	45.1674	9.7	90	0.00	
16		2-Propanol	1000.0000	1075.1491	-7.5	109	0.00	
17		Iodomethane	50.0000	49.4945	1.0	97	0.00	
18	P	Carbon Disulfide	50.0000	49.7364	0.5	109	0.00	
19		Acetonitrile	250.0000	289.6544	-15.9	120	0.00	
20		Allyl Chloride	50.0000	55.6175	-11.2	116	0.00	
21	P	Methyl Acetate	50.0000	55.3103	-10.6	123	0.00	
22	P	Methylene Chloride	50.0000	51.6322	-3.3	119	0.00	
23		TBA	1000.0000	1133.2132	-13.3	117	0.00	
24		Acrylonitrile	250.0000	283.6334	-13.5	119	0.00	
25	P	Methyl-t-Butyl Ether	50.0000	55.5400	-11.1	117	0.00	
26	P	trans-1,2-Dichloroethene	50.0000	54.4678	-8.9	120	0.00	
27	P	1,1-Diclethane	50.0000	54.1874	-8.4	106	0.00	
28		Vinyl Acetate	50.0000	51.9627	-3.9	107	0.00	
29		DIPE	50.0000	55.1644	-10.3	104	0.00	
30		2-Chloro-1,3-Butadiene	50.0000	56.2221	-12.4	106	0.00	
31		ETBE	50.0000	56.0718	-12.1	109	0.00	
32		2,2-Dichloropropane	50.0000	54.2986	-8.6	107	0.00	
33	P	cis-1,2-Dichloroethene	50.0000	50.8268	-1.7	101	0.00	
34	P	2-Butanone	50.0000	51.9322	-3.9	100	0.00	
35		Propionitrile	250.0000	273.0647	-9.2	100	0.00	
36		Bromochloromethane	50.0000	49.7013	0.6	99	0.00	
37		Methacrylonitrile	50.0000	49.4324	1.1	99	0.00	
38		Tetrahydrofuran	50.0000	50.5159	-1.0	105	0.00	
39	P	Chloroform	50.0000	51.7994	-3.6	103	0.00	
40	P	1,1,1-Trichloroethane	50.0000	50.9395	-1.9	102	0.00	
41	i	1,4-Difluorobenzene	50.0000	50.0000	0.0	99	0.00	
42	P	Cyclohexane	50.0000	51.3777	-2.8	103	0.00	
43	s	surr4,Dibrflmethane	50.0000	52.2738	-4.5	103	0.00	
44	P	Carbontetrachloride	50.0000	50.6634	-1.3	102	0.00	
45		1,1-Dichloropropene	50.0000	53.0147	-6.0	106	0.00	
46	s	surr1,1,2-dichloroethane-d4	50.0000	52.9993	-6.0	106	0.00	
47	P	Benzene	50.0000	50.7509	-1.5	103	0.00	
48	P	1,2-Dichloroethane	50.0000	52.9511	-5.9	104	0.00	
49		Iso-Butyl Alcohol	1000.0000	1073.3636	-7.3	100	0.00	
50		TAME	50.0000	53.7203	-7.4	107	0.00	
51		n-Heptane	50.0000	55.7125	-11.4	108	0.00	

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\061819\
Data File : E1964.D
Acq On : 18 Jun 2019 9:37 am
Operator : D.LIPANI
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 18 09:53:17 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
52		1-Butanol	2500.0000	2716.3859	-8.7	100	-0.01
53	P	Trichloroethene	50.0000	49.7291	0.5	101	0.00
54	P	Methylcyclohexane	50.0000	52.5593	-5.1	106	0.00
55	P	1,2-Diclpropane	50.0000	51.3718	-2.7	102	0.00
56		Dibromomethane	50.0000	52.4947	-5.0	105	0.00
57		1,4-Dioxane	1000.0000	980.0035	2.0	96	0.00
58		Methyl Methacrylate	50.0000	54.7058	-9.4	101	0.00
59	P	Bromodichloromethane	50.0000	50.7208	-1.4	101	0.00
60		2-Nitropropane	100.0000	87.9075	12.1	90	0.00
61		2-Chloroethylvinyl Ether	50.0000	42.3458	15.3	80	0.00
62	P	cis-1,3-Dichloropropene	50.0000	42.8761	14.2	83	0.00
63	P	4-Methyl-2-pentanone	50.0000	41.6564	16.7	82	0.00
64	s	SURR3,Toluene-d8	50.0000	42.8804	14.2	85	0.00
65	P	Toluene	50.0000	42.7382	14.5	84	0.00
66	P	trans-1,3-Dichloropropene	50.0000	46.8384	6.3	85	0.00
67		Ethyl Methacrylate	50.0000	48.3907	3.2	84	0.00
68	P	1,1,2-Trichloroethane	50.0000	41.6381	16.7	83	0.00
69	s	SURR2,BFB	50.0000	42.7364	14.5	83	0.00
70	i	d5-Chlorobenzene	50.0000	50.0000	0.0	83	0.00
71	P	Tetrachloroethene	50.0000	49.2004	1.6	83	0.00
72	P	2-Hexanone	50.0000	48.5735	2.9	80	0.00
73		1,3-Dichloropropane	50.0000	50.2856	-0.6	84	0.00
74	P	Dibromochloromethane	50.0000	48.3552	3.3	80	0.00
75		N-Butyl Acetate	50.0000	54.2334	-8.5	81	0.00
76	P	1,2-Dibromoethane	50.0000	55.2873	-10.6	86	0.00
77		3-Chlorobenzotrifluoride	50.0000	52.8971	-5.8	88	0.00
78	P	Chlorobenzene	50.0000	51.7208	-3.4	85	0.00
79		4-Chlorobenzotrifluoride	50.0000	50.3677	-0.7	85	0.00
80		1,1,1,2-Tetrachloroethane	50.0000	49.8181	0.4	82	0.00
81	P	Ethylbenzene	50.0000	51.5671	-3.1	84	0.00
82	P	(m+p)Xylene	100.0000	105.4301	-5.4	86	0.00
83	P	o-Xylene	50.0000	52.2406	-4.5	84	0.00
84	P	Styrene	50.0000	53.7406	-7.5	85	0.00
85	P	Bromoform	50.0000	49.4656	1.1	78	0.00
86		2-Chlorobenzotrifluoride	50.0000	51.6791	-3.4	86	0.00
87	P	Isopropylbenzene	50.0000	53.1147	-6.2	84	0.00
88		Cyclohexanone	1000.0000	646.6753	35.3#	49	0.00
89		trans-1,4-Dichloro-2-Butene	50.0000	55.7617	-11.5	85	0.00
90	i	1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	102	0.00
91	P	1,1,2,2-Tetrachloroethane	50.0000	41.2248	17.6	82	0.00
92		Bromobenzene	50.0000	41.4832	17.0	84	0.00
93		1,2,3-Trichloropropane	50.0000	41.1960	17.6	83	0.00
94		n-Propylbenzene	50.0000	44.8603	10.3	87	0.00
95		2-Chlorotoluene	50.0000	42.1399	15.7	86	0.00
96		3-Chlorotoluene	50.0000	42.0376	15.9	86	0.00
97		4-Chlorotoluene	50.0000	44.7948	10.4	87	0.00
98		1,3,5-Trimethylbenzene	50.0000	44.0186	12.0	86	0.00
99		tert-Butylbenzene	50.0000	43.8537	12.3	86	0.00
100		1,2,4-Trimethylbenzene	50.0000	44.9960	10.0	87	0.00
101		3,4-Dichlorobenzotrifluorid	50.0000	46.5583	6.9	94	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\061819\
Data File : E1964.D
Acq On : 18 Jun 2019 9:37 am
Operator : D.LIPANI
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 18 09:53:17 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
102		sec-Butylbenzene	50.0000	54.3219	-8.6	106	0.00
103		p-Isopropyltoluene	50.0000	54.3701	-8.7	105	0.00
104	P	1,3-Dclbenz	50.0000	50.6299	-1.3	103	0.00
105	P	1,4-Dclbenz	50.0000	51.2876	-2.6	104	0.00
106		2,4-Dichlorobenzotrifluorid	50.0000	52.0035	-4.0	104	0.00
107		2,5-Dichlorobenzotrifluorid	50.0000	47.6225	4.8	102	0.00
108		n-Butylbenzene	50.0000	55.9744	-11.9	109	0.00
109	P	1,2-Dclbenz	50.0000	50.3562	-0.7	103	0.00
110	P	1,2-Dibromo-3-chloropropane	50.0000	54.9152	-9.8	97	0.00
111		Trielution Dichlorotoluene	150.0000	159.3139	-6.2	104	0.00
112		1,3,5-Trichlorobenzene	50.0000	52.0760	-4.2	106	0.00
113		Coelution Dichlorotoluene	100.0000	108.4627	-8.5	104	0.00
114	P	1,2,4-Tcbenzene	50.0000	52.1974	-4.4	102	0.00
115		Hexachlorobt	50.0000	52.1420	-4.3	104	0.00
116		Naphthalen	50.0000	54.8749	-9.7	99	0.00
117		1,2,3-Tclbenzene	50.0000	53.1274	-6.3	102	0.00
118		2,4,5-Trichlorotoluene	50.0000	53.2843	-6.6	100	0.00
119		2,3,6-Trichlorotoluene	50.0000	52.3058	-4.6	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061819\
Data File : E1964.D
Acq On : 18 Jun 2019 9:37 am
Operator : D.LIPANI
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 18 09:53:17 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.391	168	257928	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.488	114	382227	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.805	117	282032	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	196338	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.238	113	130649	52.27	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 104.54%			
46) surr1,1,2-dichloroetha...	5.781	65	175638	53.00	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 106.00%			
64) SURR3,Toluene-d8	8.311	98	430765	42.88	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 85.76%#			
69) SURR2,BFB	10.877	95	160100	42.74	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 85.48%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.154	85	204915	54.22	ug/L	99
3) Chloromethane	1.282	50	189795	38.28	ug/L	97
4) Vinyl Chloride	1.355	62	177412	51.11	ug/L	99
5) Bromomethane	1.574	94	116937	52.10	ug/L	97
6) Chloroethane	1.660	64	94568	53.33	ug/L	98
7) Freon 21	1.812	67	233909	52.14	ug/L	96
8) Trichlorofluoromethane	1.855	101	187910	51.89	ug/L	96
9) Diethyl Ether	2.093	59	116023	47.16	ug/L	97
10) Freon 123a	2.099	67	148038	48.30	ug/L	98
11) Freon 123	2.147	83	167354	49.83	ug/L	95
12) Acrolein	2.196	56	142018	251.64	ug/L	97
13) 1,1-Diclethene	2.282	96	108688	48.19	ug/L	97
14) Freon 113	2.288	101	107180	48.62	ug/L	97
15) Acetone	2.330	43	59267	45.17	ug/L	93
16) 2-Propanol	2.464	45	272682	1075.15	ug/L	96
17) Iodomethane	2.416	142	166100	49.49	ug/L	99
18) Carbon Disulfide	2.477	76	349058	49.74	ug/L	98
19) Acetonitrile	2.580	41	155695	289.65	ug/L	97
20) Allyl Chloride	2.617	76	70656	55.62	ug/L	93
21) Methyl Acetate	2.641	43	189291	55.31	ug/L	99
22) Methylene Chloride	2.733	84	145051	51.63	ug/L	98
23) TBA	2.867	59	428737	1133.21	ug/L	100
24) Acrylonitrile	2.989	53	420861	283.63	ug/L	99
25) Methyl-t-Butyl Ether	3.038	73	446162	55.54	ug/L	99
26) trans-1,2-Dichloroethene	3.025	96	136226	54.47	ug/L	96
27) 1,1-Diclethane	3.525	63	286259	54.19	ug/L	99
28) Vinyl Acetate	3.623	86	24936	51.96	ug/L #	95
29) DIPE	3.653	45	577422	55.16	ug/L	97
30) 2-Chloro-1,3-Butadiene	3.653	53	230249	56.22	ug/L	99
31) ETBE	4.184	59	438275	56.07	ug/L	98
32) 2,2-Dichloropropane	4.367	77	167133	54.30	ug/L	98
33) cis-1,2-Dichloroethene	4.373	96	150536	50.83	ug/L	97
34) 2-Butanone	4.409	43	114288	51.93	ug/L	95
35) Propionitrile	4.495	54	169859	273.06	ug/L	99
36) Bromochloromethane	4.769	130	92149	49.70	ug/L	100
37) Methacrylonitrile	4.769	67	78573	49.43	ug/L	99
38) Tetrahydrofuran	4.860	42	75101	50.52	ug/L	97
39) Chloroform	4.946	83	247299	51.80	ug/L	98
40) 1,1,1-Trichloroethane	5.244	97	184702	50.94	ug/L	94

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061819\
Data File : E1964.D
Acq On : 18 Jun 2019 9:37 am
Operator : D.LIPANI
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 18 09:53:17 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Cyclohexane	5.336	41	169864	51.38	ug/L	96
44) Carbontetrachloride	5.531	117	138873	50.66	ug/L	96
45) 1,1-Dichloropropene	5.543	75	199764	53.01	ug/L	98
47) Benzene	5.860	78	592079	50.75	ug/L	99
48) 1,2-Dichloroethane	5.903	62	223889	52.95	ug/L	96
49) Iso-Butyl Alcohol	5.885	43	212641	1073.36	ug/L	99
50) TAME	6.104	73	402018	53.72	ug/L	98
51) n-Heptane	6.354	43	233687	55.71	ug/L	97
52) 1-Butanol	6.848	56	300087	2716.39	ug/L	99
53) Trichloroethene	6.817	130	146048	49.73	ug/L	97
54) Methylcyclohexane	7.055	55	203064	52.56	ug/L	97
55) 1,2-Diclpropane	7.098	63	166398	51.37	ug/L	100
56) Dibromomethane	7.238	93	96874	52.49	ug/L	95
57) 1,4-Dioxane	7.299	88	52481	980.00	ug/L	97
58) Methyl Methacrylate	7.329	69	124424	54.71	ug/L	95
59) Bromodichloromethane	7.470	83	175559	50.72	ug/L	98
60) 2-Nitropropane	7.756	41	67144	87.91	ug/L	85
61) 2-Chloroethylvinyl Ether	7.878	63	71050	42.35	ug/L	98
62) cis-1,3-Dichloropropene	8.012	75	184274	42.88	ug/L	99
63) 4-Methyl-2-pentanone	8.219	43	181652	41.66	ug/L	98
65) Toluene	8.384	91	518223	42.74	ug/L	100
66) trans-1,3-Dichloropropene	8.652	75	156876	46.84	ug/L	98
67) Ethyl Methacrylate	8.799	69	176523	48.39	ug/L	98
68) 1,1,2-Trichloroethane	8.841	97	113275	41.64	ug/L	99
71) Tetrachloroethene	8.975	164	94279	49.20	ug/L	98
72) 2-Hexanone	9.134	43	130109	48.57	ug/L	96
73) 1,3-Dichloropropane	9.012	76	204974	50.29	ug/L	98
74) Dibromochloromethane	9.238	129	100640	48.36	ug/L	95
75) N-Butyl Acetate	9.292	43	242183	54.23	ug/L	98
76) 1,2-Dibromoethane	9.335	107	117406	55.29	ug/L	96
77) 3-Chlorobenzotrifluoride	9.847	180	187216	52.90	ug/L	97
78) Chlorobenzene	9.829	112	324525	51.72	ug/L	98
79) 4-Chlorobenzotrifluoride	9.902	180	162981	50.37	ug/L	98
80) 1,1,1,2-Tetrachloroethane	9.914	131	98176	49.82	ug/L	97
81) Ethylbenzene	9.951	106	172473	51.57	ug/L	100
82) (m+p)Xylene	10.061	106	435656	105.43	ug/L	99
83) o-Xylene	10.420	106	209552	52.24	ug/L	100
84) Styrene	10.432	104	361561	53.74	ug/L	99
85) Bromoform	10.585	173	67518	49.47	ug/L	98
86) 2-Chlorobenzotrifluoride	10.664	180	179926	51.68	ug/L	98
87) Isopropylbenzene	10.756	105	549677	53.11	ug/L	98
88) Cyclohexanone	10.817	55	377217	646.68	ug/L	100
89) trans-1,4-Dichloro-2-B...	11.060	53	42520	55.76	ug/L	97
91) 1,1,2,2-Tetrachloroethane	11.012	83	170229	41.22	ug/L	99
92) Bromobenzene	10.999	156	145247	41.48	ug/L	95
93) 1,2,3-Trichloropropane	11.042	110	50690	41.20	ug/L	94
94) n-Propylbenzene	11.109	91	694869	44.86	ug/L	100
95) 2-Chlorotoluene	11.176	91	397700	42.14	ug/L	99
96) 3-Chlorotoluene	11.225	91	388874	42.04	ug/L	97
97) 4-Chlorotoluene	11.268	91	468745	44.79	ug/L	99
98) 1,3,5-Trimethylbenzene	11.262	105	469416	44.02	ug/L	99
99) tert-Butylbenzene	11.536	119	407361	43.85	ug/L	99
100) 1,2,4-Trimethylbenzene	11.572	105	483552	45.00	ug/L	99
101) 3,4-Dichlorobenzotrifl...	11.633	214	169155	46.56	ug/L	97
102) sec-Butylbenzene	11.719	105	752240	54.32	ug/L	98
103) p-Isopropyltoluene	11.841	119	621904	54.37	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061819\
Data File : E1964.D
Acq On : 18 Jun 2019 9:37 am
Operator : D.LIPANI
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 18 09:53:17 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration

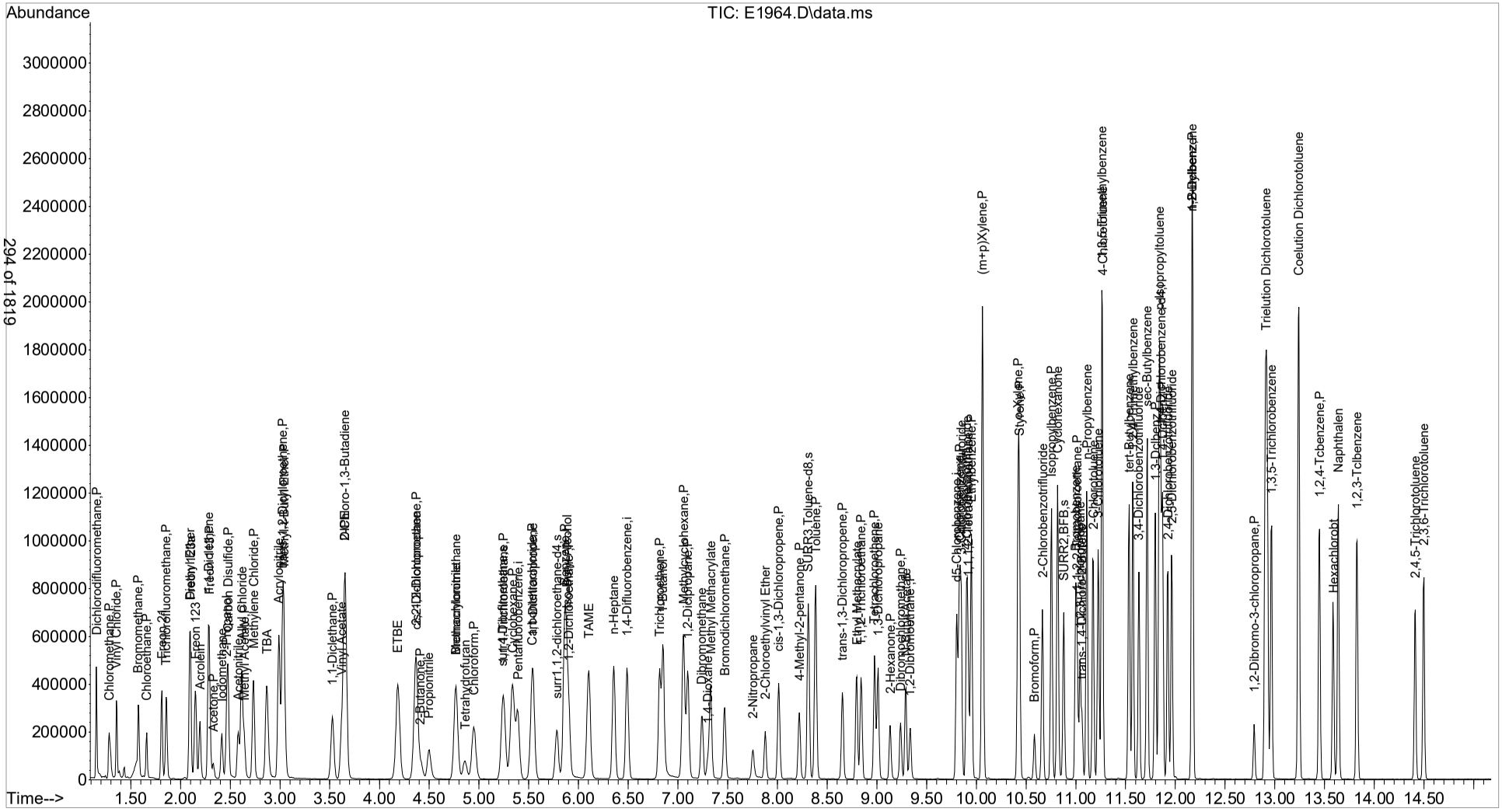
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.798	146	329626	50.63	ug/L	99
105) 1,4-Dclbenz	11.871	146	339068	51.29	ug/L	99
106) 2,4-Dichlorobenzotrifl...	11.926	214	170828	52.00	ug/L	99
107) 2,5-Dichlorobenzotrifl...	11.963	214	186600	47.62	ug/L	97
108) n-Butylbenzene	12.170	91	610412	55.97	ug/L	99
109) 1,2-Dclbenz	12.170	146	332365	50.36	ug/L	100
110) 1,2-Dibromo-3-chloropr...	12.792	157	42108	54.92	ug/L	98
111) Trielution Dichlorotol...	12.908	125	850943	159.31	ug/L	97
112) 1,3,5-Trichlorobenzene	12.969	180	258771	52.08	ug/L	99
113) Coelution Dichlorotoluene	13.243	125	619265	108.46	ug/L	100
114) 1,2,4-Tcbenzene	13.450	180	255323	52.20	ug/L	99
115) Hexachlorobt	13.590	225	112741	52.14	ug/L	96
116) Naphthalen	13.639	128	664176	54.87	ug/L	98
117) 1,2,3-Tclbenzene	13.828	180	247261	53.13	ug/L	98
118) 2,4,5-Trichlorotoluene	14.413	159	146032	53.28	ug/L	98
119) 2,3,6-Trichlorotoluene	14.499	159	152655	52.31	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061819\
Data File : E1964.D
Acq On : 18 Jun 2019 9:37 am
Operator : D.LIPANI
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 18 09:53:17 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration



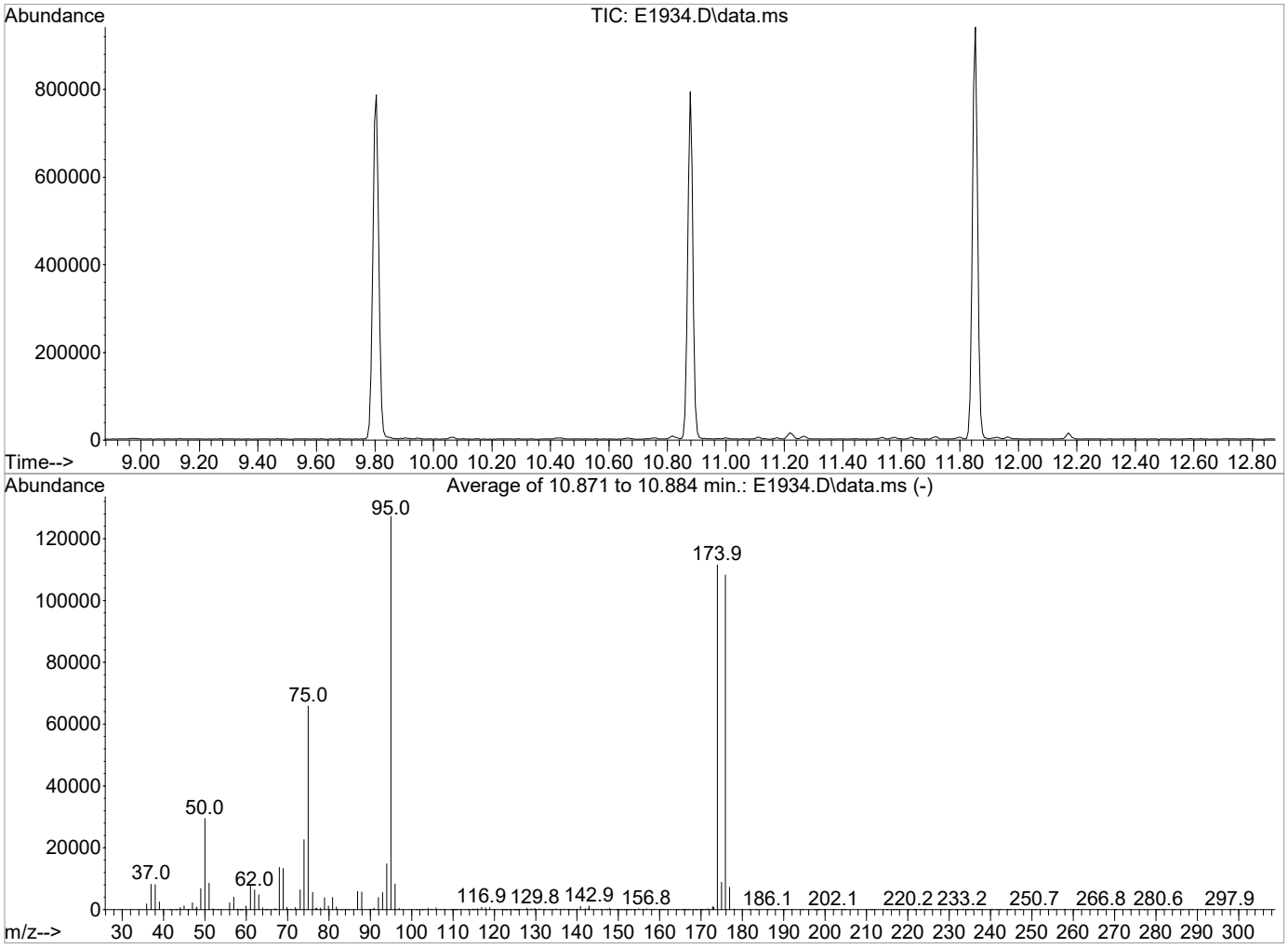
1st DL 06/21/19
2nd FJ 06/21/19

1st DL 06/19/19
2nd FJ 06/20/19

Data Path : I:\ACQUDATA\msvoa10\data\061719\
Data File : E1934.D
Acq On : 17 Jun 2019 9:47 pm
Operator : D.LIPANI
Sample : TUNE CHECK Inst : MSVOA10
Misc :
ALS Vial : 34 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Title : MS#10 - 8260B WATERS 5.0mL Purge
Last Update : Wed May 01 13:32:41 2019



AutoFind: Scans 1605, 1606, 1607; Background Corrected with Scan 1597

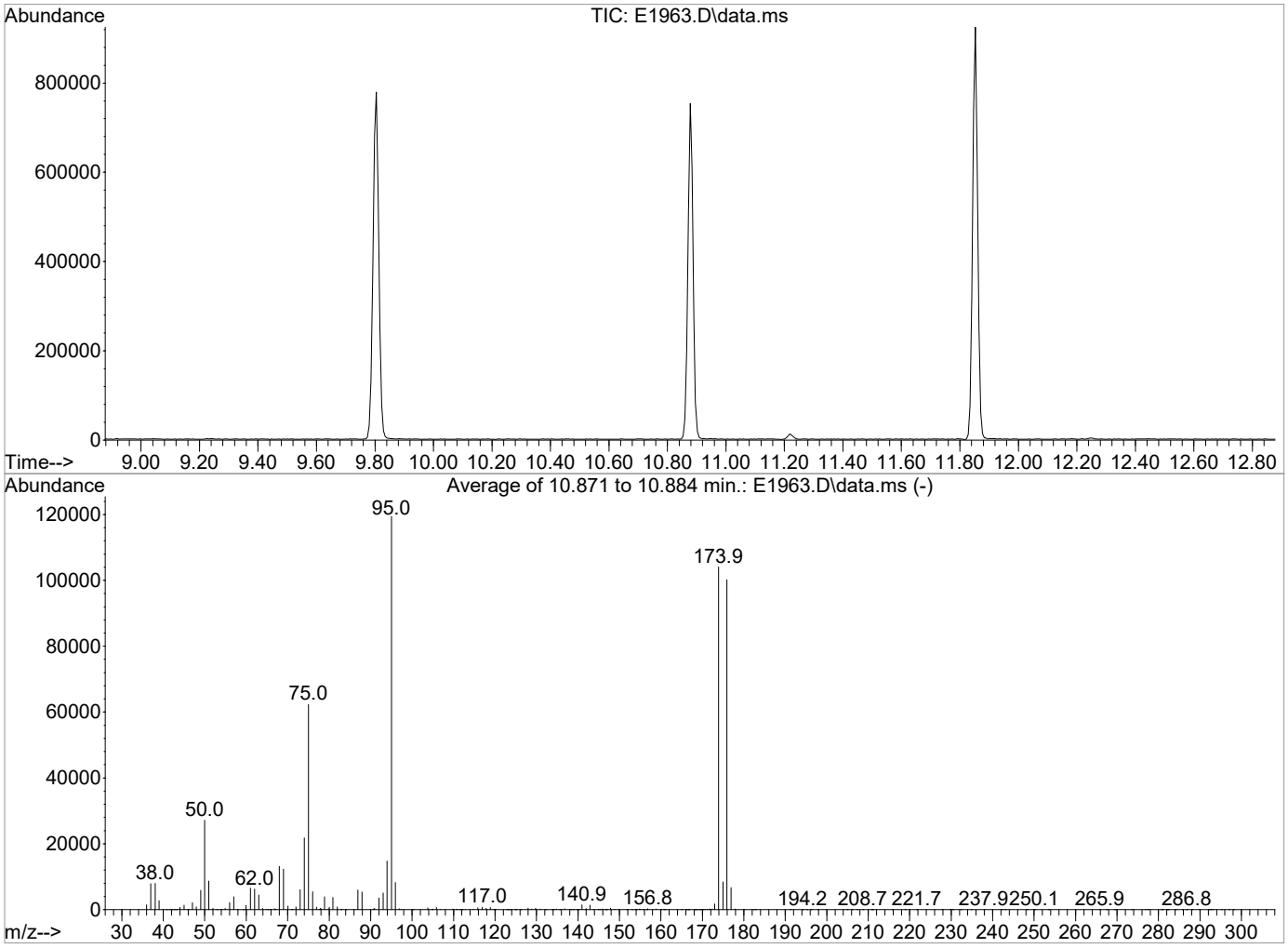
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.2	29451	PASS
75	95	30	60	51.8	65912	PASS
95	95	100	100	100.0	127200	PASS
96	95	5	9	6.5	8319	PASS
173	174	0.00	2	0.9	985	PASS
174	95	50	120	87.6	111477	PASS
175	174	5	9	7.9	8830	PASS
176	174	95	101	97.1	108278	PASS
177	176	5	9	6.7	7202	PASS

1st DL 06/21/19
2nd FW 06/21/19

Data Path : I:\ACQUDATA\msvoa10\data\061819\
Data File : E1963.D
Acq On : 18 Jun 2019 9:09 am
Operator : D.LIPANI
Sample : TUNE CHECK Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Title : MS#10 - 8260B WATERS 5.0mL Purge
Last Update : Mon Jun 17 11:49:42 2019



AutoFind: Scans 1605, 1606, 1607; Background Corrected with Scan 1598

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.7	27136	PASS
75	95	30	60	52.1	62256	PASS
95	95	100	100	100.0	119437	PASS
96	95	5	9	6.9	8233	PASS
173	174	0.00	2	1.6	1692	PASS
174	95	50	120	87.1	104037	PASS
175	174	5	9	8.1	8413	PASS
176	174	95	101	96.3	100171	PASS
177	176	5	9	6.7	6683	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1900.D
Acq On : 16 Jun 2019 5:26 pm
Operator : D.LIPANI
Sample : ICV 50 Inst : MSVOA10
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 17 13:23:44 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.391	168	239212	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.488	114	347329	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	305247	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	180744	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.244	113	115997	51.07	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 102.14%				
46) surr1,1,2-dichloroetha...	5.781	65	150833	50.09	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 100.18%				
64) SURR3,Toluene-d8	8.311	98	462971	50.72	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.44%				
69) SURR2,BFB	10.877	95	171849	50.48	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 100.96%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.154	85	176106	50.24	ug/L		99
3) Chloromethane	1.282	50	159562	34.70	ug/L		100
4) Vinyl Chloride	1.355	62	147965	45.96	ug/L		97
5) Bromomethane	1.574	94	110436	52.95	ug/L		96
6) Chloroethane	1.660	64	70984	43.38	ug/L		96
7) Freon 21	1.812	67	189525	45.55	ug/L		97
8) Trichlorofluoromethane	1.855	101	153928	45.83	ug/L		98
9) Diethyl Ether	2.093	59	99277	43.51	ug/L		99
10) Freon 123a	2.099	67	123567	43.47	ug/L		93
11) Freon 123	2.147	83	147778	47.44	ug/L		97
12) Acrolein	2.196	56	40138	76.68	ug/L		97
13) 1,1-Diclethene	2.282	96	91789	43.88	ug/L		97
14) Freon 113	2.288	101	93131	45.55	ug/L		100
15) Acetone	2.330	43	51241	42.11	ug/L		95
16) 2-Propanol	2.464	45	222667	966.73	ug/L		98
17) Iodomethane	2.416	142	122439	39.89	ug/L		99
18) Carbon Disulfide	2.477	76	233888	35.93	ug/L		98
19) Acetonitrile	2.580	41	109551	219.75	ug/L		98
20) Allyl Chloride	2.617	76	52232	44.33	ug/L	#	87
21) Methyl Acetate	2.641	43	132137	41.63	ug/L		98
22) Methylene Chloride	2.733	84	103108	39.57	ug/L		99
23) TBA	2.867	59	315554	932.52	ug/L		97
24) Acrylonitrile	2.989	53	303889	220.83	ug/L		100
25) Methyl-t-Butyl Ether	3.038	73	340771	45.74	ug/L		99
26) trans-1,2-Dichloroethene	3.025	96	98080	42.28	ug/L		100
27) 1,1-Diclethane	3.525	63	235963	48.16	ug/L		98
28) Vinyl Acetate	3.623	86	20357	45.74	ug/L		99
29) DIPE	3.653	45	463112	47.71	ug/L		100
30) 2-Chloro-1,3-Butadiene	3.647	53	193301	50.89	ug/L		97
31) ETBE	4.190	59	333287	45.98	ug/L		99
32) 2,2-Dichloropropane	4.367	77	136980	47.98	ug/L		99
33) cis-1,2-Dichloroethene	4.373	96	126402	46.02	ug/L		100
34) 2-Butanone	4.415	43	99173	48.59	ug/L		96
35) Propionitrile	4.501	54	143078	248.01	ug/L		97
36) Bromochloromethane	4.763	130	79176	46.05	ug/L		95
37) Methacrylonitrile	4.769	67	67881	46.05	ug/L		87
38) Tetrahydrofuran	4.860	42	58182	42.20	ug/L		98
39) Chloroform	4.946	83	208289	47.04	ug/L		96
40) 1,1,1-Trichloroethane	5.250	97	162200	48.23	ug/L		93

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1900.D
Acq On : 16 Jun 2019 5:26 pm
Operator : D.LIPANI
Sample : ICV 50 Inst : MSVOA10
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 17 13:23:44 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Cyclohexane	5.336	41	138990	46.26	ug/L	88
44) Carbontetrachloride	5.537	117	119096	47.81	ug/L	98
45) 1,1-Dichloropropene	5.543	75	164342	48.00	ug/L	97
47) Benzene	5.860	78	497710	46.95	ug/L	99
48) 1,2-Dichloroethane	5.903	62	183085	47.65	ug/L	98
49) Iso-Butyl Alcohol	5.885	43	182373	1020.55	ug/L	99
50) TAME	6.104	73	331808	48.79	ug/L	100
51) n-Heptane	6.354	43	178791	46.91	ug/L	94
52) 1-Butanol	6.848	56	233072	2371.20	ug/L	97
53) Trichloroethene	6.817	130	128203	48.04	ug/L	97
54) Methylcyclohexane	7.055	55	166311	47.37	ug/L	99
55) 1,2-Diclpropane	7.098	63	136450	46.36	ug/L	98
56) Dibromomethane	7.238	93	79369	47.33	ug/L	95
57) 1,4-Dioxane	7.299	88	46879	963.35	ug/L	95
58) Methyl Methacrylate	7.329	69	107184	51.86	ug/L	98
59) Bromodichloromethane	7.470	83	147756	46.98	ug/L	99
60) 2-Nitropropane	7.756	41	60241	86.79	ug/L	96
61) 2-Chloroethylvinyl Ether	7.878	63	73645	48.30	ug/L	96
62) cis-1,3-Dichloropropene	8.012	75	189937	48.63	ug/L	99
63) 4-Methyl-2-pentanone	8.219	43	182694	46.10	ug/L	98
65) Toluene	8.384	91	512585	46.52	ug/L	97
66) trans-1,3-Dichloropropene	8.652	75	163834	52.98	ug/L	99
67) Ethyl Methacrylate	8.799	69	185505	55.01	ug/L	95
68) 1,1,2-Trichloroethane	8.841	97	115093	46.56	ug/L	99
71) Tetrachloroethene	8.975	164	97952	47.23	ug/L	95
72) 2-Hexanone	9.134	43	134099	46.26	ug/L	97
73) 1,3-Dichloropropane	9.012	76	204448	46.34	ug/L	100
74) Dibromochloromethane	9.238	129	105162	46.69	ug/L	94
75) N-Butyl Acetate	9.286	43	265760	54.99	ug/L	100
76) 1,2-Dibromoethane	9.335	107	116953	50.89	ug/L	100
77) 3-Chlorobenzotrifluoride	9.847	180	174759	45.62	ug/L	99
78) Chlorobenzene	9.829	112	324174	47.74	ug/L	98
79) 4-Chlorobenzotrifluoride	9.902	180	156131	44.58	ug/L	98
80) 1,1,1,2-Tetrachloroethane	9.914	131	106446	49.91	ug/L	95
81) Ethylbenzene	9.951	106	171251	47.31	ug/L	96
82) (m+p)Xylene	10.061	106	429065	95.94	ug/L	97
83) o-Xylene	10.420	106	210134	48.40	ug/L	97
84) Styrene	10.432	104	361322	49.62	ug/L	99
85) Bromoform	10.585	173	69578	47.10	ug/L	97
86) 2-Chlorobenzotrifluoride	10.664	180	174361	46.27	ug/L	98
87) Isopropylbenzene	10.756	105	550858	49.18	ug/L	99
88) Cyclohexanone	10.817	55	664498	1052.53	ug/L	99
89) trans-1,4-Dichloro-2-B...	11.060	53	43833	53.39	ug/L	97
91) 1,1,2,2-Tetrachloroethane	11.012	83	170027	44.73	ug/L	98
92) Bromobenzene	10.999	156	148042	45.93	ug/L	95
93) 1,2,3-Trichloropropane	11.042	110	50304	44.41	ug/L	93
94) n-Propylbenzene	11.109	91	671575	47.10	ug/L	99
95) 2-Chlorotoluene	11.170	91	387341	44.58	ug/L	98
96) 3-Chlorotoluene	11.225	91	376491	44.21	ug/L	97
97) 4-Chlorotoluene	11.268	91	450016	46.72	ug/L	99
98) 1,3,5-Trimethylbenzene	11.262	105	465285	47.40	ug/L	98
99) tert-Butylbenzene	11.536	119	397663	46.50	ug/L	99
100) 1,2,4-Trimethylbenzene	11.572	105	465863	47.09	ug/L	100
101) 3,4-Dichlorobenzotrifl...	11.633	214	144645	43.25	ug/L	98
102) sec-Butylbenzene	11.719	105	594072	46.60	ug/L	99
103) p-Isopropyltoluene	11.841	119	505148	47.97	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1900.D
Acq On : 16 Jun 2019 5:26 pm
Operator : D.LIPANI
Sample : ICV 50 Inst : MSVOA10
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 17 13:23:44 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration

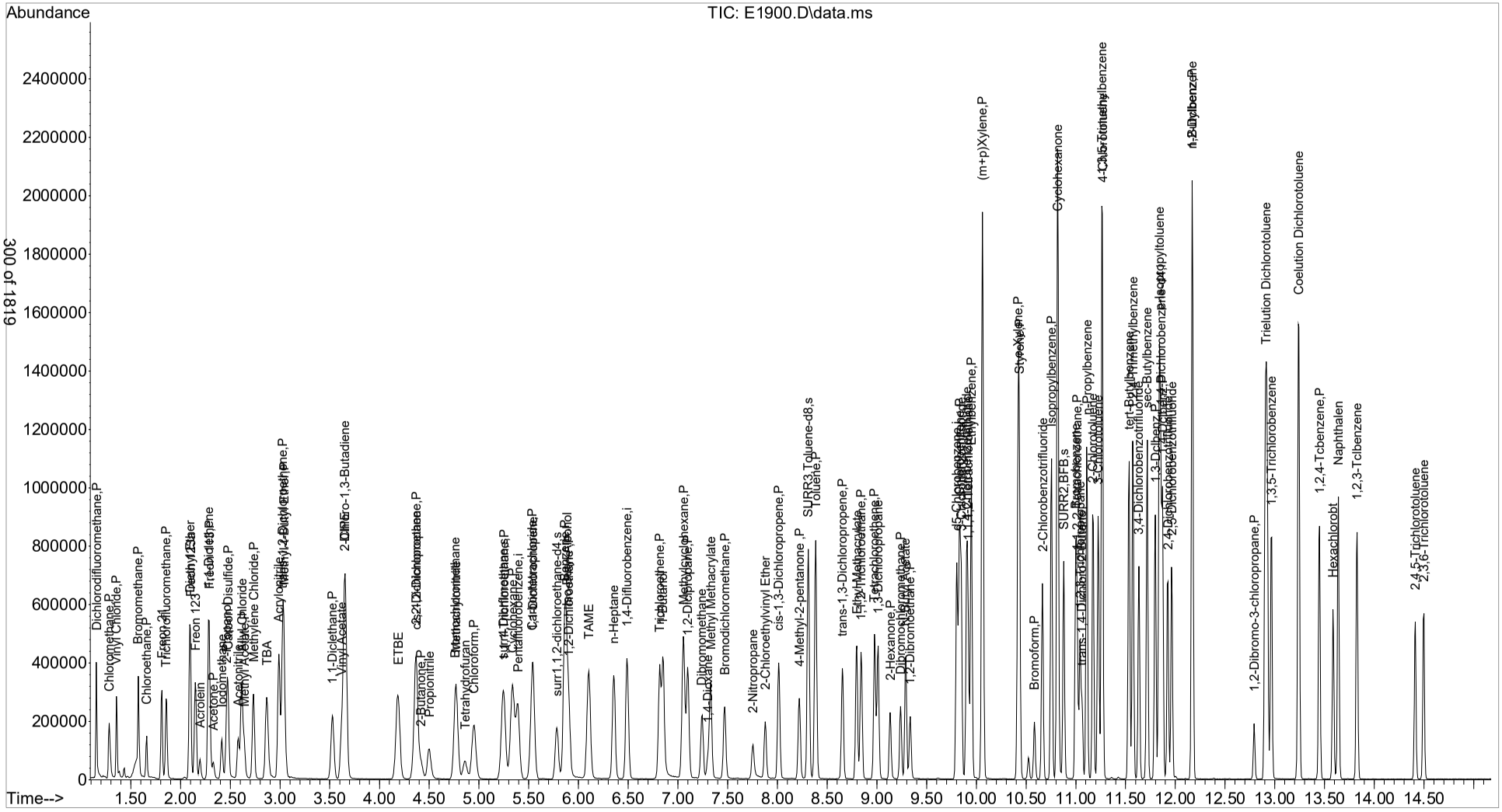
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.798	146	269265	44.93	ug/L	98
105) 1,4-Dclbenz	11.871	146	279746	45.97	ug/L	98
106) 2,4-Dichlorobenzotrifl...	11.926	214	135920	44.95	ug/L	99
107) 2,5-Dichlorobenzotrifl...	11.963	214	150982	41.86	ug/L	92
108) n-Butylbenzene	12.170	91	486458	48.46	ug/L	97
109) 1,2-Dclbenz	12.170	146	269933	44.43	ug/L	99
110) 1,2-Dibromo-3-chloropr...	12.792	157	35073	50.29	ug/L	98
111) Trielution Dichlorotol...	12.908	125	681060	138.51	ug/L	96
112) 1,3,5-Trichlorobenzene	12.969	180	206848	45.22	ug/L	99
113) Coelution Dichlorotoluene	13.243	125	499826	95.10	ug/L	99
114) 1,2,4-Tcbenzene	13.450	180	211941	47.07	ug/L	99
115) Hexachlorobt	13.584	225	86099	43.26	ug/L	98
116) Naphthalen	13.639	128	549440	49.31	ug/L	100
117) 1,2,3-Tclbenzene	13.828	180	207117	48.34	ug/L	95
118) 2,4,5-Trichlorotoluene	14.413	159	109157	43.86	ug/L	98
119) 2,3,6-Trichlorotoluene	14.499	159	104478	39.47	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1900.D
Acq On : 16 Jun 2019 5:26 pm
Operator : D.LIPANI
Sample : ICV 50 Inst : MSVOA10
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 17 13:23:44 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration



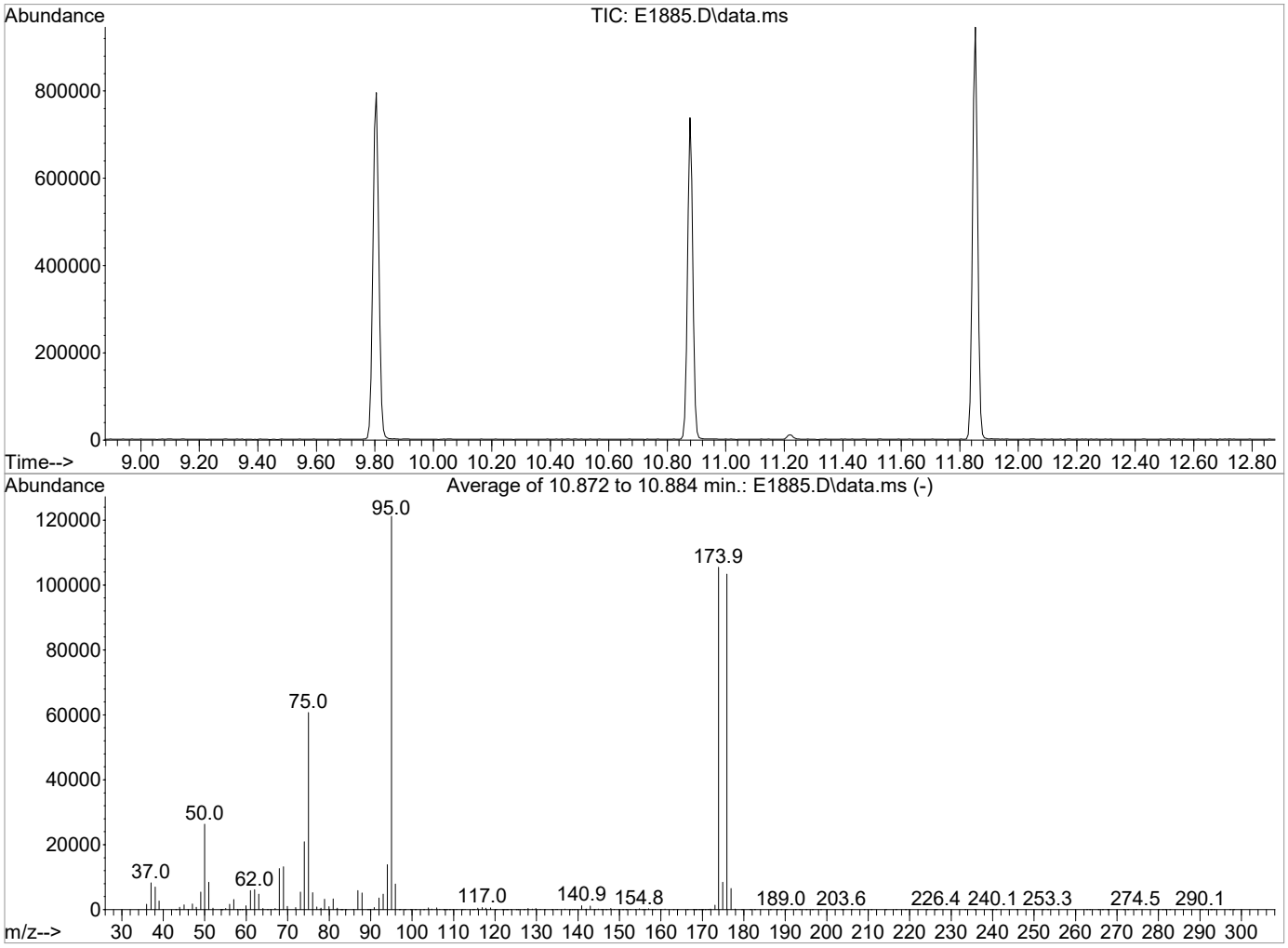
1st 06/17/19
2nd 06/18/19

1st DL 06/17/19
2nd FJ 06/18/19

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1885.D
Acq On : 16 Jun 2019 11:23 am
Operator : D.LIPANI
Sample : TUNE CHECK Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Title : MS#10 - 8260B WATERS 5.0mL Purge
Last Update : Wed May 01 13:32:41 2019



AutoFind: Scans 1605, 1606, 1607; Background Corrected with Scan 1596

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.8	26365	PASS
75	95	30	60	50.1	60732	PASS
95	95	100	100	100.0	121163	PASS
96	95	5	9	6.5	7891	PASS
173	174	0.00	2	1.3	1383	PASS
174	95	50	120	87.0	105459	PASS
175	174	5	9	8.0	8406	PASS
176	174	95	101	98.0	103357	PASS
177	176	5	9	6.3	6523	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1886.D
Acq On : 16 Jun 2019 11:47 am
Operator : D.LIPANI
Sample : INST BLK Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 17 14:59:22 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration

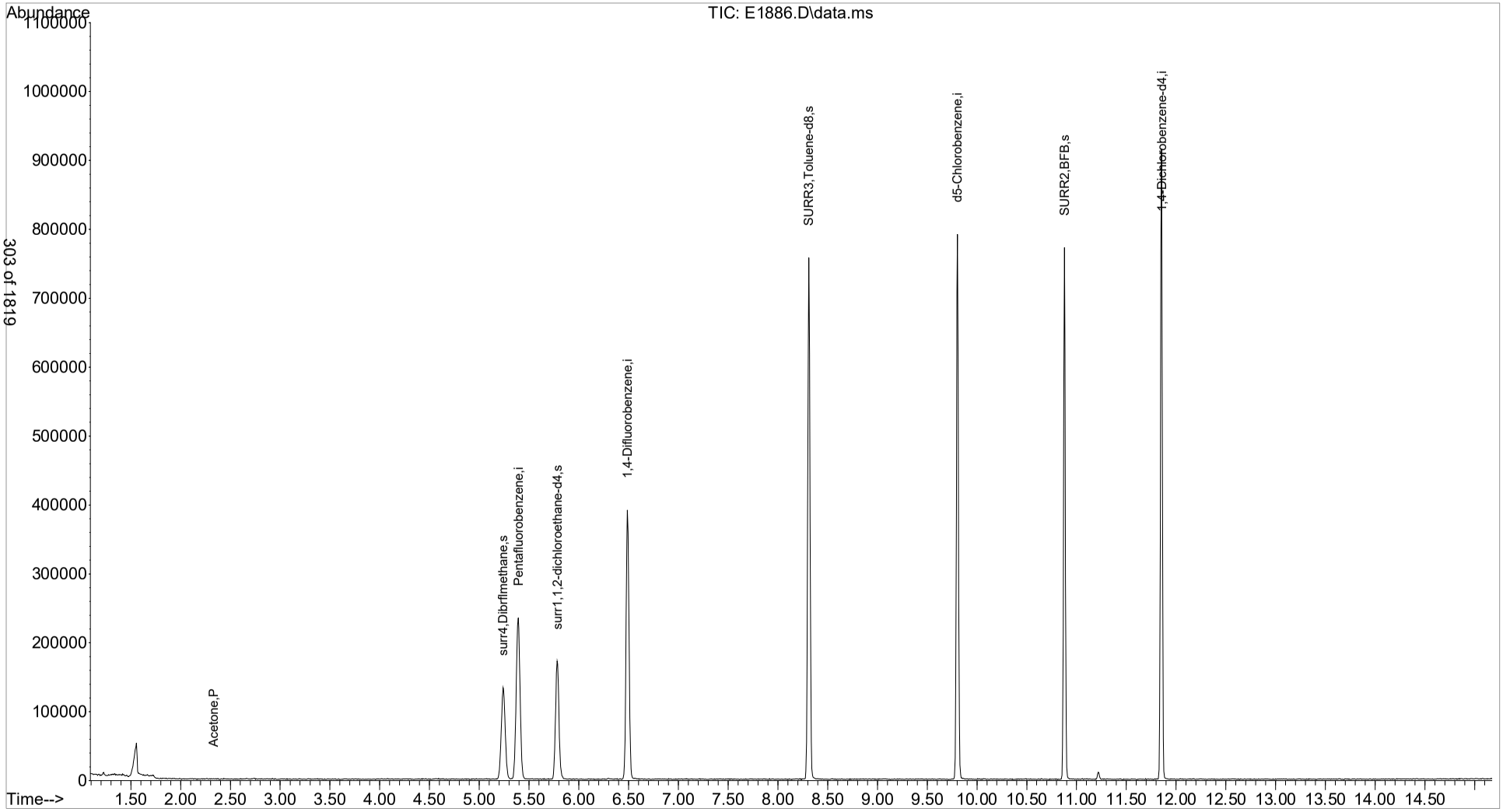
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.391	168	232096	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.488	114	334364	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.805	117	345666	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	180074	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.238	113	110804	50.68	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 101.36%			
46) surr1,1,2-dichloroetha...	5.781	65	146176	50.42	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 100.84%			
64) SURR3,Toluene-d8	8.311	98	444283	50.56	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.12%			
69) SURR2,BFB	10.878	95	182345	55.64	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 111.28%			
Target Compounds						Qvalue
5) Bromomethane	1.581	94	310	Below Cal	#	27
15) Acetone	2.330	43	393	0.33	ug/L #	55

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

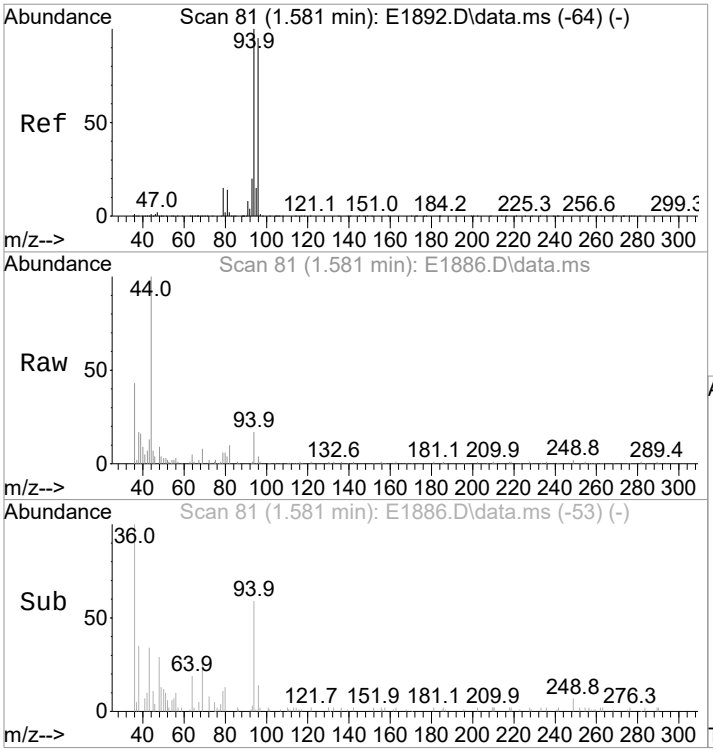
Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1886.D
Acq On : 16 Jun 2019 11:47 am
Operator : D.LIPANI
Sample : INST BLK Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 17 14:59:22 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration



303 of 1819

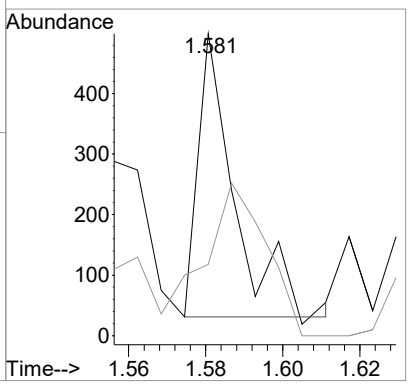
1st DL 06/17/19
2nd FJ 06/18/19

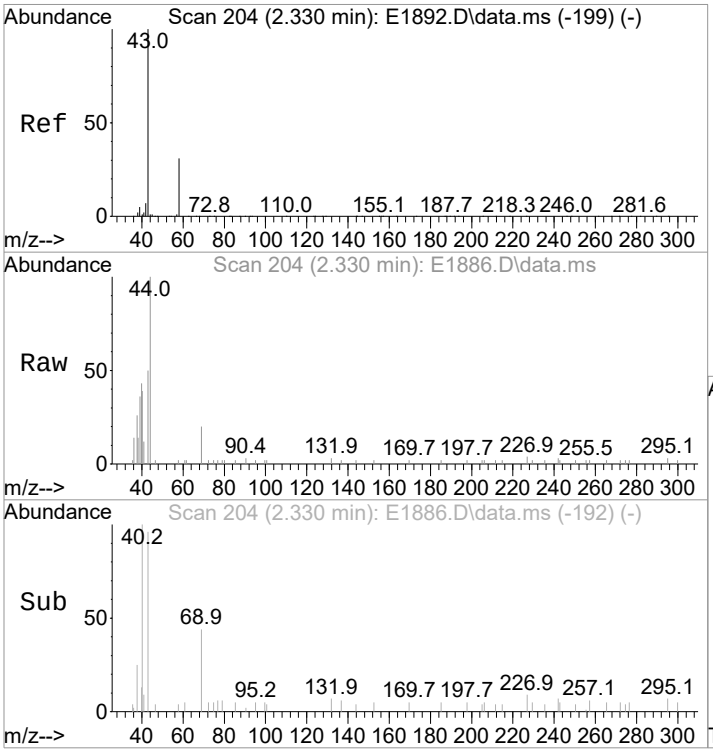


#5
Bromomethane
Concen: Below Cal
RT: 1.581 min Scan# 81
Delta R.T. 0.007 min
Lab File: E1886.D
Acq: 16 Jun 2019 11:47 am

Tgt Ion: 94 Resp: 310

Ion	Ratio	Lower	Upper
94	100		
96	23.6	74.7	114.7#

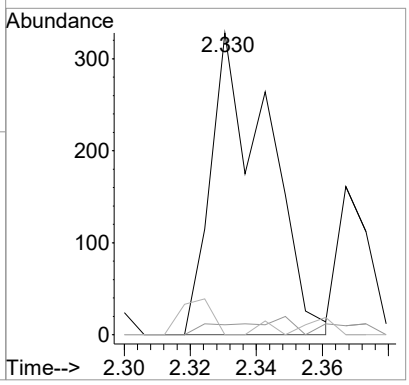




#15
Acetone
Concen: 0.33 ug/L
RT: 2.330 min Scan# 204
Delta R.T. -0.000 min
Lab File: E1886.D
Acq: 16 Jun 2019 11:47 am

Tgt Ion: 43 Resp: 393

Ion	Ratio	Lower	Upper
43	100		
58	3.4	10.8	50.8#
42	0.0	0.0	26.9

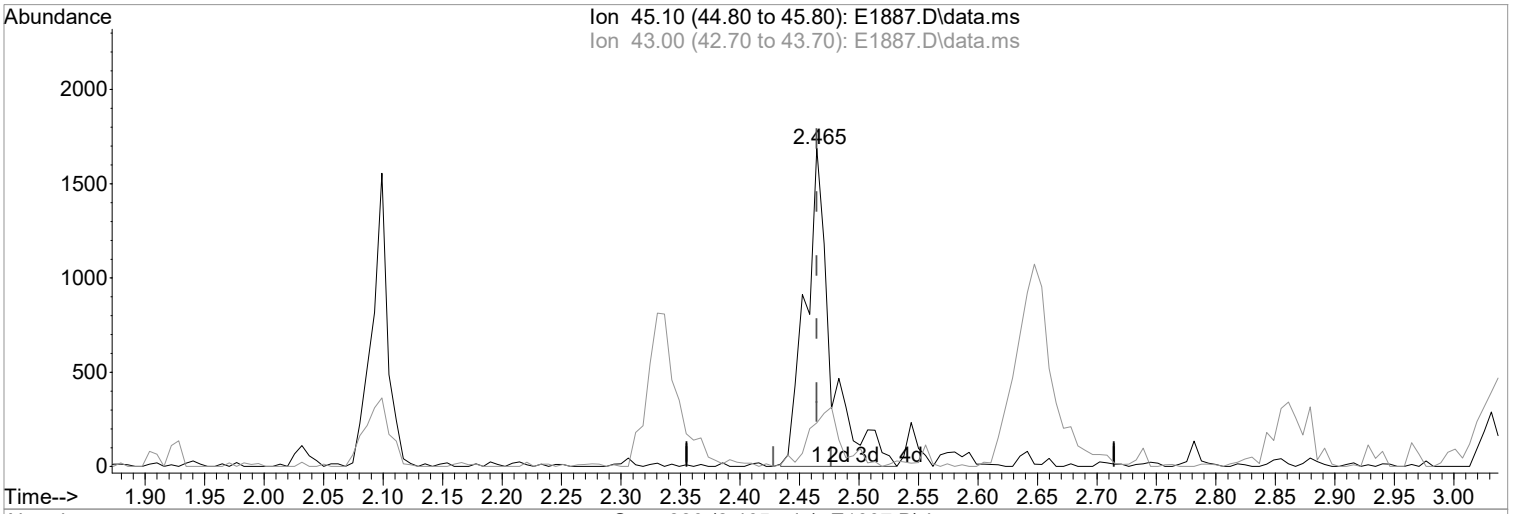


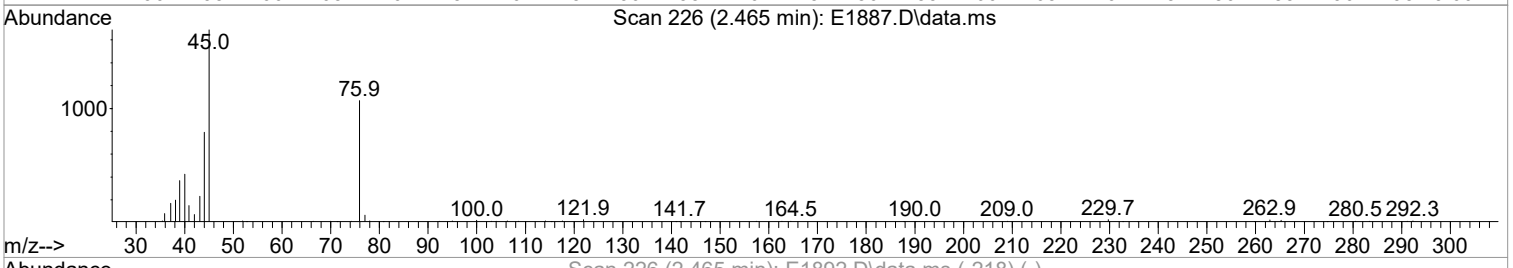
1st DL 06/17/19
2nd FJ 06/18/19

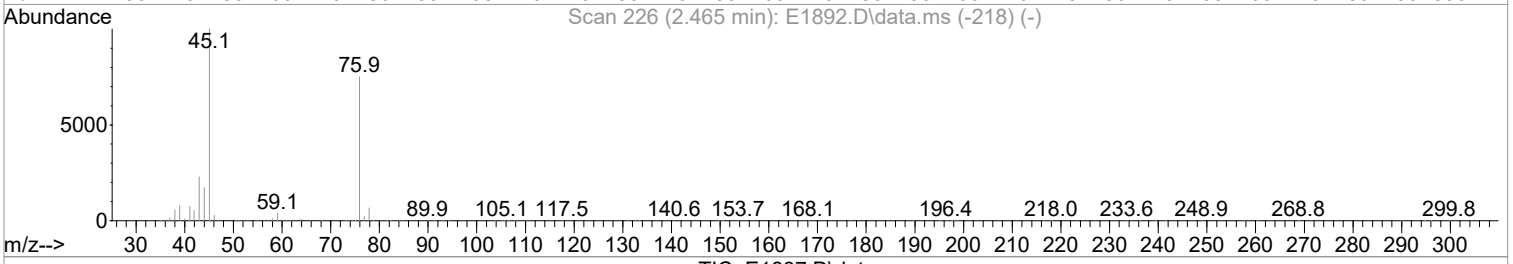
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1887.D
Acq On : 16 Jun 2019 12:36 pm
Operator : D.LIPANI
Sample : STD #1-0.5 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 17 08:05:58 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:05:37 2019
Response via : Initial Calibration







TIC: E1887.D\data.ms

(16) 2-Propanol

2.465min (+0.000) 6.57 ug/L m

response 2537

Ion	Exp%	Act%
45.10	100	100
43.00	23.20	13.68
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

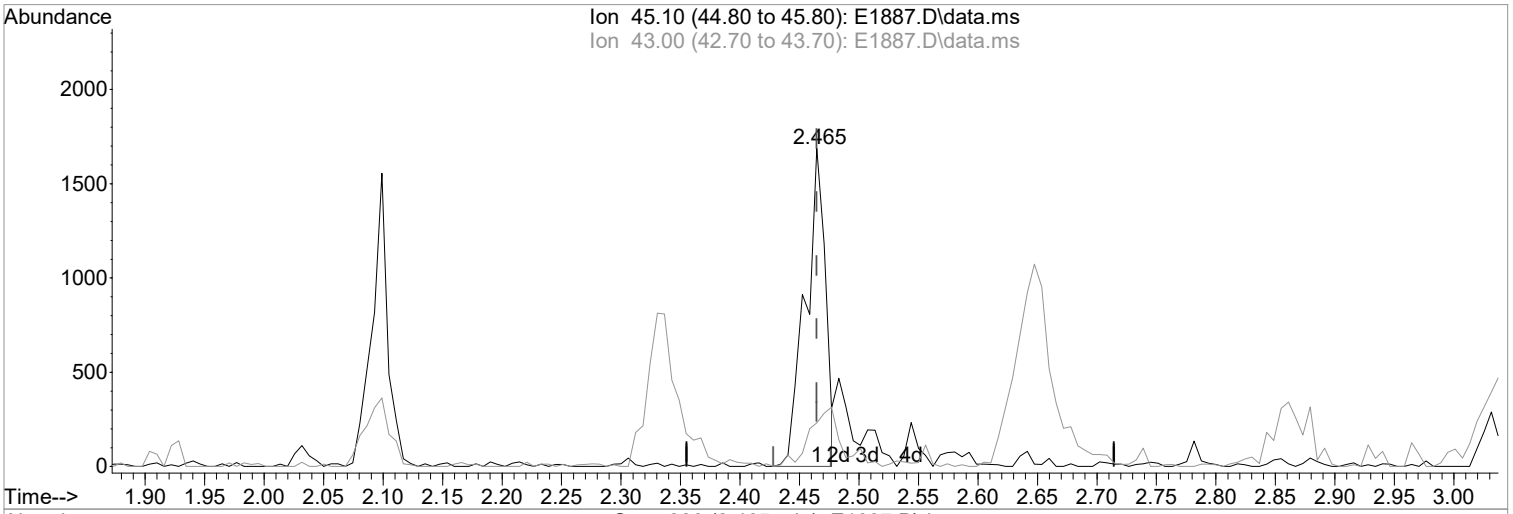
06/17/19

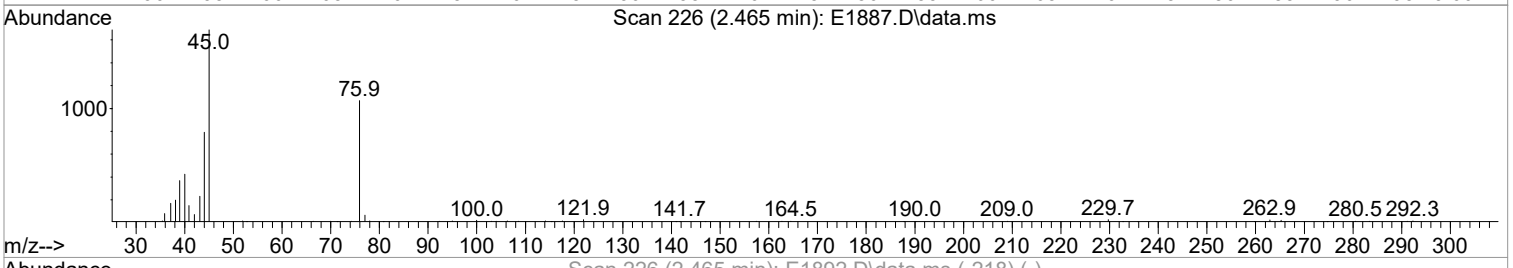
1st DL 06/17/19
2nd FJ 06/18/19

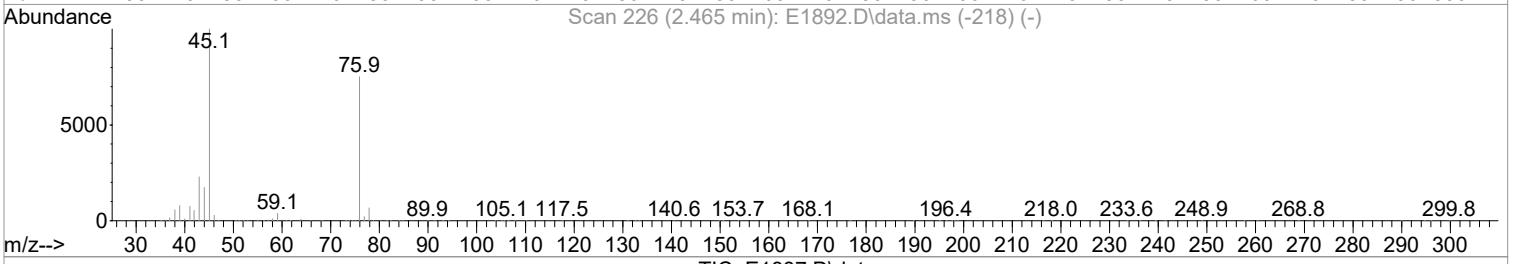
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1887.D
Acq On : 16 Jun 2019 12:36 pm
Operator : D.LIPANI
Sample : STD #1-0.5 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 17 08:05:58 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:05:37 2019
Response via : Initial Calibration







TIC: E1887.D\data.ms

(16) 2-Propanol

2.465min (+0.000) 5.12 ug/L

response 1974

Ion	Exp%	Act%
45.10	100	100
43.00	23.20	13.68
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

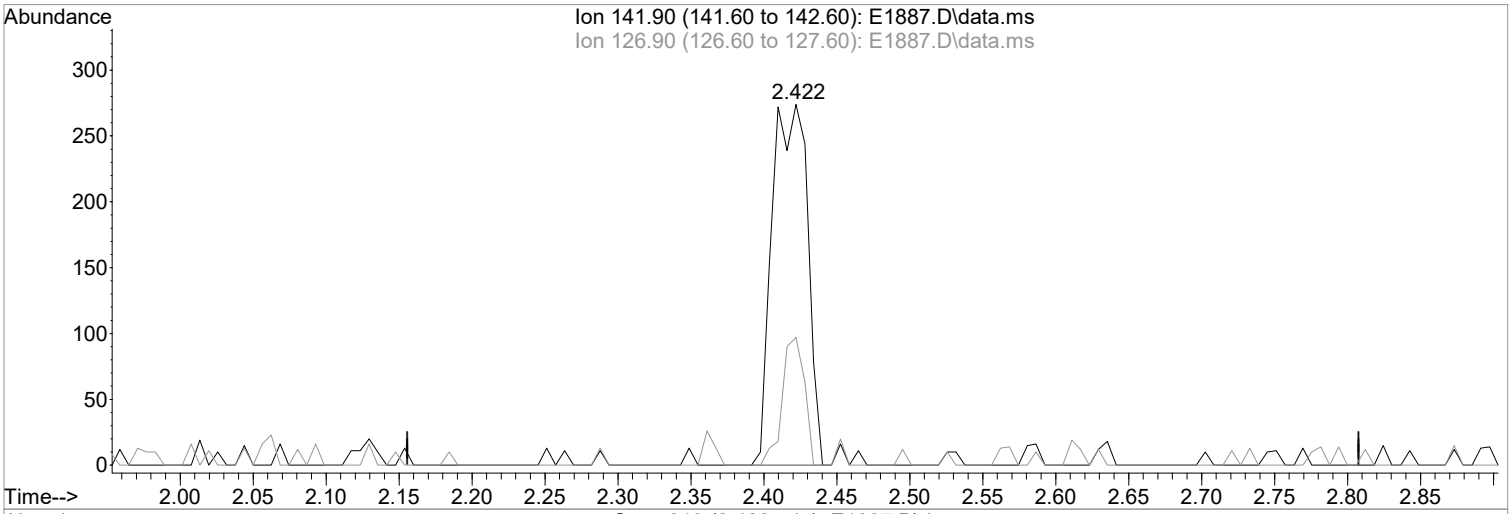
06/17/19

1st DL 06/17/19
2nd FW 06/18/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1887.D
Acq On : 16 Jun 2019 12:36 pm
Operator : D.LIPANI
Sample : STD #1-0.5 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 17 08:05:58 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:05:37 2019
Response via : Initial Calibration



TIC: E1887.D\data.ms

(17) Iodomethane

2.422min (+0.006) 0.14 ug/L m

response 465

Ion	Exp%	Act%
141.90	100	100
126.90	41.20	35.40
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Peak not found.

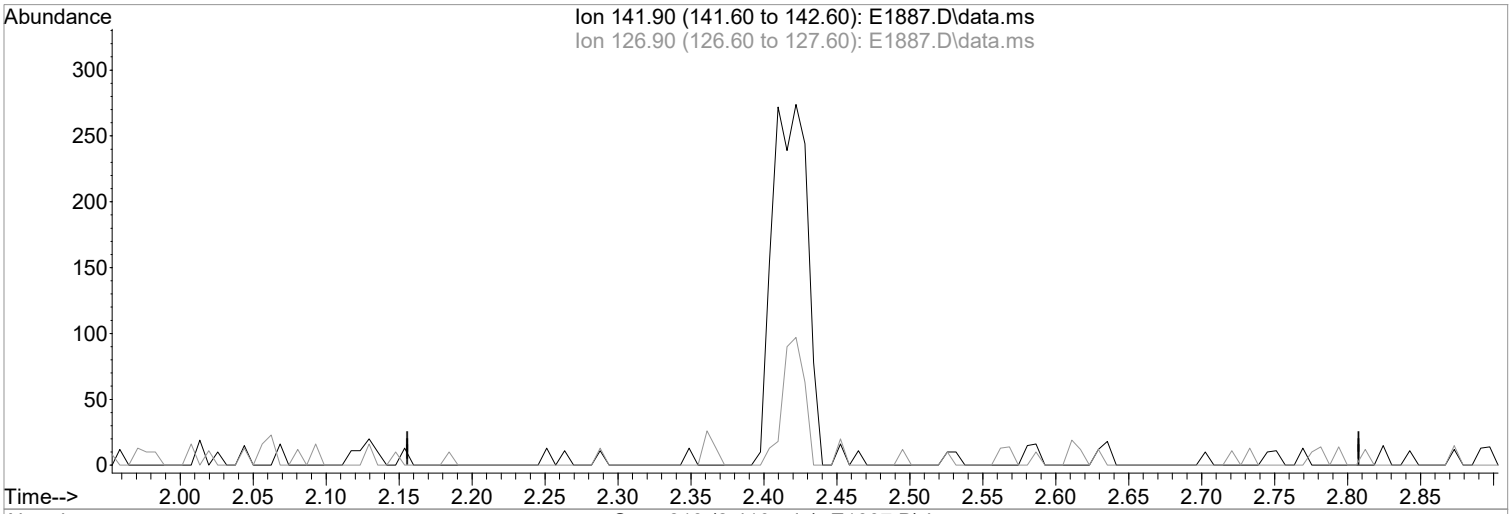
06/17/19

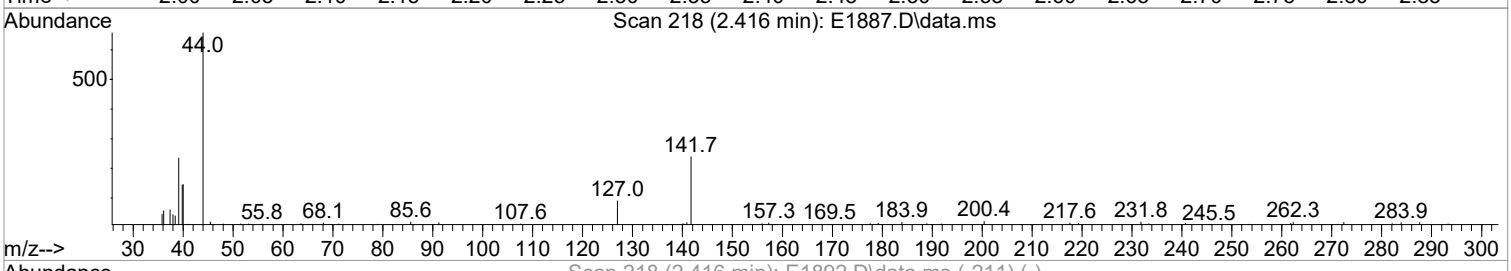
1st DL 06/17/19
2nd FJ 06/18/19

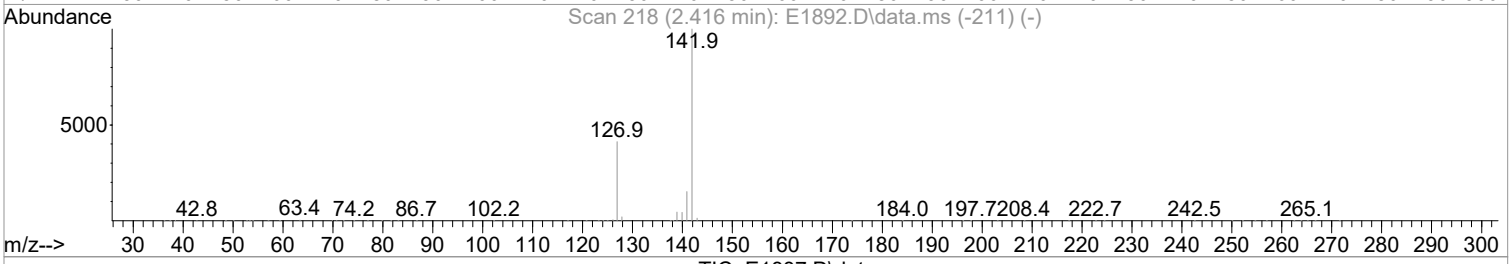
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1887.D
Acq On : 16 Jun 2019 12:36 pm
Operator : D.LIPANI
Sample : STD #1-0.5 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 17 08:05:58 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:05:37 2019
Response via : Initial Calibration







TIC: E1887.D\data.ms

(17) Iodomethane

2.416min (-2.416) 0.00 ug/L

response 0

Ion	Exp%	Act%
141.90	100	0.00
126.90	41.20	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

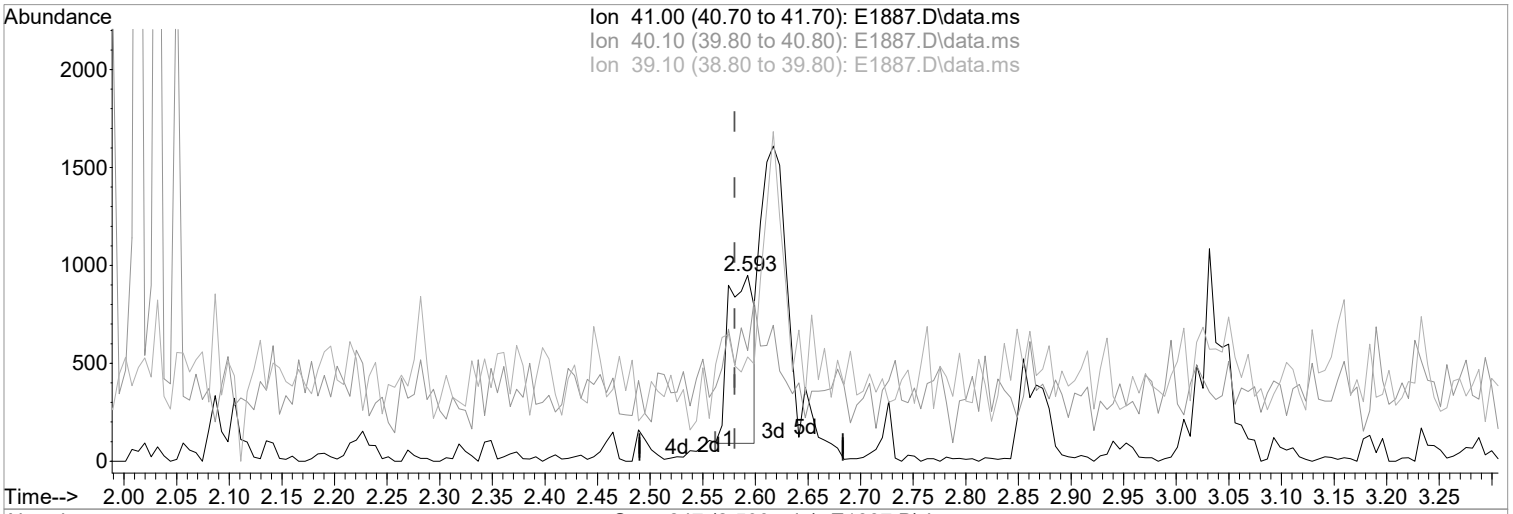
06/17/19

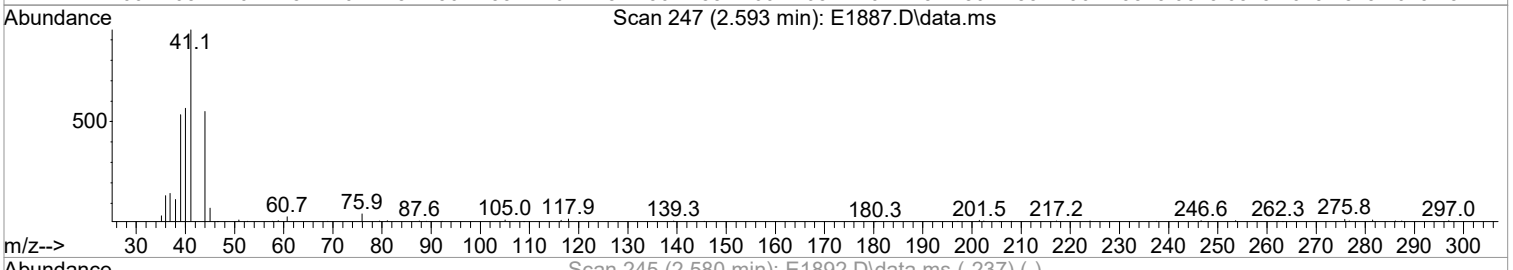
1st DL 06/17/19
2nd FW 06/18/19

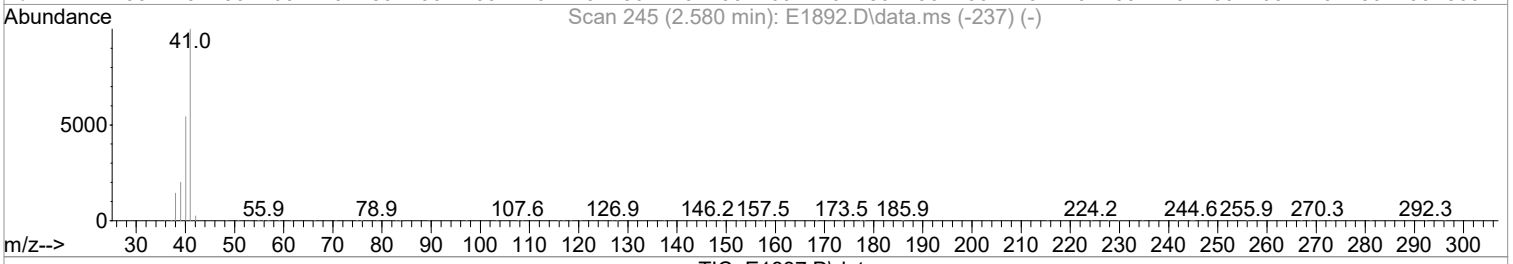
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1887.D
Acq On : 16 Jun 2019 12:36 pm
Operator : D.LIPANI
Sample : STD #1-0.5 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 17 08:05:58 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:05:37 2019
Response via : Initial Calibration







TIC: E1887.D\data.ms

(19) Acetonitrile

2.593min (+0.012) 2.21 ug/L m

response 1455

Ion	Exp%	Act%
41.00	100	100
40.10	54.40	59.54
39.10	21.00	56.16#
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

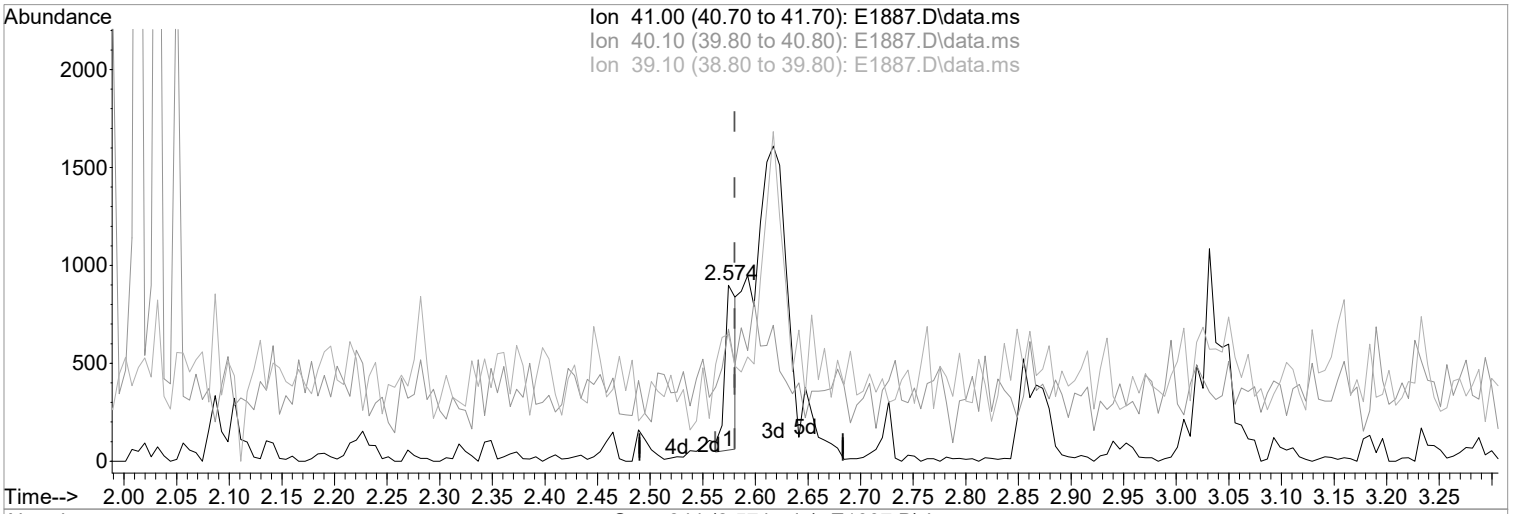
06/17/19

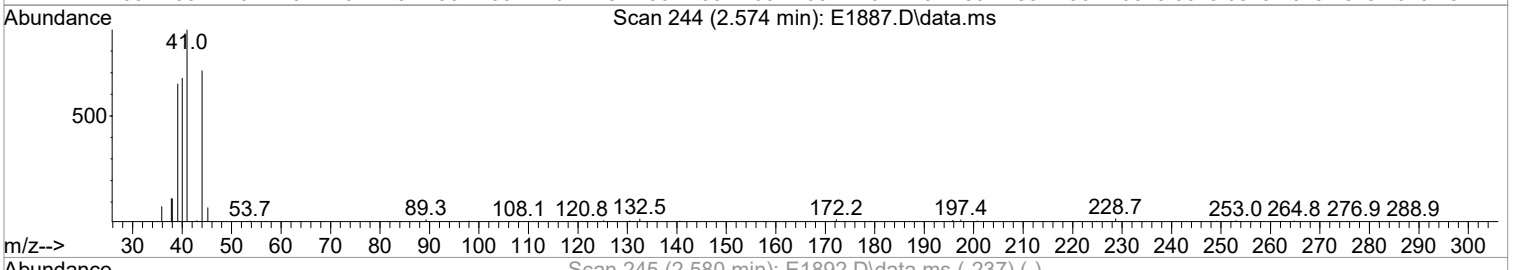
1st DL 06/17/19
2nd FW 06/18/19

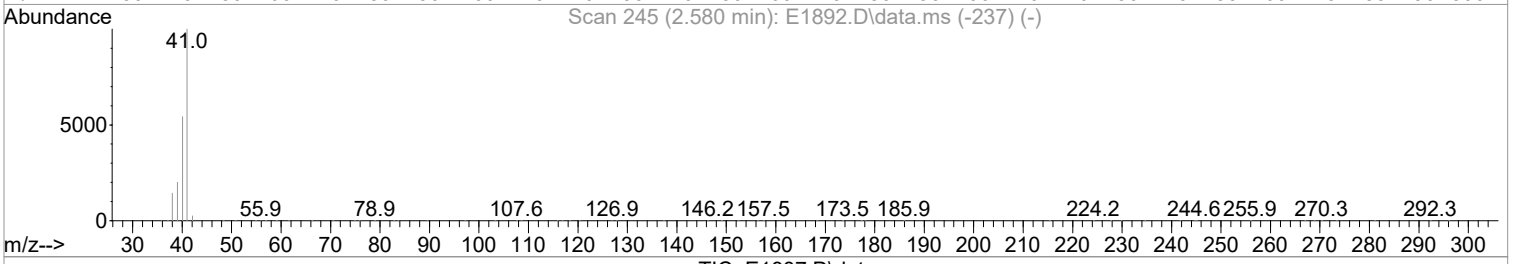
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1887.D
Acq On : 16 Jun 2019 12:36 pm
Operator : D.LIPANI
Sample : STD #1-0.5 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 17 08:05:58 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:05:37 2019
Response via : Initial Calibration







TIC: E1887.D\data.ms

(19) Acetonitrile

2.574min (-0.006) 0.98 ug/L

response 643

Ion	Exp%	Act%
41.00	100	100
40.10	54.40	75.06#
39.10	21.00	72.16#
0.00	0.00	0.00

Manual Integration:

Before

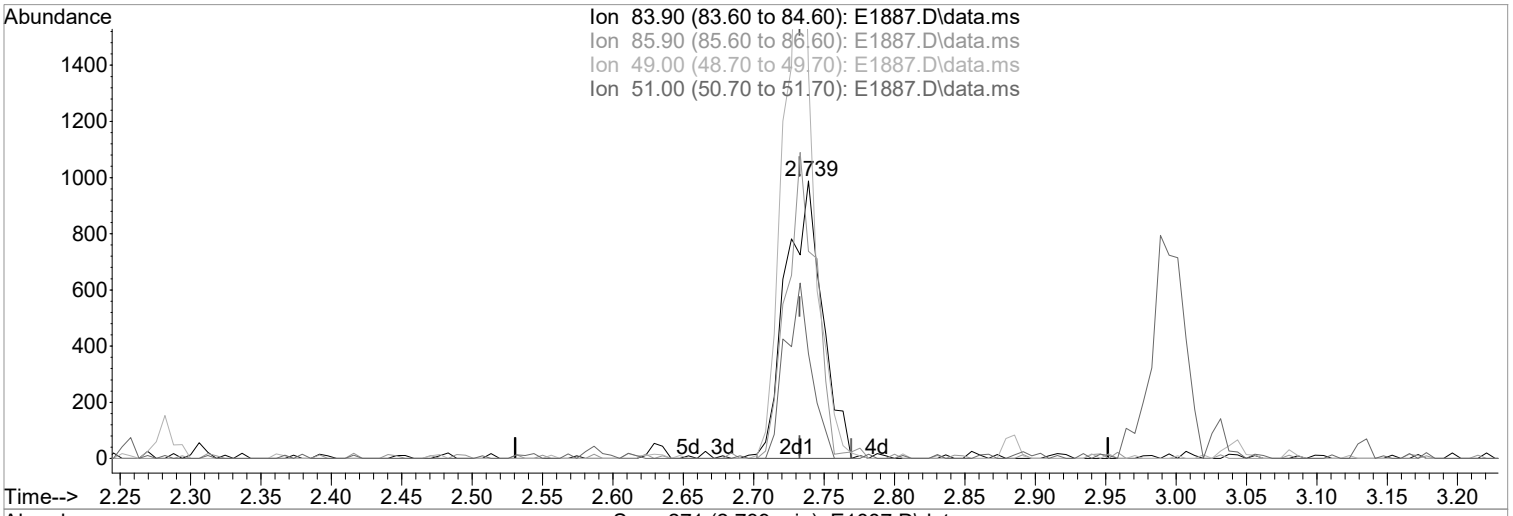
06/17/19

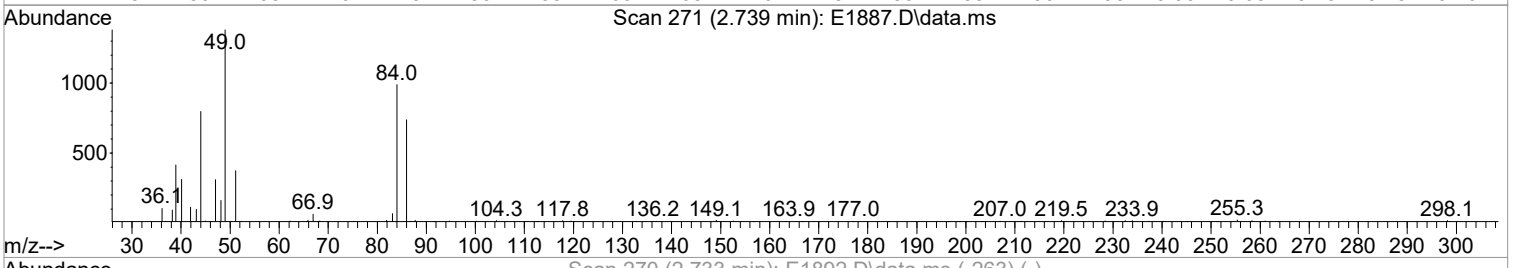
1st DL 06/17/19
2nd FW 06/18/19

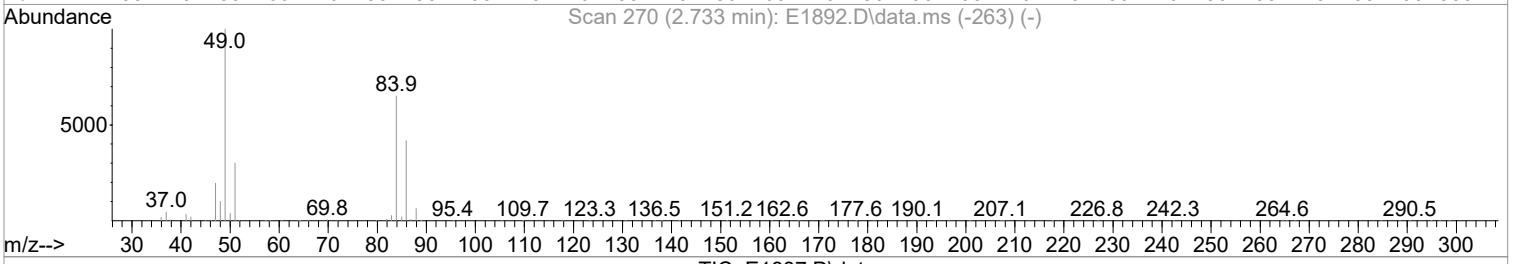
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1887.D
Acq On : 16 Jun 2019 12:36 pm
Operator : D.LIPANI
Sample : STD #1-0.5 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 17 08:05:58 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:05:37 2019
Response via : Initial Calibration







TIC: E1887.D\data.ms

(22) Methylene Chloride (P)

2.739min (+0.006) 0.53 ug/L m

response 1778

Ion	Exp%	Act%
83.90	100	100
85.90	64.20	74.60
49.00	153.50	139.68
51.00	46.10	37.75

Manual Integration:

After

Poor integration.

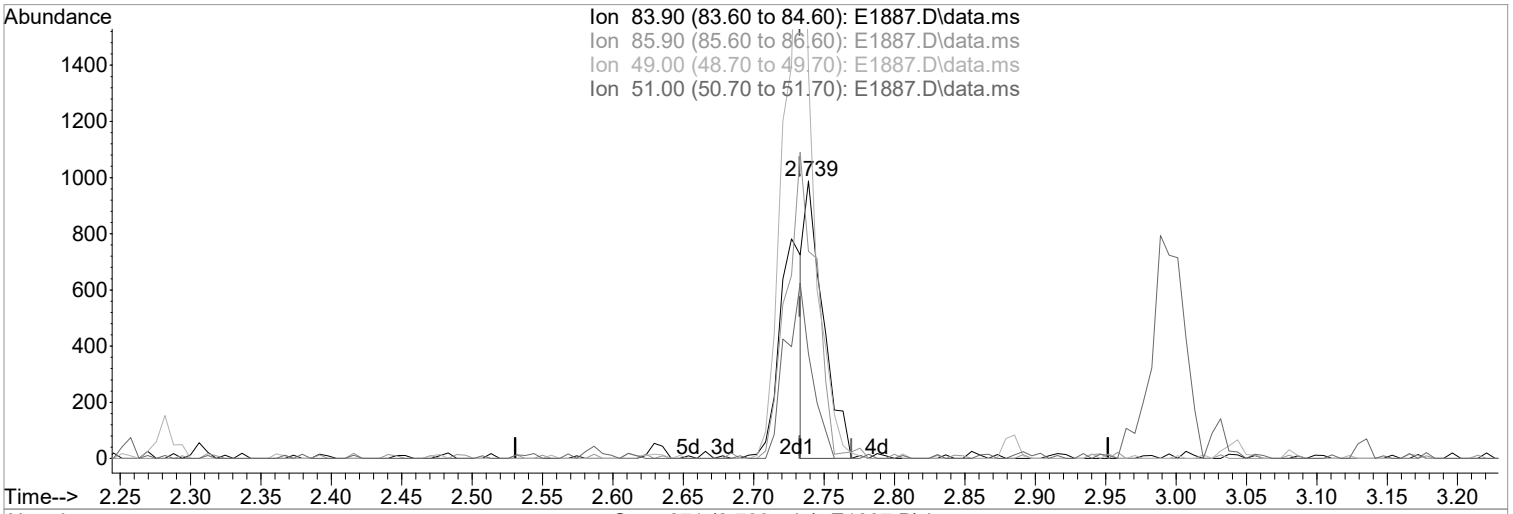
06/17/19

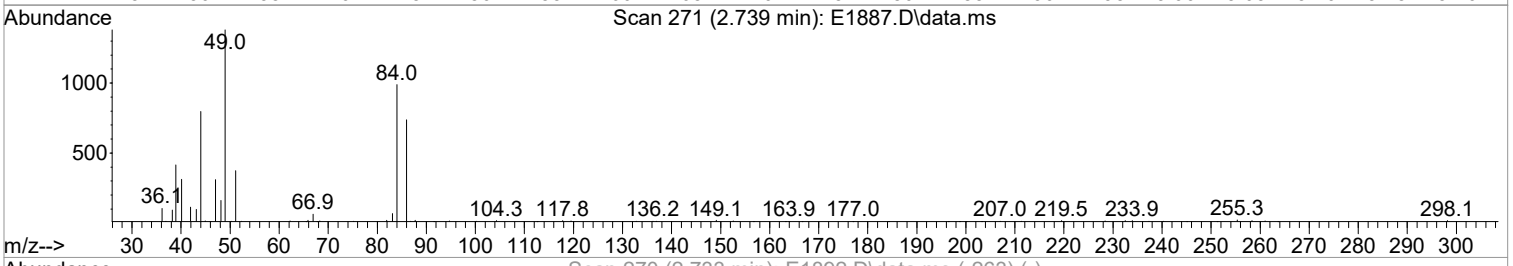
1st DL 06/17/19
2nd FJ 06/18/19

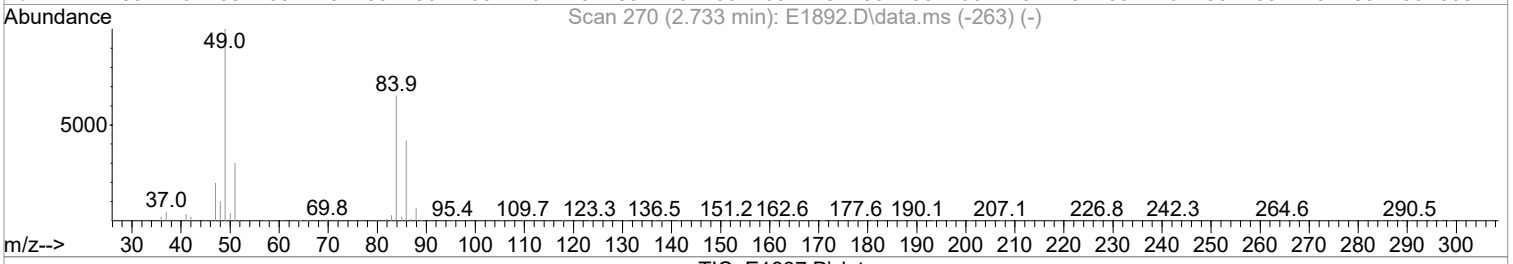
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1887.D
Acq On : 16 Jun 2019 12:36 pm
Operator : D.LIPANI
Sample : STD #1-0.5 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 17 08:05:58 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:05:37 2019
Response via : Initial Calibration







TIC: E1887.D\data.ms

(22) Methylene Chloride (P)

2.739min (+0.006) 0.27 ug/L

response 892

Ion	Exp%	Act%
83.90	100	100
85.90	64.20	74.60
49.00	153.50	139.68
51.00	46.10	37.75

Manual Integration:

Before

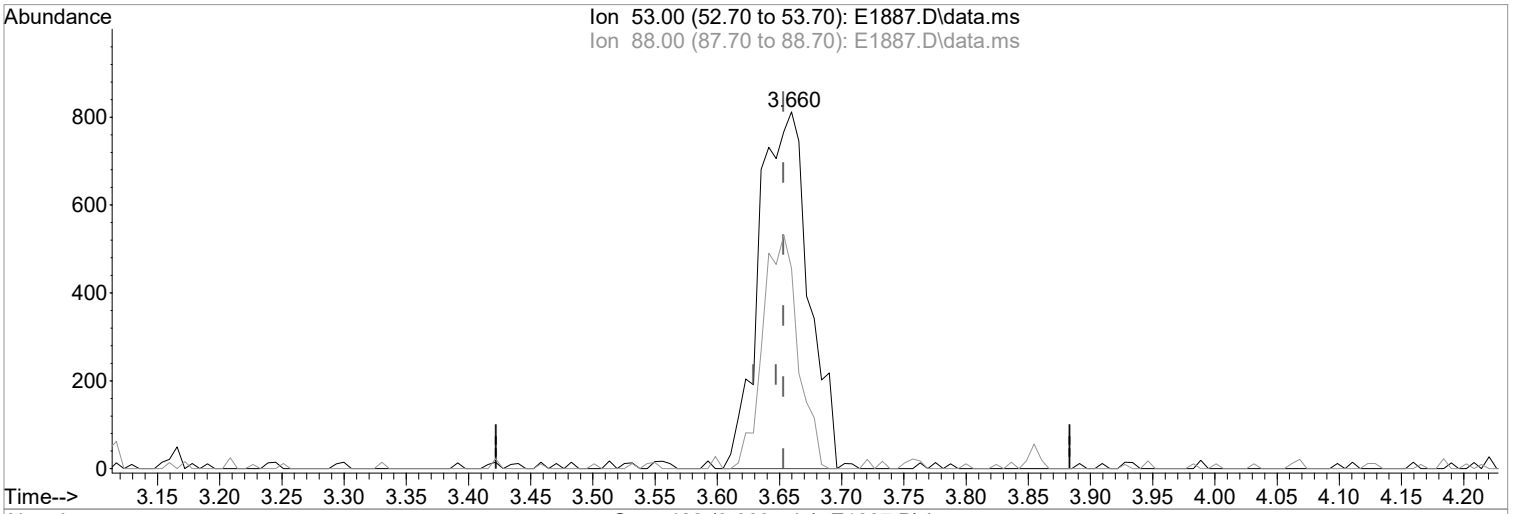
06/17/19

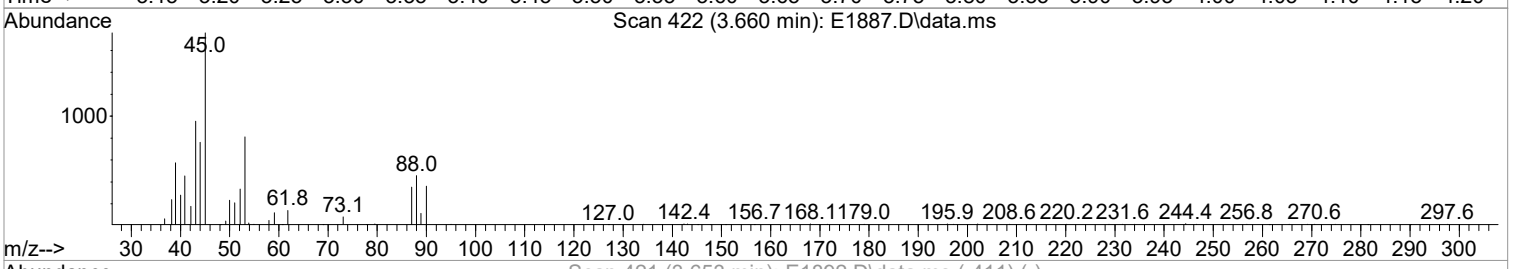
1st DL 06/17/19
2nd FW 06/18/19

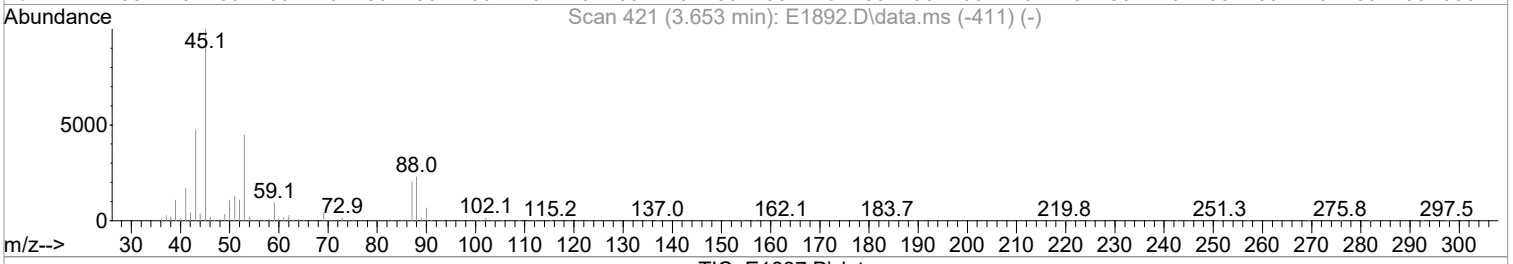
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1887.D
Acq On : 16 Jun 2019 12:36 pm
Operator : D.LIPANI
Sample : STD #1-0.5 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 17 08:05:58 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:05:37 2019
Response via : Initial Calibration







TIC: E1887.D\data.ms

(30) 2-Chloro-1,3-Butadiene

3.660min (+0.006) 0.44 ug/L m

response 2247

Ion	Exp%	Act%
53.00	100	100
88.00	51.00	56.16
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

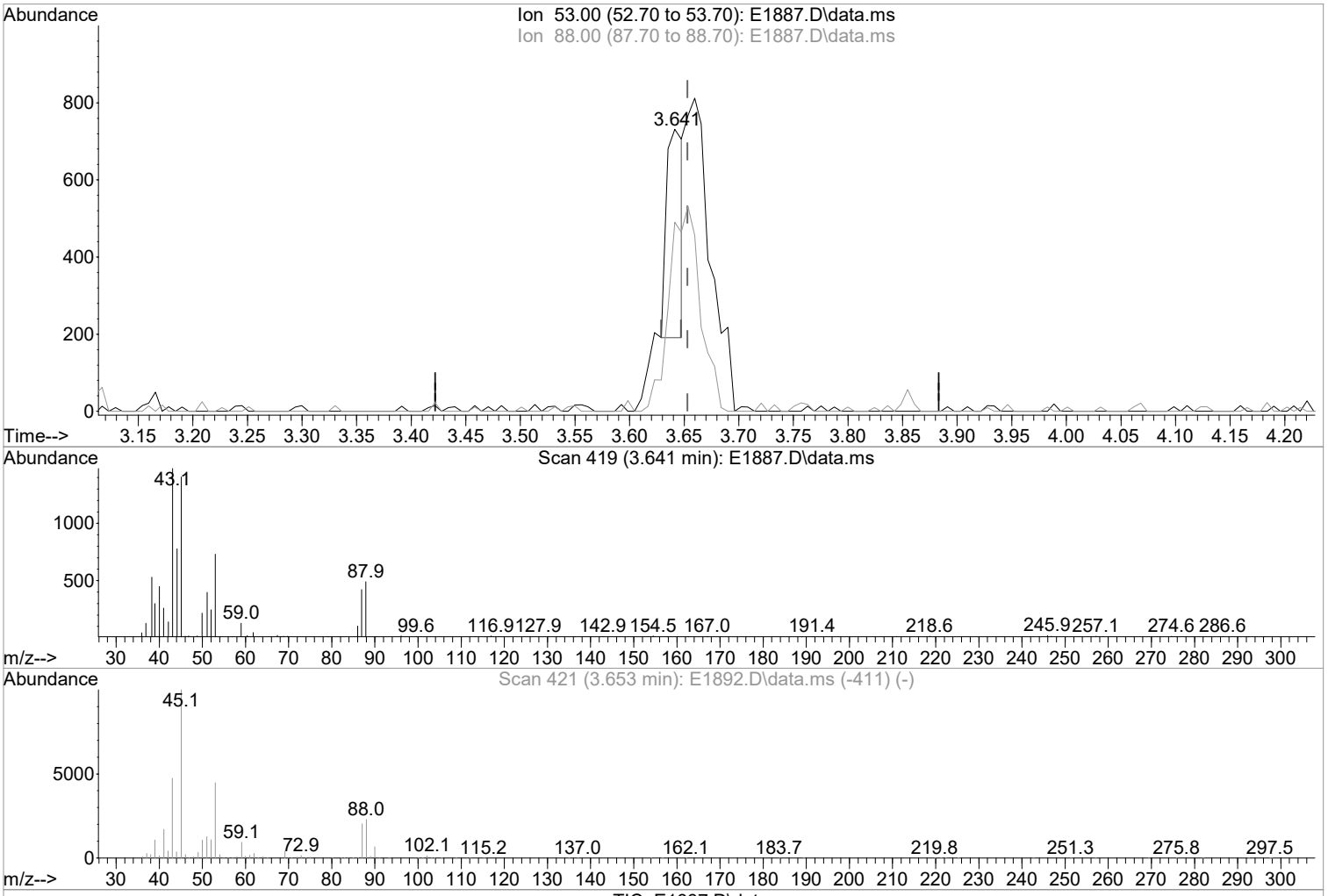
06/17/19

1st DL 06/17/19
2nd FW 06/18/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1887.D
Acq On : 16 Jun 2019 12:36 pm
Operator : D.LIPANI
Sample : STD #1-0.5 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 17 08:05:58 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:05:37 2019
Response via : Initial Calibration



TIC: E1887.D\data.ms

(30) 2-Chloro-1,3-Butadiene

3.641min (-0.012) 0.11 ug/L

response 565

Ion	Exp%	Act%
53.00	100	100
88.00	51.00	67.03
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

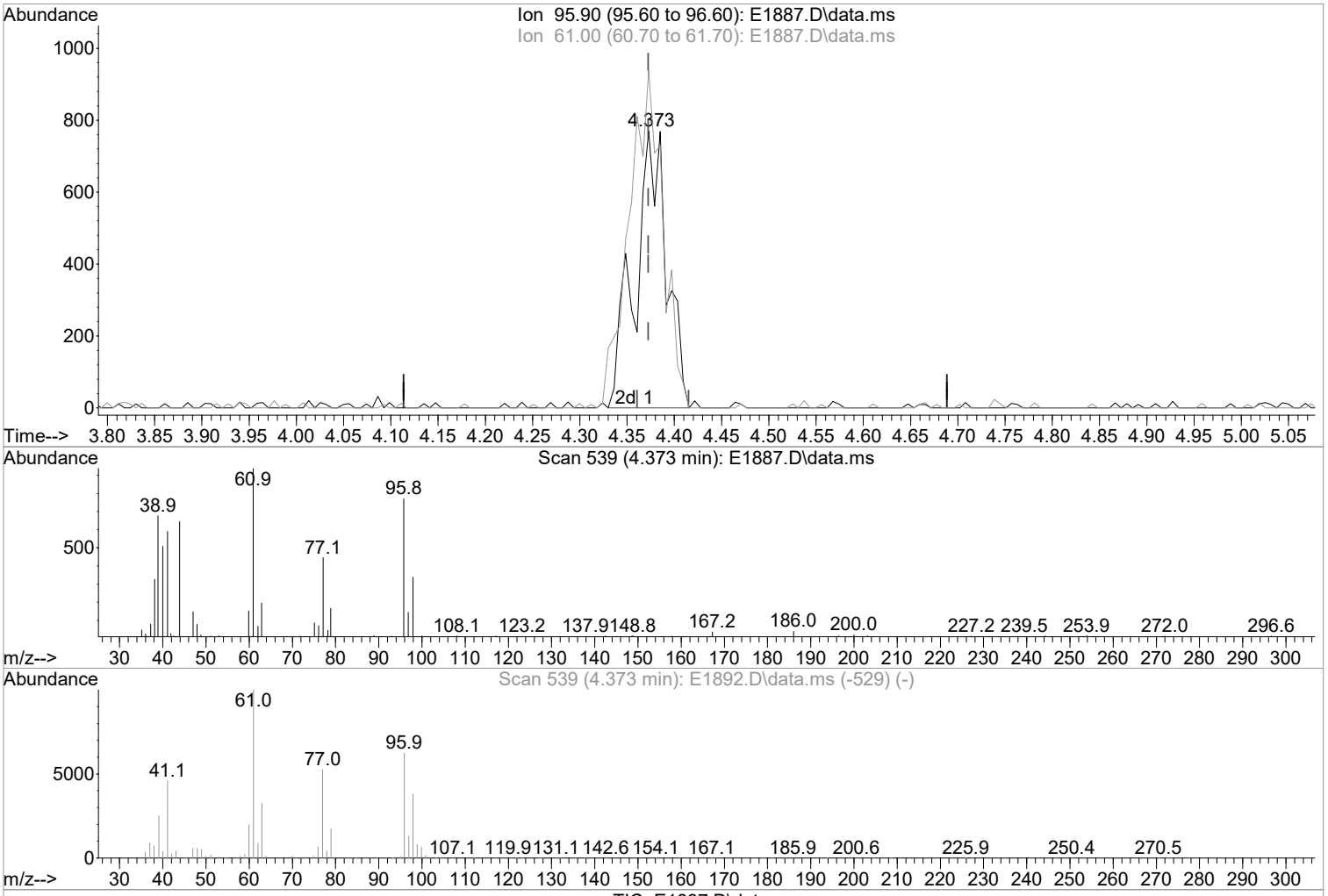
06/17/19

1st DL 06/17/19
2nd FW 06/18/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1887.D
Acq On : 16 Jun 2019 12:36 pm
Operator : D.LIPANI
Sample : STD #1-0.5 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 17 08:05:58 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:05:37 2019
Response via : Initial Calibration



TIC: E1887.D\data.ms

(33) cis-1,2-Dichloroethene (P)

4.373min (+0.000) 0.54 ug/L m

response 1807

Ion	Exp%	Act%
95.90	100	100
61.00	161.00	121.69#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

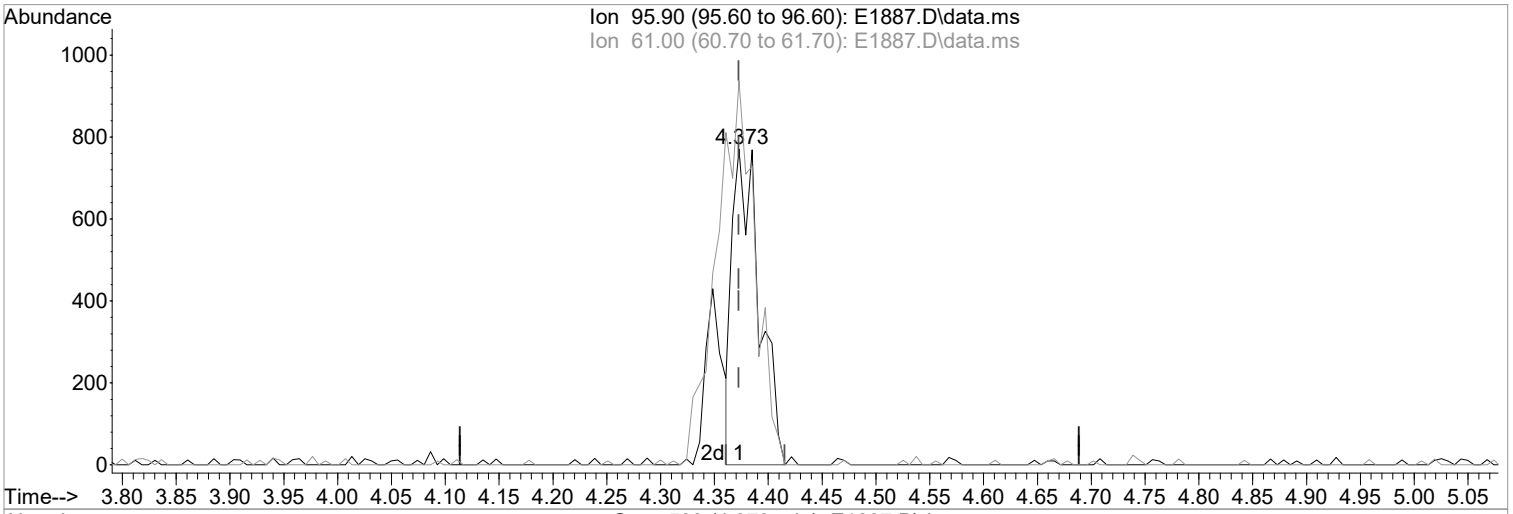
Poor integration.

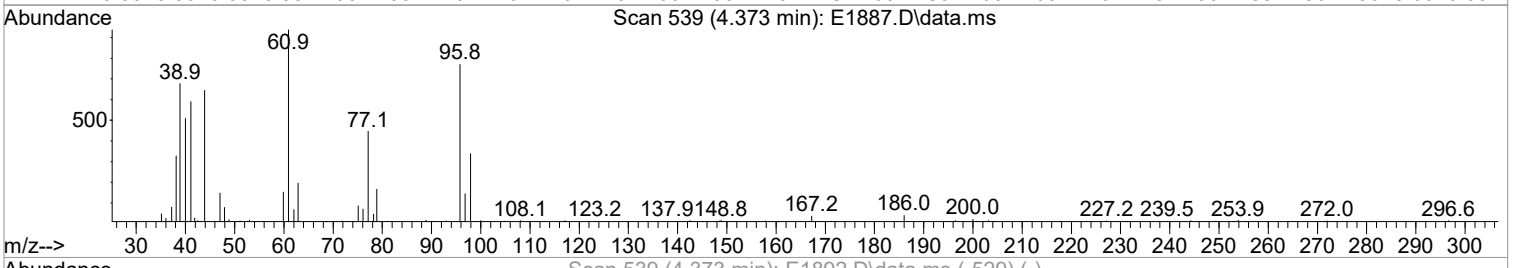
06/17/19

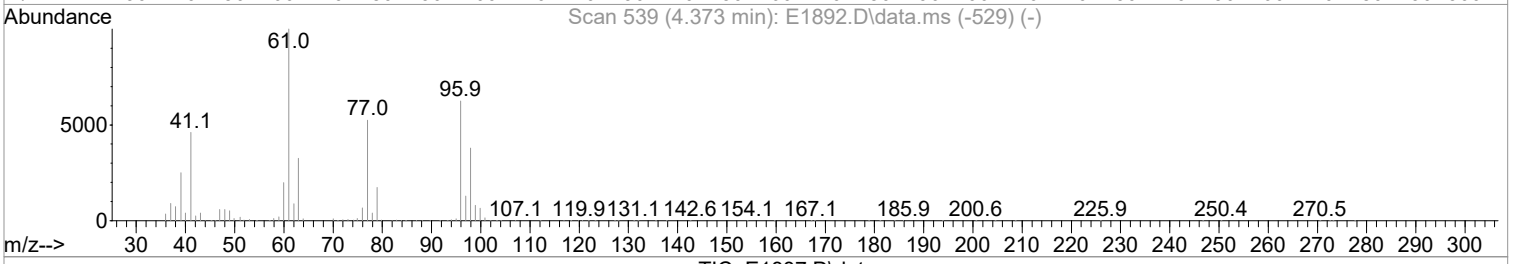
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1887.D
Acq On : 16 Jun 2019 12:36 pm
Operator : D.LIPANI
Sample : STD #1-0.5 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 17 08:05:58 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:05:37 2019
Response via : Initial Calibration







TIC: E1887.D\data.ms

(33) cis-1,2-Dichloroethene (P)

4.373min (+0.000) 0.40 ug/L

response 1348

Ion	Exp%	Act%
95.90	100	100
61.00	161.00	121.69#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

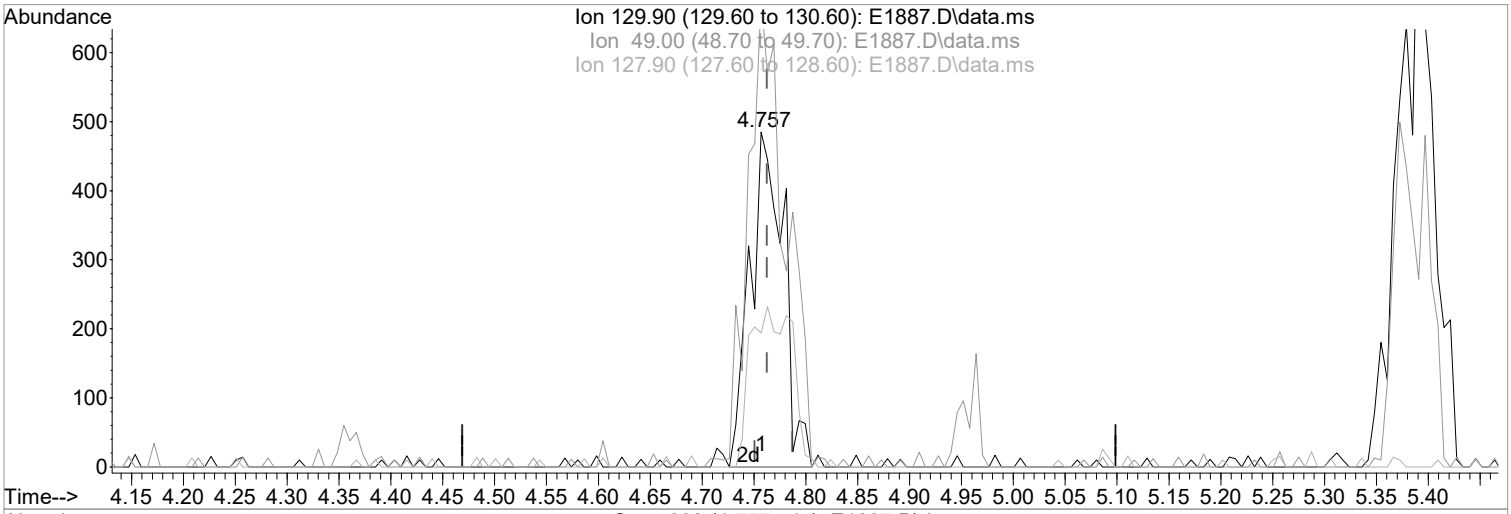
06/17/19

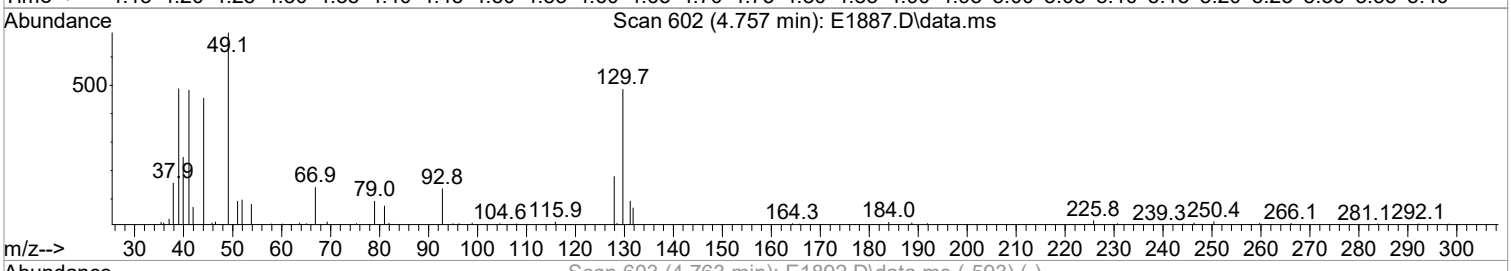
1st DL 06/17/19
2nd FW 06/18/19

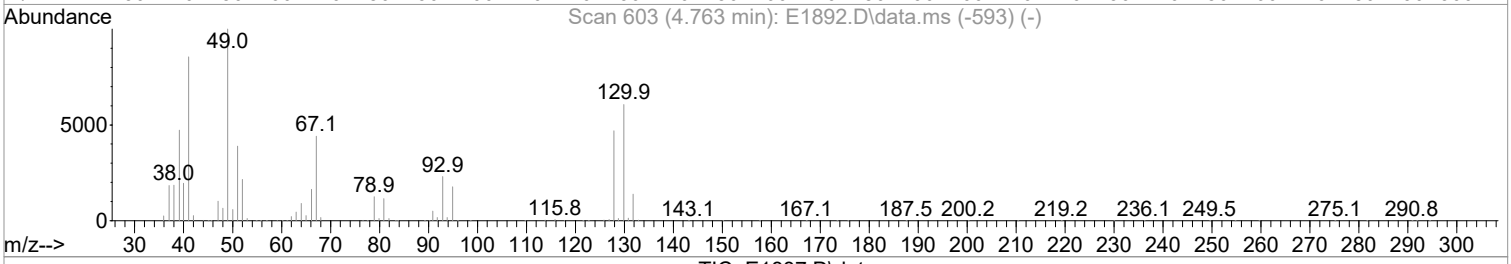
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1887.D
Acq On : 16 Jun 2019 12:36 pm
Operator : D.LIPANI
Sample : STD #1-0.5 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 17 08:05:58 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:05:37 2019
Response via : Initial Calibration







TIC: E1887.D\data.ms

(36) Bromochloromethane

4.757min (-0.006) 0.55 ug/L m

response 1088

Ion	Exp%	Act%
129.90	100	100
49.00	165.00	141.03#
127.90	77.40	36.91#
0.00	0.00	0.00

Manual Integration:

After

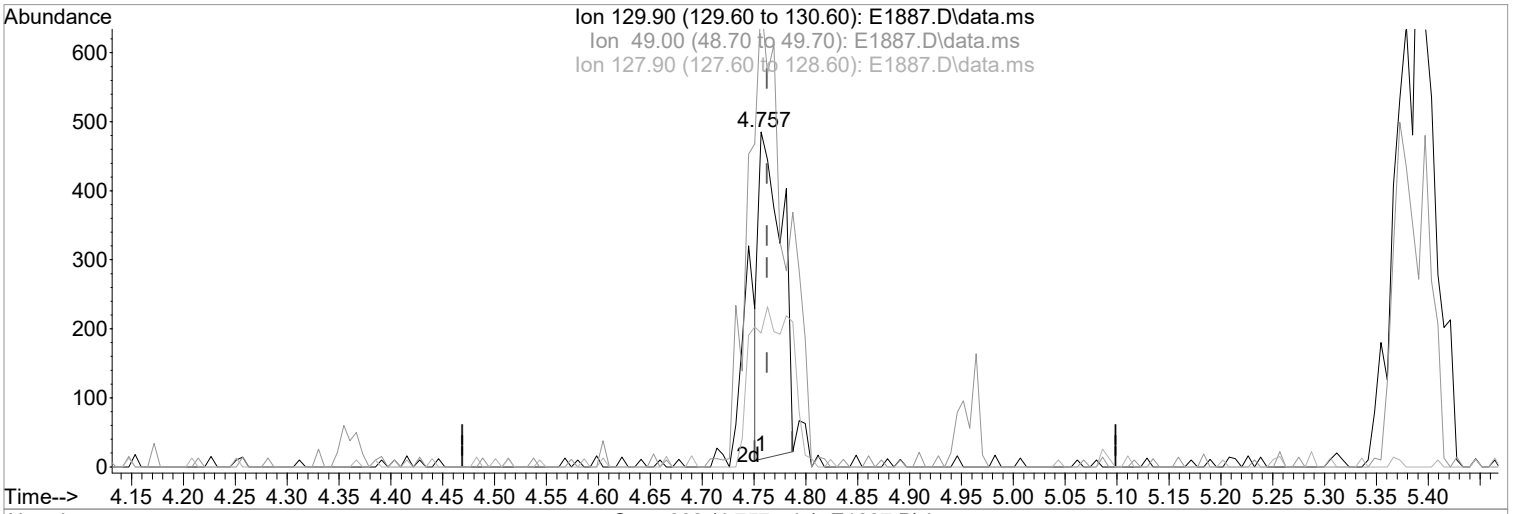
Poor integration.

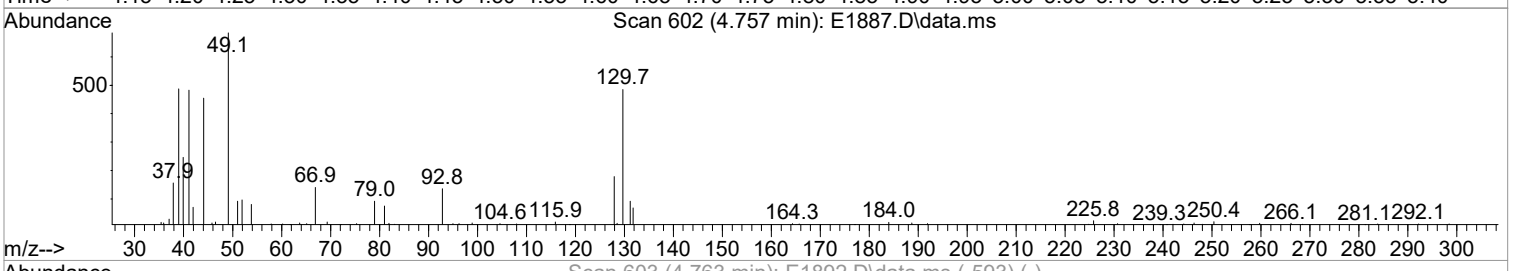
06/17/19

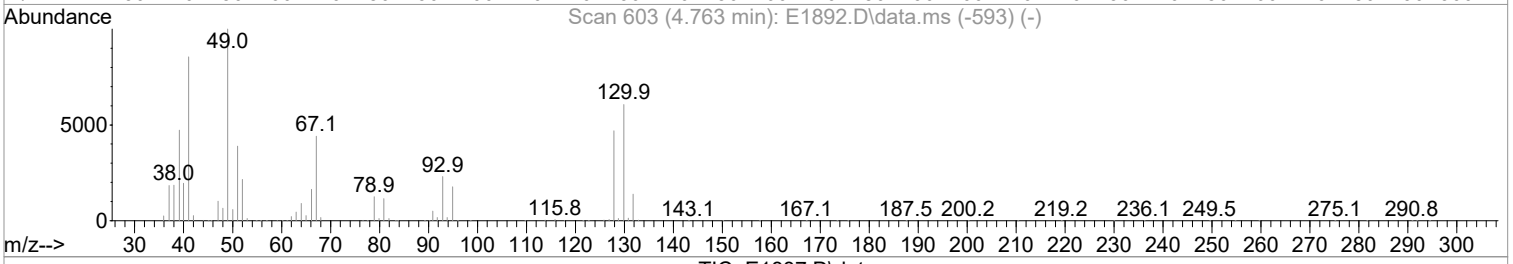
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1887.D
Acq On : 16 Jun 2019 12:36 pm
Operator : D.LIPANI
Sample : STD #1-0.5 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 17 08:05:58 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:05:37 2019
Response via : Initial Calibration







TIC: E1887.D\data.ms

(36) Bromochloromethane

4.757min (-0.006) 0.36 ug/L

response 717

Ion	Exp%	Act%
129.90	100	100
49.00	165.00	141.03#
127.90	77.40	40.00#
0.00	0.00	0.00

Manual Integration:

Before

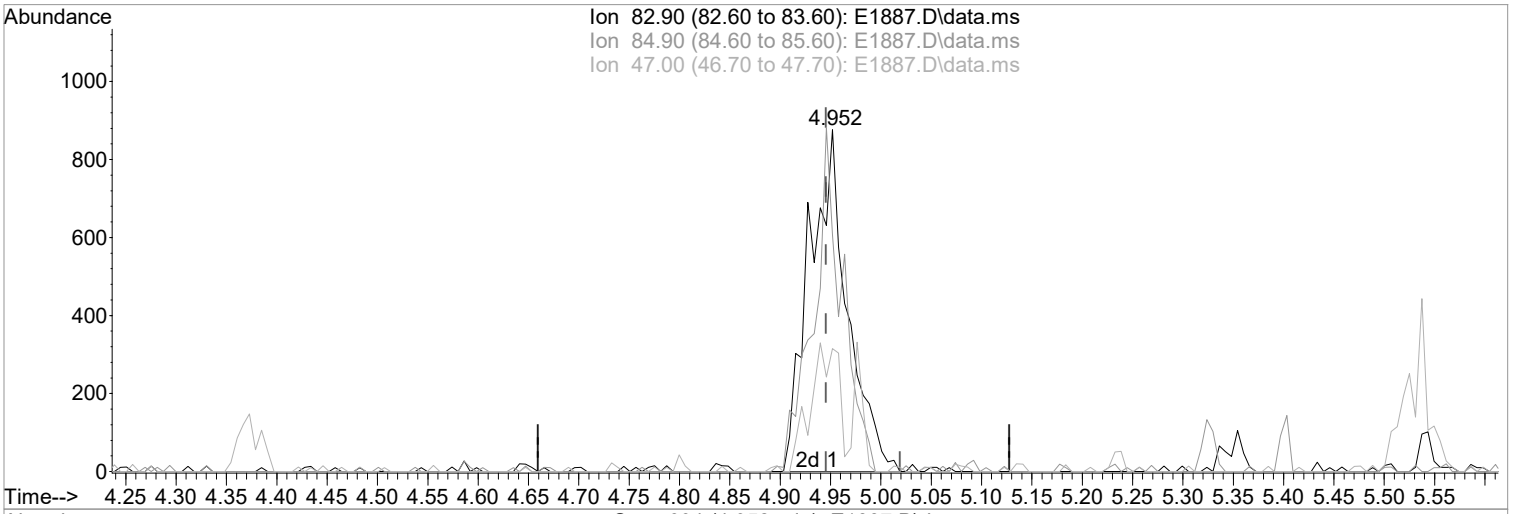
06/17/19

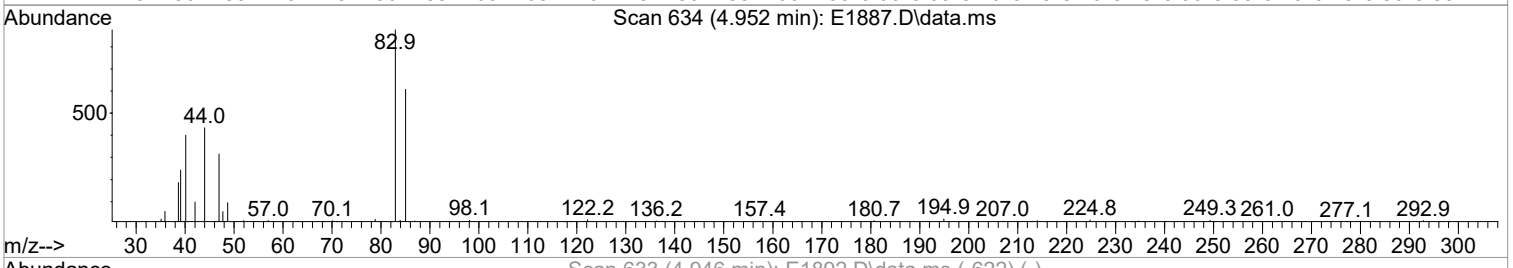
1st DL 06/17/19
2nd FW 06/18/19

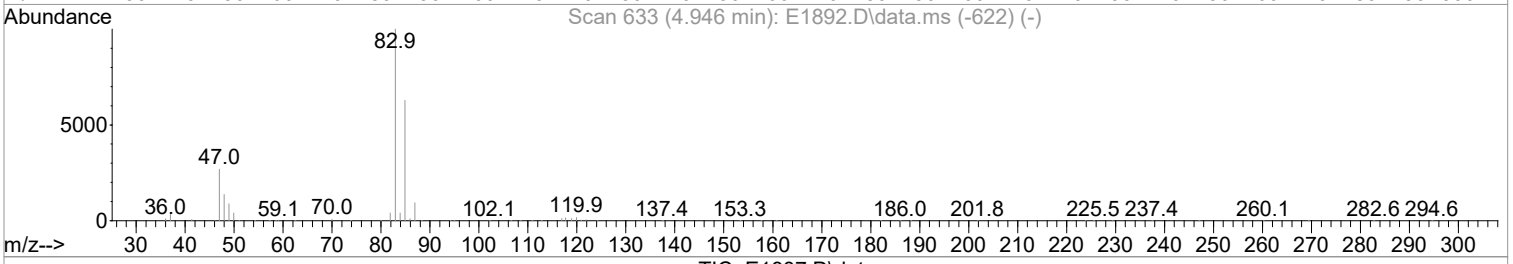
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1887.D
Acq On : 16 Jun 2019 12:36 pm
Operator : D.LIPANI
Sample : STD #1-0.5 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 17 08:05:58 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:05:37 2019
Response via : Initial Calibration







TIC: E1887.D\data.ms

(39) Chloroform (P)

4.952min (+0.006) 0.41 ug/L m

response 2310

Ion	Exp%	Act%
82.90	100	100
84.90	62.70	69.29
47.00	26.90	35.96
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

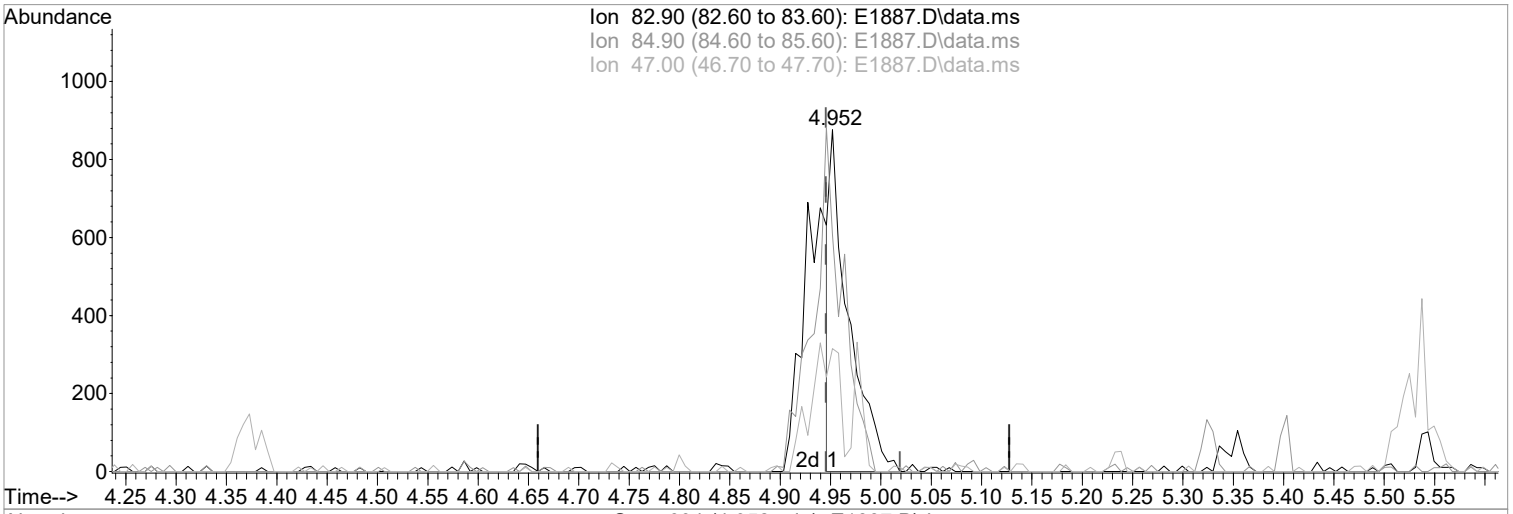
06/17/19

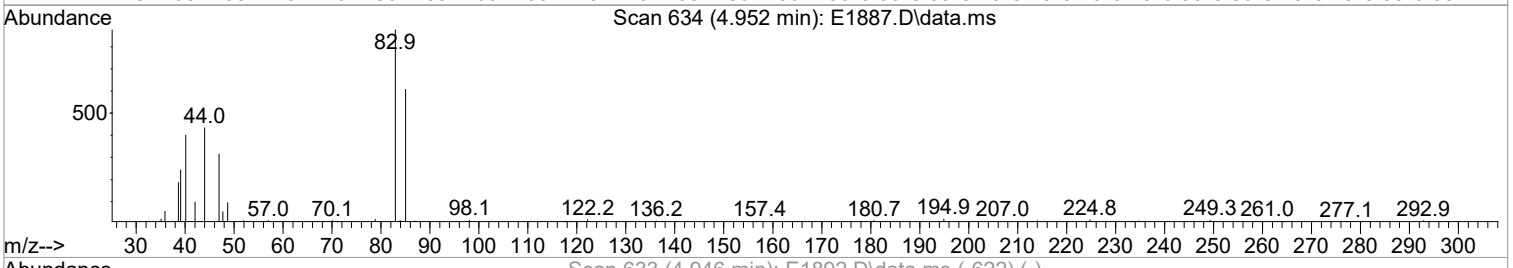
1st DL 06/17/19
2nd FW 06/18/19

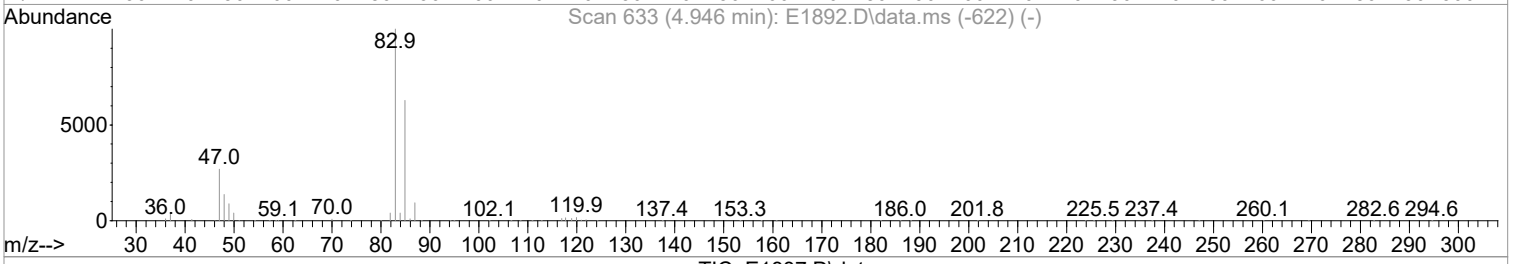
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1887.D
Acq On : 16 Jun 2019 12:36 pm
Operator : D.LIPANI
Sample : STD #1-0.5 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 17 08:05:58 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:05:37 2019
Response via : Initial Calibration







TIC: E1887.D\data.ms

(39) Chloroform (P)

4.952min (+0.006) 0.20 ug/L

response 1133

Ion	Exp%	Act%
82.90	100	100
84.90	62.70	69.29
47.00	26.90	42.24
0.00	0.00	0.00

Manual Integration:

Before

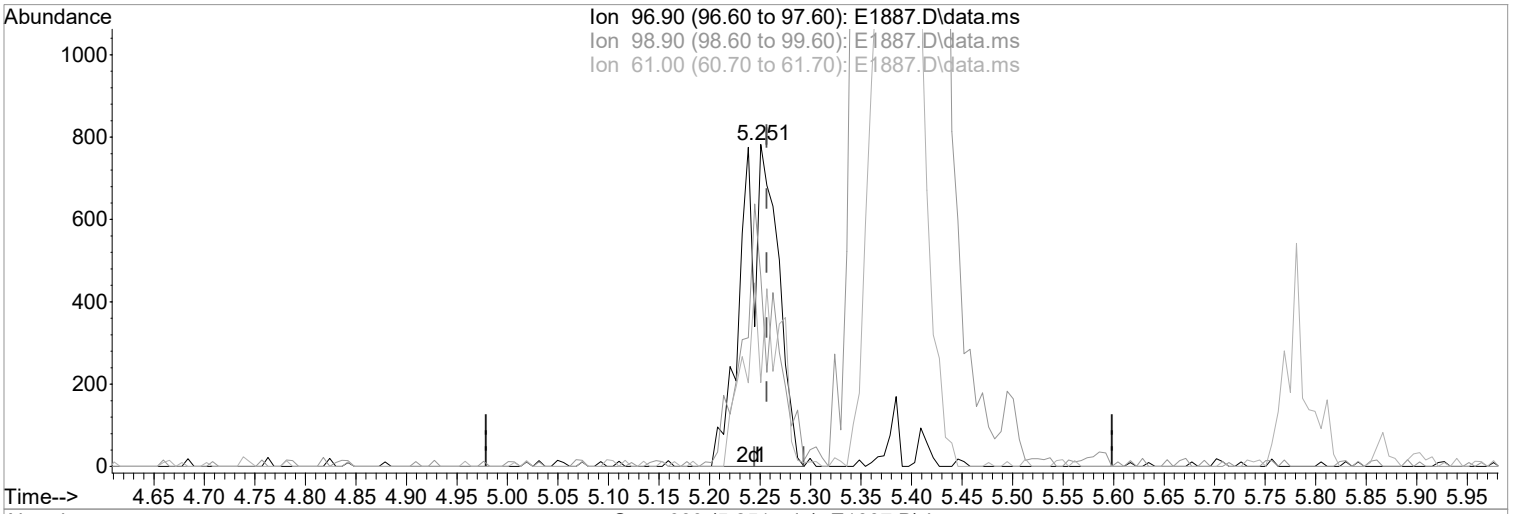
06/17/19

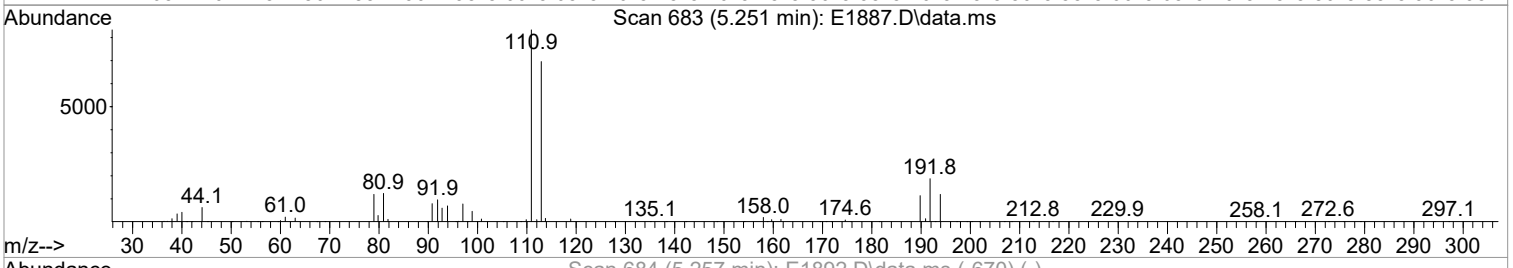
1st DL 06/17/19
2nd FJ 06/18/19

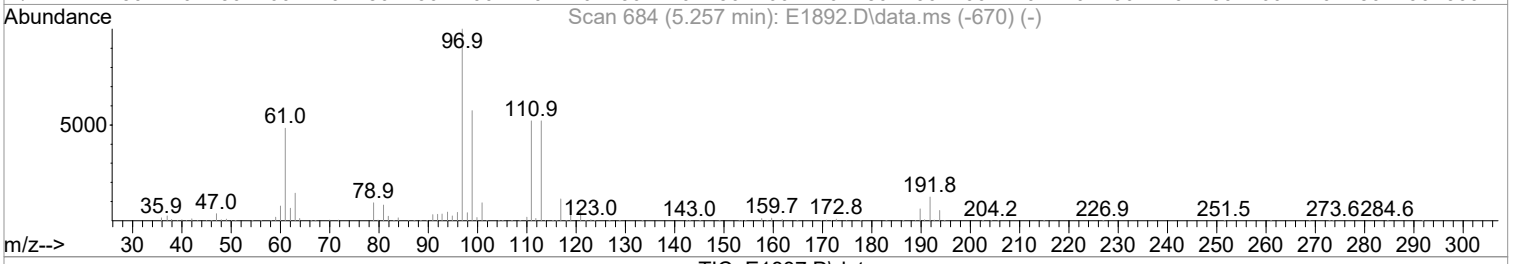
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1887.D
Acq On : 16 Jun 2019 12:36 pm
Operator : D.LIPANI
Sample : STD #1-0.5 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 17 08:05:58 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:05:37 2019
Response via : Initial Calibration







TIC: E1887.D\data.ms

(40) 1,1,1-Trichloroethane (P)

5.251min (-0.006) 0.42 ug/L m

response 1943

Ion	Exp%	Act%
96.90	100	100
98.90	57.50	59.08
61.00	48.30	26.09#
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

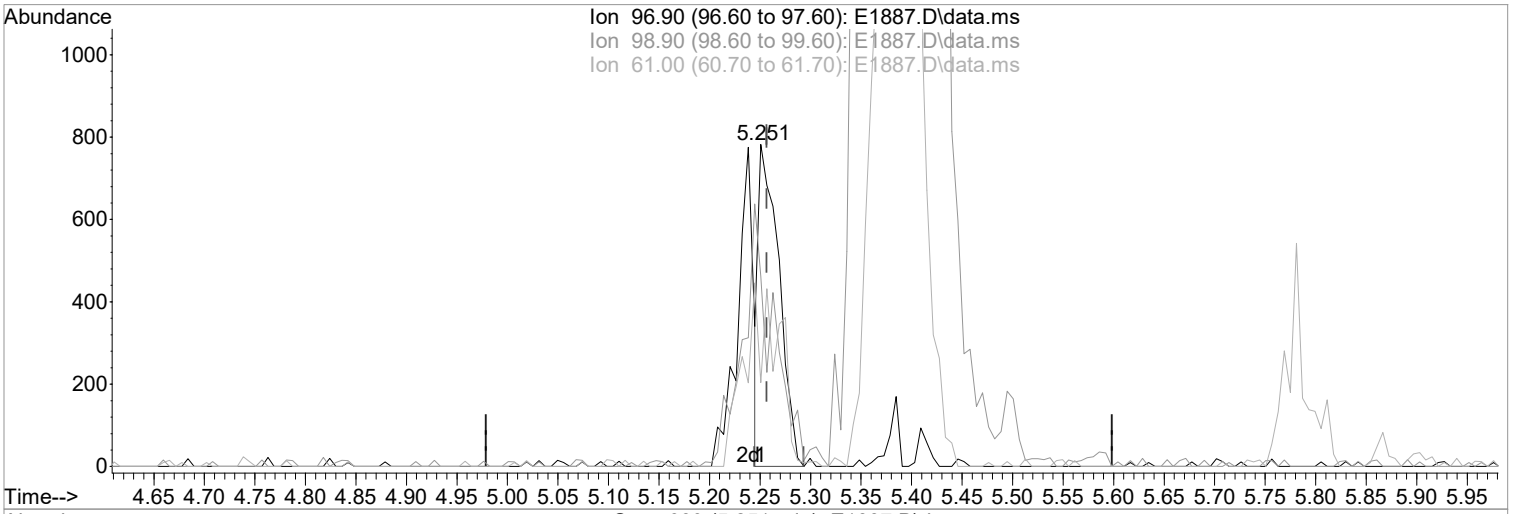
06/17/19

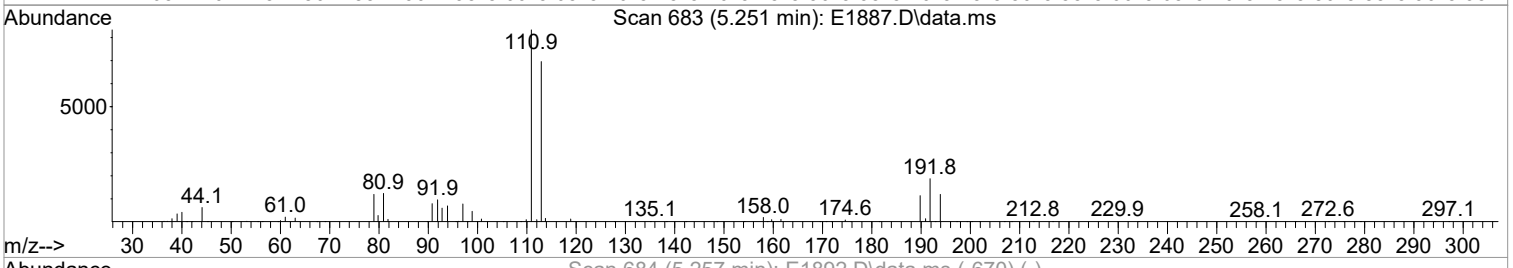
1st DL 06/17/19
2nd FW 06/18/19

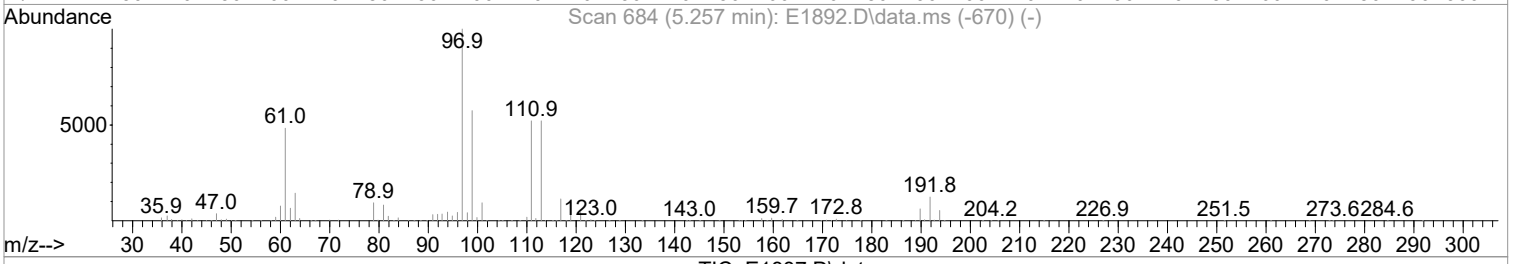
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1887.D
Acq On : 16 Jun 2019 12:36 pm
Operator : D.LIPANI
Sample : STD #1-0.5 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 17 08:05:58 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:05:37 2019
Response via : Initial Calibration







TIC: E1887.D\data.ms

(40) 1,1,1-Trichloroethane (P)

5.251min (-0.006) 0.24 ug/L

response 1100

Ion	Exp%	Act%
96.90	100	100
98.90	57.50	59.08
61.00	48.30	26.09#
0.00	0.00	0.00

Manual Integration:

Before

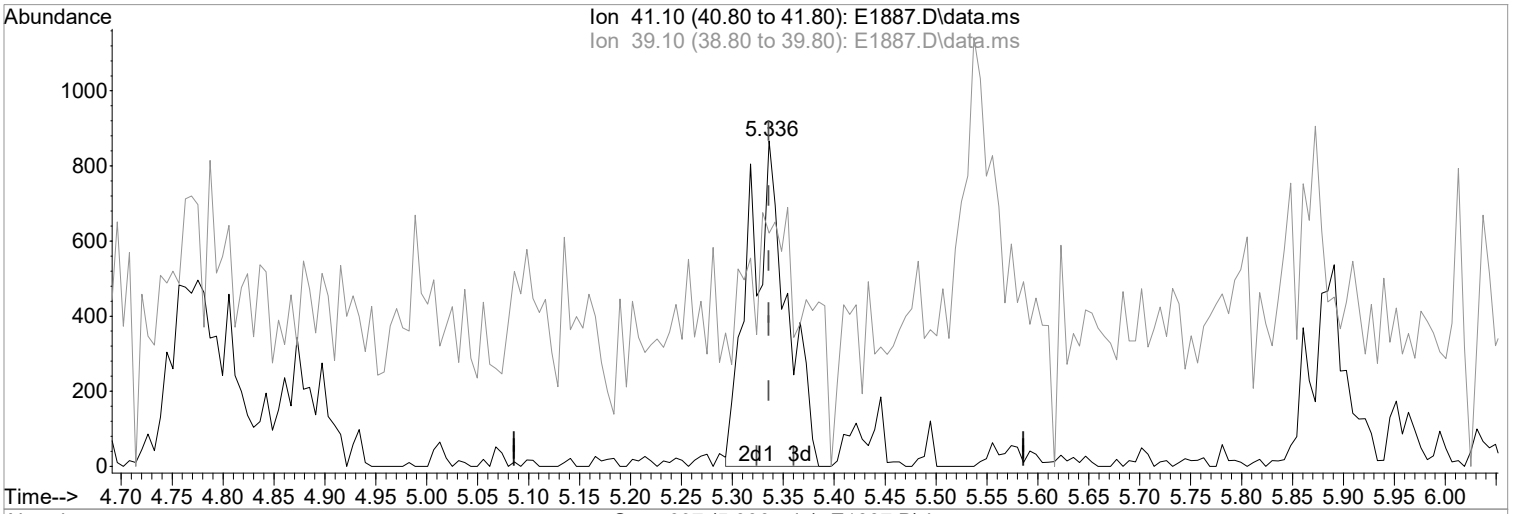
06/17/19

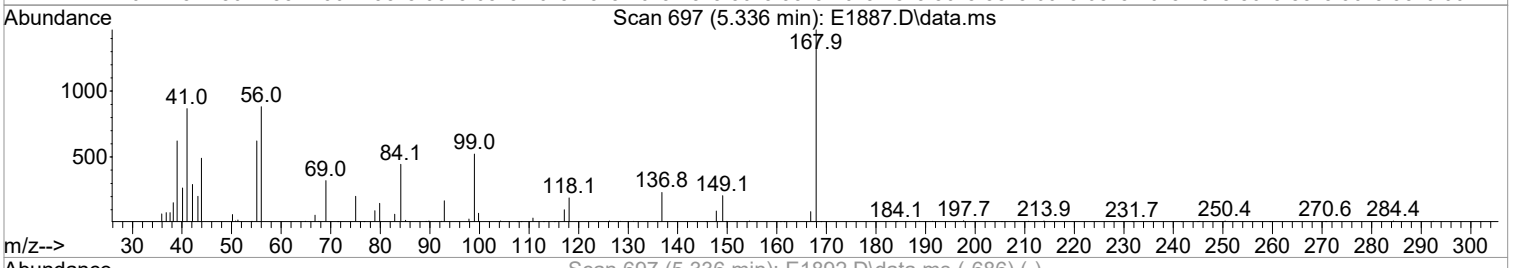
1st DL 06/17/19
2nd FW 06/18/19

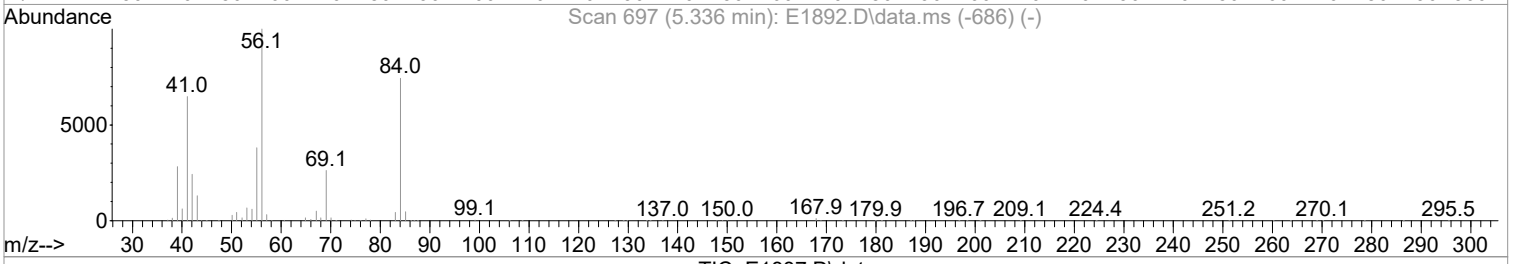
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1887.D
Acq On : 16 Jun 2019 12:36 pm
Operator : D.LIPANI
Sample : STD #1-0.5 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 17 08:05:58 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:05:37 2019
Response via : Initial Calibration







TIC: E1887.D\data.ms

(42) Cyclohexane (P)

5.336min (+0.000) 0.62 ug/L m

response 2215

Ion	Exp%	Act%
41.10	100	100
39.10	44.60	71.63#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

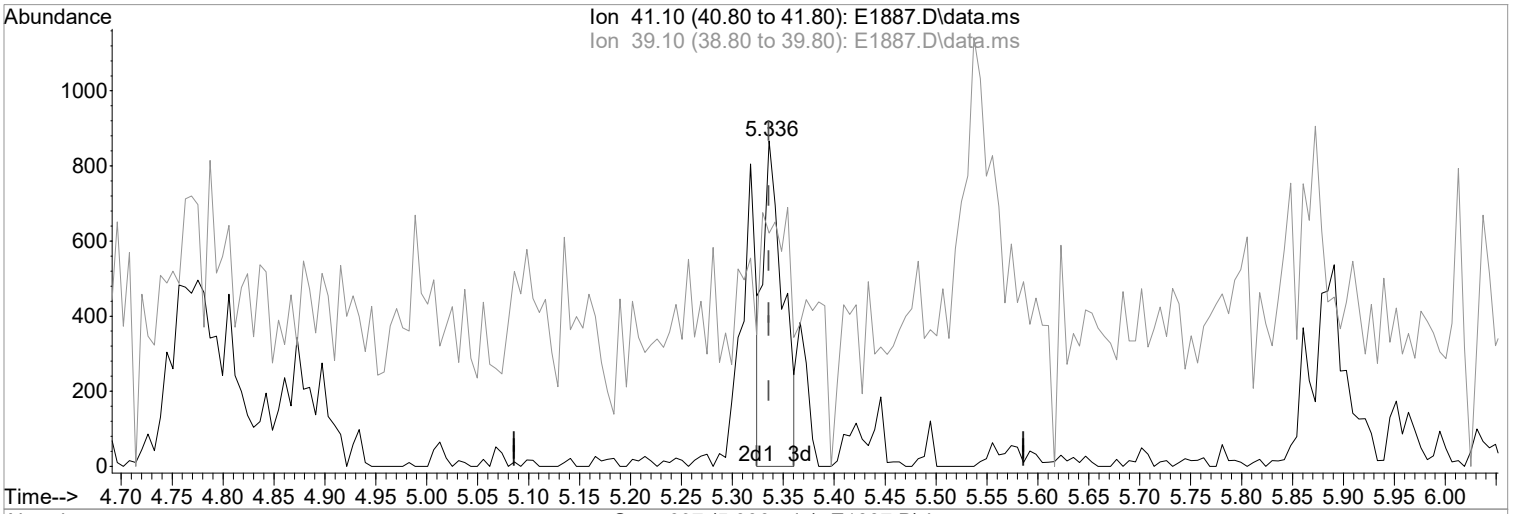
06/17/19

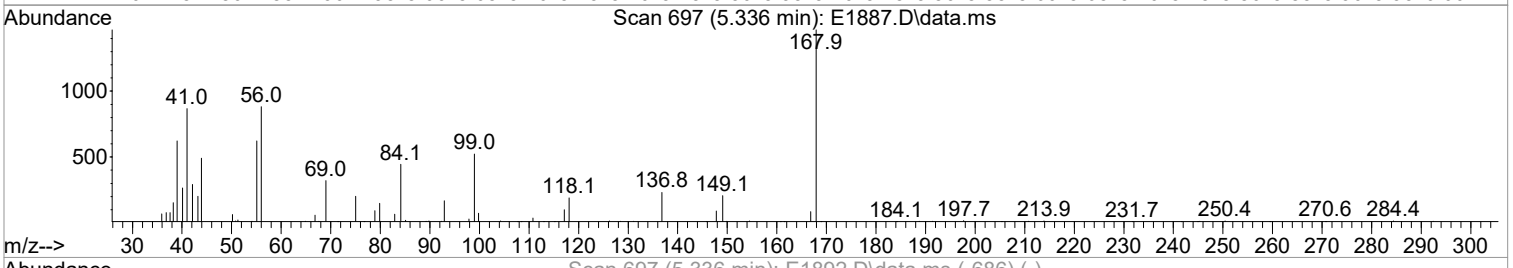
1st DL 06/17/19
2nd FW 06/18/19

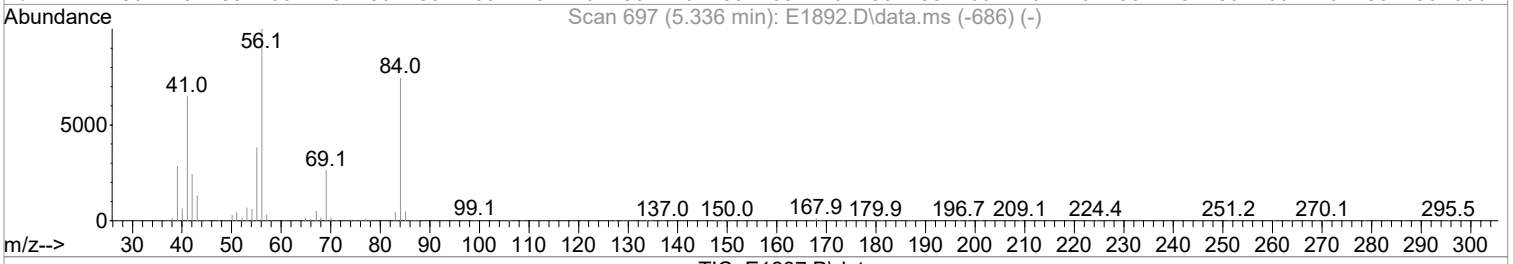
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1887.D
Acq On : 16 Jun 2019 12:36 pm
Operator : D.LIPANI
Sample : STD #1-0.5 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 17 08:05:58 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:05:37 2019
Response via : Initial Calibration







TIC: E1887.D\data.ms

(42) Cyclohexane (P)

5.336min (+0.000) 0.32 ug/L

response 1159

Ion	Exp%	Act%
41.10	100	100
39.10	44.60	71.63#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

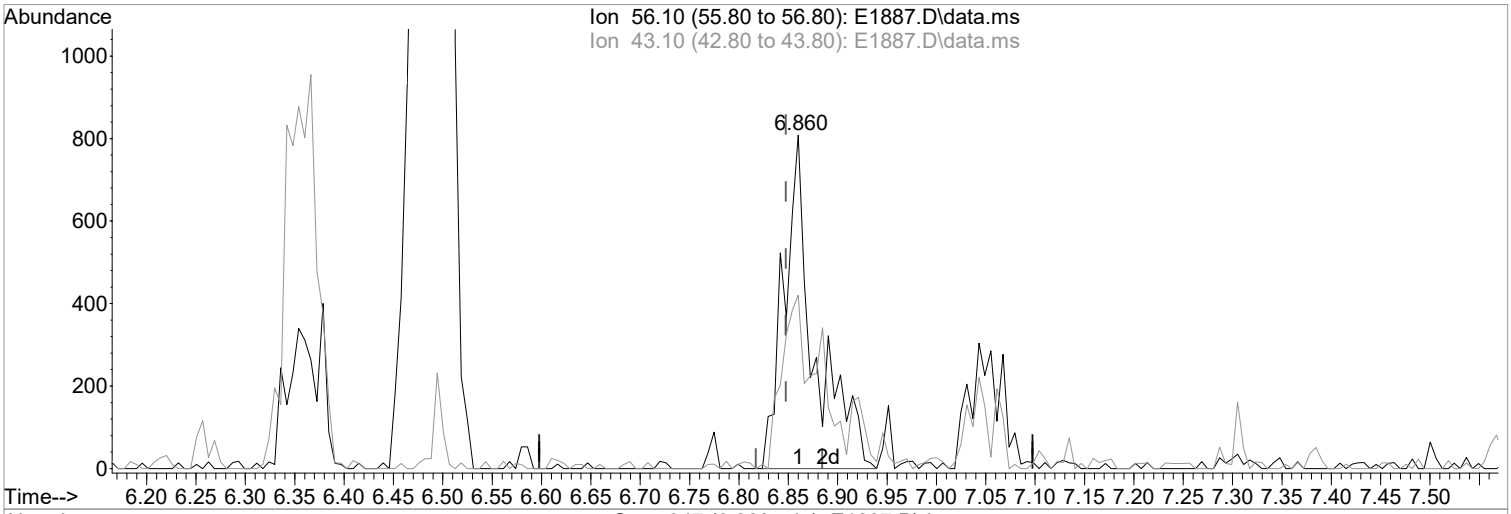
06/17/19

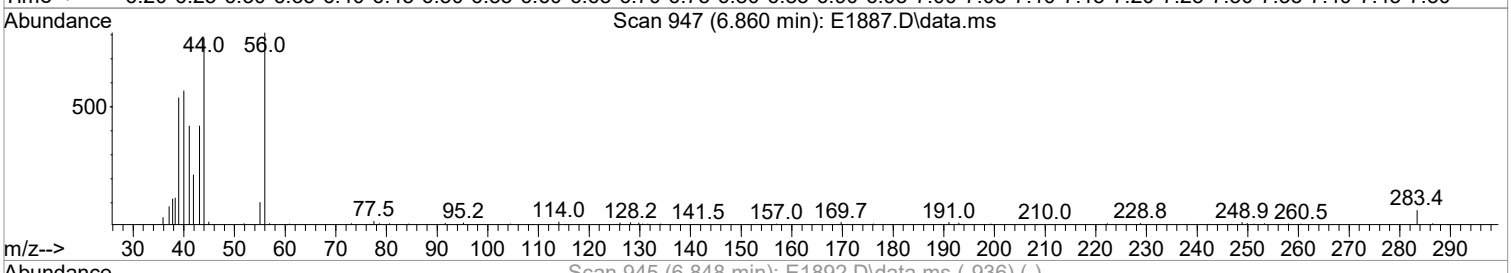
1st DL 06/17/19
2nd FW 06/18/19

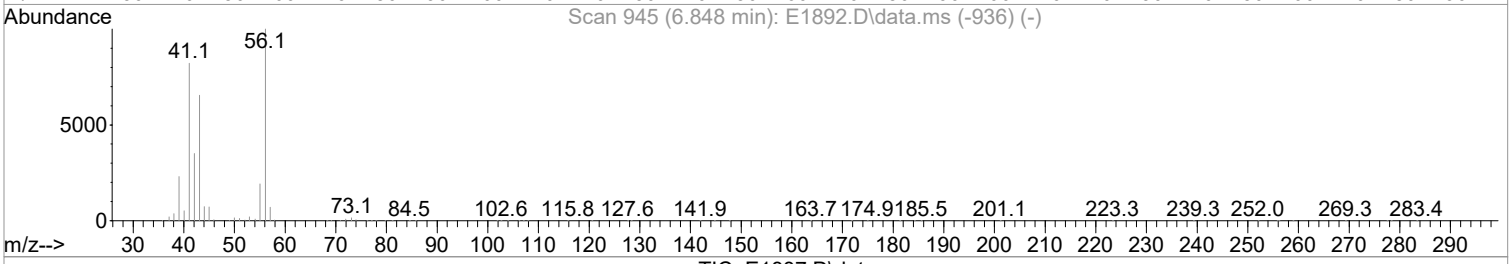
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1887.D
Acq On : 16 Jun 2019 12:36 pm
Operator : D.LIPANI
Sample : STD #1-0.5 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 17 08:05:58 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:05:37 2019
Response via : Initial Calibration







TIC: E1887.D\data.ms

(52) 1-Butanol

6.860min (+0.012) 11.91 ug/L m

response 1754

Ion	Exp%	Act%
56.10	100	100
43.10	65.60	51.98
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

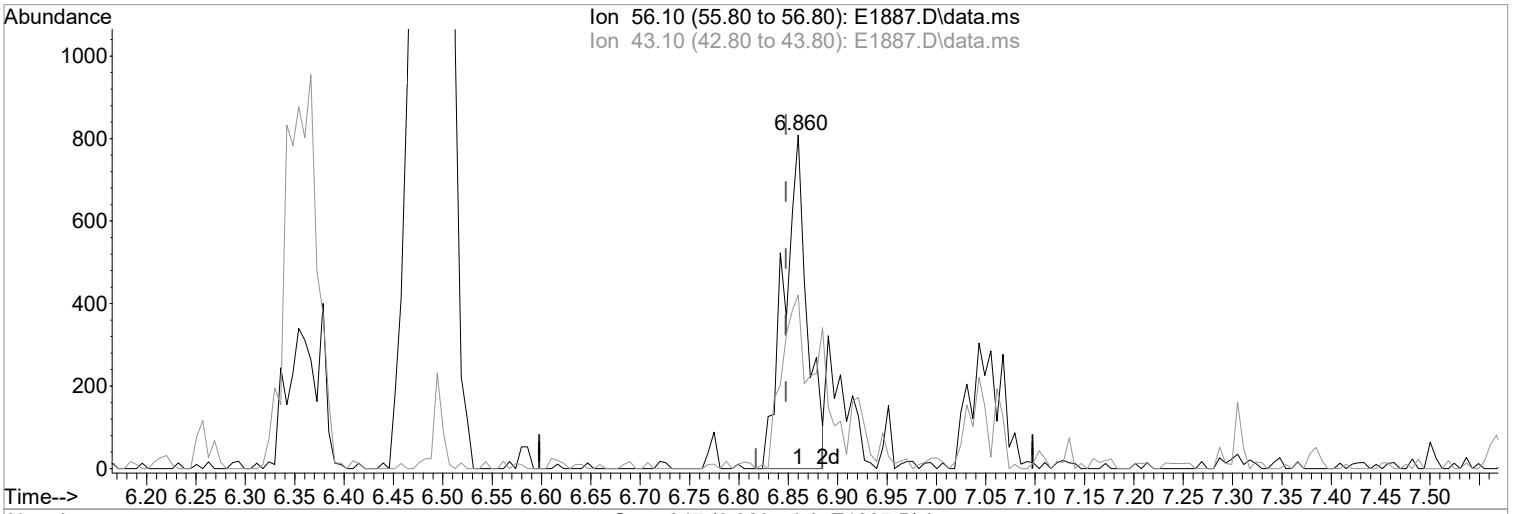
06/17/19

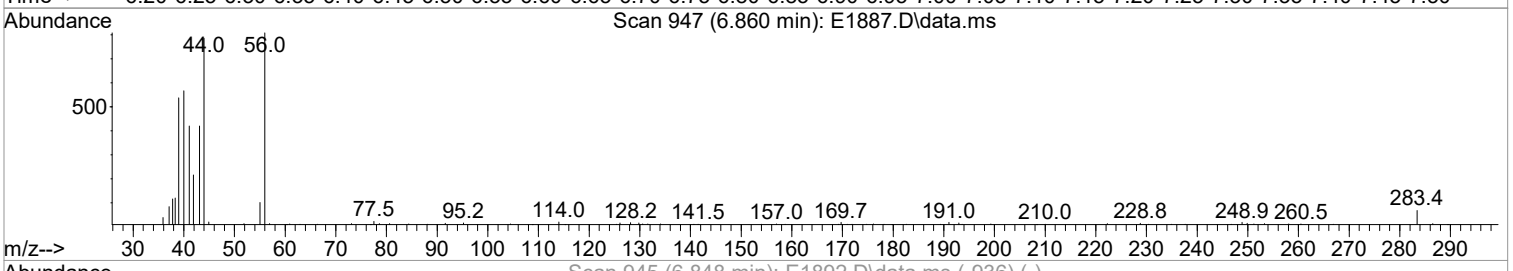
1st DL 06/17/19
2nd FJ 06/18/19

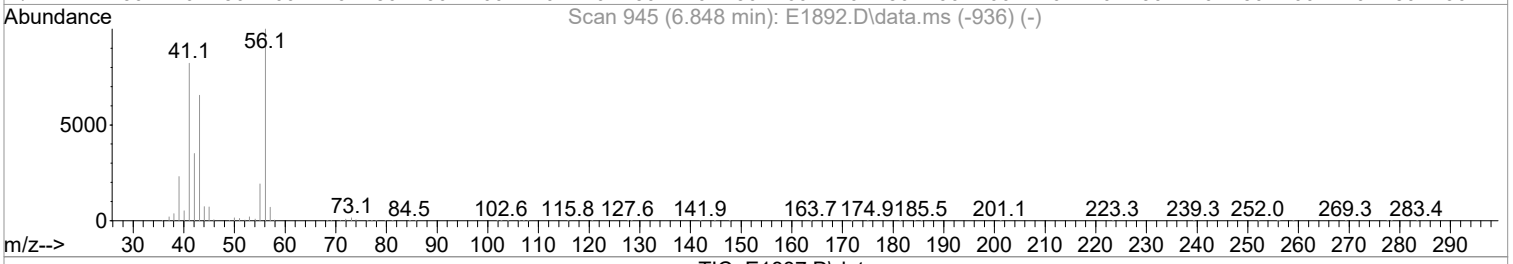
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1887.D
Acq On : 16 Jun 2019 12:36 pm
Operator : D.LIPANI
Sample : STD #1-0.5 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 17 08:05:58 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:05:37 2019
Response via : Initial Calibration







TIC: E1887.D\data.ms

(52) 1-Butanol

6.860min (+0.012) 9.00 ug/L

response 1325

Ion	Exp%	Act%
56.10	100	100
43.10	65.60	51.98
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

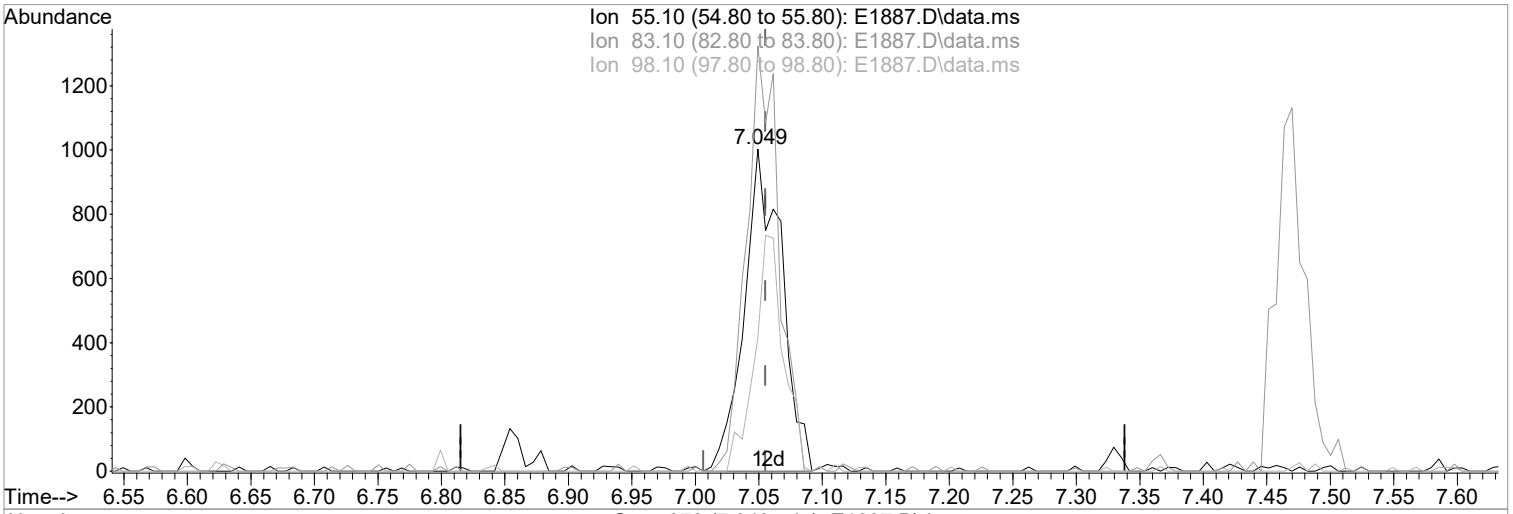
06/17/19

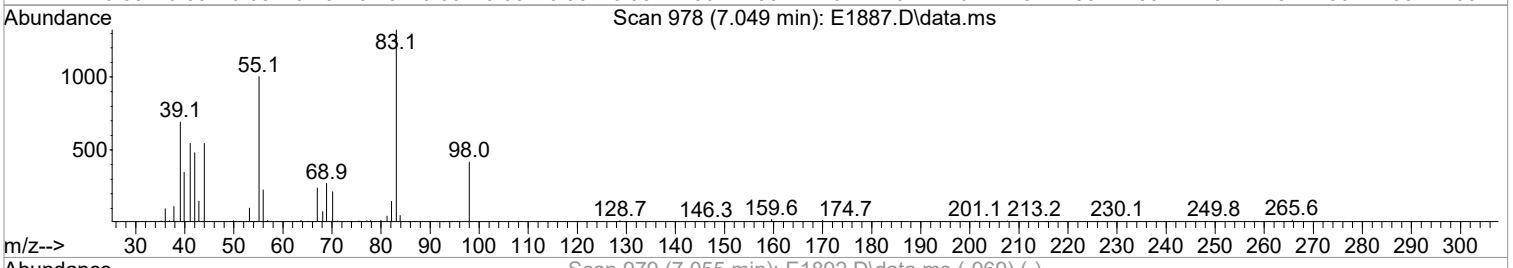
1st DL 06/17/19
2nd FW 06/18/19

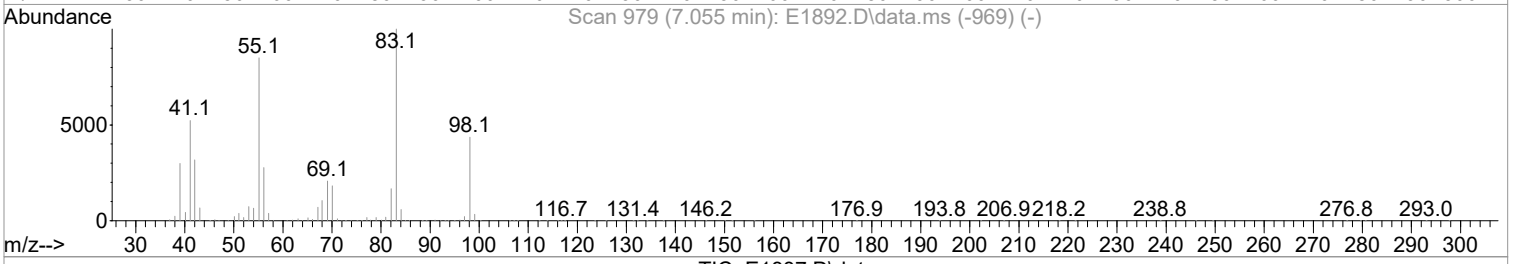
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1887.D
Acq On : 16 Jun 2019 12:36 pm
Operator : D.LIPANI
Sample : STD #1-0.5 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 17 08:05:58 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:05:37 2019
Response via : Initial Calibration







TIC: E1887.D\data.ms

(54) Methylcyclohexane (P)

7.049min (-0.006) 0.48 ug/L m

response 2050

Ion	Exp%	Act%
55.10	100	100
83.10	117.20	132.04
98.10	51.10	41.62
0.00	0.00	0.00

Manual Integration:

After

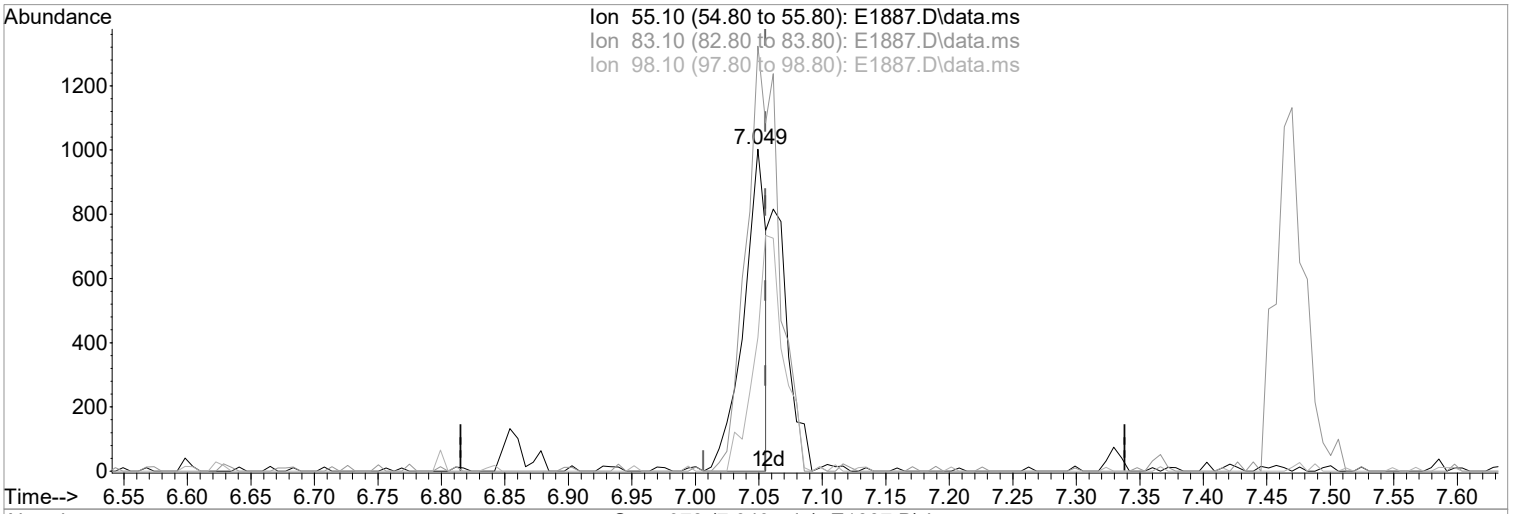
Poor integration.

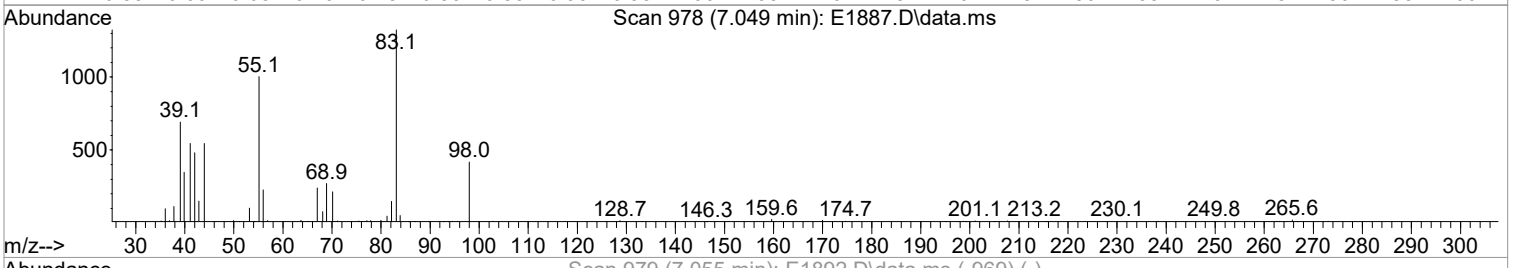
06/17/19

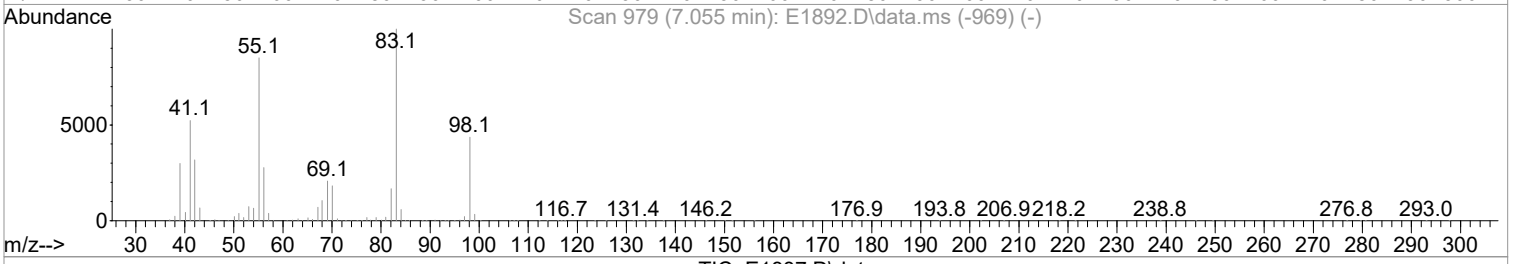
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1887.D
Acq On : 16 Jun 2019 12:36 pm
Operator : D.LIPANI
Sample : STD #1-0.5 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 17 08:05:58 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:05:37 2019
Response via : Initial Calibration







TIC: E1887.D\data.ms

(54) Methylcyclohexane (P)

7.049min (-0.006) 0.29 ug/L

response 1227

Ion	Exp%	Act%
55.10	100	100
83.10	117.20	132.04
98.10	51.10	41.62
0.00	0.00	0.00

Manual Integration:

Before

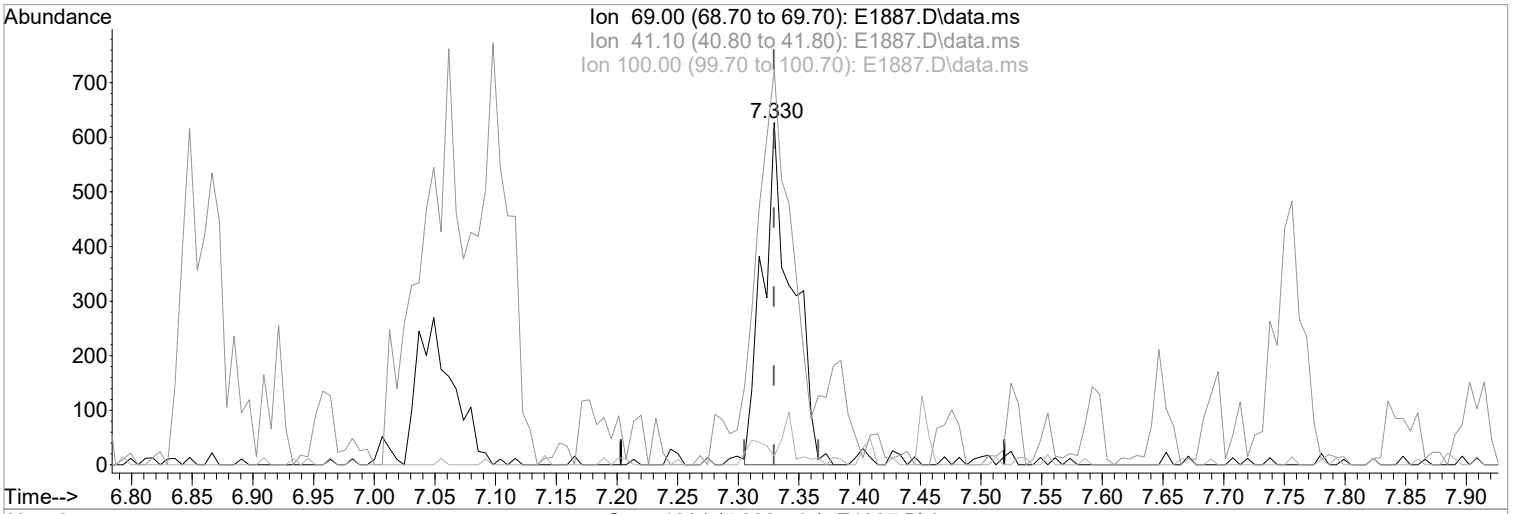
06/17/19

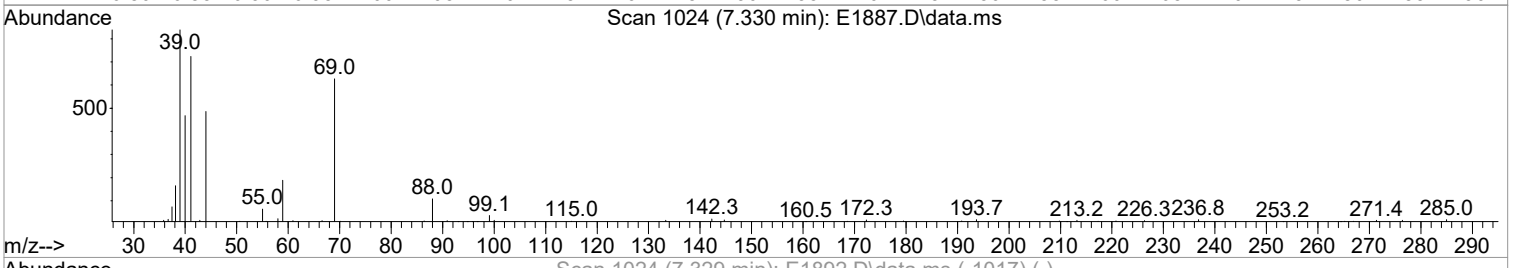
1st DL 06/17/19
2nd FJ 06/18/19

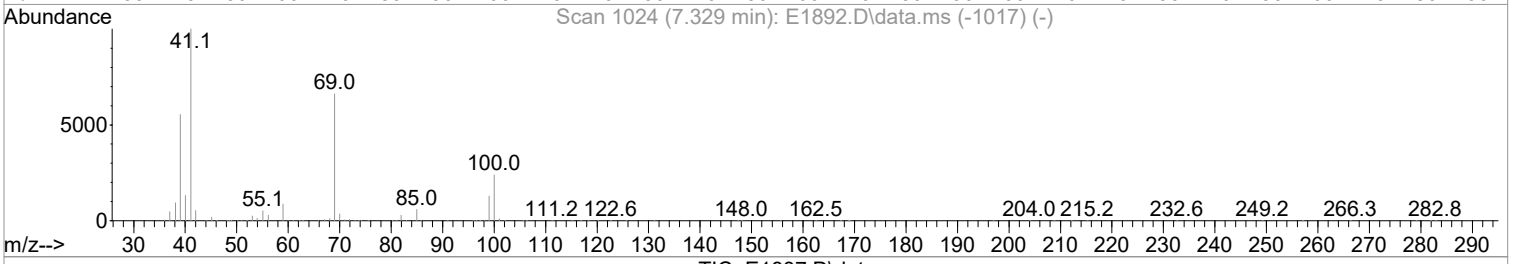
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1887.D
Acq On : 16 Jun 2019 12:36 pm
Operator : D.LIPANI
Sample : STD #1-0.5 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 17 08:21:32 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:05:37 2019
Response via : Initial Calibration







TIC: E1887.D\data.ms

(58) Methyl Methacrylate

7.330min (+0.000) 0.39 ug/L m

response 1061

Ion	Exp%	Act%
69.00	100	100
41.10	153.30	115.31#
100.00	36.20	2.55#
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

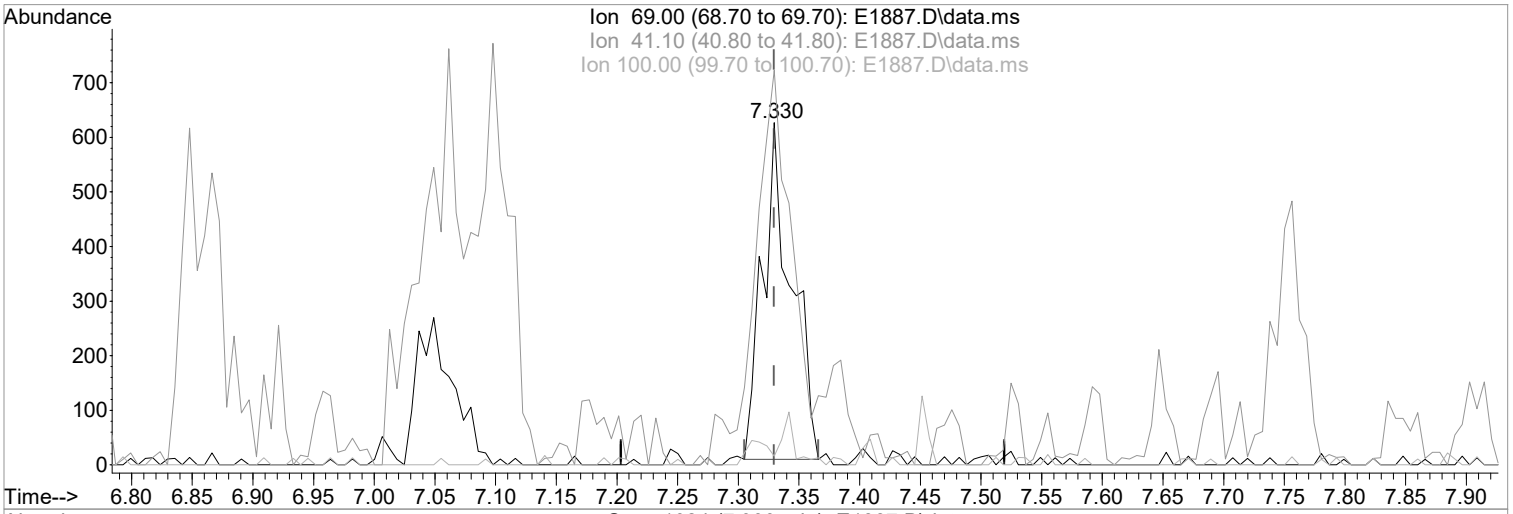
06/17/19

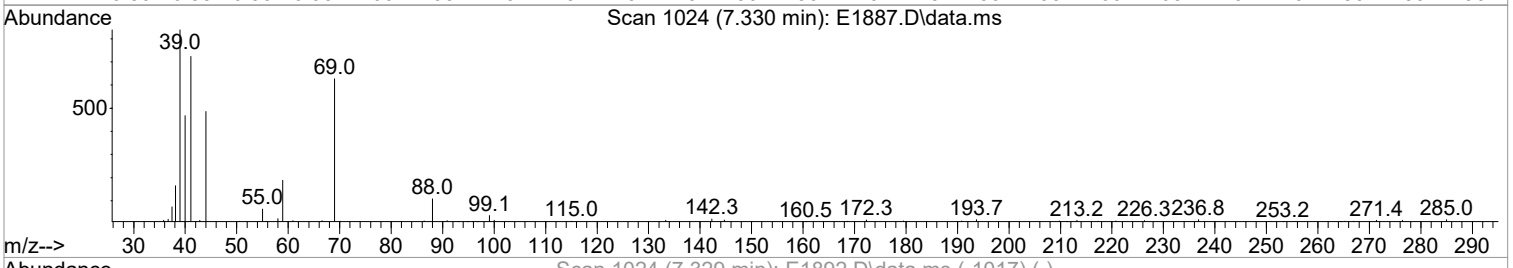
1st DL 06/17/19
2nd FW 06/18/19

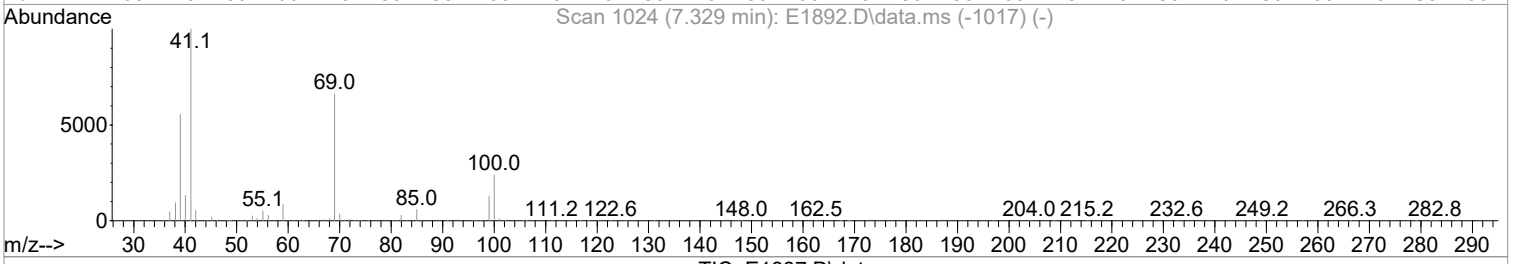
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1887.D
Acq On : 16 Jun 2019 12:36 pm
Operator : D.LIPANI
Sample : STD #1-0.5 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 17 08:21:32 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:05:37 2019
Response via : Initial Calibration







TIC: E1887.D\data.ms

(58) Methyl Methacrylate

7.330min (+0.000) 0.38 ug/L

response 1017

Ion	Exp%	Act%
69.00	100	100
41.10	153.30	115.31#
100.00	36.20	2.55#
0.00	0.00	0.00

Manual Integration:

Before

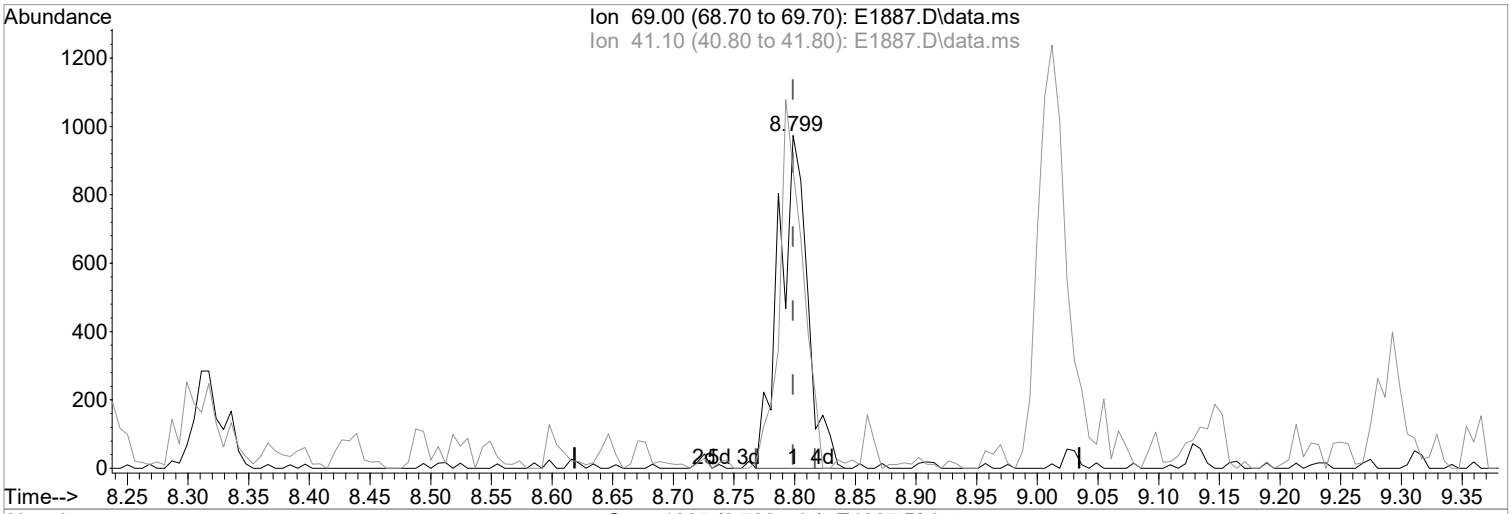
06/17/19

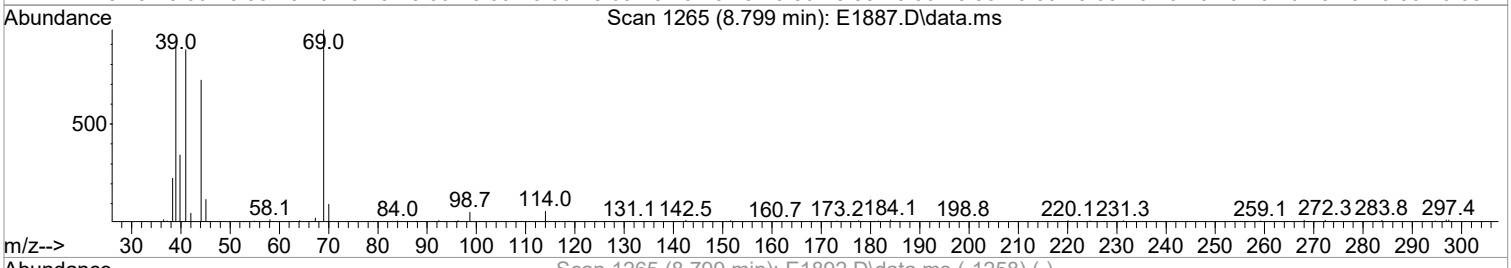
1st DL 06/17/19
2nd FJ 06/18/19

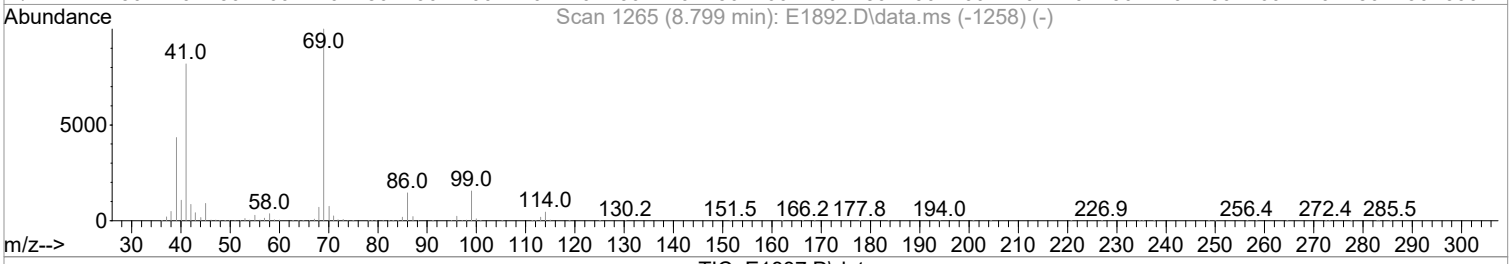
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1887.D
Acq On : 16 Jun 2019 12:36 pm
Operator : D.LIPANI
Sample : STD #1-0.5 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 17 08:05:58 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:05:37 2019
Response via : Initial Calibration







TIC: E1887.D\data.ms

(67) Ethyl Methacrylate

8.799min (+0.000) 0.33 ug/L m

response 1593

Ion	Exp%	Act%
69.00	100	100
41.10	82.00	89.72
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

06/17/19

1st DL 06/17/19
2nd FW 06/18/19

Quantitation Report (Qedit)

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Acq On : 16 Jun 2019 12:36 pm
Operator : D.LIPANI
Sample : STD #1-0.5 PPB STD Inst : MSVOA10
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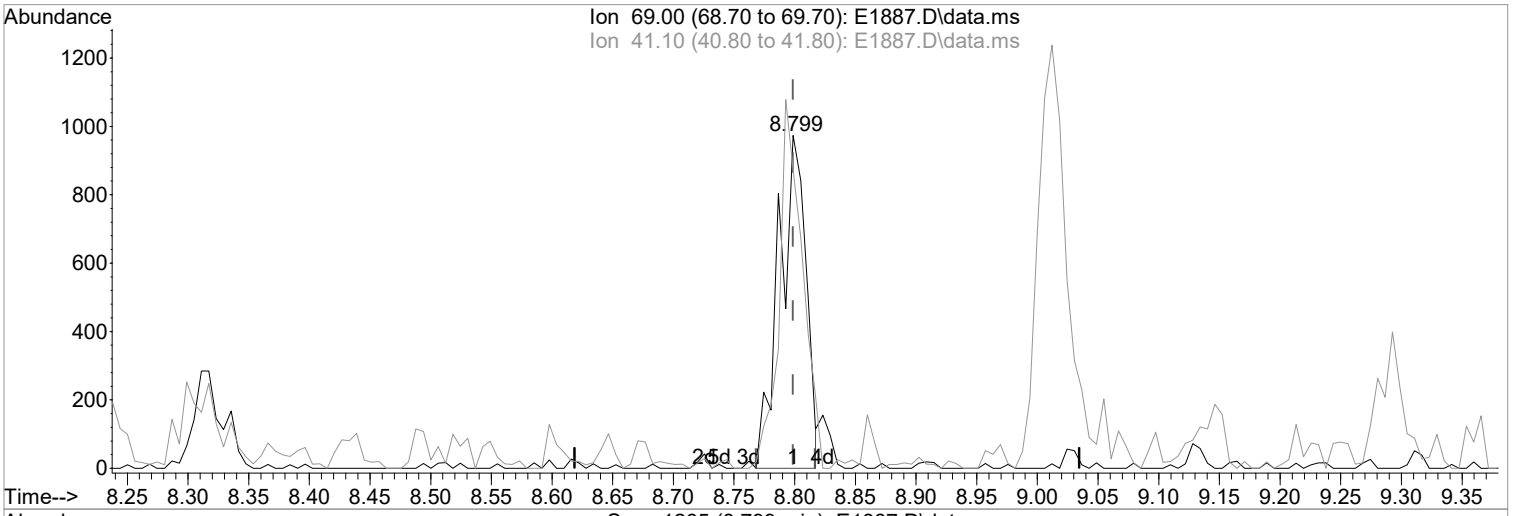
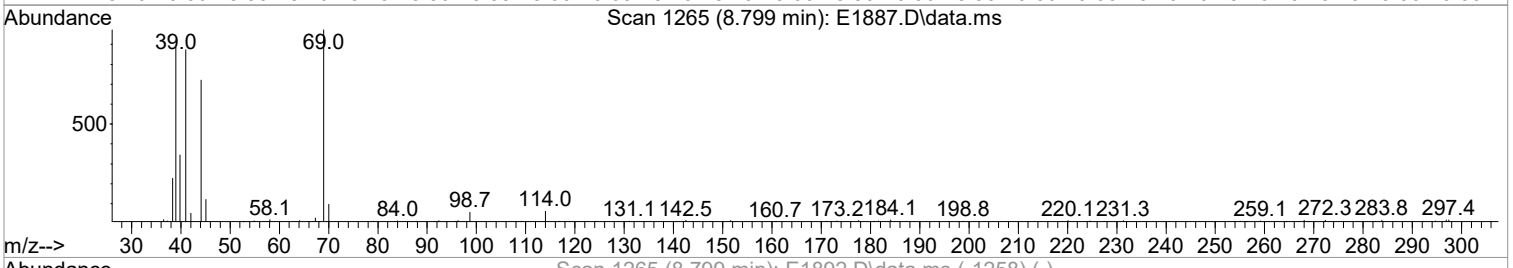
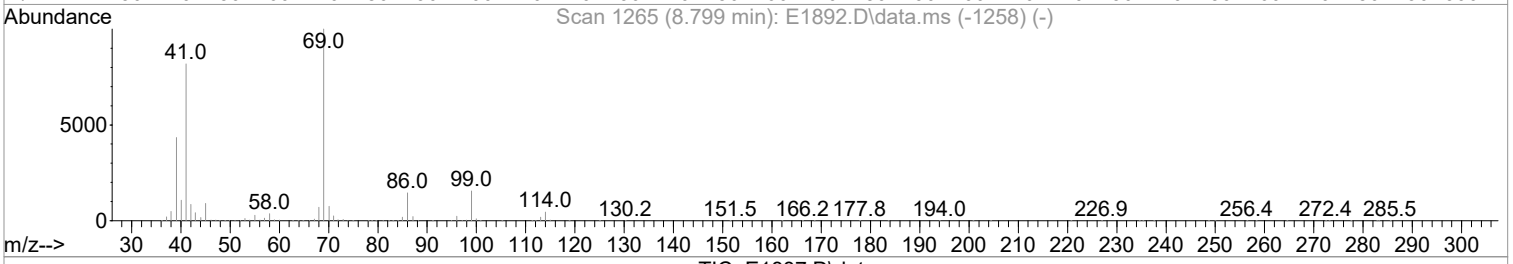
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 17 08:05:58 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:05:37 2019
Response via : Initial Calibration







TIC: E1887.D\data.ms

(67) Ethyl Methacrylate

8.799min (+0.000) 0.31 ug/L

response 1497

Ion	Exp%	Act%
69.00	100	100
41.10	82.00	89.72
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

06/17/19

Quantitation Report (QT Reviewed)

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Data File : E1887.D
Acq On : 16 Jun 2019 12:36 pm
Operator : D.LIPANI
Sample : STD #1-0.5 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 17 08:32:47 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:05:37 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.391	168	273003	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.488	114	398916	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	350742	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	185432	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.232	113	26203	10.05	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 20.10%#				
46) surr1,1,2-dichloroetha...	5.787	65	35366	9.73	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 19.46%#				
64) SURR3,Toluene-d8	8.311	98	104035	9.65	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 19.30%#				
69) SURR2,BFB	10.878	95	35894	8.72	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 17.44%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.154	85	1814	0.47	ug/L		95
3) Chloromethane	1.288	50	3039	0.57	ug/L		74
4) Vinyl Chloride	1.355	62	1983	0.42	ug/L		97
5) Bromomethane	1.587	94	1995	0.51	ug/L		88
6) Chloroethane	1.666	64	1852	0.65	ug/L		76
7) Freon 21	1.812	67	2488	0.37	ug/L		80
8) Trichlorofluoromethane	1.861	101	1766	0.38	ug/L		97
9) Diethyl Ether	2.099	59	1655	0.54	ug/L	#	74
10) Freon 123a	2.093	67	1856	0.47	ug/L		89
11) Freon 123	2.148	83	2198	0.53	ug/L		97
12) Acrolein	2.190	56	1724	2.24	ug/L	#	65
13) 1,1-Diclethene	2.282	96	1315	0.46	ug/L	#	69
14) Freon 113	2.282	101	1444	0.56	ug/L	#	68
15) Acetone	2.331	43	1441	0.78	ug/L		85
16) 2-Propanol	2.465	45	2537m	6.57	ug/L		
18) Carbon Disulfide	2.477	76	4436	0.52	ug/L		94
19) Acetonitrile	2.593	41	1455m	2.21	ug/L		
20) Allyl Chloride	2.623	76	628	0.37	ug/L	#	82
21) Methyl Acetate	2.648	43	2201	0.56	ug/L		81
22) Methylene Chloride	2.739	84	1778m	0.53	ug/L		
23) TBA	2.861	59	2873	4.97	ug/L		93
24) Acrylonitrile	2.995	53	3227	1.77	ug/L		93
25) Methyl-t-Butyl Ether	3.038	73	4038	0.38	ug/L		93
26) trans-1,2-Dichloroethene	3.032	96	1384	0.46	ug/L	#	83
27) 1,1-Diclethane	3.532	63	3062	0.48	ug/L		92
29) DIPE	3.647	45	5530	0.46	ug/L		81
30) 2-Chloro-1,3-Butadiene	3.660	53	2247m	0.44	ug/L		
31) ETBE	4.190	59	4045	0.39	ug/L		92
32) 2,2-Dichloropropane	4.355	77	1612	0.32	ug/L		71
33) cis-1,2-Dichloroethene	4.373	96	1807m	0.54	ug/L		
34) 2-Butanone	4.440	43	1478	0.60	ug/L		93
35) Propionitrile	4.525	54	1345	1.84	ug/L		61
36) Bromochloromethane	4.757	130	1088m	0.55	ug/L		
37) Methacrylonitrile	4.769	67	858	0.45	ug/L	#	50
38) Tetrahydrofuran	4.873	42	922	0.54	ug/L	#	58
39) Chloroform	4.952	83	2310m	0.41	ug/L		
40) 1,1,1-Trichloroethane	5.251	97	1943m	0.42	ug/L		
42) Cyclohexane	5.336	41	2215m	0.62	ug/L		
44) Carbontetrachloride	5.531	117	1399	0.41	ug/L	#	67

Quantitation Report (QT Reviewed)

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Operator : D.LIPANI
Sample : STD #1-0.5 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 17 08:32:47 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:05:37 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
45) 1,1-Dichloropropene	5.543	75	2155	0.52 ug/L	85
47) Benzene	5.860	78	6280	0.51 ug/L	96
48) 1,2-Dichloroethane	5.903	62	2133	0.44 ug/L	88
49) Iso-Butyl Alcohol	5.885	43	1211	4.64 ug/L	96
50) TAME	6.098	73	3655	0.41 ug/L	97
51) n-Heptane	6.366	43	2095	0.46 ug/L	90
52) 1-Butanol	6.860	56	1754m	11.91 ug/L	
53) Trichloroethene	6.811	130	1650	0.54 ug/L #	59
54) Methylcyclohexane	7.049	55	2050m	0.48 ug/L	
55) 1,2-Diclpropane	7.098	63	1776	0.52 ug/L	67
56) Dibromomethane	7.232	93	1070	0.55 ug/L #	62
57) 1,4-Dioxane	7.311	88	495	8.81 ug/L #	24
58) Methyl Methacrylate	7.330	69	1061m	0.39 ug/L	
59) Bromodichloromethane	7.470	83	1861	0.49 ug/L	76
60) 2-Nitropropane	7.756	41	787	0.68 ug/L #	49
61) 2-Chloroethylvinyl Ether	7.884	63	838	0.47 ug/L	71
62) cis-1,3-Dichloropropene	8.018	75	1957	0.39 ug/L	96
63) 4-Methyl-2-pentanone	8.226	43	1981	0.45 ug/L	99
65) Toluene	8.384	91	6534	0.51 ug/L	83
66) trans-1,3-Dichloropropene	8.659	75	1306	0.28 ug/L	87
67) Ethyl Methacrylate	8.799	69	1593m	0.33 ug/L	
68) 1,1,2-Trichloroethane	8.841	97	1308	0.46 ug/L #	81
71) Tetrachloroethene	8.982	164	1137	0.50 ug/L #	80
72) 2-Hexanone	9.140	43	1173	0.35 ug/L #	73
73) 1,3-Dichloropropane	9.012	76	2720	0.54 ug/L	87
74) Dibromochloromethane	9.238	129	1402	0.51 ug/L #	69
75) N-Butyl Acetate	9.293	43	2127	0.32 ug/L	85
76) 1,2-Dibromoethane	9.335	107	1093	0.39 ug/L	89
77) 3-Chlorobenzotrifluoride	9.847	180	2223	0.55 ug/L	88
78) Chlorobenzene	9.829	112	3732	0.47 ug/L	98
79) 4-Chlorobenzotrifluoride	9.902	180	2014	0.56 ug/L	80
80) 1,1,1,2-Tetrachloroethane	9.914	131	1311	0.50 ug/L #	83
81) Ethylbenzene	9.951	106	1965	0.48 ug/L #	77
82) (m+p)Xylene	10.061	106	5225	0.99 ug/L #	86
83) o-Xylene	10.414	106	2354	0.46 ug/L	89
84) Styrene	10.433	104	3769	0.44 ug/L	96
85) Bromoform	10.585	173	514	0.28 ug/L #	49
86) 2-Chlorobenzotrifluoride	10.664	180	2234	0.56 ug/L	83
87) Isopropylbenzene	10.756	105	5871	0.44 ug/L	92
88) Cyclohexanone	10.817	55	5321	7.21 ug/L	98
89) trans-1,4-Dichloro-2-B...	11.067	53	342	0.29 ug/L	77
91) 1,1,2,2-Tetrachloroethane	11.006	83	1904	0.46 ug/L #	66
92) Bromobenzene	11.000	156	1835	0.56 ug/L	94
93) 1,2,3-Trichloropropane	11.048	110	538	0.43 ug/L #	73
94) n-Propylbenzene	11.109	91	7044	0.43 ug/L	94
95) 2-Chlorotoluene	11.170	91	4316	0.45 ug/L	96
96) 3-Chlorotoluene	11.225	91	4614	0.48 ug/L	98
97) 4-Chlorotoluene	11.268	91	4666	0.42 ug/L	98
98) 1,3,5-Trimethylbenzene	11.268	105	4835	0.44 ug/L	93
99) tert-Butylbenzene	11.536	119	4365	0.46 ug/L	95
100) 1,2,4-Trimethylbenzene	11.579	105	4914	0.44 ug/L	93
101) 3,4-Dichlorobenzotrifl...	11.634	214	1710	0.50 ug/L	88
102) sec-Butylbenzene	11.719	105	6070	0.43 ug/L	98
103) p-Isopropyltoluene	11.841	119	4936	0.42 ug/L	93
104) 1,3-Dclbenz	11.798	146	3061	0.48 ug/L	89
105) 1,4-Dclbenz	11.877	146	2700	0.41 ug/L #	78

Quantitation Report (QT Reviewed)

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Sample : STD #1-0.5 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 17 08:32:47 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:05:37 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
106) 2,4-Dichlorobenzotrifl...	11.926	214	1524	0.49	ug/L		89
107) 2,5-Dichlorobenzotrifl...	11.963	214	2018	0.62	ug/L		95
108) n-Butylbenzene	12.170	91	4791	0.42	ug/L		89
109) 1,2-Dclbenz	12.170	146	3075	0.49	ug/L		92
111) Trielution Dichlorotol...	12.908	125	7199	1.33	ug/L		94
112) 1,3,5-Trichlorobenzene	12.969	180	2391	0.53	ug/L		91
113) Coelution Dichlorotoluene	13.243	125	4694	0.79	ug/L		90
114) 1,2,4-Tcbenzene	13.450	180	2283	0.49	ug/L		82
115) Hexachlorobt	13.591	225	1053	0.54	ug/L	#	76
116) Naphthalen	13.639	128	4228	0.34	ug/L		86
117) 1,2,3-Tclbenzene	13.834	180	1835	0.41	ug/L		100
118) 2,4,5-Trichlorotoluene	14.414	159	558	0.21	ug/L	#	84
119) 2,3,6-Trichlorotoluene	14.499	159	769	0.26	ug/L	#	74

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

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ALS Vial : 6 Sample Multiplier: 1

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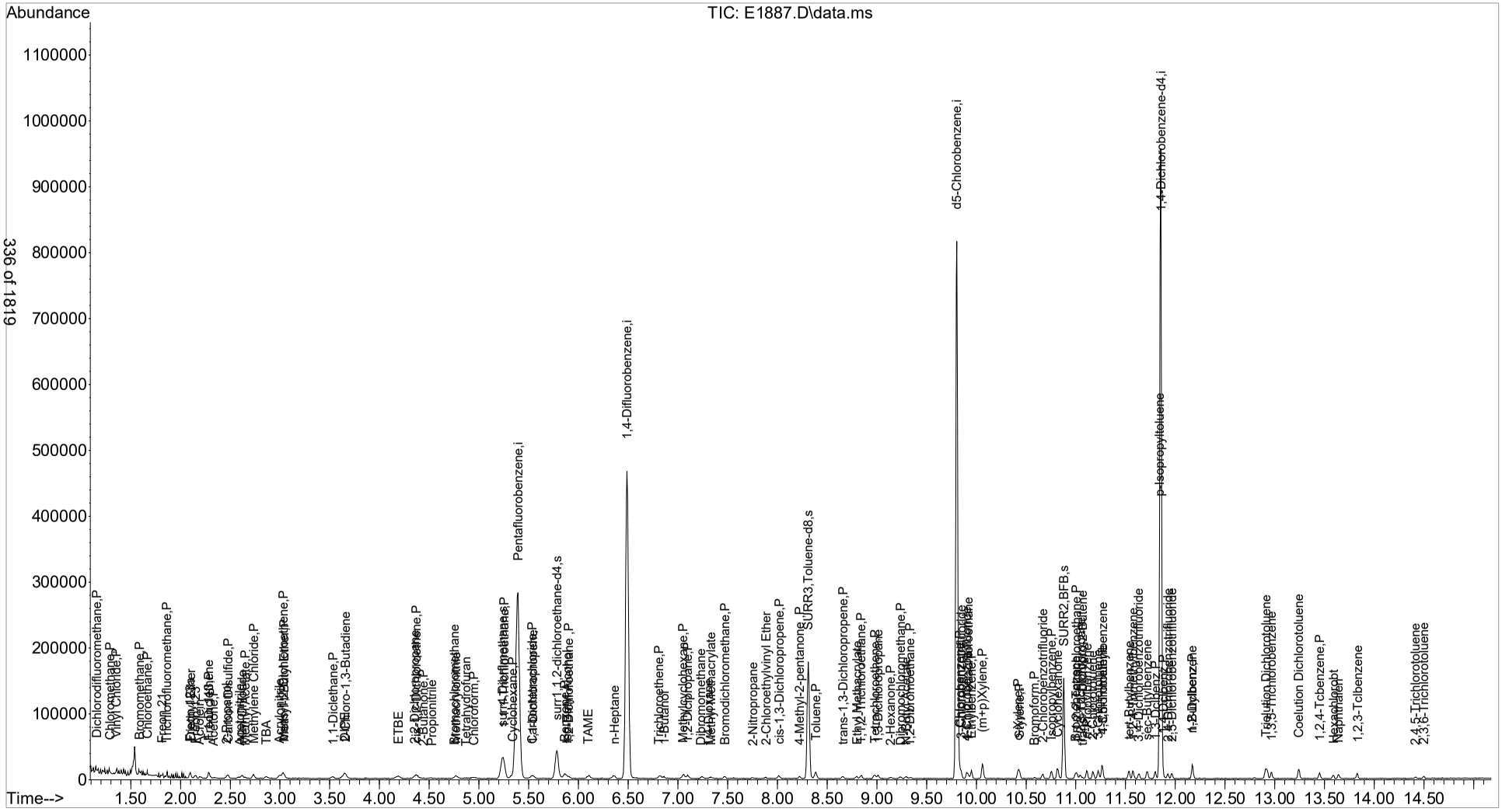


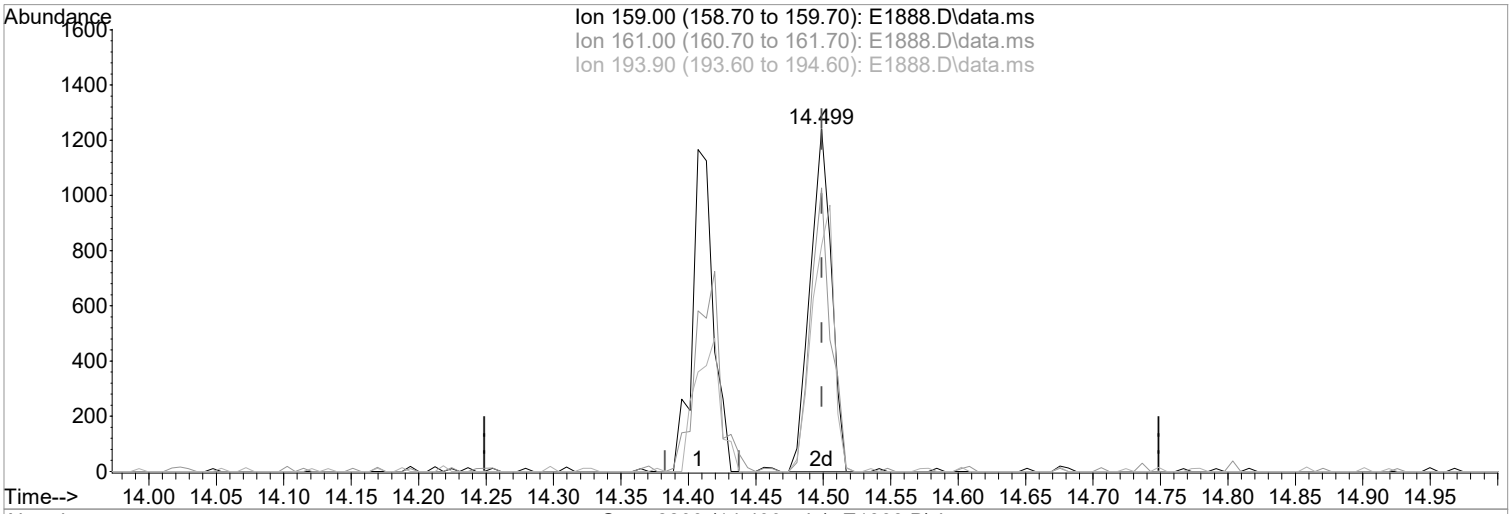
1st 2nd 06/17/19 06/18/19

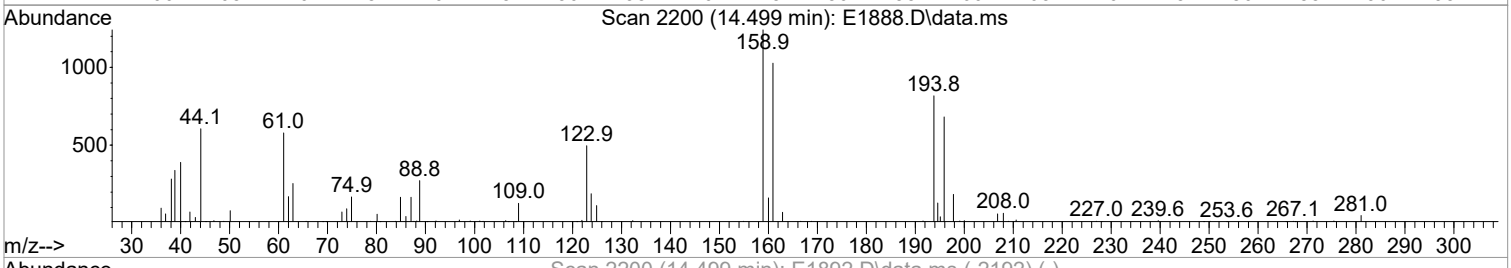
1st DL 06/17/19
2nd FW 06/18/19

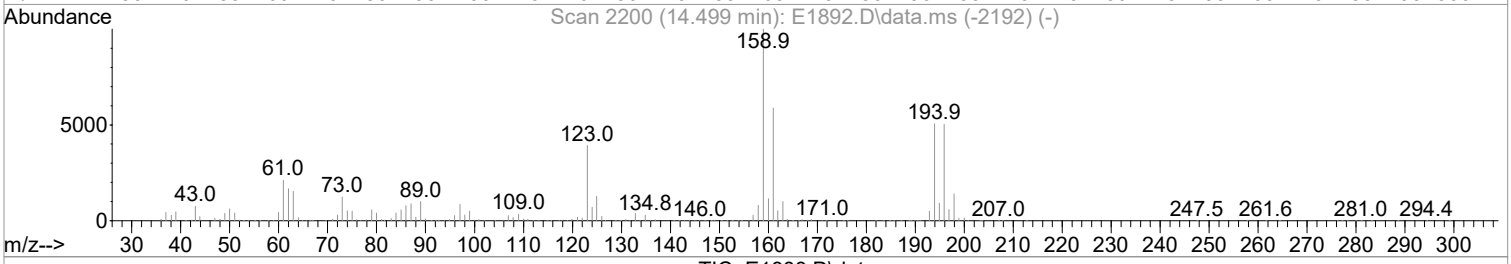
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1888.D
Acq On : 16 Jun 2019 12:58 pm
Operator : D.LIPANI
Sample : STD #2-1.0 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 17 08:23:35 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:23:28 2019
Response via : Initial Calibration







TIC: E1888.D\data.ms

(119) 2,3,6-Trichlorotoluene

14.499min (-0.000) 0.46 ug/L m

response 1370

Ion	Exp%	Act%
159.00	100	100
161.00	58.80	82.82#
193.90	50.60	65.97
0.00	0.00	0.00

Manual Integration:

After

Wrong peak selected.

06/17/19

1st DL 06/17/19
2nd FW 06/18/19

Quantitation Report (Qedit)

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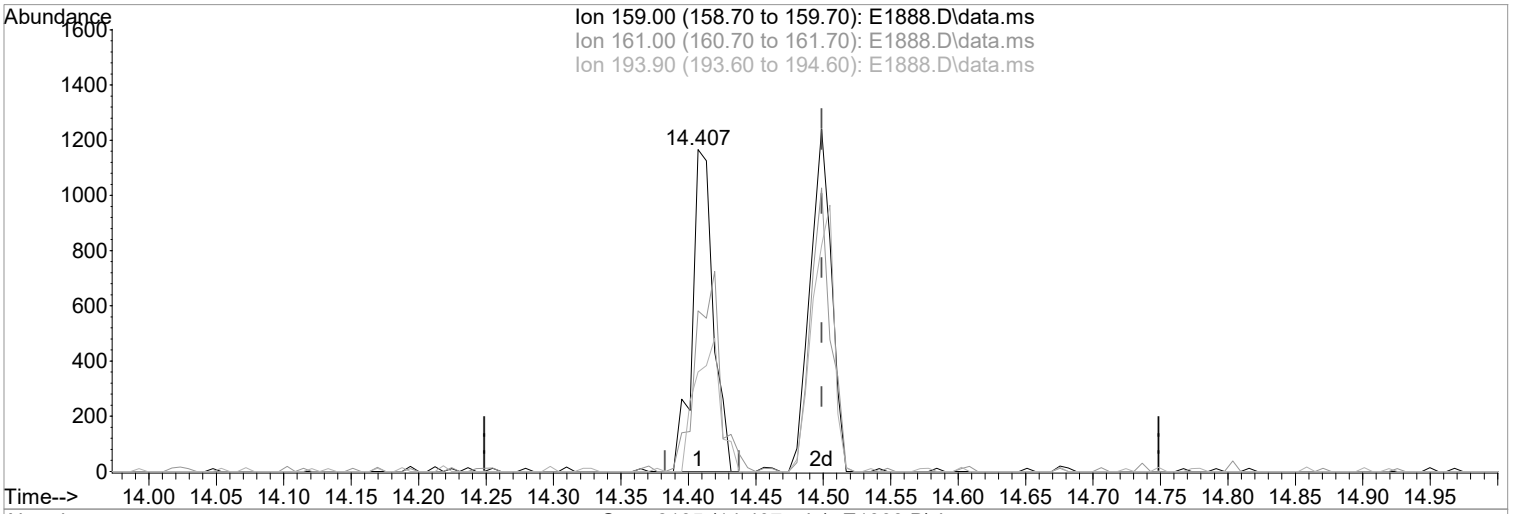

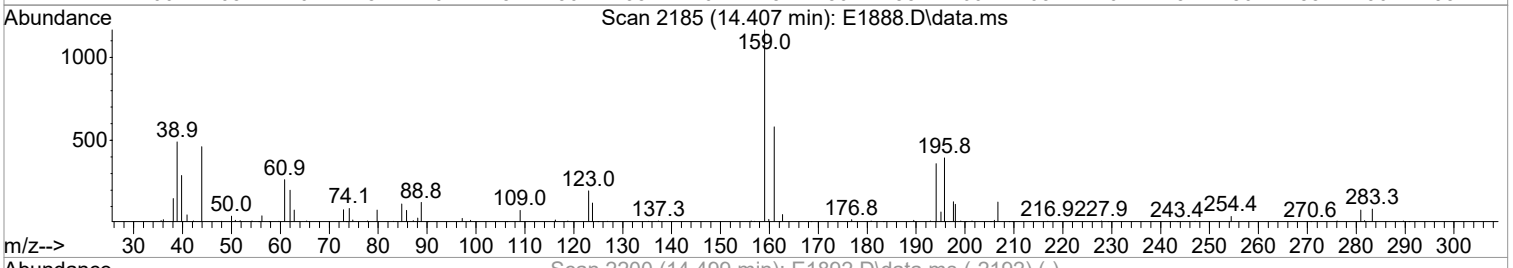

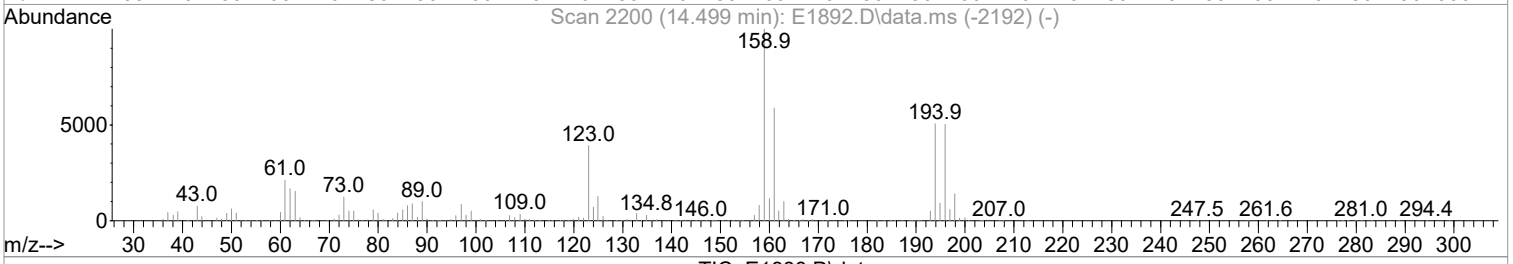

TIC: E1888.D\data.ms

(119) 2,3,6-Trichlorotoluene

14.407min (-0.092) 0.43 ug/L

response 1269

Ion	Exp%	Act%
159.00	100	100
161.00	58.80	49.91
193.90	50.60	30.87
0.00	0.00	0.00

Manual Integration:

Before

06/17/19

1st DL 06/17/19
2nd FW 06/18/19

Quantitation Report (Qedit)

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Data File : E1888.D
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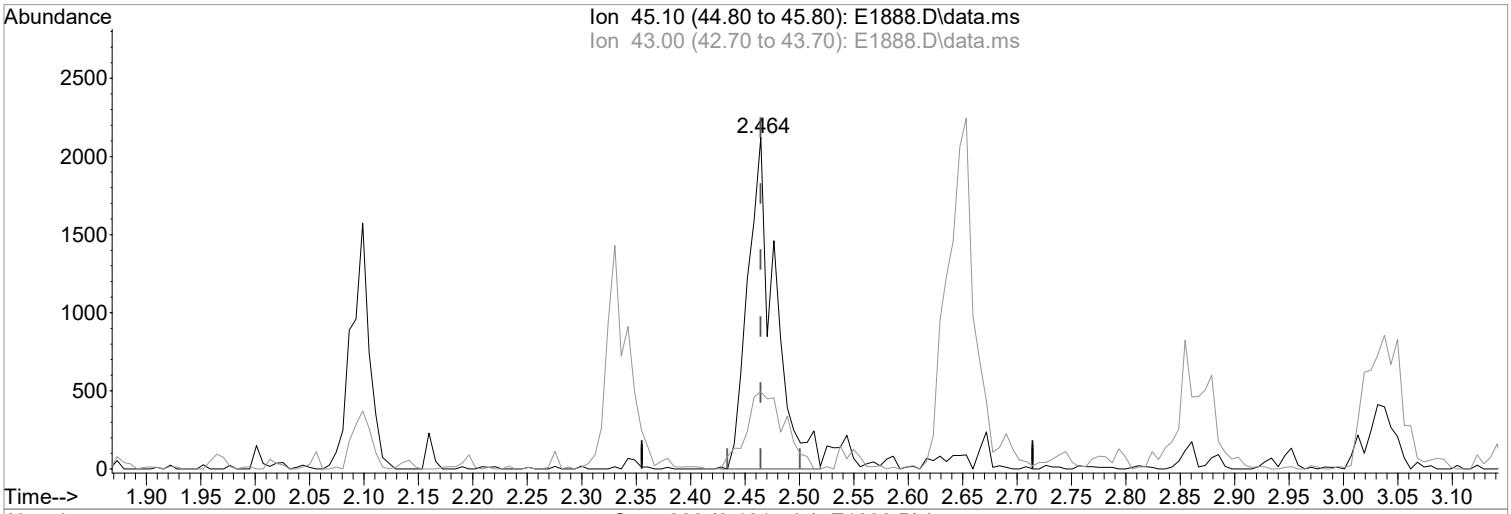
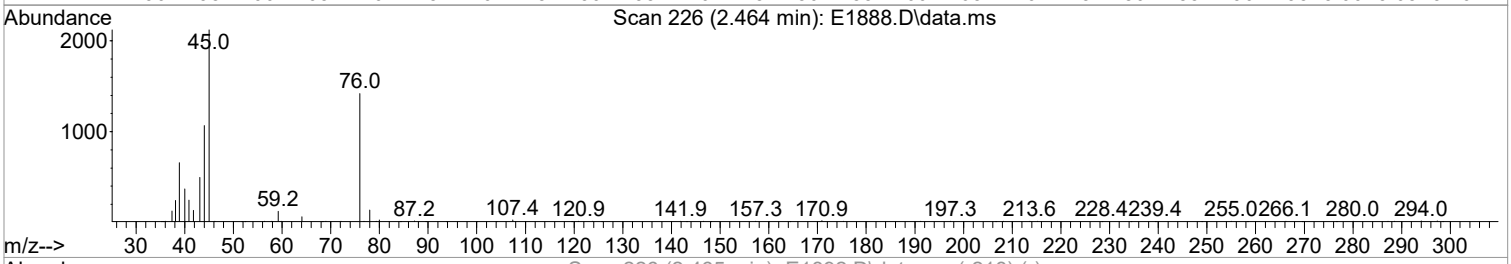
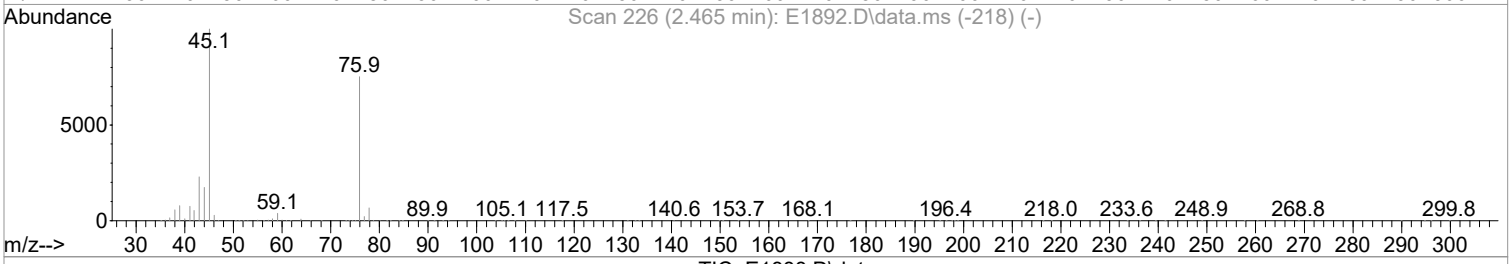
Response via : Initial Calibration







TIC: E1888.D\data.ms

(16) 2-Propanol

2.464min (-0.000) 9.77 ug/L m

response 3683

Ion	Exp%	Act%
45.10	100	100
43.00	23.20	23.34
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

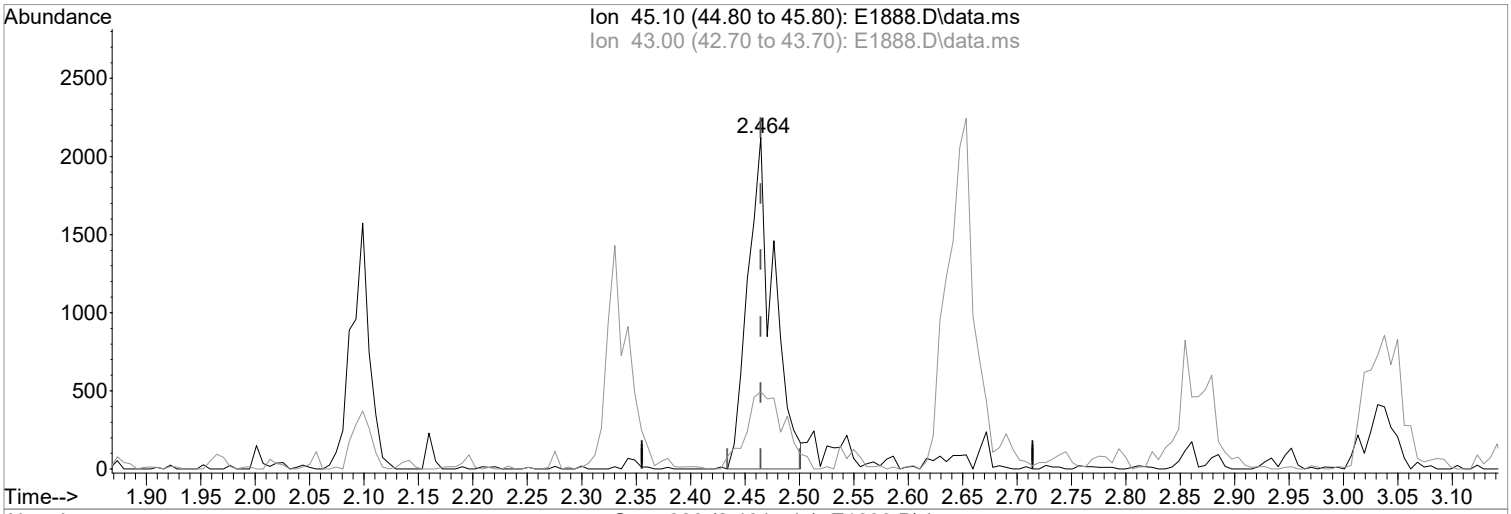
06/17/19

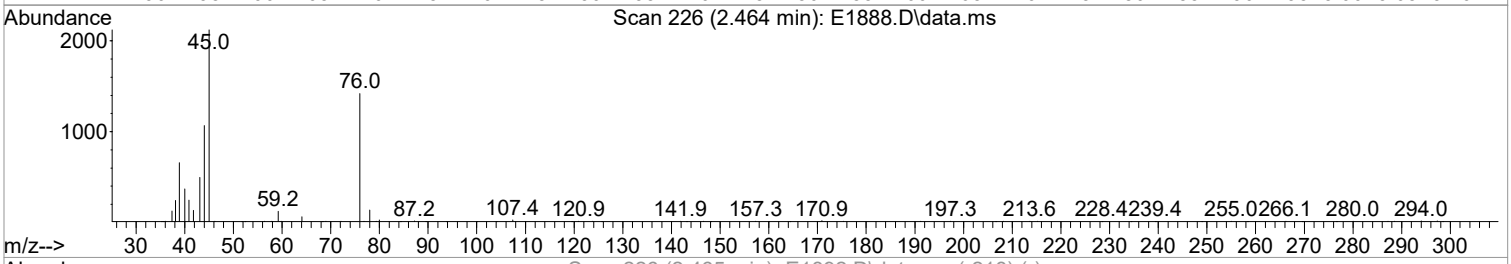
1st DL 06/17/19
2nd FW 06/18/19

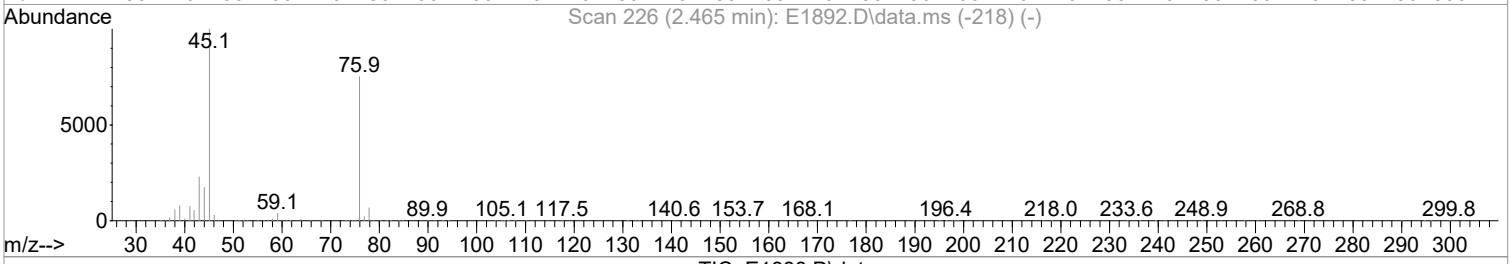
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1888.D
Acq On : 16 Jun 2019 12:58 pm
Operator : D.LIPANI
Sample : STD #2-1.0 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 17 08:23:35 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:23:28 2019
Response via : Initial Calibration







TIC: E1888.D\data.ms

(16) 2-Propanol

2.464min (-0.000) 9.35 ug/L

response 3525

Ion	Exp%	Act%
45.10	100	100
43.00	23.20	23.34
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

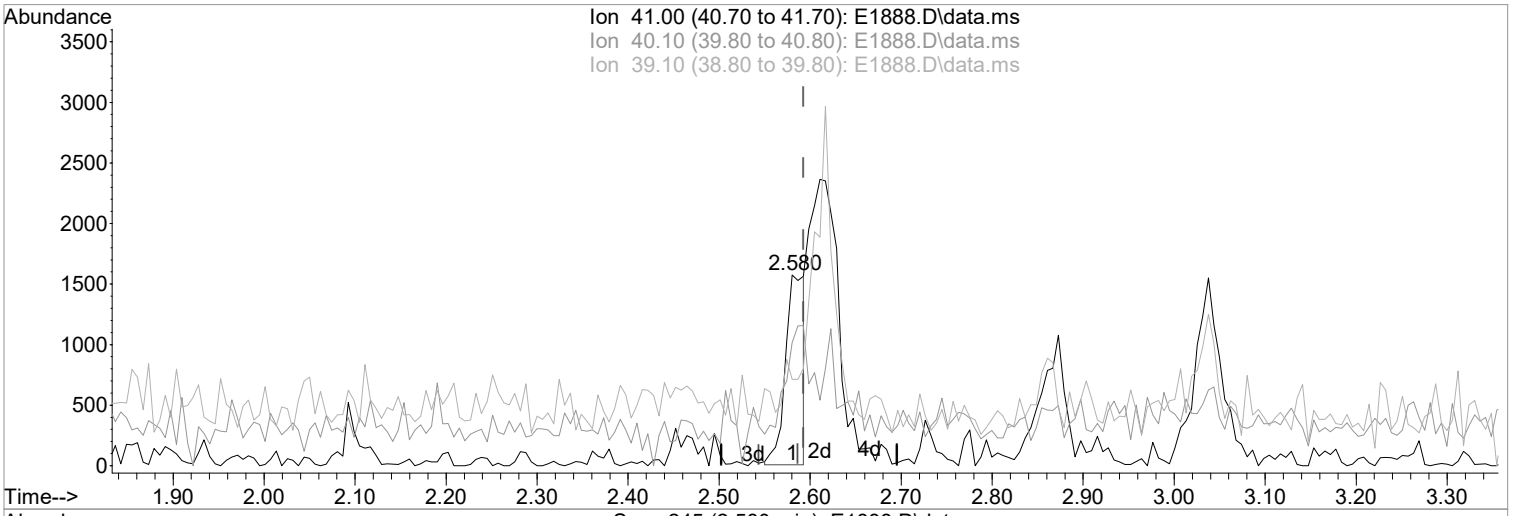
06/17/19

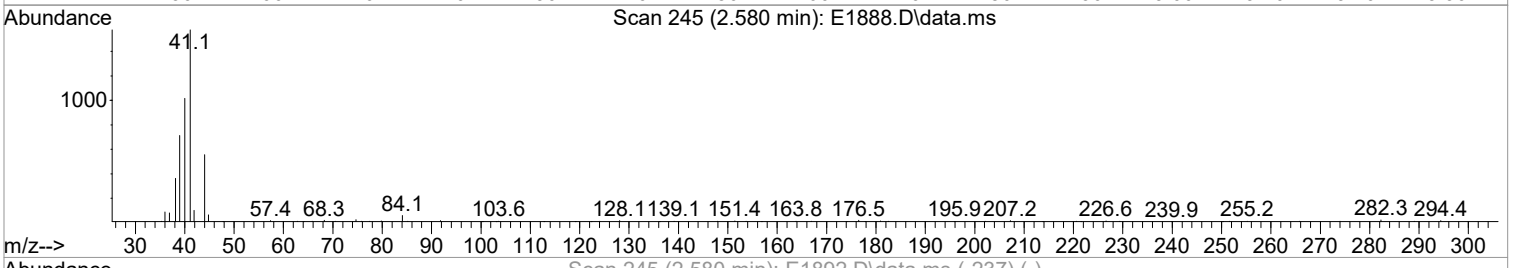
1st DL 06/17/19
2nd FJ 06/18/19

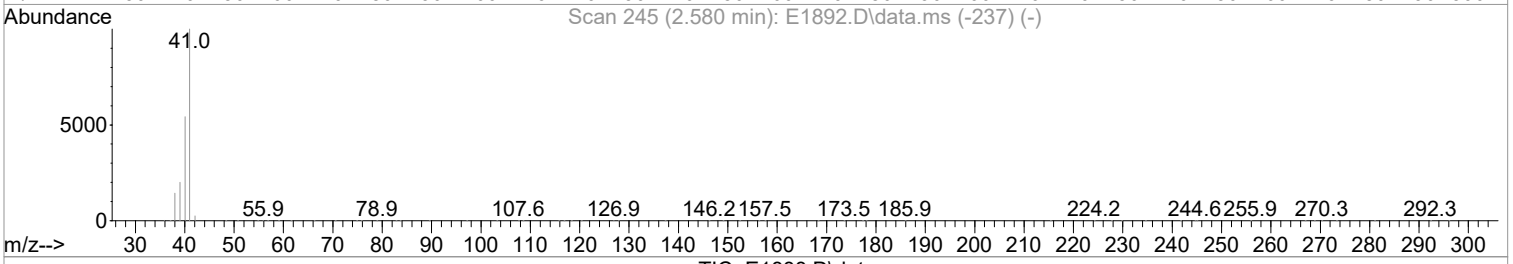
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1888.D
Acq On : 16 Jun 2019 12:58 pm
Operator : D.LIPANI
Sample : STD #2-1.0 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 17 08:23:35 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:23:28 2019
Response via : Initial Calibration







TIC: E1888.D\data.ms

(19) Acetonitrile

2.580min (-0.012) 3.53 ug/L m

response 2272

Ion	Exp%	Act%
41.00	100	100
40.10	54.40	64.51
39.10	21.00	45.21#
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

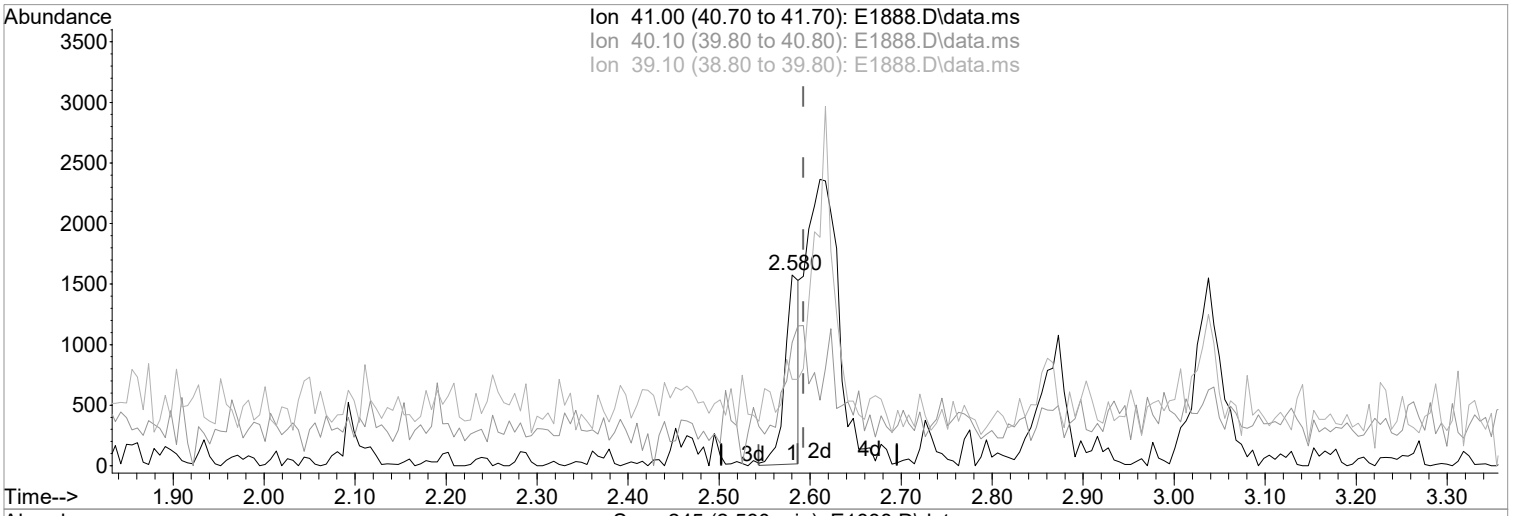
06/17/19

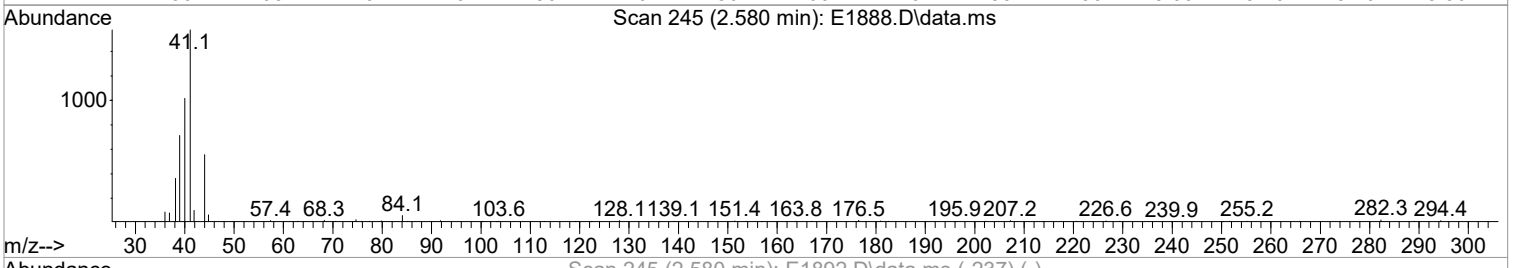
1st DL 06/17/19
2nd FJ 06/18/19

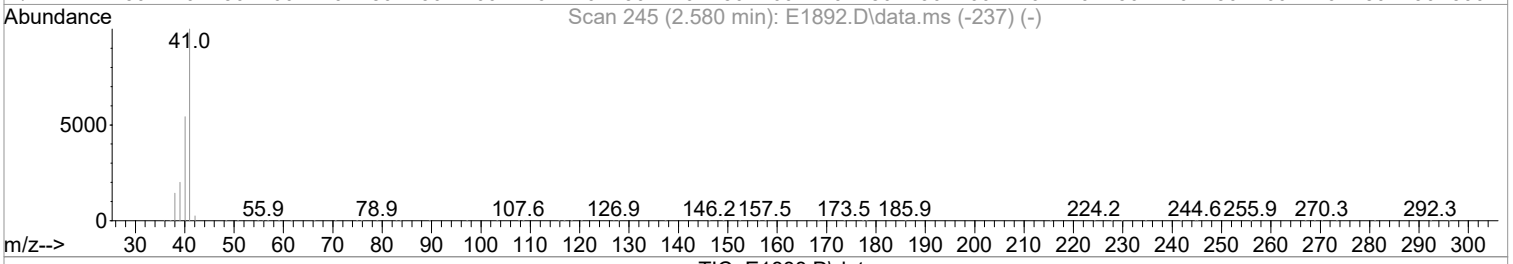
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1888.D
Acq On : 16 Jun 2019 12:58 pm
Operator : D.LIPANI
Sample : STD #2-1.0 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 17 08:23:35 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:23:28 2019
Response via : Initial Calibration







TIC: E1888.D\data.ms

(19) Acetonitrile

2.580min (-0.012) 2.66 ug/L

response 1712

Ion	Exp%	Act%
41.00	100	100
40.10	54.40	64.51
39.10	21.00	45.21#
0.00	0.00	0.00

Manual Integration:

Before

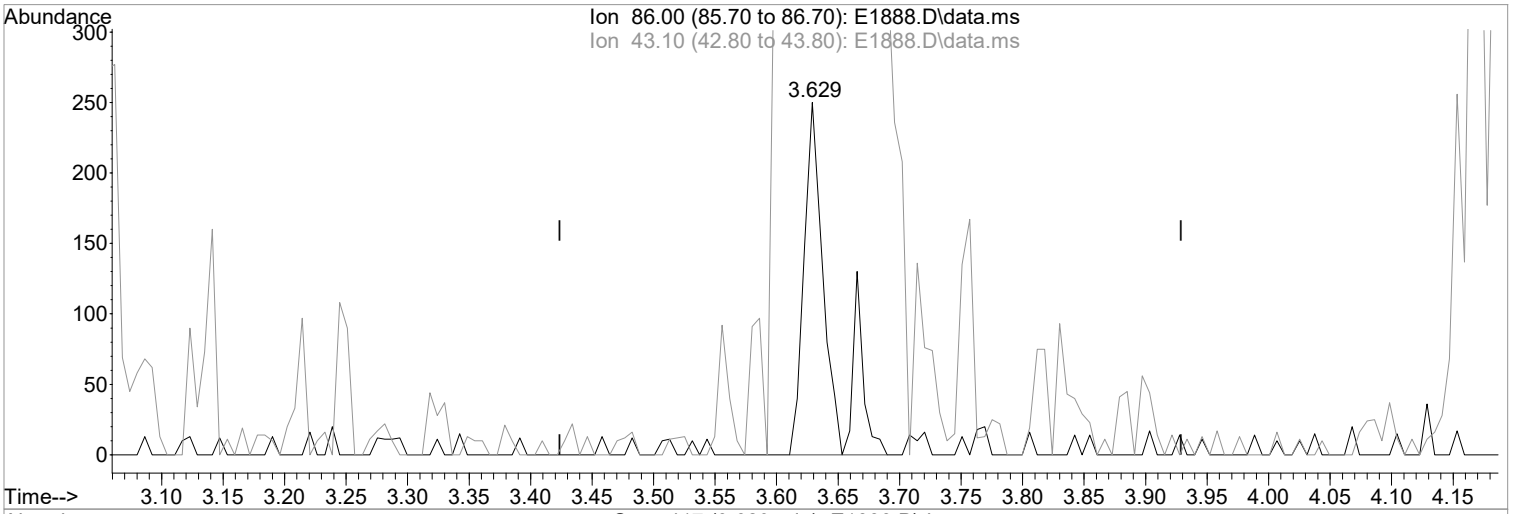
06/17/19

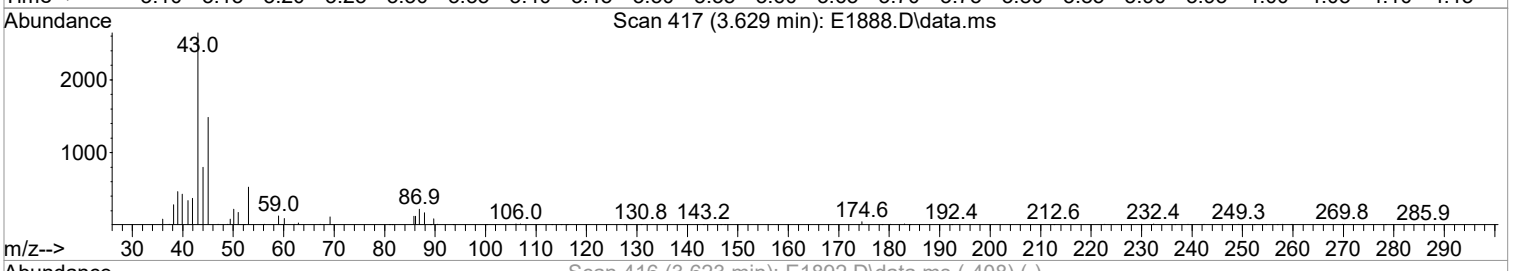
1st DL 06/17/19
2nd FW 06/18/19

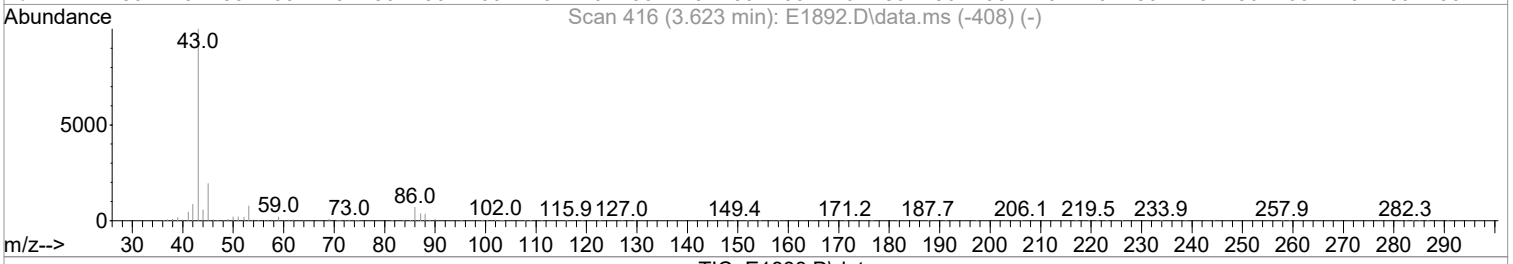
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1888.D
Acq On : 16 Jun 2019 12:58 pm
Operator : D.LIPANI
Sample : STD #2-1.0 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 17 08:23:35 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:23:28 2019
Response via : Initial Calibration







TIC: E1888.D\data.ms

(28) Vinyl Acetate

3.629min (+0.006) 0.51 ug/L m

response 342

Ion	Exp%	Act%
86.00	100	100
43.10	1436.50	2116.80#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

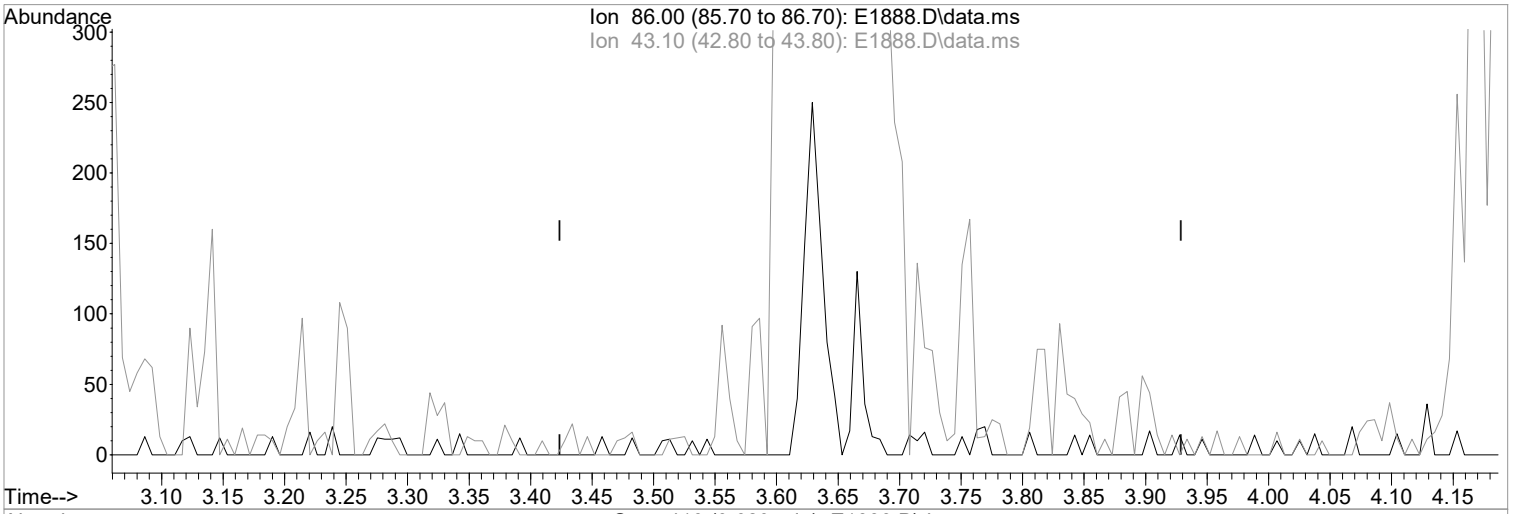
06/17/19

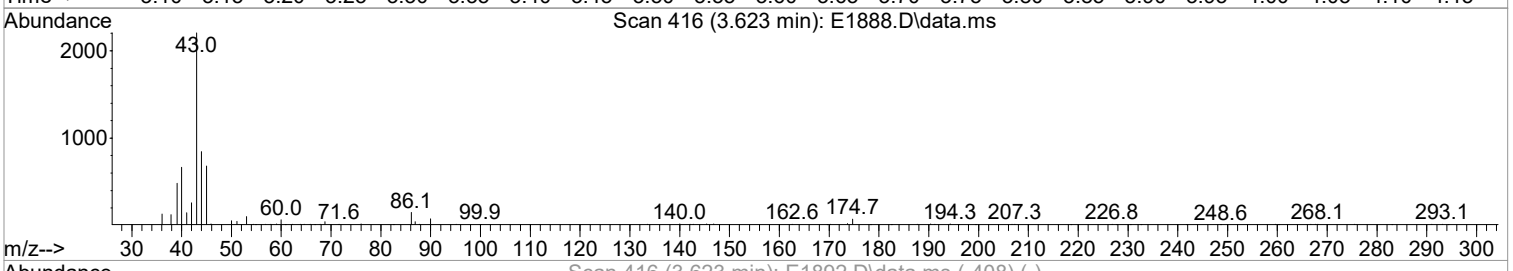
1st DL 06/17/19
2nd FW 06/18/19

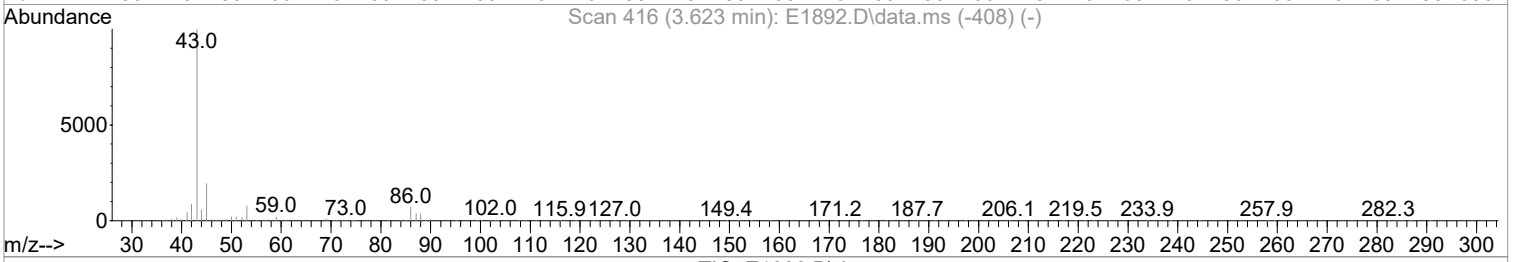
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1888.D
Acq On : 16 Jun 2019 12:58 pm
Operator : D.LIPANI
Sample : STD #2-1.0 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 17 08:23:35 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:23:28 2019
Response via : Initial Calibration







TIC: E1888.D\data.ms

(28) Vinyl Acetate

3.623min (-3.623) 0.00 ug/L

response 0

Ion	Exp%	Act%
86.00	100	0.00
43.10	1436.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

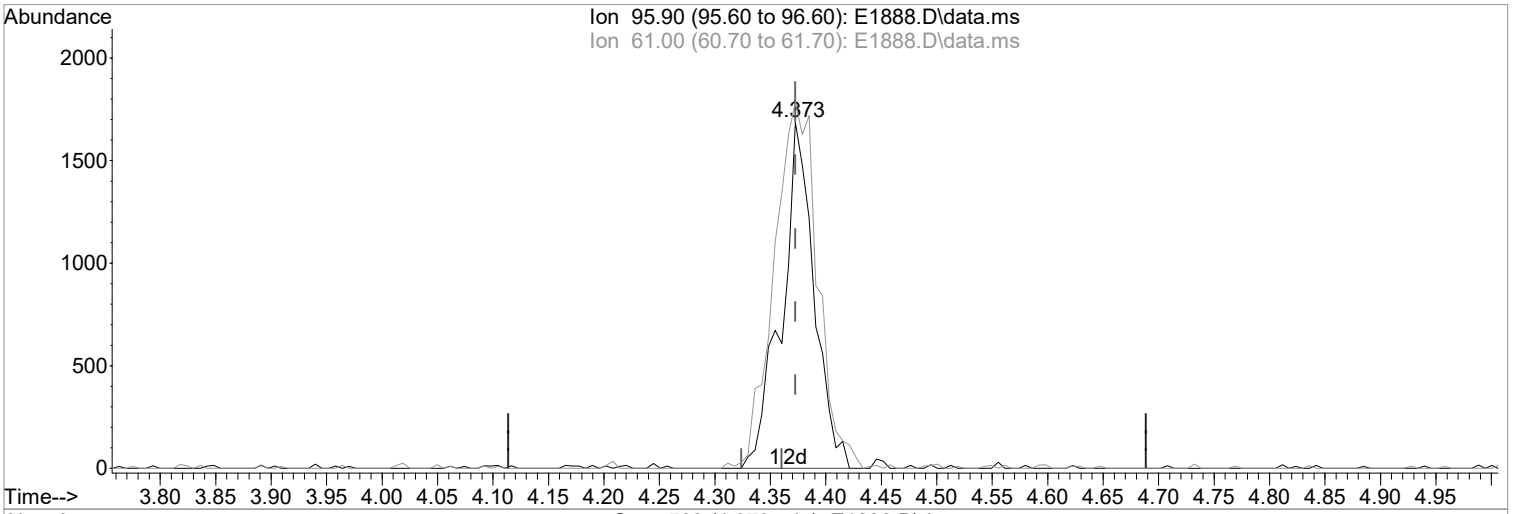
06/17/19

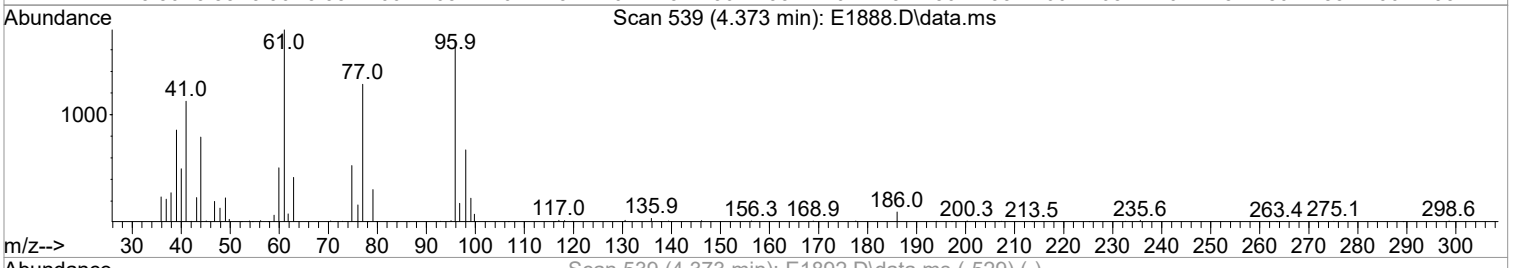
1st DL 06/17/19
2nd FW 06/18/19

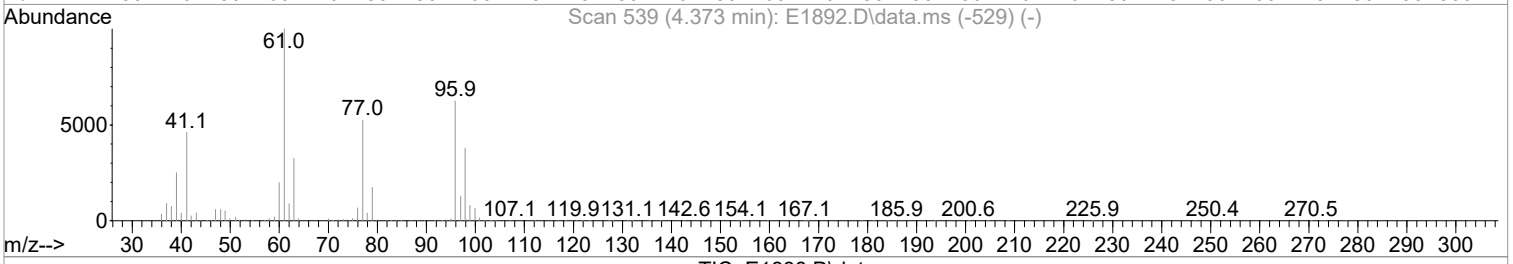
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1888.D
Acq On : 16 Jun 2019 12:58 pm
Operator : D.LIPANI
Sample : STD #2-1.0 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 17 08:23:35 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:23:28 2019
Response via : Initial Calibration







TIC: E1888.D\data.ms

(33) cis-1,2-Dichloroethene (P)

4.373min (-0.000) 1.05 ug/L m

response 3448

Ion	Exp%	Act%
95.90	100	100
61.00	161.00	105.81#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

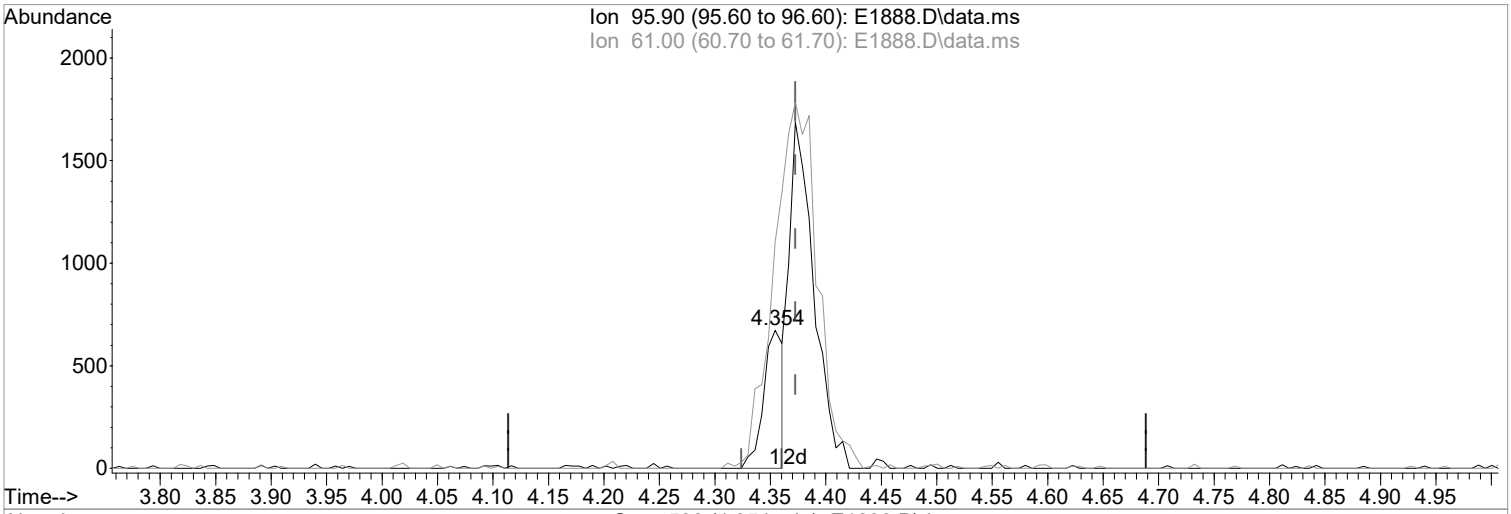
Poor integration.

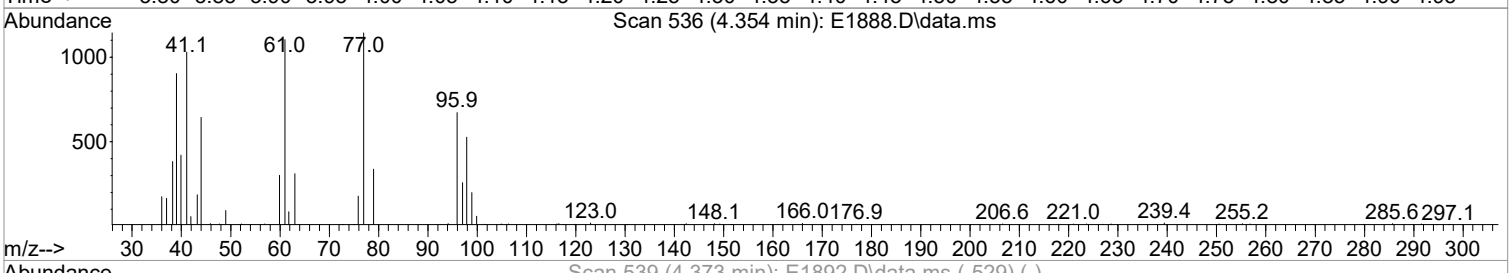
06/17/19

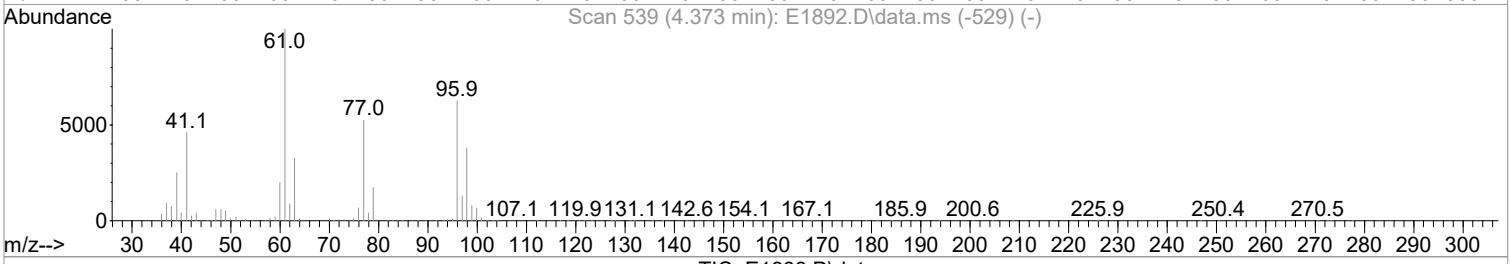
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1888.D
Acq On : 16 Jun 2019 12:58 pm
Operator : D.LIPANI
Sample : STD #2-1.0 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 17 08:23:35 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:23:28 2019
Response via : Initial Calibration







TIC: E1888.D\data.ms

(33) cis-1,2-Dichloroethene (P)

4.354min (-0.018) 0.25 ug/L

response 834

Ion	Exp%	Act%
95.90	100	100
61.00	161.00	164.04
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

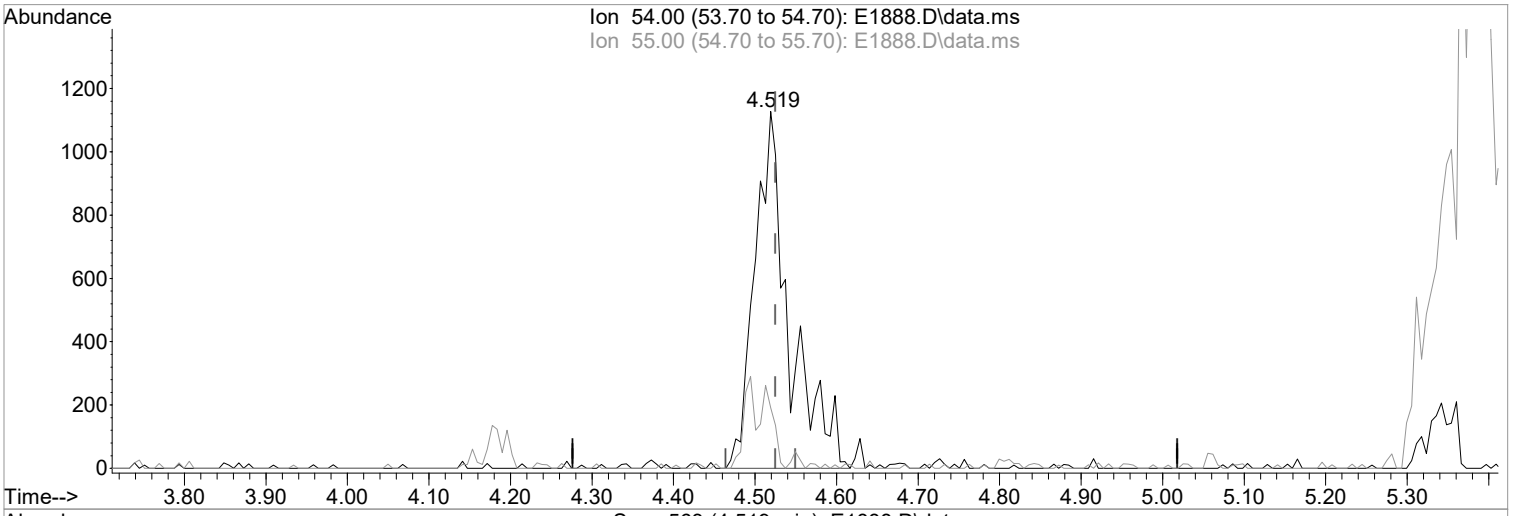
06/17/19

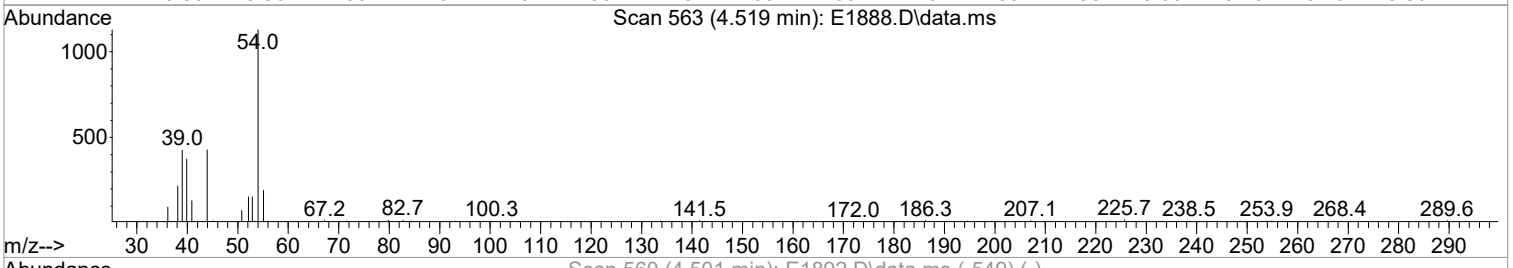
1st DL 06/17/19
2nd FW 06/18/19

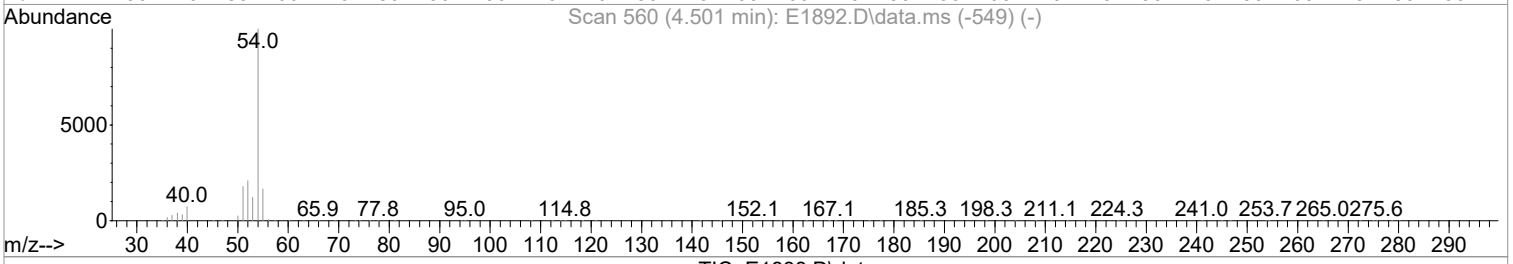
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1888.D
Acq On : 16 Jun 2019 12:58 pm
Operator : D.LIPANI
Sample : STD #2-1.0 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 17 08:23:35 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:23:28 2019
Response via : Initial Calibration







TIC: E1888.D\data.ms

(35) Propionitrile

4.519min (-0.006) 4.70 ug/L m

response 3315

Ion	Exp%	Act%
54.00	100	100
55.00	17.00	16.95
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

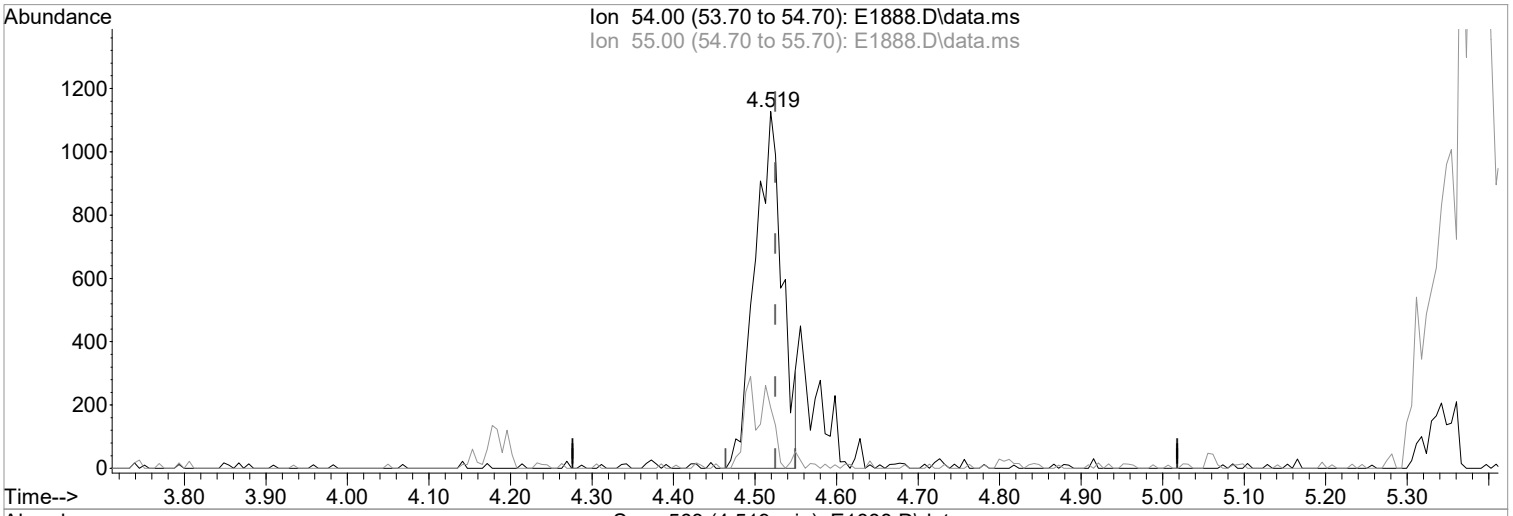
06/17/19

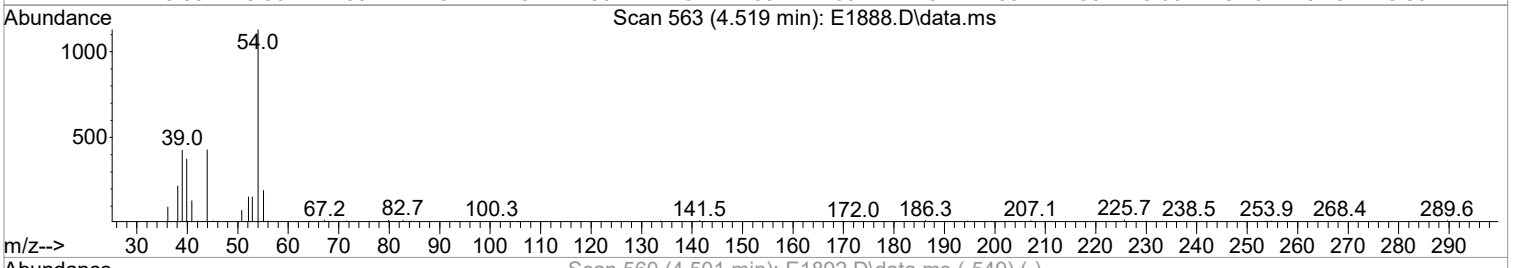
1st DL 06/17/19
2nd FW 06/18/19

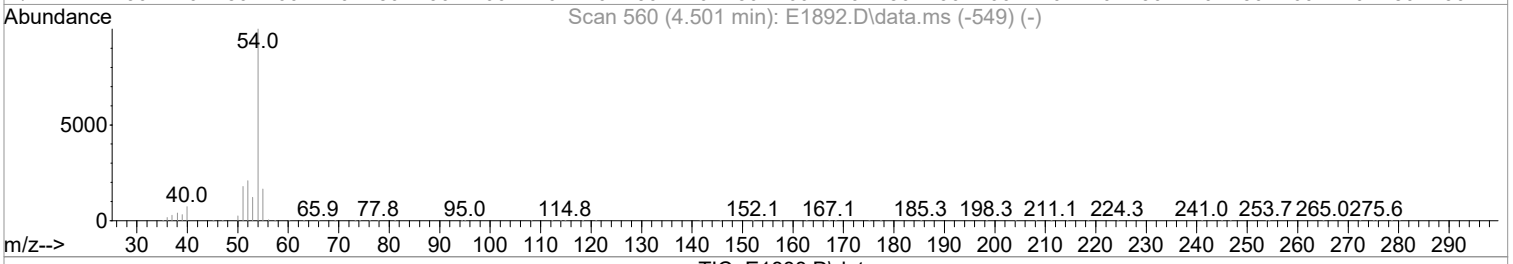
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1888.D
Acq On : 16 Jun 2019 12:58 pm
Operator : D.LIPANI
Sample : STD #2-1.0 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 17 08:23:35 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:23:28 2019
Response via : Initial Calibration







TIC: E1888.D\data.ms

(35) Propionitrile

4.519min (-0.006) 3.74 ug/L

response 2640

Ion	Exp%	Act%
54.00	100	100
55.00	17.00	16.95
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

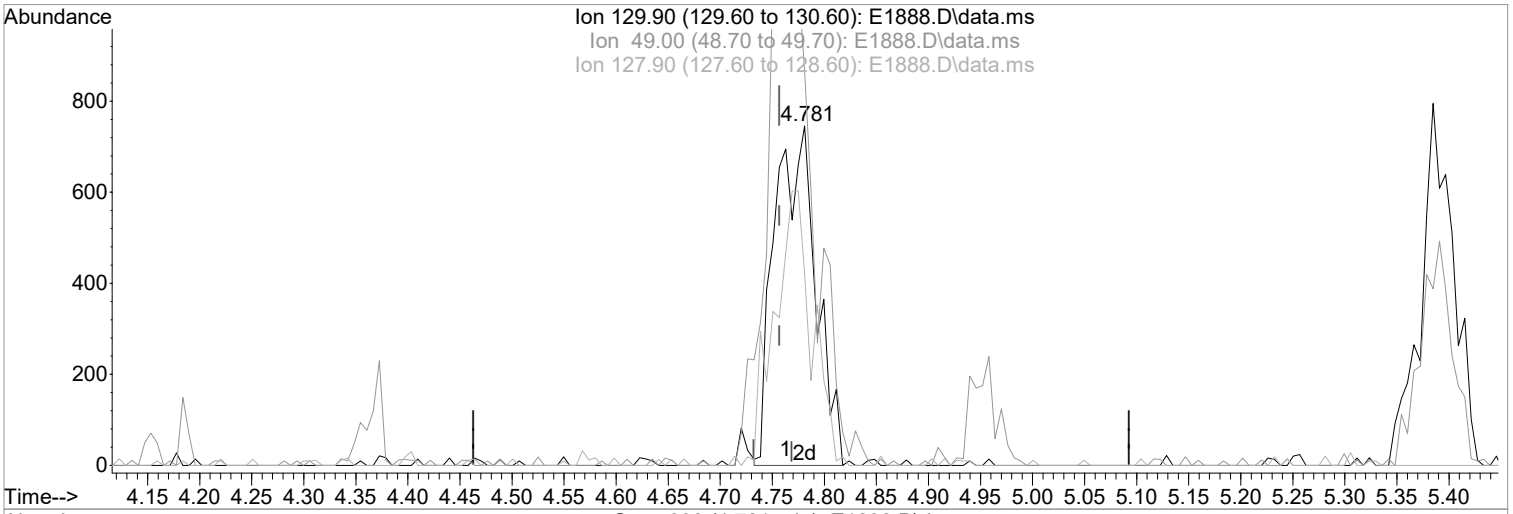
06/17/19

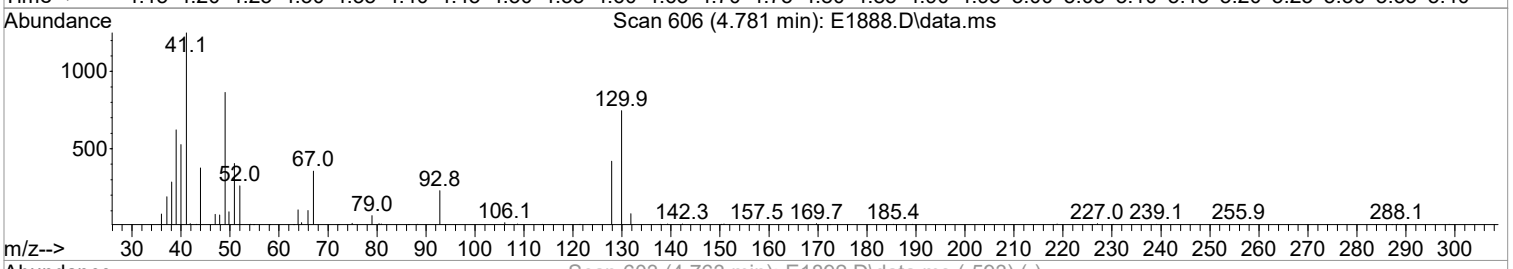
1st DL 06/17/19
2nd FW 06/18/19

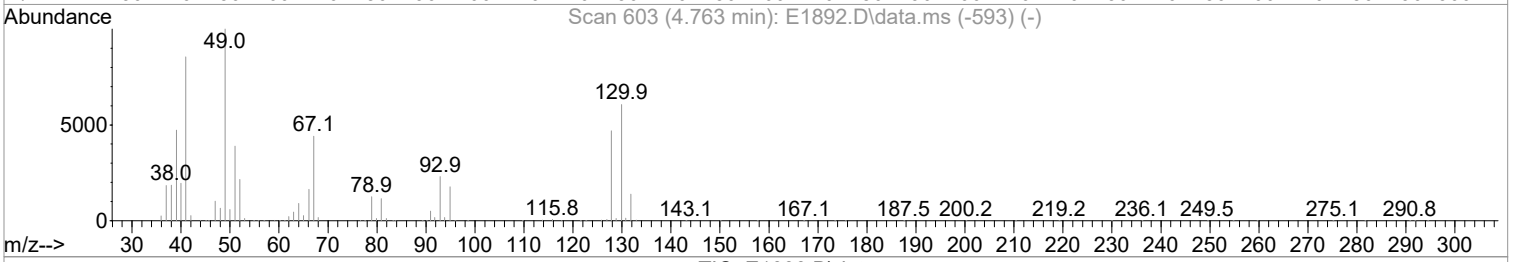
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1888.D
Acq On : 16 Jun 2019 12:58 pm
Operator : D.LIPANI
Sample : STD #2-1.0 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 17 08:23:35 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:23:28 2019
Response via : Initial Calibration







TIC: E1888.D\data.ms

(36) Bromochloromethane

4.781min (+0.024) 1.03 ug/L m

response 2060

Ion	Exp%	Act%
129.90	100	100
49.00	165.00	115.95#
127.90	77.40	56.30#
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

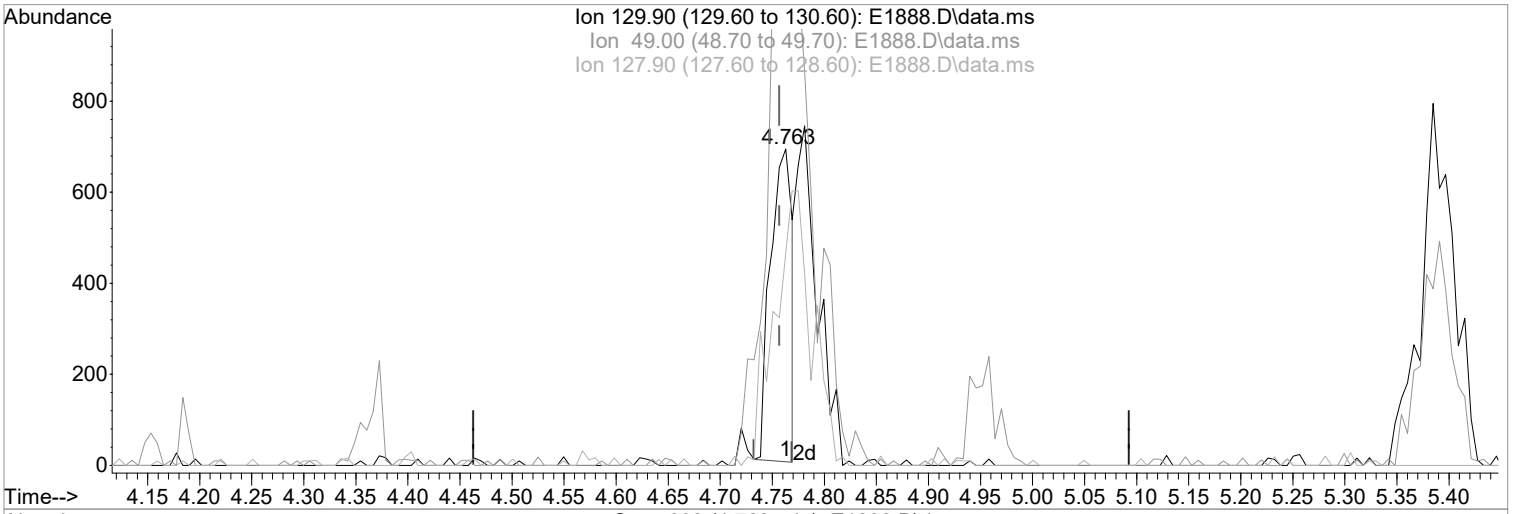
06/17/19

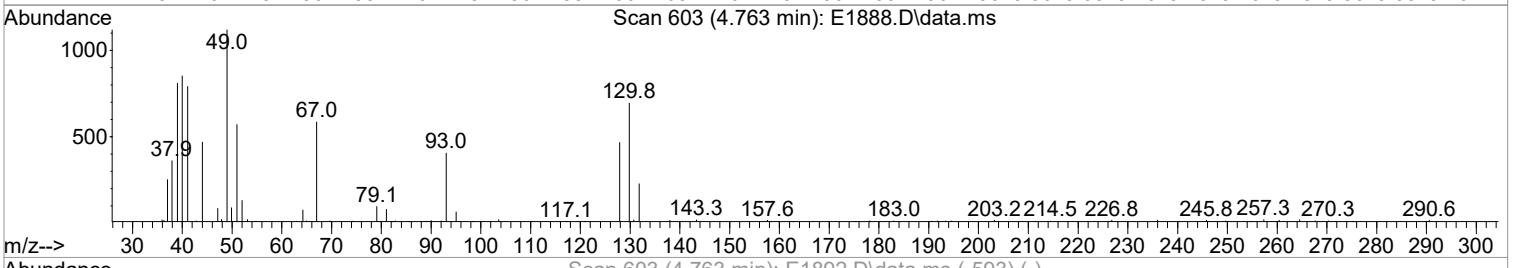
1st DL 06/17/19
2nd FW 06/18/19

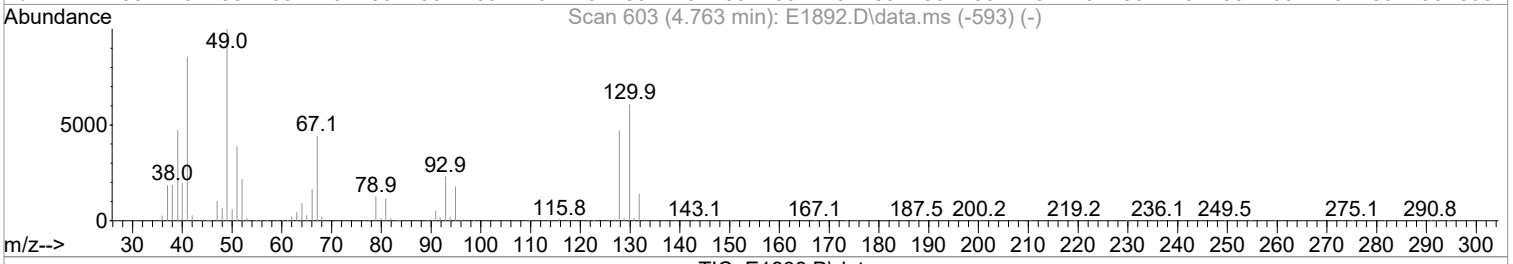
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1888.D
Acq On : 16 Jun 2019 12:58 pm
Operator : D.LIPANI
Sample : STD #2-1.0 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 17 08:23:35 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:23:28 2019
Response via : Initial Calibration







TIC: E1888.D\data.ms

(36) Bromochloromethane

4.763min (+0.006) 0.50 ug/L

response 995

Ion	Exp%	Act%
129.90	100	100
49.00	165.00	161.01
127.90	77.40	67.19
0.00	0.00	0.00

Manual Integration:

Before

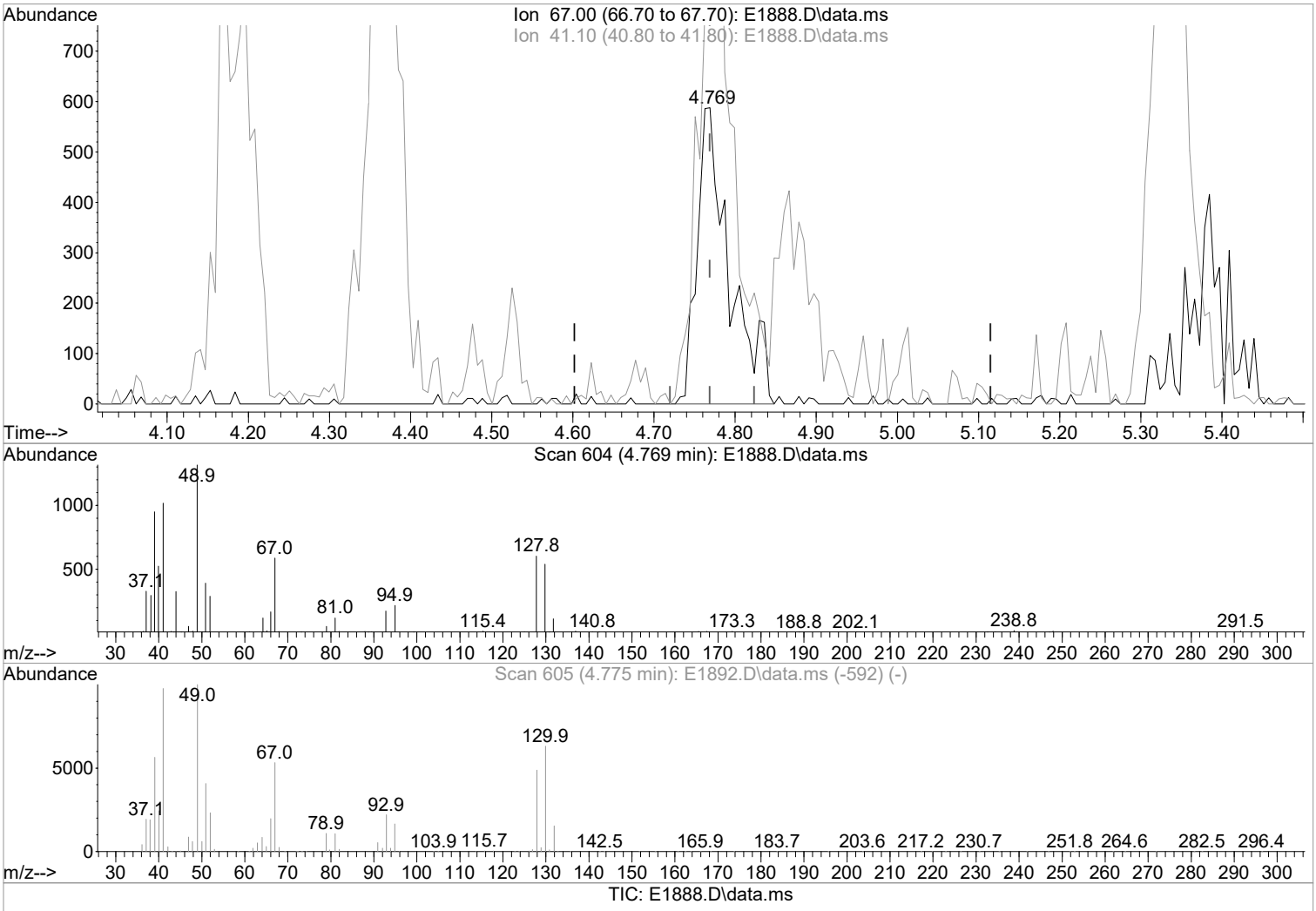
06/17/19

1st DL 06/17/19
2nd FW 06/18/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1888.D
Acq On : 16 Jun 2019 12:58 pm
Operator : D.LIPANI
Sample : STD #2-1.0 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 17 08:23:35 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:23:28 2019
Response via : Initial Calibration



TIC: E1888.D\data.ms

(37) Methacrylonitrile

4.769min (-0.000) 0.88 ug/L m

response 1642

Ion	Exp%	Act%
67.00	100	100
41.10	184.00	172.96
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

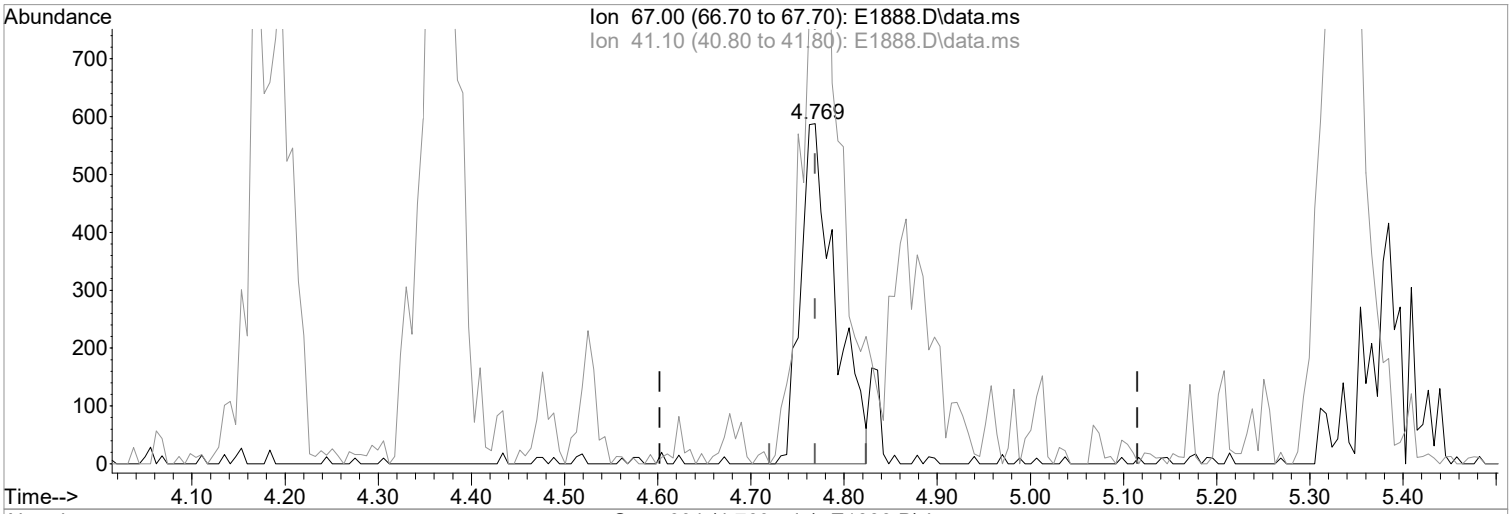
06/17/19

1st DL 06/17/19
2nd FW 06/18/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1888.D
Acq On : 16 Jun 2019 12:58 pm
Operator : D.LIPANI
Sample : STD #2-1.0 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 17 08:23:35 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:23:28 2019
Response via : Initial Calibration



TIC: E1888.D\data.ms

(37) Methacrylonitrile

4.769min (-0.000) 0.81 ug/L

response 1516

Ion	Exp%	Act%
67.00	100	100
41.10	184.00	172.96
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

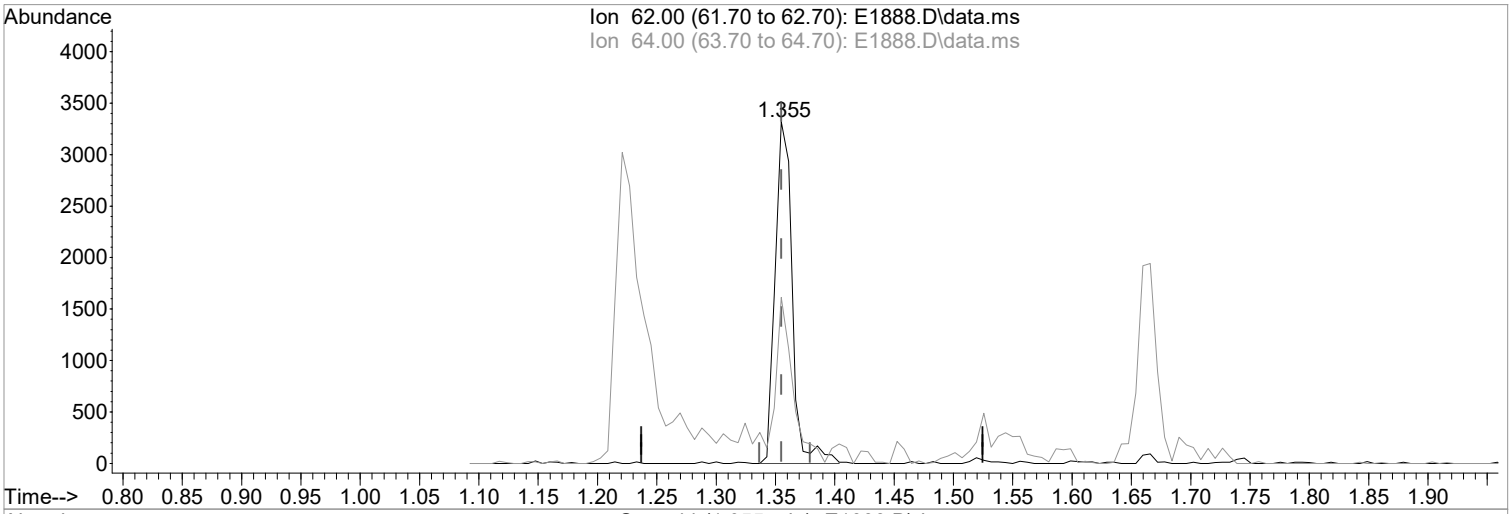
06/17/19

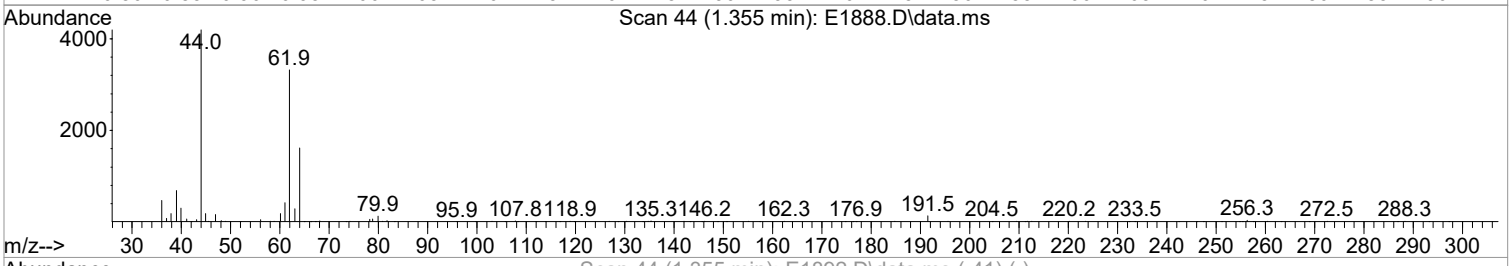
1st DL 06/17/19
2nd FW 06/18/19

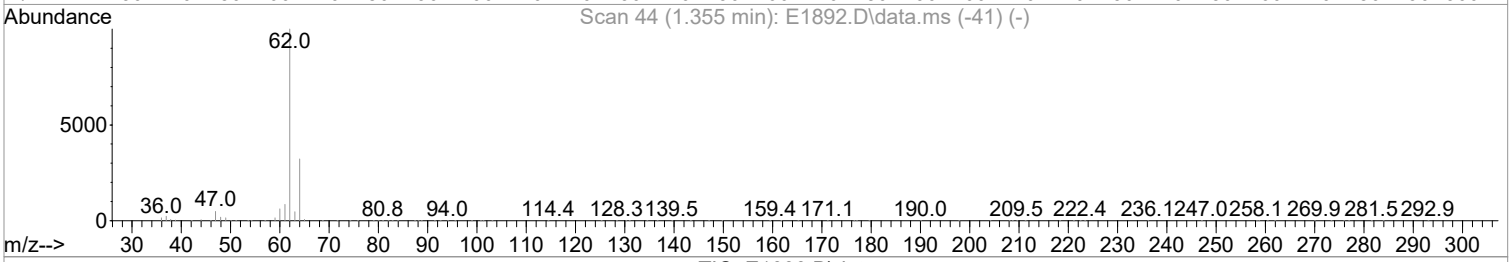
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1888.D
Acq On : 16 Jun 2019 12:58 pm
Operator : D.LIPANI
Sample : STD #2-1.0 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 17 08:23:35 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:23:28 2019
Response via : Initial Calibration







TIC: E1888.D\data.ms

(4) Vinyl Chloride (P)

1.355min (-0.000) 0.74 ug/L m

response 3341

Ion	Exp%	Act%
62.00	100	100
64.00	32.40	48.63
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

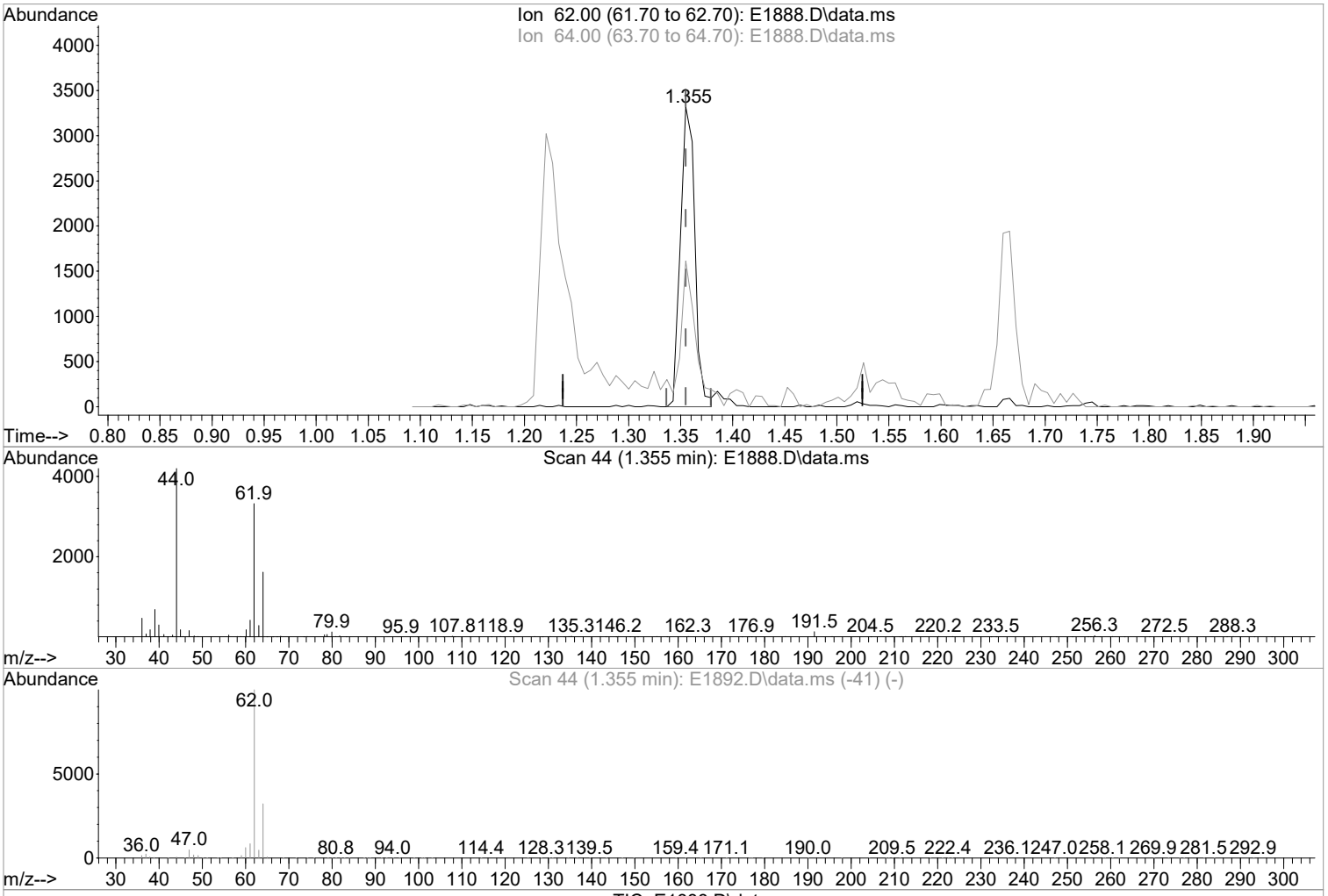
06/17/19

1st DL 06/17/19
2nd FJ 06/18/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1888.D
Acq On : 16 Jun 2019 12:58 pm
Operator : D.LIPANI
Sample : STD #2-1.0 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 17 08:23:35 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:23:28 2019
Response via : Initial Calibration



TIC: E1888.D\data.ms

(4) Vinyl Chloride (P)

1.355min (-0.000) 0.71 ug/L

response 3213

Ion	Exp%	Act%
62.00	100	100
64.00	32.40	48.63
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

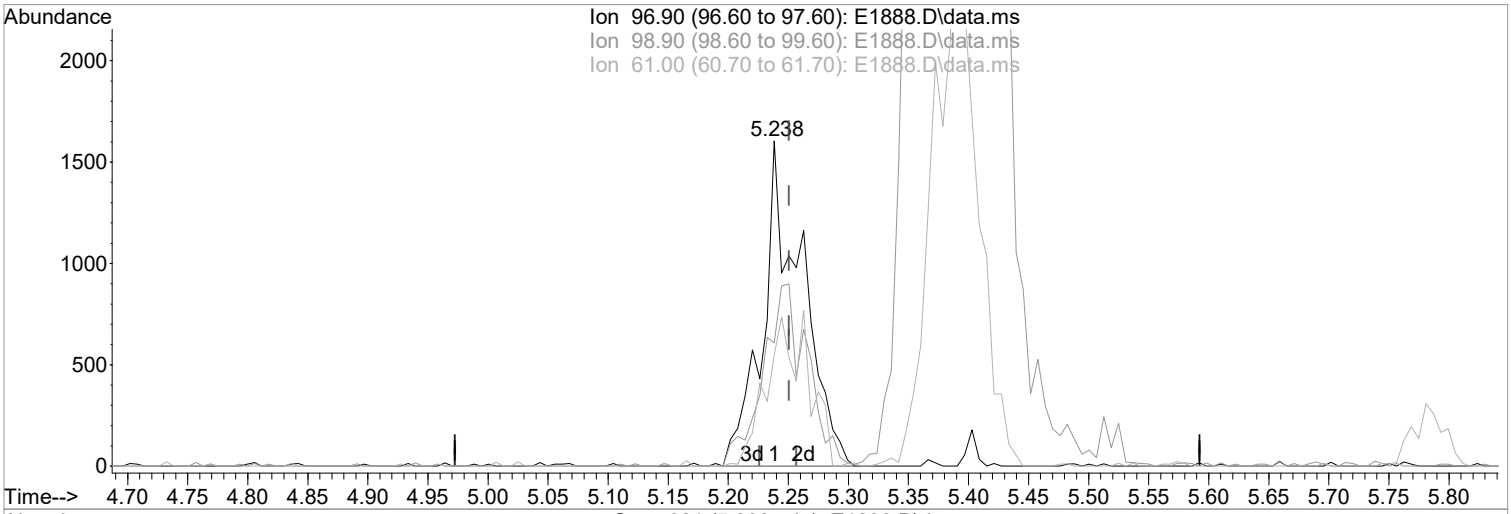
06/17/19

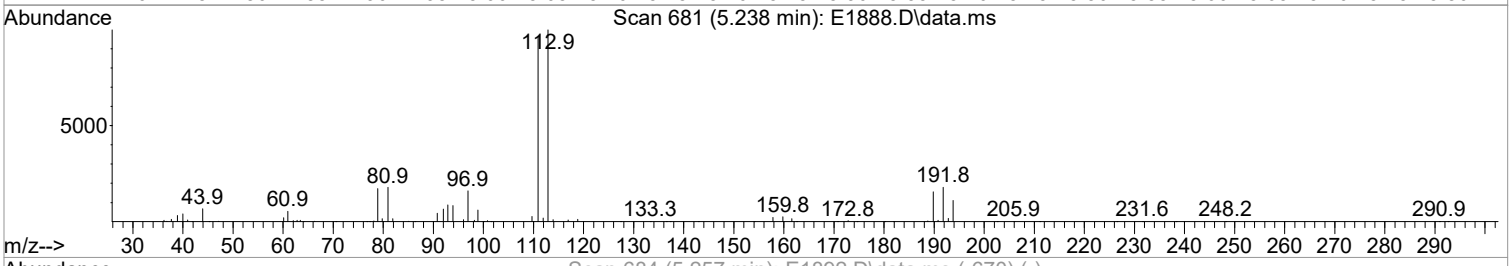
1st DL 06/17/19
2nd FW 06/18/19

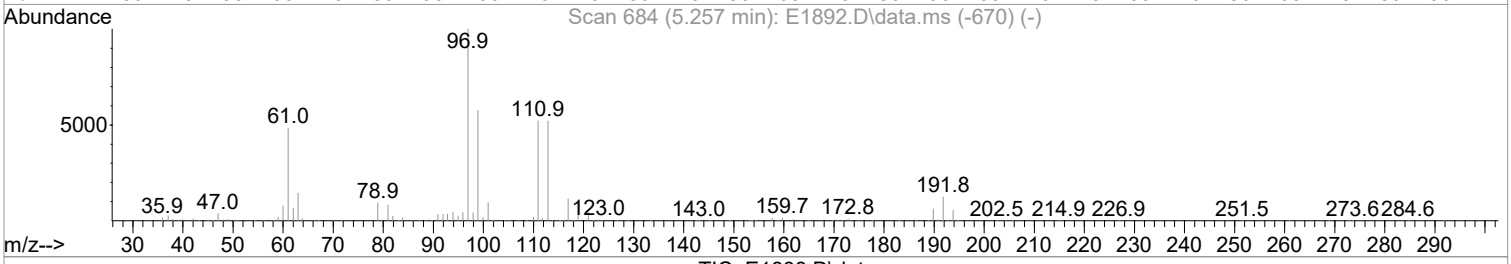
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1888.D
Acq On : 16 Jun 2019 12:58 pm
Operator : D.LIPANI
Sample : STD #2-1.0 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 17 08:23:35 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:23:28 2019
Response via : Initial Calibration







TIC: E1888.D\data.ms

(40) 1,1,1-Trichloroethane (P)

5.238min (-0.012) 0.82 ug/L m

response 3649

Ion	Exp%	Act%
96.90	100	100
98.90	57.50	37.88
61.00	48.30	34.21
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

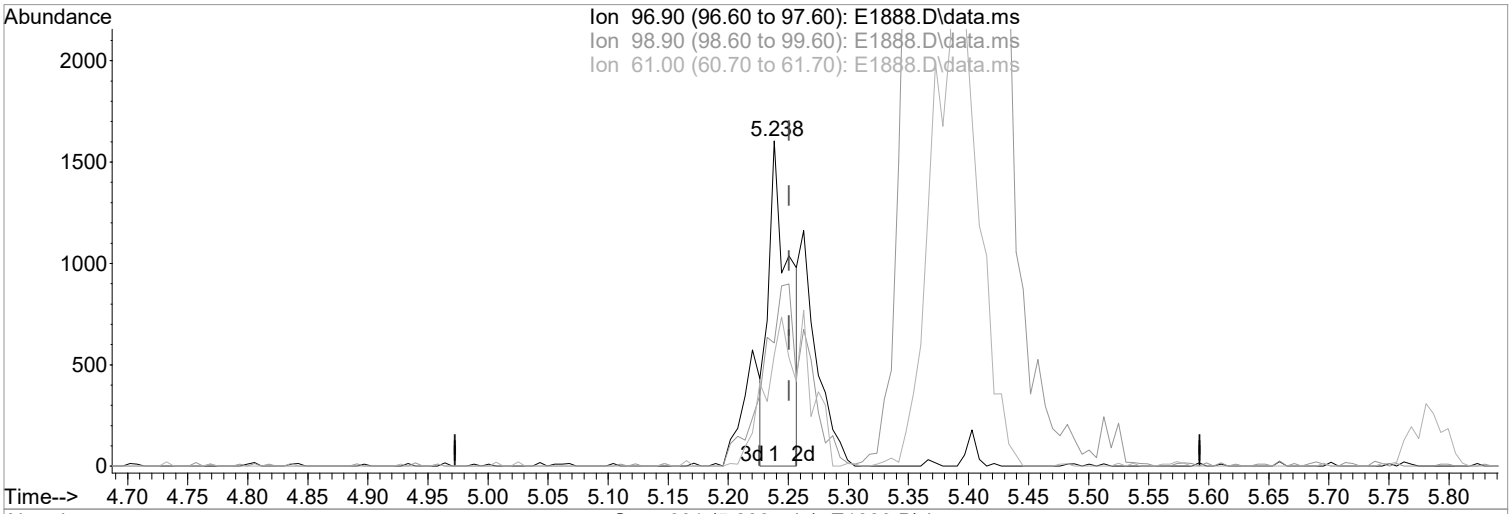
06/17/19

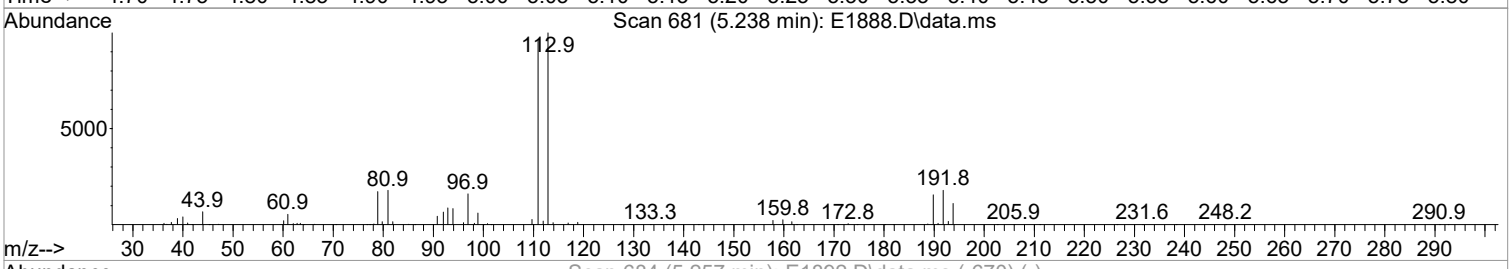
1st DL 06/17/19
2nd FW 06/18/19

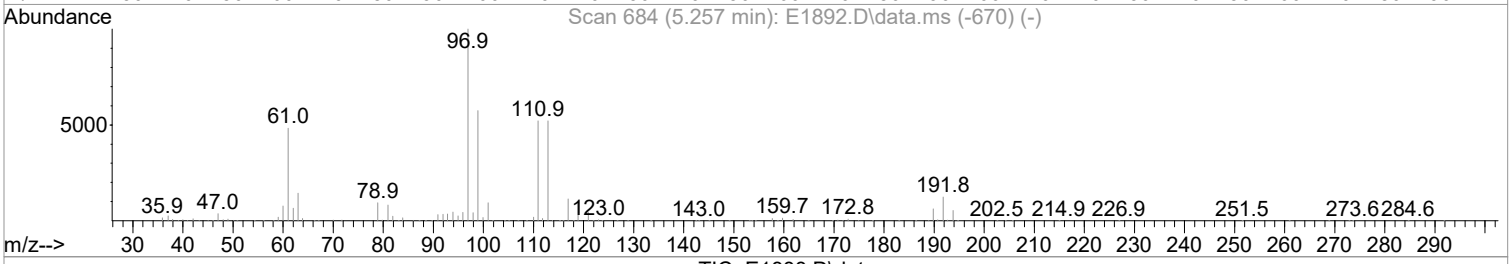
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1888.D
Acq On : 16 Jun 2019 12:58 pm
Operator : D.LIPANI
Sample : STD #2-1.0 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 17 08:23:35 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:23:28 2019
Response via : Initial Calibration







TIC: E1888.D\data.ms

(40) 1,1,1-Trichloroethane (P)

5.238min (-0.012) 0.44 ug/L

response 1936

Ion	Exp%	Act%
96.90	100	100
98.90	57.50	37.88
61.00	48.30	34.21
0.00	0.00	0.00

Manual Integration:

Before

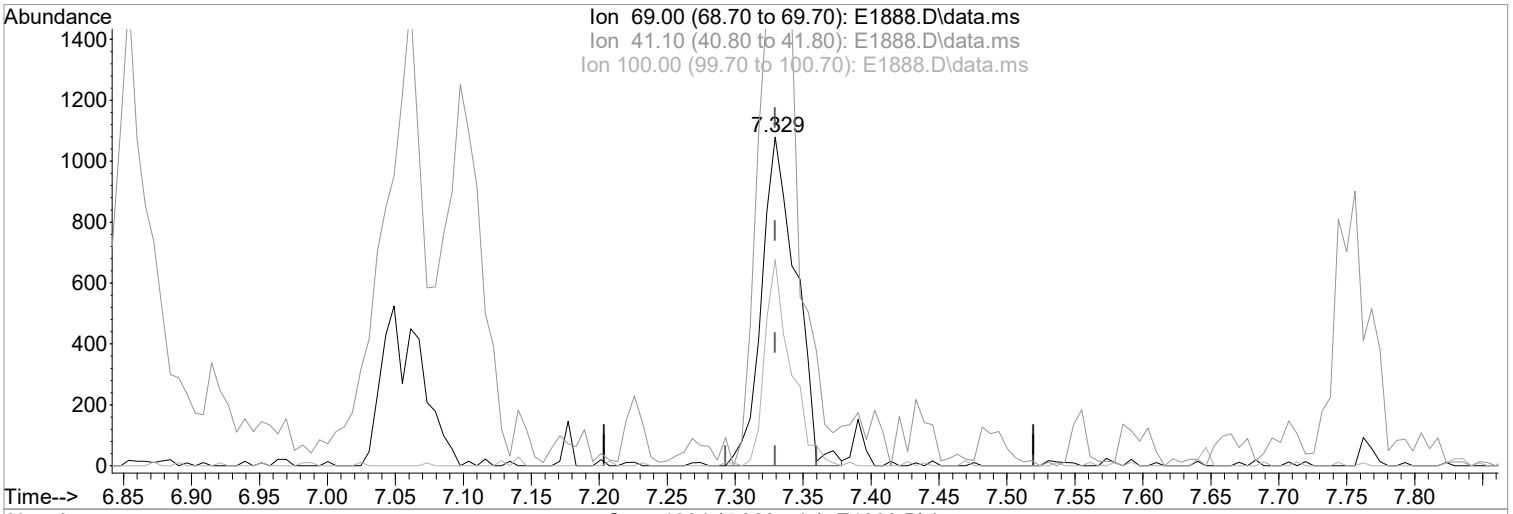
06/17/19

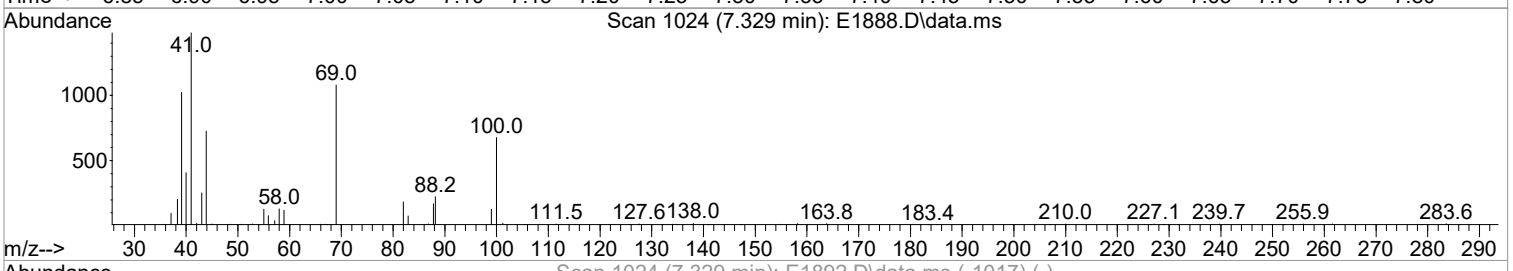
1st DL 06/17/19
2nd FJ 06/18/19

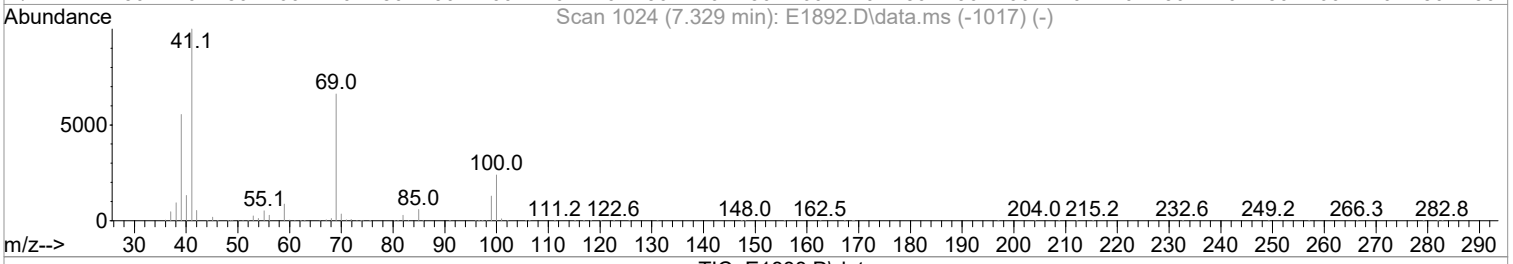
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1888.D
Acq On : 16 Jun 2019 12:58 pm
Operator : D.LIPANI
Sample : STD #2-1.0 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 17 08:23:35 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:23:28 2019
Response via : Initial Calibration







TIC: E1888.D\data.ms

(58) Methyl Methacrylate

7.329min (-0.000) 0.74 ug/L m

response 1908

Ion	Exp%	Act%
69.00	100	100
41.10	153.30	137.07
100.00	36.20	62.74#
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

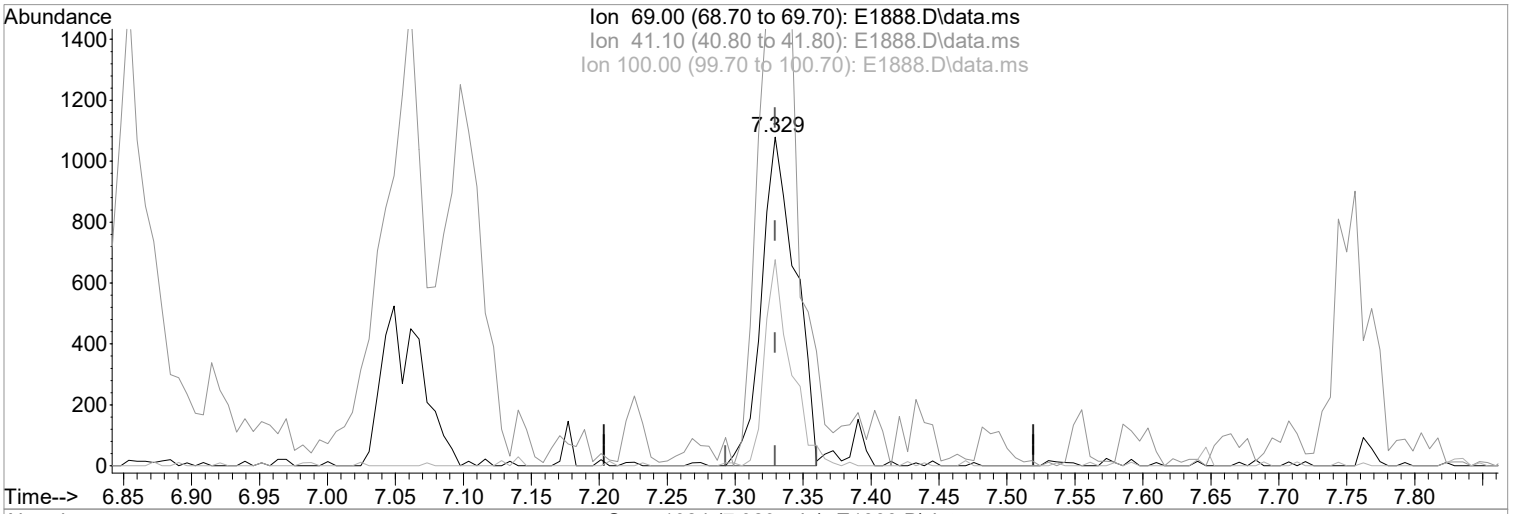
06/17/19

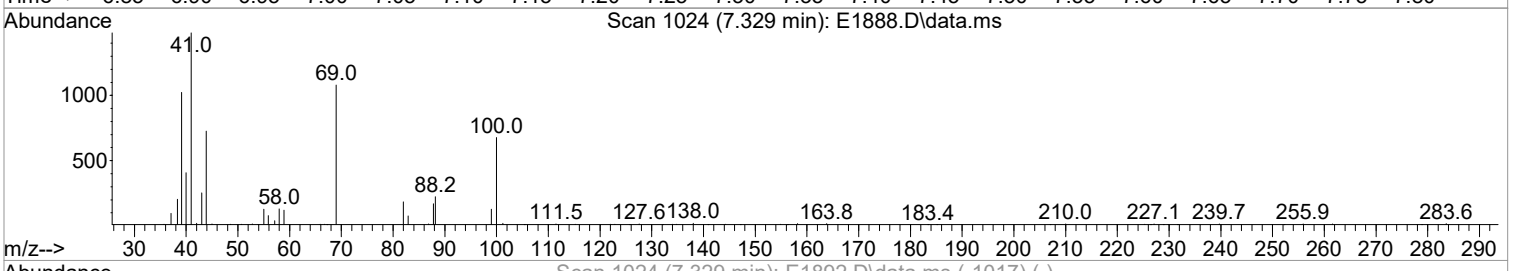
1st DL 06/17/19
2nd FW 06/18/19

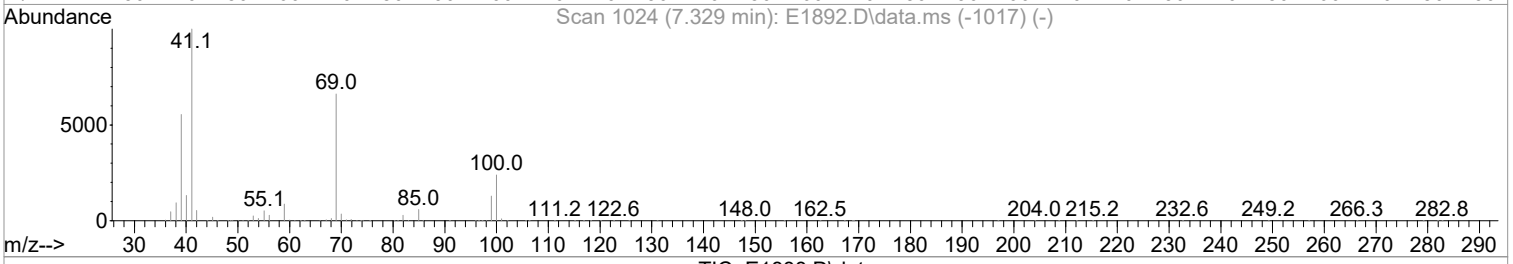
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1888.D
Acq On : 16 Jun 2019 12:58 pm
Operator : D.LIPANI
Sample : STD #2-1.0 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 17 08:23:35 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:23:28 2019
Response via : Initial Calibration







TIC: E1888.D\data.ms

(58) Methyl Methacrylate

7.329min (-0.000) 0.72 ug/L

response 1870

Ion	Exp%	Act%
69.00	100	100
41.10	153.30	137.07
100.00	36.20	62.74#
0.00	0.00	0.00

Manual Integration:

Before

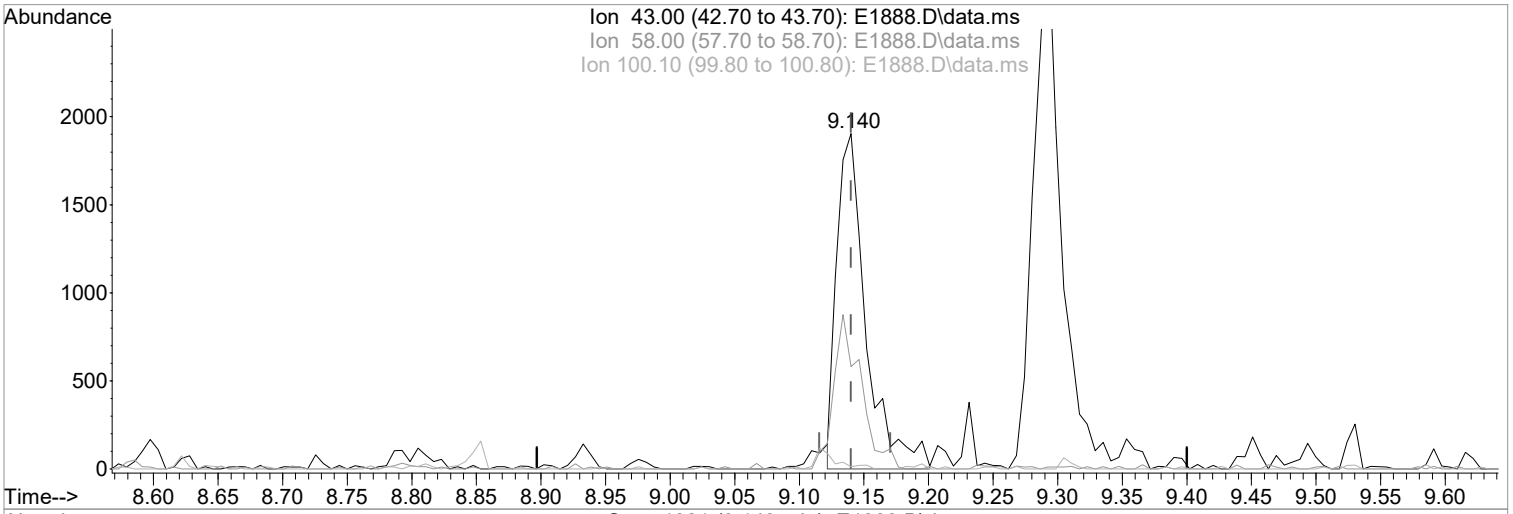
06/17/19

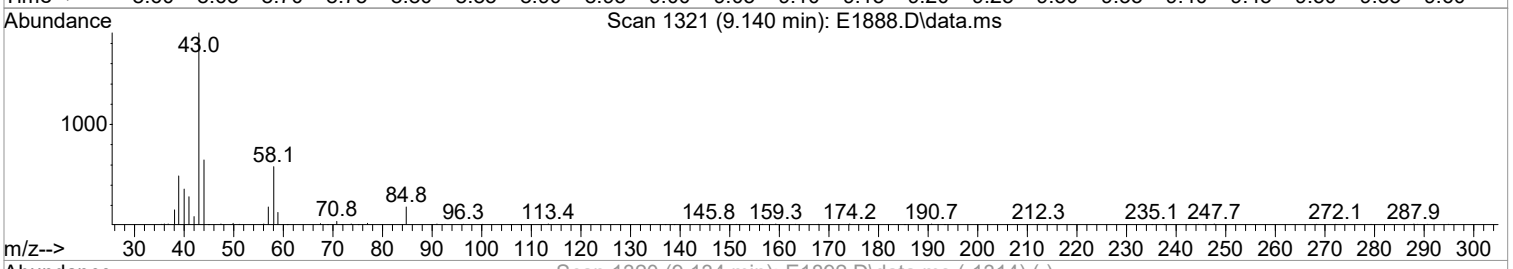
1st DL 06/17/19
2nd FJ 06/18/19

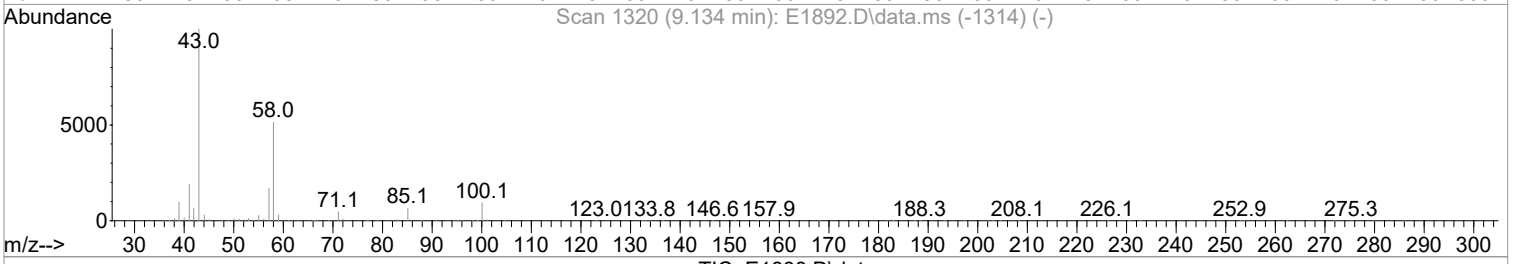
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1888.D
Acq On : 16 Jun 2019 12:58 pm
Operator : D.LIPANI
Sample : STD #2-1.0 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 17 08:23:35 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:23:28 2019
Response via : Initial Calibration







TIC: E1888.D\data.ms

(72) 2-Hexanone (P)

9.140min (-0.000) 0.90 ug/L m

response 2999

Ion	Exp%	Act%
43.00	100	100
58.00	51.20	30.55#
100.10	9.30	0.63
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

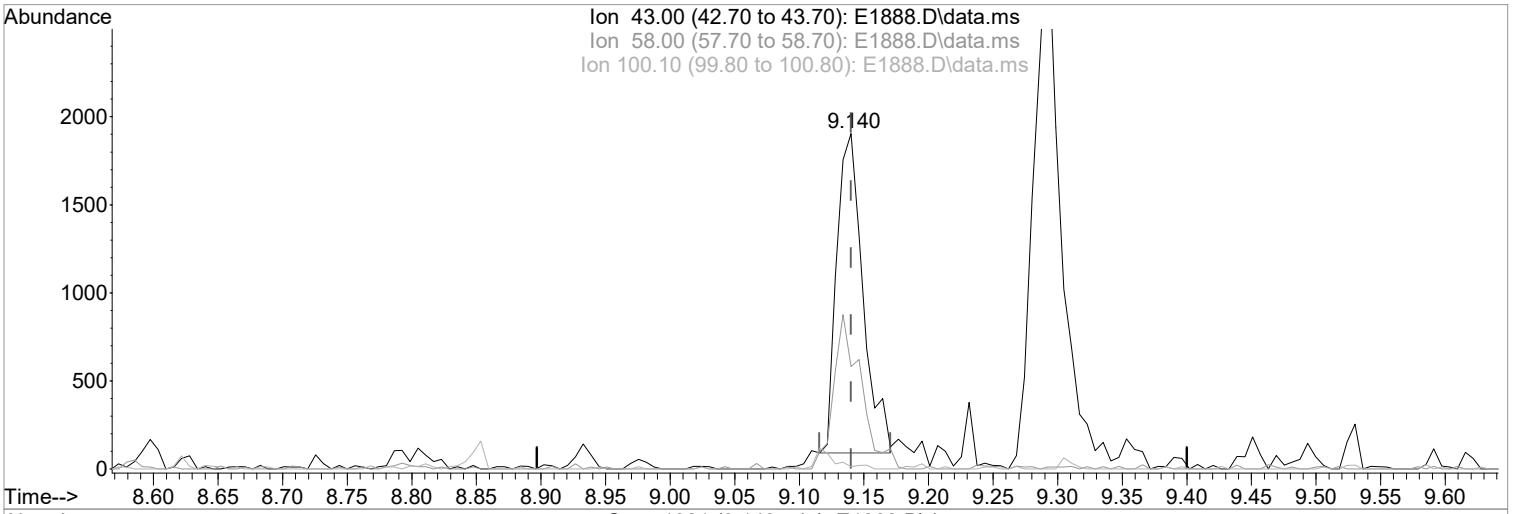
06/17/19

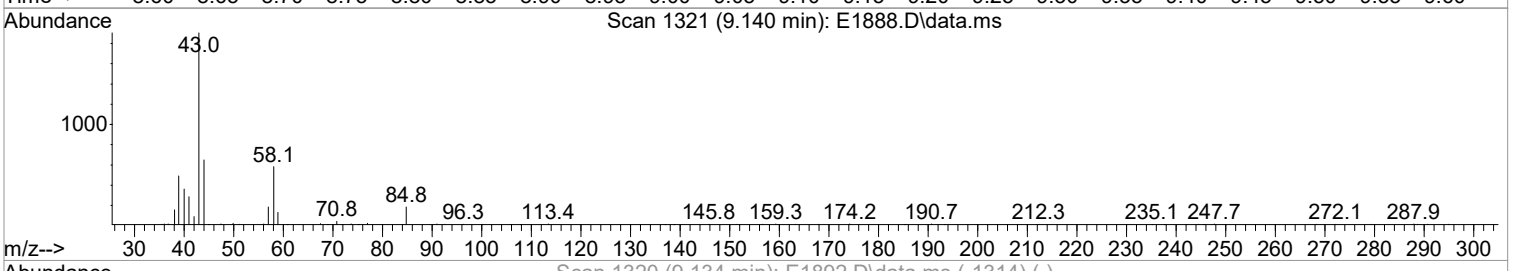
1st DL 06/17/19
2nd FJ 06/18/19

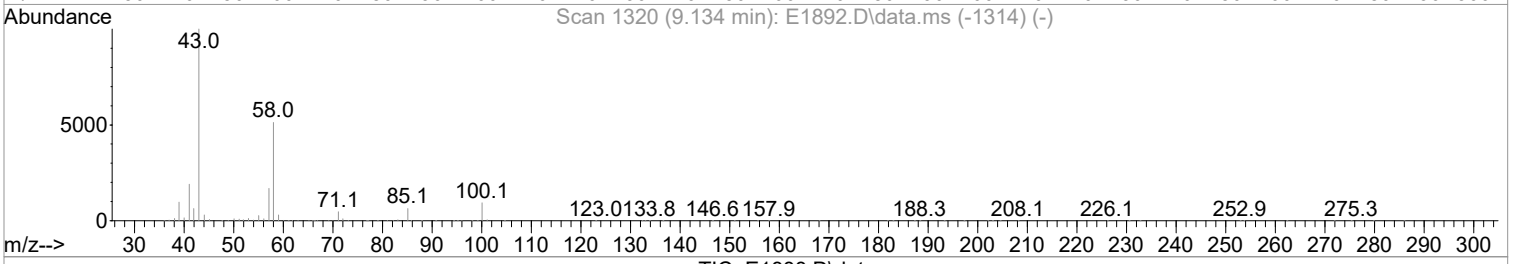
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1888.D
Acq On : 16 Jun 2019 12:58 pm
Operator : D.LIPANI
Sample : STD #2-1.0 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 17 08:23:35 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:23:28 2019
Response via : Initial Calibration







TIC: E1888.D\data.ms

(72) 2-Hexanone (P)

9.140min (-0.000) 0.76 ug/L

response 2549

Ion	Exp%	Act%
43.00	100	100
58.00	51.20	30.55#
100.10	9.30	0.63
0.00	0.00	0.00

Manual Integration:

Before

06/17/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1888.D
Acq On : 16 Jun 2019 12:58 pm
Operator : D.LIPANI
Sample : STD #2-1.0 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 17 08:31:38 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:23:28 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.391	168	266811	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.488	114	392658	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	345910	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	184773	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.244	113	27315	10.65	ug/L		0.01
Spiked Amount 50.000	Range 89 - 119		Recovery = 21.30%#				
46) surr1,1,2-dichloroetha...	5.781	65	36118	10.09	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 20.18%#				
64) SURR3,Toluene-d8	8.311	98	108000	10.18	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 20.36%#				
69) SURR2,BFB	10.877	95	36936	9.12	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 18.24%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.154	85	3737	0.97	ug/L		86
3) Chloromethane	1.282	50	5020	0.97	ug/L		88
4) Vinyl Chloride	1.355	62	3341m	0.74	ug/L		
5) Bromomethane	1.587	94	3073	0.81	ug/L		83
6) Chloroethane	1.666	64	2234	0.77	ug/L		88
7) Freon 21	1.812	67	4630	0.73	ug/L		98
8) Trichlorofluoromethane	1.855	101	3870	0.89	ug/L		79
9) Diethyl Ether	2.093	59	2638	0.88	ug/L	#	75
10) Freon 123a	2.099	67	3270	0.87	ug/L		89
11) Freon 123	2.154	83	3394	0.83	ug/L		77
12) Acrolein	2.196	56	2494	3.36	ug/L		98
13) 1,1-Diclethene	2.282	96	2490	0.92	ug/L	#	70
14) Freon 113	2.294	101	2357	0.92	ug/L		83
15) Acetone	2.330	43	1940	1.08	ug/L		73
16) 2-Propanol	2.464	45	3683m	9.77	ug/L		
17) Iodomethane	2.416	142	707	0.22	ug/L		77
18) Carbon Disulfide	2.477	76	6777	0.83	ug/L		97
19) Acetonitrile	2.580	41	2272m	3.53	ug/L		
20) Allyl Chloride	2.617	76	1409	0.88	ug/L	#	58
21) Methyl Acetate	2.653	43	3811	0.98	ug/L		90
22) Methylene Chloride	2.733	84	3067	0.96	ug/L		89
23) TBA	2.873	59	6804	12.04	ug/L		85
24) Acrylonitrile	2.989	53	8196	4.73	ug/L		93
25) Methyl-t-Butyl Ether	3.044	73	8148	0.80	ug/L		87
26) trans-1,2-Dichloroethene	3.031	96	2773	0.96	ug/L		89
27) 1,1-Diclethane	3.531	63	5585	0.90	ug/L		97
28) Vinyl Acetate	3.629	86	342m	0.51	ug/L		
29) DIPE	3.653	45	10824	0.92	ug/L		78
30) 2-Chloro-1,3-Butadiene	3.653	53	4366	0.90	ug/L		92
31) ETBE	4.184	59	7848	0.79	ug/L		90
32) 2,2-Dichloropropane	4.373	77	3232	0.68	ug/L		84
33) cis-1,2-Dichloroethene	4.373	96	3448m	1.05	ug/L		
34) 2-Butanone	4.440	43	2605	1.08	ug/L		87
35) Propionitrile	4.519	54	3315m	4.70	ug/L		
36) Bromochloromethane	4.781	130	2060m	1.03	ug/L		
37) Methacrylonitrile	4.769	67	1642m	0.88	ug/L		
38) Tetrahydrofuran	4.879	42	1775	1.06	ug/L		99
39) Chloroform	4.964	83	5137	0.95	ug/L		81
40) 1,1,1-Trichloroethane	5.238	97	3649m	0.82	ug/L		

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1888.D
Acq On : 16 Jun 2019 12:58 pm
Operator : D.LIPANI
Sample : STD #2-1.0 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 17 08:31:38 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:23:28 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42) Cyclohexane	5.336	41	3883	1.11 ug/L	87
44) Carbontetrachloride	5.531	117	2861	0.87 ug/L	90
45) 1,1-Dichloropropene	5.543	75	3651	0.91 ug/L	85
47) Benzene	5.860	78	11984	1.00 ug/L	94
48) 1,2-Dichloroethane	5.897	62	4307	0.92 ug/L	76
49) Iso-Butyl Alcohol	5.878	43	3071	11.95 ug/L	88
50) TAME	6.110	73	7508	0.88 ug/L	80
51) n-Heptane	6.348	43	4110	0.93 ug/L	82
52) 1-Butanol	6.860	56	3374	23.27 ug/L	100
53) Trichloroethene	6.817	130	3288	1.11 ug/L #	74
54) Methylcyclohexane	7.061	55	3800	0.92 ug/L #	76
55) 1,2-Diclpropane	7.104	63	3249	0.95 ug/L	94
56) Dibromomethane	7.244	93	1773	0.91 ug/L	89
57) 1,4-Dioxane	7.317	88	1175	21.24 ug/L #	60
58) Methyl Methacrylate	7.329	69	1908m	0.74 ug/L	
59) Bromodichloromethane	7.470	83	3493	0.93 ug/L	94
60) 2-Nitropropane	7.756	41	1729	1.51 ug/L	92
61) 2-Chloroethylvinyl Ether	7.884	63	1648	0.93 ug/L	78
62) cis-1,3-Dichloropropene	8.012	75	4164	0.86 ug/L	87
63) 4-Methyl-2-pentanone	8.226	43	3777	0.87 ug/L	87
65) Toluene	8.384	91	12479	0.98 ug/L	92
66) trans-1,3-Dichloropropene	8.652	75	3163	0.73 ug/L	85
67) Ethyl Methacrylate	8.799	69	2722	0.60 ug/L	85
68) 1,1,2-Trichloroethane	8.841	97	2875	1.04 ug/L	89
71) Tetrachloroethene	8.975	164	2476	1.13 ug/L #	83
72) 2-Hexanone	9.140	43	2999m	0.90 ug/L	
73) 1,3-Dichloropropane	9.012	76	4889	0.96 ug/L	95
74) Dibromochloromethane	9.238	129	2265	0.83 ug/L	82
75) N-Butyl Acetate	9.292	43	4460	0.69 ug/L	89
76) 1,2-Dibromoethane	9.335	107	2218	0.81 ug/L	99
77) 3-Chlorobenzotrifluoride	9.853	180	4299	1.07 ug/L	97
78) Chlorobenzene	9.829	112	7570	0.98 ug/L	88
79) 4-Chlorobenzotrifluoride	9.902	180	3816	1.05 ug/L	87
80) 1,1,1,2-Tetrachloroethane	9.914	131	2120	0.82 ug/L	89
81) Ethylbenzene	9.951	106	3843	0.94 ug/L	99
82) (m+p)Xylene	10.061	106	9190	1.77 ug/L #	87
83) o-Xylene	10.420	106	4571	0.90 ug/L	100
84) Styrene	10.432	104	7612	0.90 ug/L	95
85) Bromoform	10.585	173	1616	0.90 ug/L	100
86) 2-Chlorobenzotrifluoride	10.664	180	3991	0.99 ug/L	98
87) Isopropylbenzene	10.756	105	11482	0.87 ug/L	91
88) Cyclohexanone	10.817	55	11656	16.02 ug/L	93
89) trans-1,4-Dichloro-2-B...	11.066	53	675	0.60 ug/L	72
91) 1,1,2,2-Tetrachloroethane	11.018	83	3706	0.90 ug/L	96
92) Bromobenzene	11.005	156	3471	1.05 ug/L #	76
93) 1,2,3-Trichloropropane	11.036	110	1318	1.07 ug/L #	74
94) n-Propylbenzene	11.109	91	13732	0.86 ug/L	95
95) 2-Chlorotoluene	11.170	91	9580	1.02 ug/L	84
96) 3-Chlorotoluene	11.225	91	8844	0.94 ug/L	95
97) 4-Chlorotoluene	11.268	91	8534	0.78 ug/L	90
98) 1,3,5-Trimethylbenzene	11.262	105	9795	0.89 ug/L	98
99) tert-Butylbenzene	11.536	119	8755	0.94 ug/L	94
100) 1,2,4-Trimethylbenzene	11.572	105	9335	0.85 ug/L	87
101) 3,4-Dichlorobenzotrifl...	11.633	214	3426	1.05 ug/L	89
102) sec-Butylbenzene	11.719	105	12904	0.93 ug/L	91
103) p-Isopropyltoluene	11.835	119	10417	0.92 ug/L	90

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1888.D
Acq On : 16 Jun 2019 12:58 pm
Operator : D.LIPANI
Sample : STD #2-1.0 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 17 08:31:38 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:23:28 2019
Response via : Initial Calibration

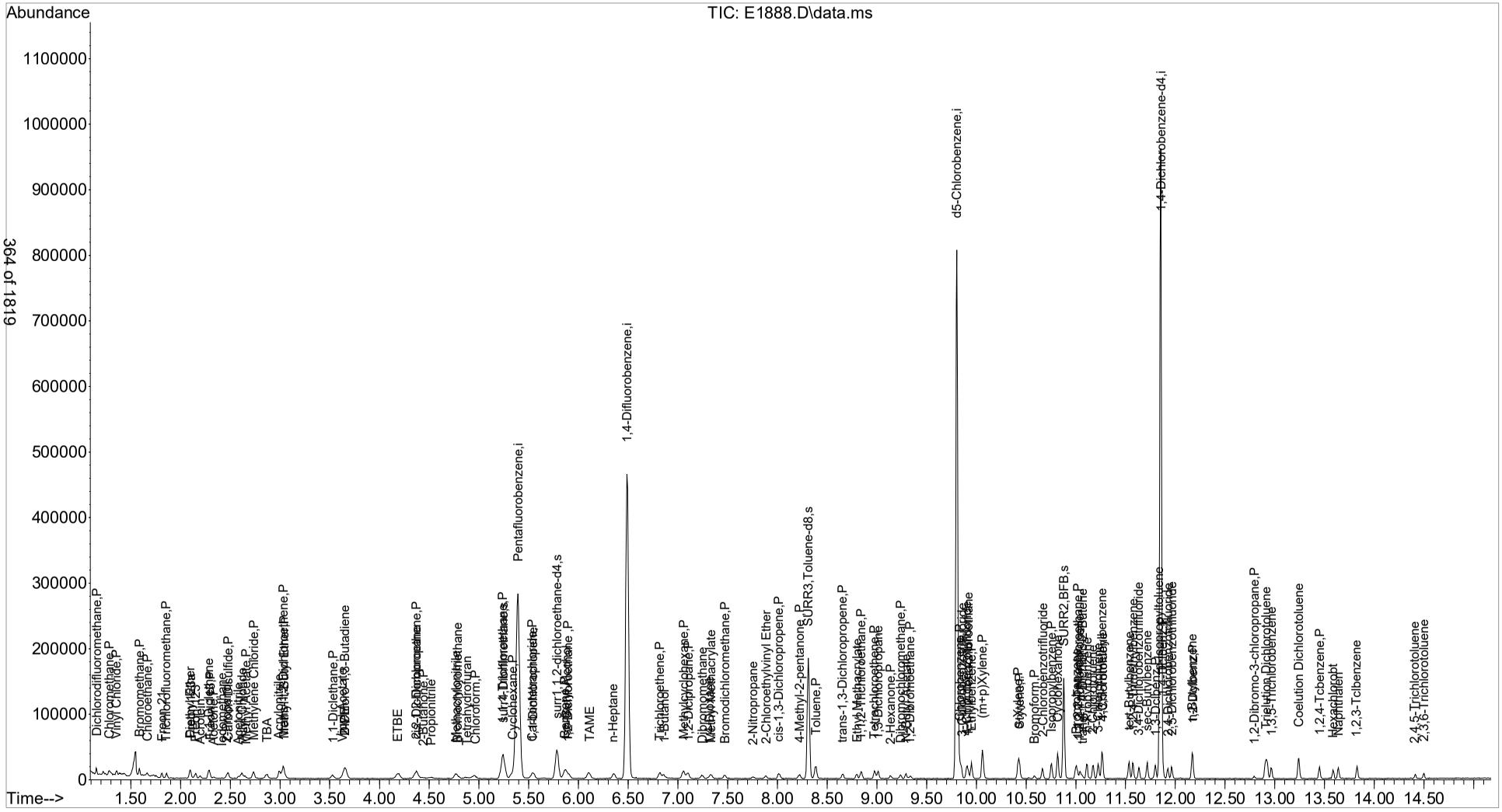
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.804	146	6273	1.02	ug/L	92
105) 1,4-Dclbenz	11.871	146	6412	1.03	ug/L	98
106) 2,4-Dichlorobenzotrifl...	11.926	214	2996	0.99	ug/L	95
107) 2,5-Dichlorobenzotrifl...	11.963	214	4216	1.27	ug/L	79
108) n-Butylbenzene	12.170	91	9016	0.80	ug/L	96
109) 1,2-Dclbenz	12.176	146	6518	1.05	ug/L	83
110) 1,2-Dibromo-3-chloropr...	12.792	157	634	0.72	ug/L	93
111) Trielution Dichlorotol...	12.908	125	14167	2.68	ug/L	84
112) 1,3,5-Trichlorobenzene	12.962	180	4423	0.98	ug/L	94
113) Coelution Dichlorotoluene	13.237	125	9694	1.69	ug/L	98
114) 1,2,4-Tcbenzene	13.450	180	4213	0.91	ug/L	94
115) Hexachlorobt	13.584	225	2128	1.10	ug/L	90
116) Naphthalen	13.639	128	9595	0.80	ug/L	99
117) 1,2,3-Tclbenzene	13.822	180	4190	0.95	ug/L	89
118) 2,4,5-Trichlorotoluene	14.407	159	1269	0.52	ug/L	80
119) 2,3,6-Trichlorotoluene	14.499	159	1370m	0.46	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1888.D
Acq On : 16 Jun 2019 12:58 pm
Operator : D.LIPANI
Sample : STD #2-1.0 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 17 08:31:38 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:23:28 2019
Response via : Initial Calibration



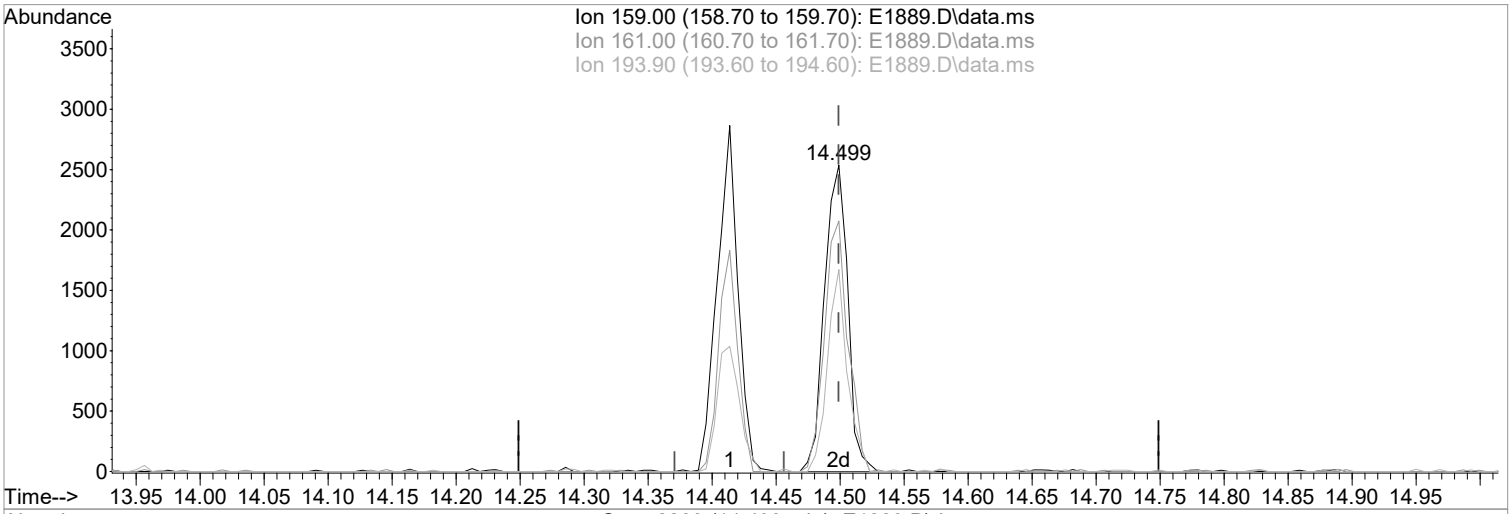
364 of 1819
1st 06/17/19
2nd 06/18/19

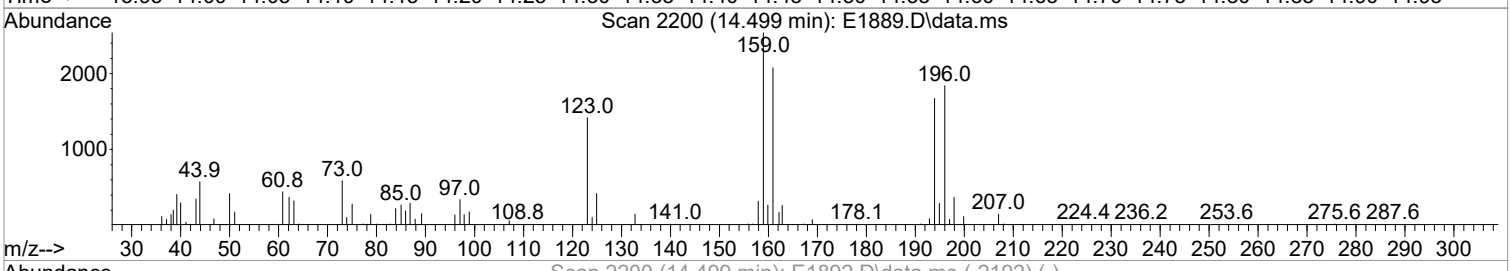
1st DL 06/17/19
2nd FW 06/18/19

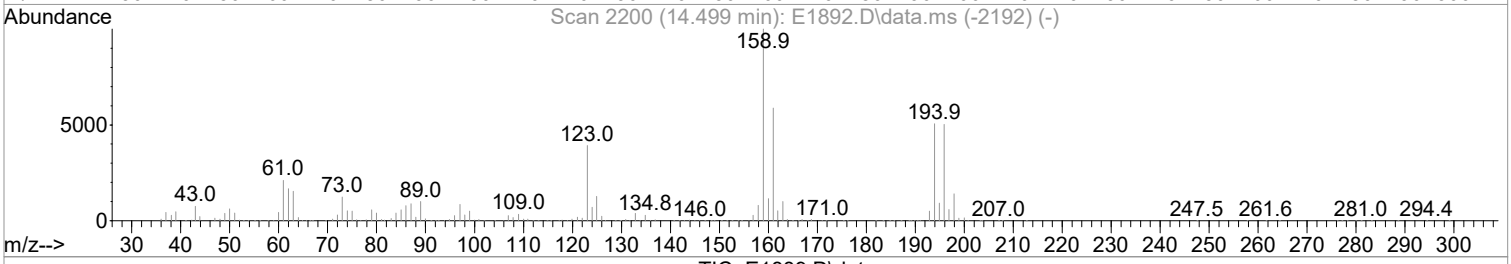
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1889.D
Acq On : 16 Jun 2019 1:20 pm
Operator : D.LIPANI
Sample : STD #3-2.0 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 17 08:34:02 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:33:18 2019
Response via : Initial Calibration







TIC: E1889.D\data.ms

(119) 2,3,6-Trichlorotoluene

14.499min (+0.000) 1.19 ug/L m

response 3208

Ion	Exp%	Act%
159.00	100	100
161.00	58.80	81.85#
193.90	50.60	65.92
0.00	0.00	0.00

Manual Integration:

After

Wrong peak selected.

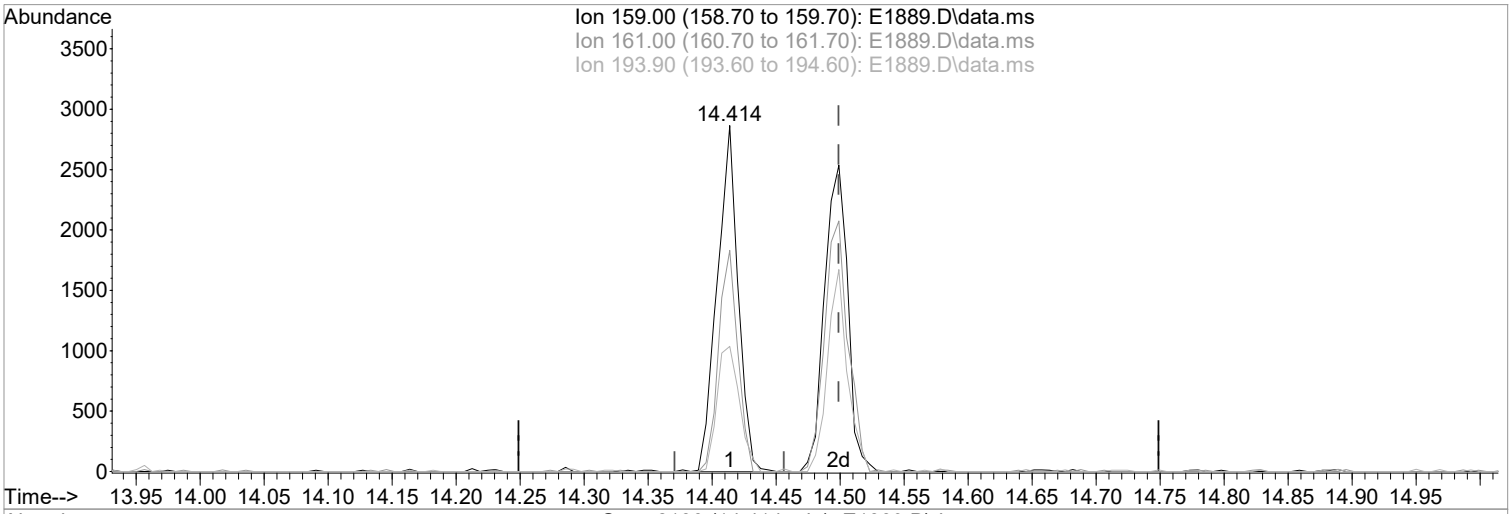
06/17/19

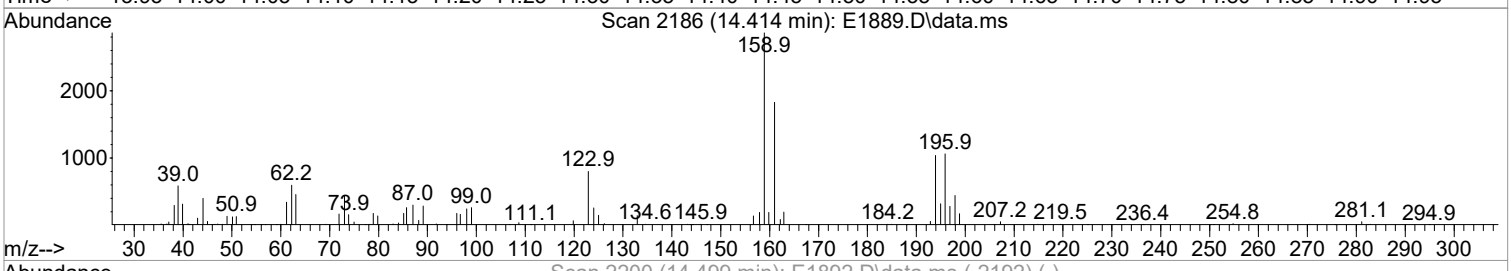
1st DL 06/17/19
2nd FW 06/18/19

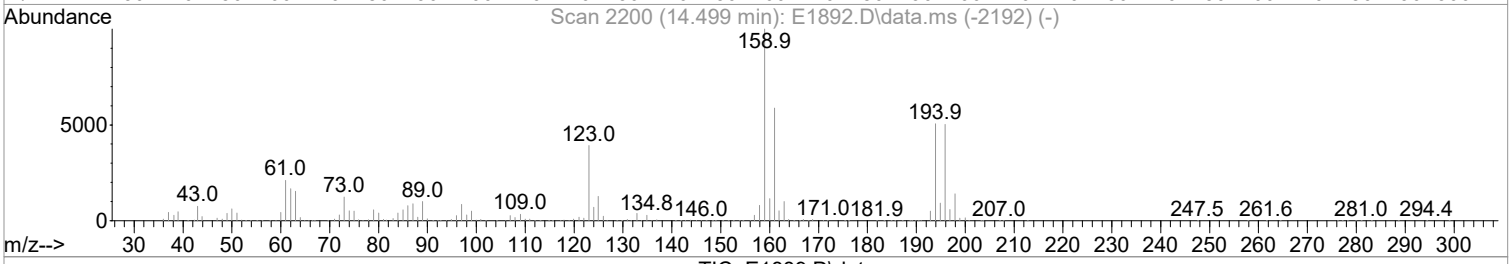
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1889.D
Acq On : 16 Jun 2019 1:20 pm
Operator : D.LIPANI
Sample : STD #3-2.0 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 17 08:34:02 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:33:18 2019
Response via : Initial Calibration







TIC: E1889.D\data.ms

(119) 2,3,6-Trichlorotoluene

14.414min (-0.085) 1.21 ug/L

response 3261

Ion	Exp%	Act%
159.00	100	100
161.00	58.80	63.90
193.90	50.60	36.21
0.00	0.00	0.00

Manual Integration:

Before

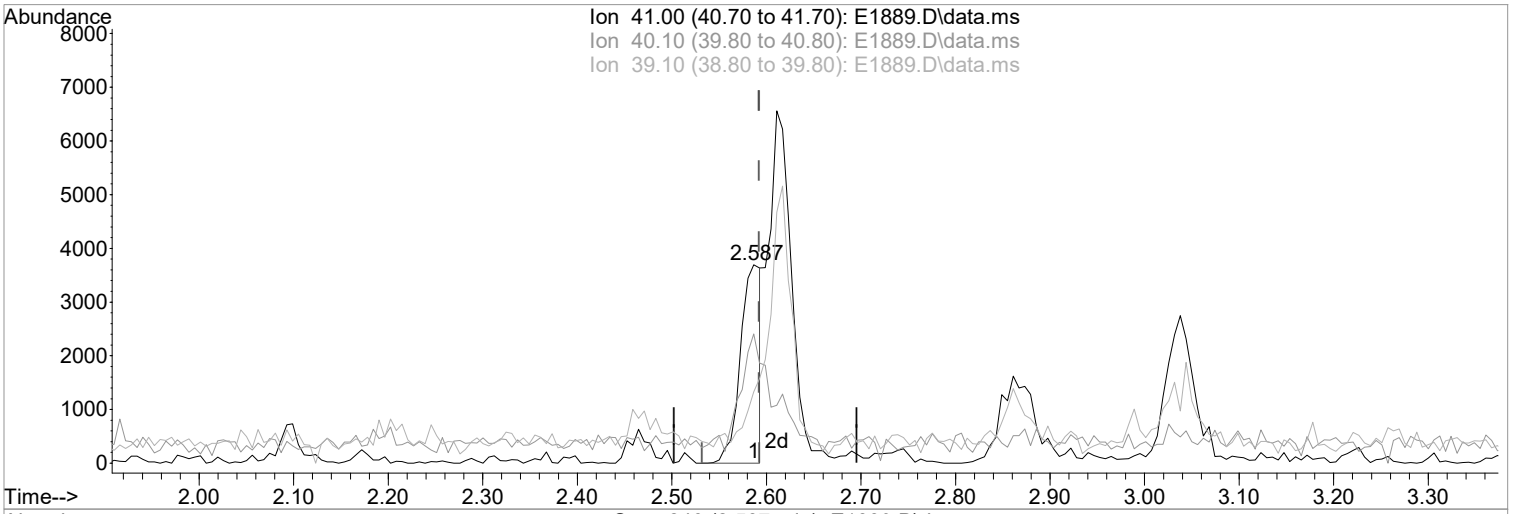
06/17/19

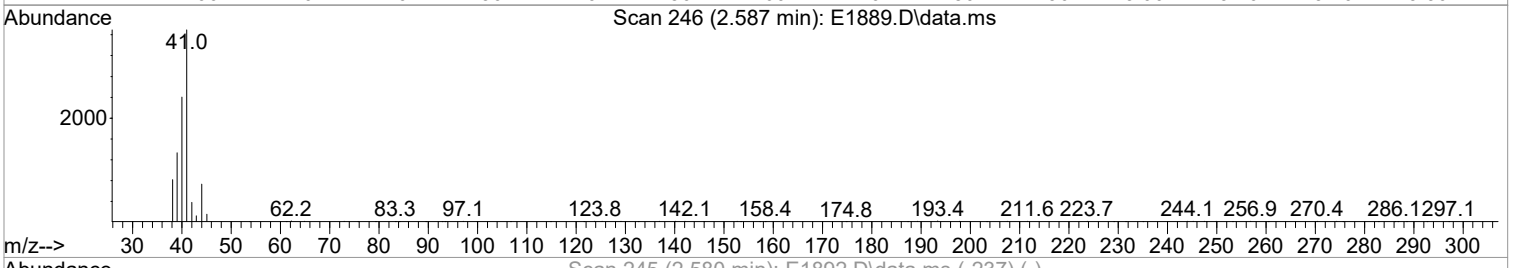
1st DL 06/17/19
2nd FW 06/18/19

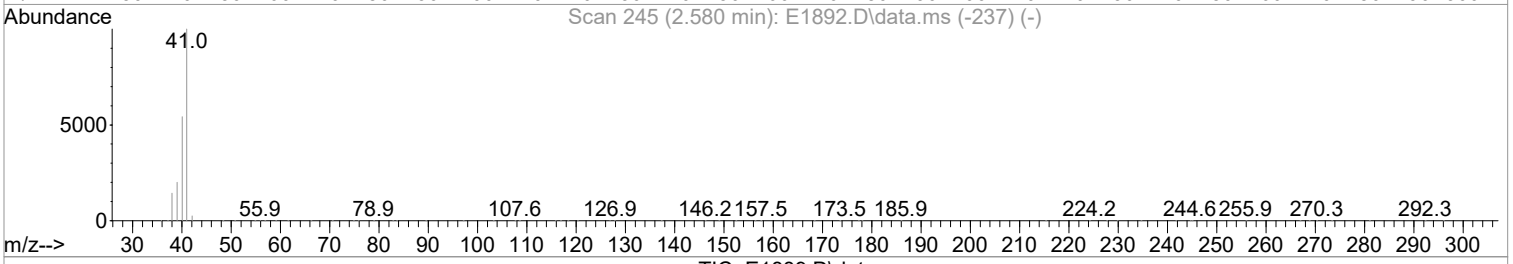
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1889.D
Acq On : 16 Jun 2019 1:20 pm
Operator : D.LIPANI
Sample : STD #3-2.0 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 17 08:34:02 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:33:18 2019
Response via : Initial Calibration







TIC: E1889.D\data.ms

(19) Acetonitrile

2.587min (-0.006) 8.64 ug/L

response 5557

Ion	Exp%	Act%
41.00	100	100
40.10	54.40	65.12
39.10	21.00	36.02
0.00	0.00	0.00

Manual Integration:

Before

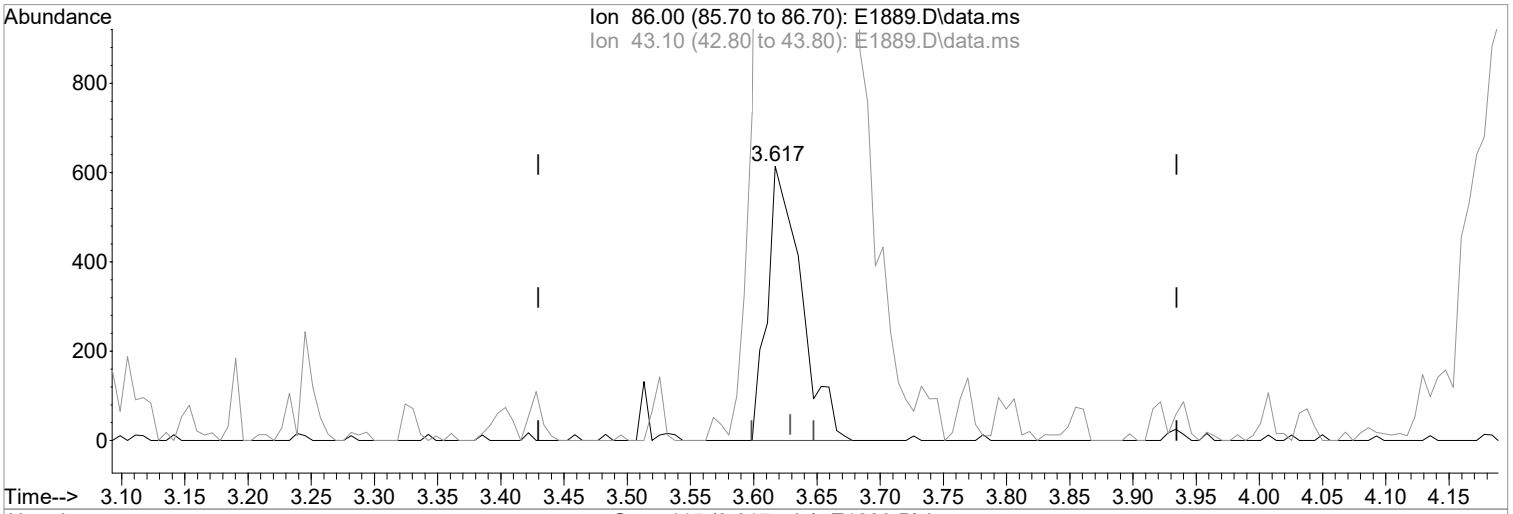
06/17/19

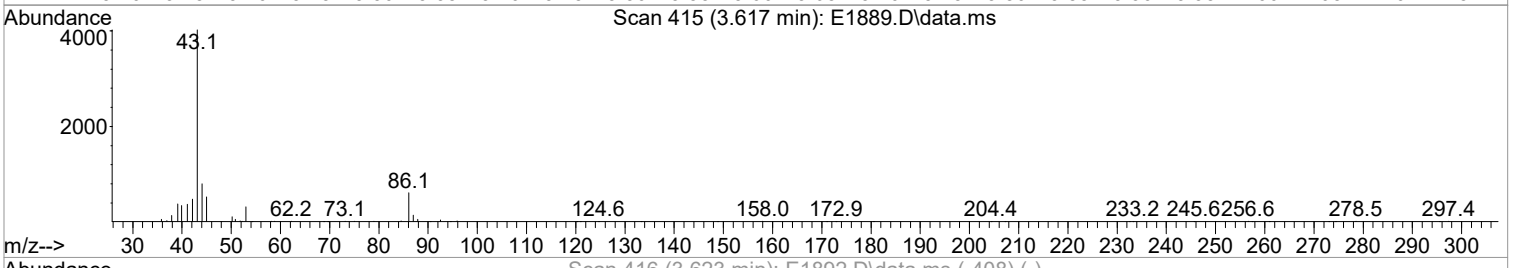
1st DL 06/17/19
2nd FJ 06/18/19

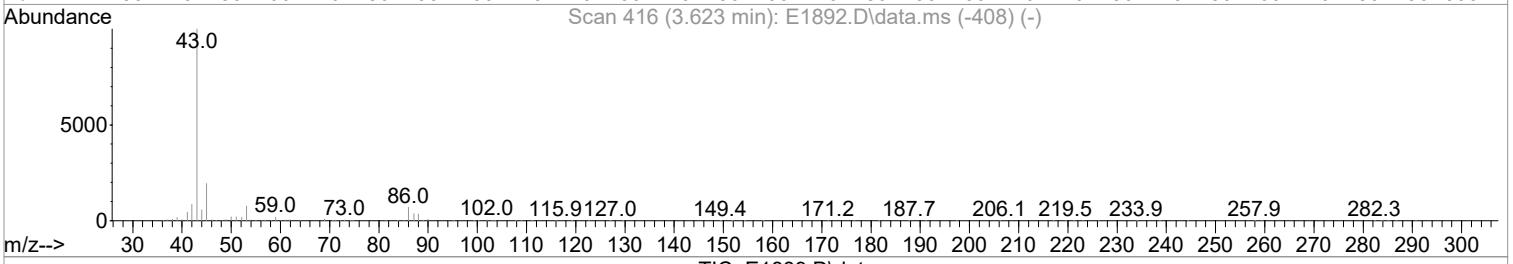
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1889.D
Acq On : 16 Jun 2019 1:20 pm
Operator : D.LIPANI
Sample : STD #3-2.0 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 17 08:34:02 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:33:18 2019
Response via : Initial Calibration







TIC: E1889.D\data.ms

(28) Vinyl Acetate

3.617min (-0.012) 1.68 ug/L m

response 1150

Ion	Exp%	Act%
86.00	100	100
43.10	1436.50	655.05#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

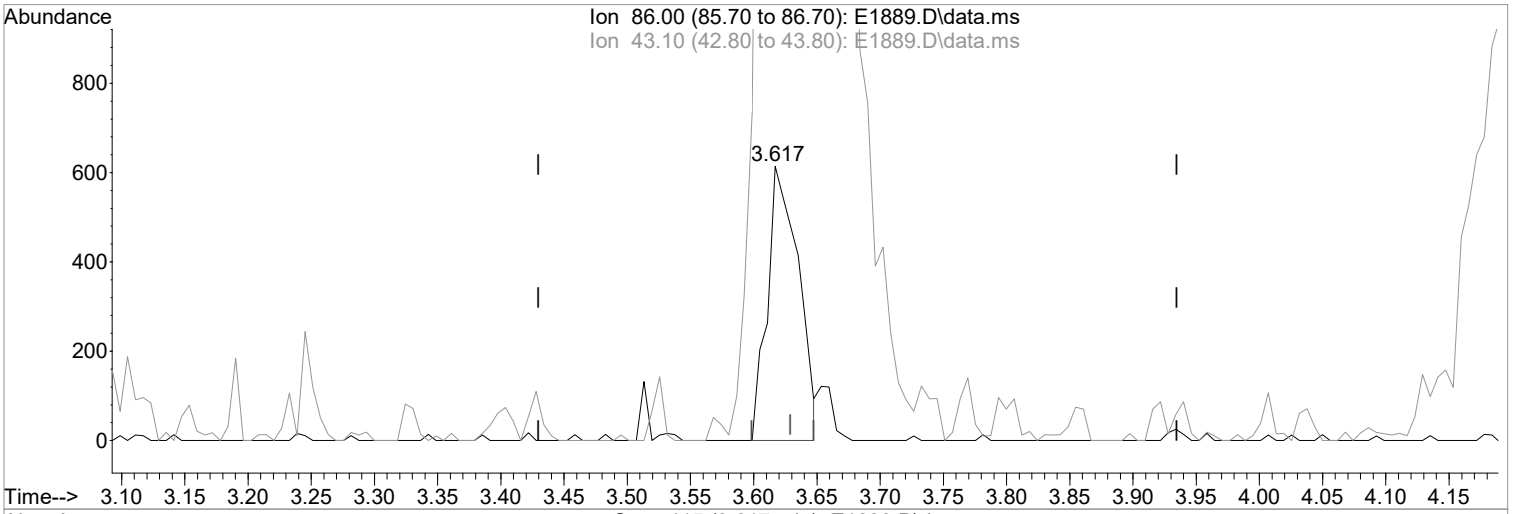
06/17/19

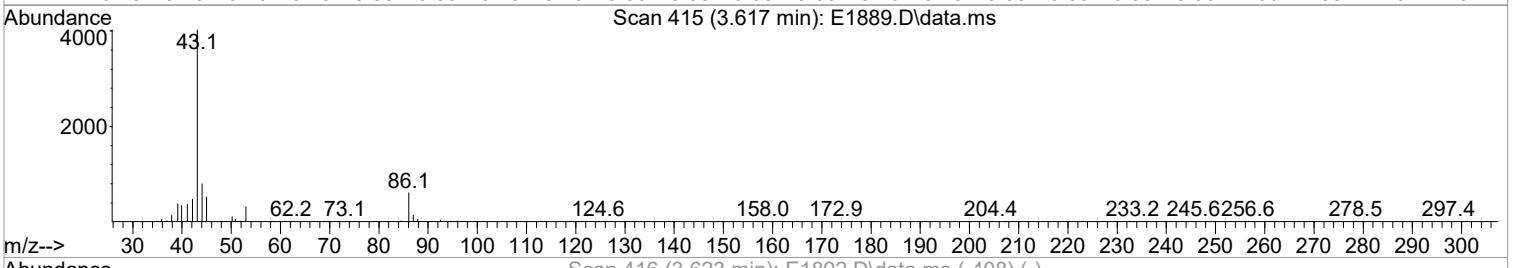
1st DL 06/17/19
2nd FJ 06/18/19

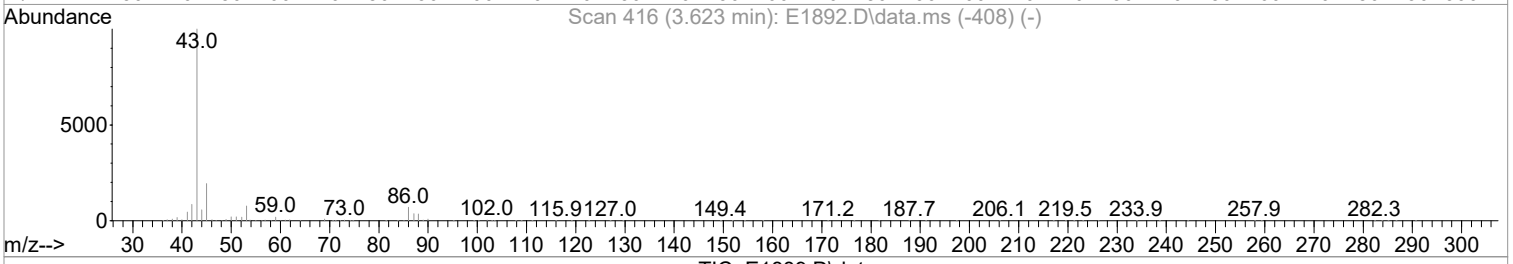
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1889.D
Acq On : 16 Jun 2019 1:20 pm
Operator : D.LIPANI
Sample : STD #3-2.0 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 17 08:34:02 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:33:18 2019
Response via : Initial Calibration







TIC: E1889.D\data.ms

(28) Vinyl Acetate

3.617min (-0.012) 1.53 ug/L

response 1050

Ion	Exp%	Act%
86.00	100	100
43.10	1436.50	655.05#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

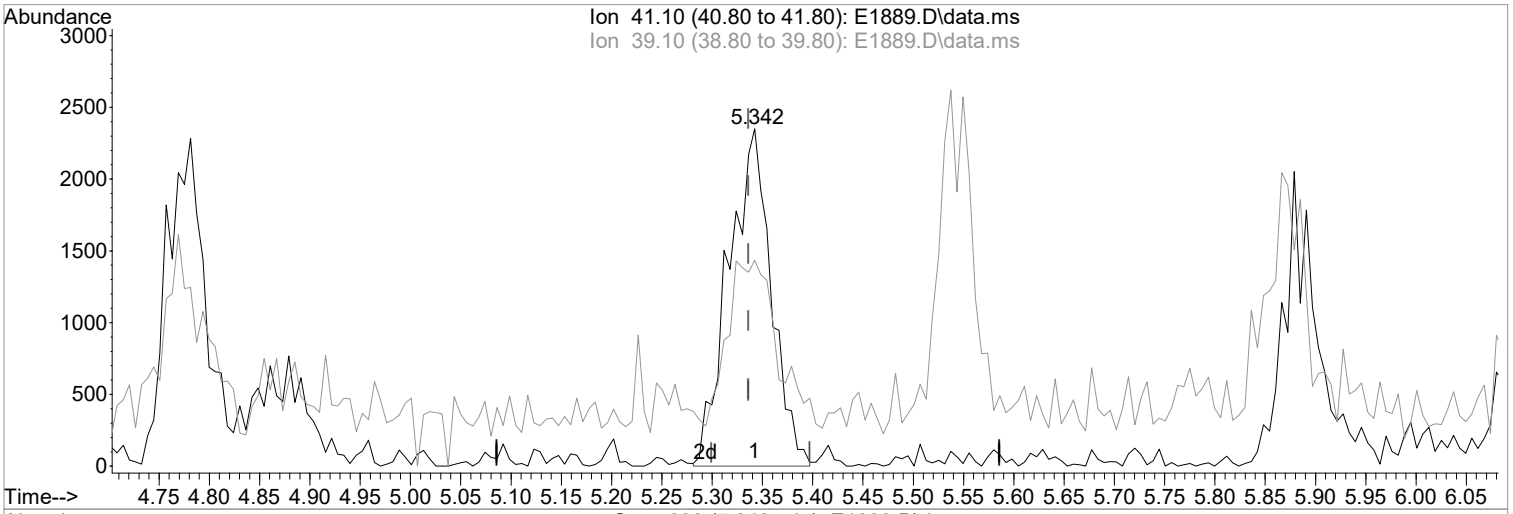
06/17/19

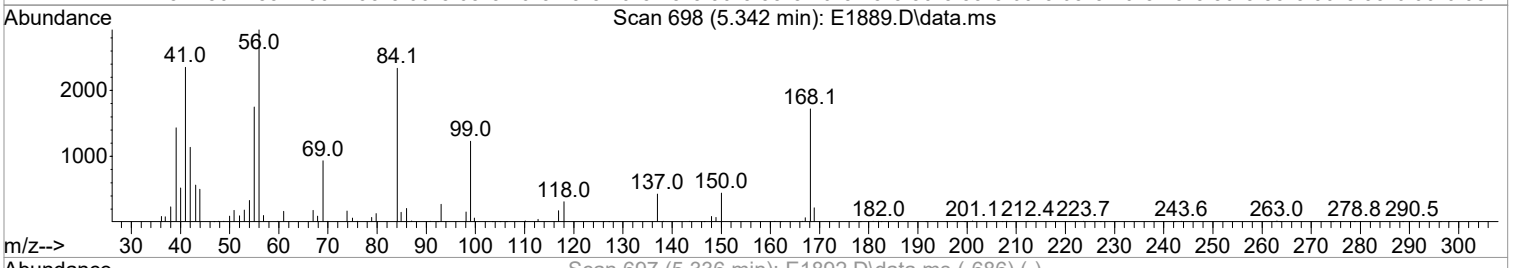
1st DL 06/17/19
2nd FJ 06/18/19

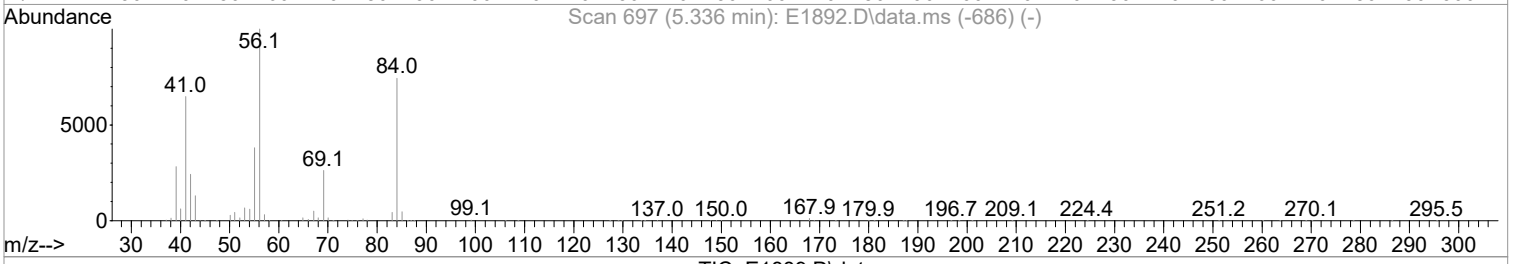
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1889.D
Acq On : 16 Jun 2019 1:20 pm
Operator : D.LIPANI
Sample : STD #3-2.0 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 17 08:34:02 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:33:18 2019
Response via : Initial Calibration







TIC: E1889.D\data.ms

(42) Cyclohexane (P)

5.342min (+0.006) 1.99 ug/L m

response 6912

Ion	Exp%	Act%
41.10	100	100
39.10	44.60	61.04
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

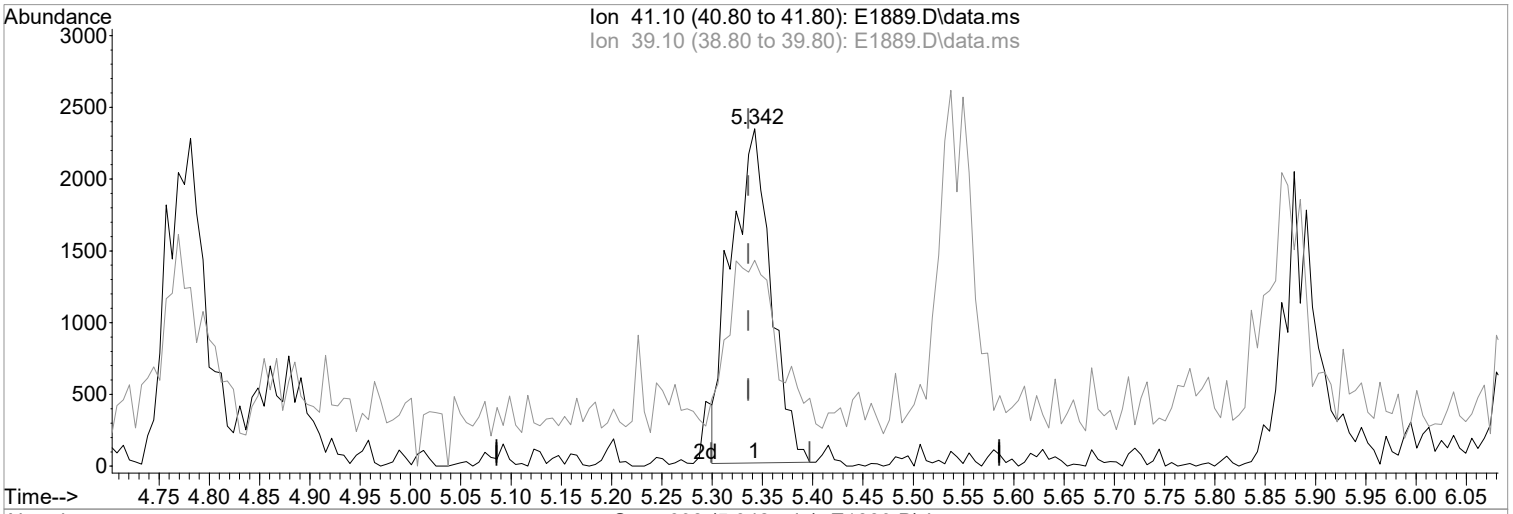
06/17/19

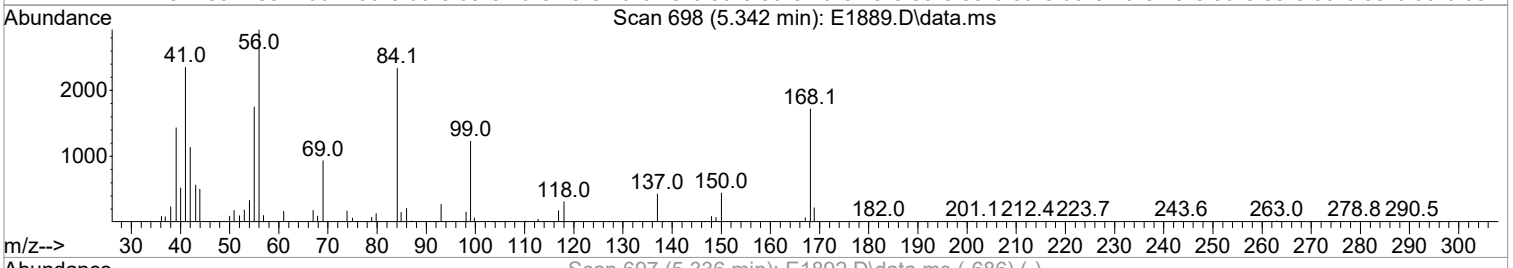
1st DL 06/17/19
2nd FW 06/18/19

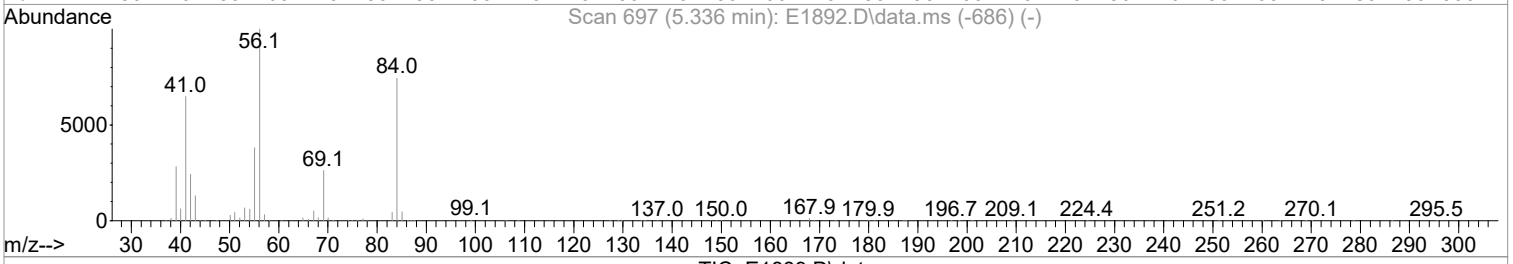
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1889.D
Acq On : 16 Jun 2019 1:20 pm
Operator : D.LIPANI
Sample : STD #3-2.0 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 17 08:34:02 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:33:18 2019
Response via : Initial Calibration







TIC: E1889.D\data.ms

(42) Cyclohexane (P)

5.342min (+0.006) 1.85 ug/L

response 6431

Ion	Exp%	Act%
41.10	100	100
39.10	44.60	61.04
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

06/17/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1889.D
Acq On : 16 Jun 2019 1:20 pm
Operator : D.LIPANI
Sample : STD #3-2.0 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 17 08:38:40 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:33:18 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.391	168	273789	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.488	114	394867	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	336396	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	182043	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.245	113	27154	10.52	ug/L		0.01
Spiked Amount 50.000	Range 89 - 119		Recovery = 21.04%#				
46) surr1,1,2-dichloroetha...	5.781	65	36095	10.03	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 20.06%#				
64) SURR3,Toluene-d8	8.311	98	107054	10.03	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 20.06%#				
69) SURR2,BFB	10.878	95	37860	9.29	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 18.58%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.154	85	7847	2.00	ug/L		93
3) Chloromethane	1.282	50	9925	1.87	ug/L		92
4) Vinyl Chloride	1.355	62	7616	1.69	ug/L		94
5) Bromomethane	1.581	94	5731	1.55	ug/L		80
6) Chloroethane	1.660	64	4263	1.51	ug/L		90
7) Freon 21	1.812	67	9735	1.54	ug/L		94
8) Trichlorofluoromethane	1.861	101	8765	2.01	ug/L		91
9) Diethyl Ether	2.093	59	5349	1.76	ug/L	#	83
10) Freon 123a	2.099	67	7373	1.95	ug/L		95
11) Freon 123	2.154	83	7773	1.89	ug/L		91
12) Acrolein	2.196	56	6231	8.42	ug/L		97
13) 1,1-Diclethene	2.282	96	5111	1.89	ug/L	#	85
14) Freon 113	2.288	101	4869	1.87	ug/L		91
15) Acetone	2.331	43	4165	2.25	ug/L		92
16) 2-Propanol	2.471	45	9859	26.83	ug/L		88
17) Iodomethane	2.416	142	3119	0.94	ug/L		76
18) Carbon Disulfide	2.477	76	15395	1.89	ug/L		93
19) Acetonitrile	2.587	41	5557	8.64	ug/L		80
20) Allyl Chloride	2.617	76	2544	1.58	ug/L	#	90
21) Methyl Acetate	2.648	43	7687	1.96	ug/L		93
22) Methylene Chloride	2.733	84	6245	1.94	ug/L		89
23) TBA	2.867	59	13506	24.27	ug/L		88
24) Acrylonitrile	2.989	53	16418	9.23	ug/L		86
25) Methyl-t-Butyl Ether	3.038	73	17144	1.70	ug/L		95
26) trans-1,2-Dichloroethene	3.026	96	5536	1.90	ug/L		94
27) 1,1-Diclethane	3.532	63	11693	1.85	ug/L		91
28) Vinyl Acetate	3.617	86	1150m	1.68	ug/L		
29) DIPE	3.660	45	22667	1.90	ug/L		93
30) 2-Chloro-1,3-Butadiene	3.647	53	8488	1.75	ug/L		93
31) ETBE	4.184	59	15796	1.59	ug/L		96
32) 2,2-Dichloropropane	4.373	77	5405	1.16	ug/L		80
33) cis-1,2-Dichloroethene	4.379	96	5887	1.76	ug/L	#	65
34) 2-Butanone	4.422	43	4968	2.01	ug/L		87
35) Propionitrile	4.507	54	6780	9.36	ug/L		93
36) Bromochloromethane	4.763	130	3813	1.86	ug/L		93
37) Methacrylonitrile	4.794	67	3533	1.88	ug/L	#	60
38) Tetrahydrofuran	4.861	42	3727	2.16	ug/L		76
39) Chloroform	4.958	83	10688	1.98	ug/L		91
40) 1,1,1-Trichloroethane	5.251	97	7063	1.60	ug/L		90

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1889.D
Acq On : 16 Jun 2019 1:20 pm
Operator : D.LIPANI
Sample : STD #3-2.0 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 17 08:38:40 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:33:18 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Cyclohexane	5.342	41	6912m	1.99	ug/L		
44) Carbontetrachloride	5.537	117	4816	1.49	ug/L		95
45) 1,1-Dichloropropene	5.543	75	7553	1.90	ug/L		94
47) Benzene	5.867	78	24772	2.06	ug/L		87
48) 1,2-Dichloroethane	5.897	62	8483	1.84	ug/L		93
49) Iso-Butyl Alcohol	5.885	43	6498	26.39	ug/L	#	64
50) TAME	6.098	73	14583	1.73	ug/L		89
51) n-Heptane	6.360	43	8263	1.92	ug/L		91
52) 1-Butanol	6.848	56	7703	55.42	ug/L		81
53) Trichloroethene	6.824	130	5792	1.95	ug/L	#	84
54) Methylcyclohexane	7.049	55	8089	2.00	ug/L	#	69
55) 1,2-Diclpropane	7.098	63	6866	2.01	ug/L		94
56) Dibromomethane	7.238	93	3530	1.80	ug/L	#	73
57) 1,4-Dioxane	7.305	88	1956	34.61	ug/L	#	53
58) Methyl Methacrylate	7.336	69	4144	1.62	ug/L		90
59) Bromodichloromethane	7.464	83	6339	1.67	ug/L		93
60) 2-Nitropropane	7.750	41	3048	2.80	ug/L	#	79
61) 2-Chloroethylvinyl Ether	7.878	63	2963	1.65	ug/L		87
62) cis-1,3-Dichloropropene	8.019	75	7816	1.63	ug/L		95
63) 4-Methyl-2-pentanone	8.220	43	9132	2.09	ug/L		89
65) Toluene	8.384	91	25431	1.99	ug/L		96
66) trans-1,3-Dichloropropene	8.659	75	5819	1.37	ug/L		80
67) Ethyl Methacrylate	8.799	69	6366	1.45	ug/L		93
68) 1,1,2-Trichloroethane	8.842	97	5922	2.11	ug/L		88
71) Tetrachloroethene	8.976	164	4712	2.18	ug/L		92
72) 2-Hexanone	9.134	43	5595	1.72	ug/L		92
73) 1,3-Dichloropropane	9.012	76	9936	2.00	ug/L		82
74) Dibromochloromethane	9.238	129	4946	1.91	ug/L		96
75) N-Butyl Acetate	9.287	43	8688	1.42	ug/L		89
76) 1,2-Dibromoethane	9.335	107	4707	1.80	ug/L		91
77) 3-Chlorobenzotrifluoride	9.847	180	8449	2.12	ug/L		95
78) Chlorobenzene	9.829	112	15792	2.11	ug/L		93
79) 4-Chlorobenzotrifluoride	9.902	180	8232	2.34	ug/L		95
80) 1,1,1,2-Tetrachloroethane	9.915	131	4528	1.81	ug/L	#	82
81) Ethylbenzene	9.951	106	8286	2.10	ug/L		91
82) (m+p)Xylene	10.061	106	19733	3.94	ug/L		93
83) o-Xylene	10.421	106	9331	1.92	ug/L		95
84) Styrene	10.433	104	14772	1.79	ug/L		95
85) Bromoform	10.585	173	2793	1.57	ug/L		90
86) 2-Chlorobenzotrifluoride	10.664	180	7971	2.05	ug/L		100
87) Isopropylbenzene	10.756	105	24064	1.91	ug/L		96
88) Cyclohexanone	10.817	55	24035	33.64	ug/L		99
89) trans-1,4-Dichloro-2-B...	11.067	53	1795	1.67	ug/L		79
91) 1,1,2,2-Tetrachloroethane	11.018	83	8368	2.06	ug/L		82
92) Bromobenzene	11.000	156	6504	2.00	ug/L		90
93) 1,2,3-Trichloropropane	11.048	110	2181	1.79	ug/L		95
94) n-Propylbenzene	11.109	91	29117	1.91	ug/L		99
95) 2-Chlorotoluene	11.170	91	17841	1.93	ug/L		97
96) 3-Chlorotoluene	11.225	91	16872	1.87	ug/L		96
97) 4-Chlorotoluene	11.268	91	19656	1.87	ug/L		97
98) 1,3,5-Trimethylbenzene	11.262	105	19105	1.80	ug/L		96
99) tert-Butylbenzene	11.536	119	17139	1.90	ug/L		95
100) 1,2,4-Trimethylbenzene	11.573	105	19519	1.84	ug/L		98
101) 3,4-Dichlorobenzotrifl...	11.634	214	6848	2.11	ug/L		93
102) sec-Butylbenzene	11.719	105	24248	1.78	ug/L		97
103) p-Isopropyltoluene	11.841	119	19973	1.80	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1889.D
Acq On : 16 Jun 2019 1:20 pm
Operator : D.LIPANI
Sample : STD #3-2.0 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 17 08:38:40 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:33:18 2019
Response via : Initial Calibration

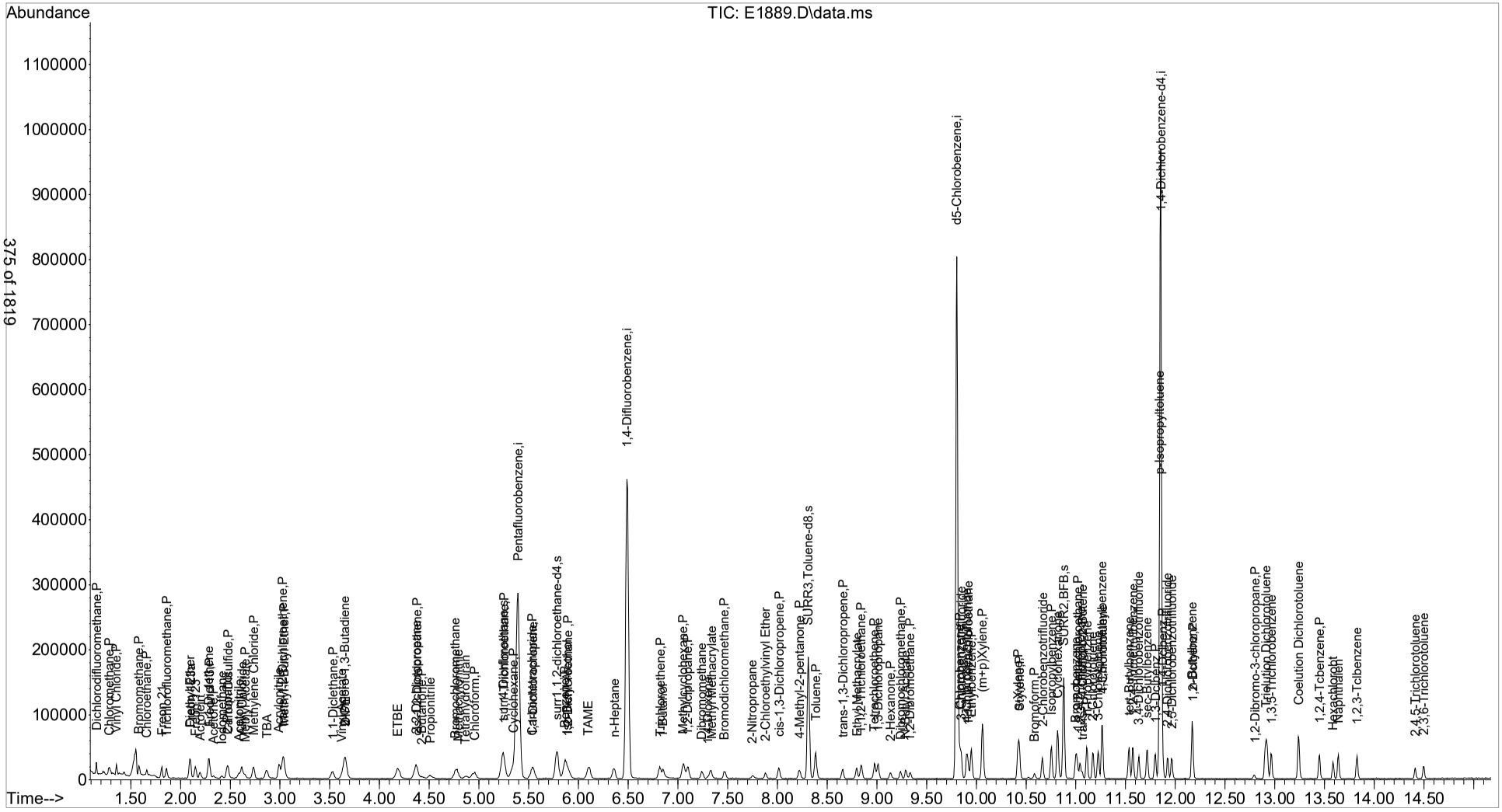
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
104) 1,3-Dclbenz	11.798	146	12034	1.97	ug/L		94
105) 1,4-Dclbenz	11.871	146	13472	2.20	ug/L		92
106) 2,4-Dichlorobenzotrifl...	11.920	214	5630	1.93	ug/L		95
107) 2,5-Dichlorobenzotrifl...	11.969	214	7429	2.17	ug/L		83
108) n-Butylbenzene	12.170	91	18763	1.71	ug/L		97
109) 1,2-Dclbenz	12.176	146	12602	2.04	ug/L		98
110) 1,2-Dibromo-3-chloropr...	12.798	157	976	1.15	ug/L	#	64
111) Trielution Dichlorotol...	12.914	125	28191	5.50	ug/L		96
112) 1,3,5-Trichlorobenzene	12.969	180	9032	2.03	ug/L		97
113) Coelution Dichlorotoluene	13.237	125	19723	3.58	ug/L		96
114) 1,2,4-Tcbenzene	13.450	180	8322	1.86	ug/L		95
115) Hexachlorobt	13.585	225	3878	2.01	ug/L	#	82
116) Naphthalen	13.639	128	21004	1.80	ug/L		99
117) 1,2,3-Tclbenzene	13.828	180	7865	1.84	ug/L		85
118) 2,4,5-Trichlorotoluene	14.414	159	3261	1.44	ug/L		91
119) 2,3,6-Trichlorotoluene	14.499	159	3208m	1.19	ug/L		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1889.D
Acq On : 16 Jun 2019 1:20 pm
Operator : D.LIPANI
Sample : STD #3-2.0 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 17 08:38:40 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:33:18 2019
Response via : Initial Calibration



375 of 1819

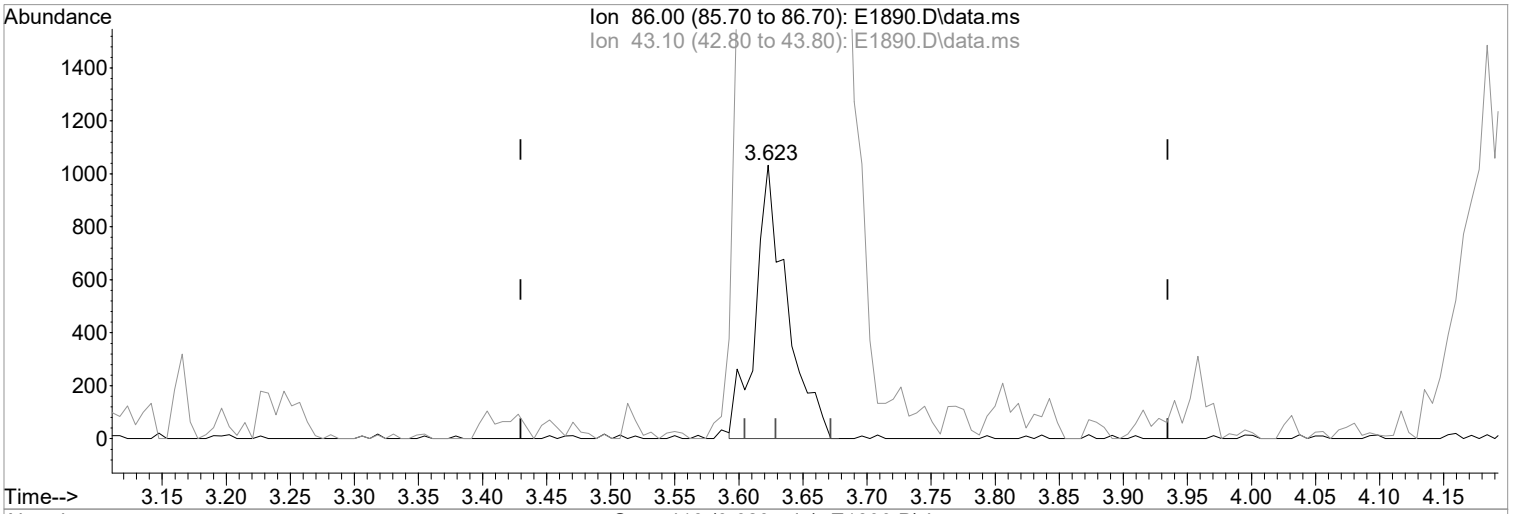
1st 06/17/19
2nd 06/18/19

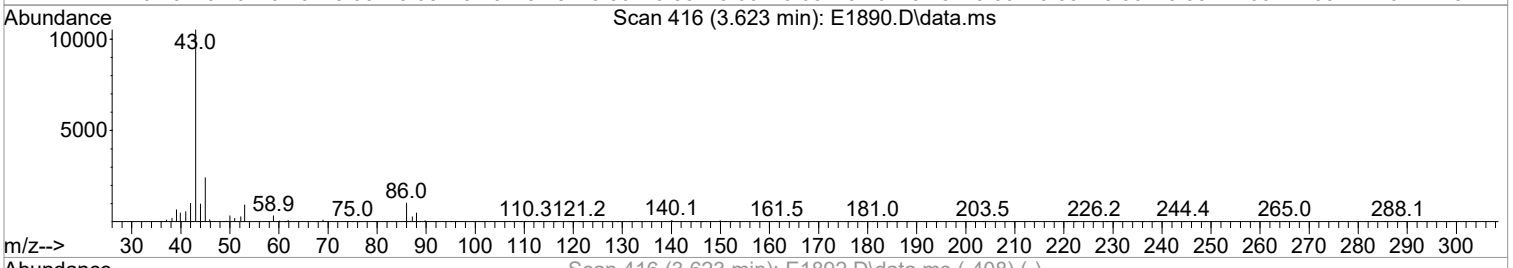
1st DL 06/17/19
2nd FW 06/18/19

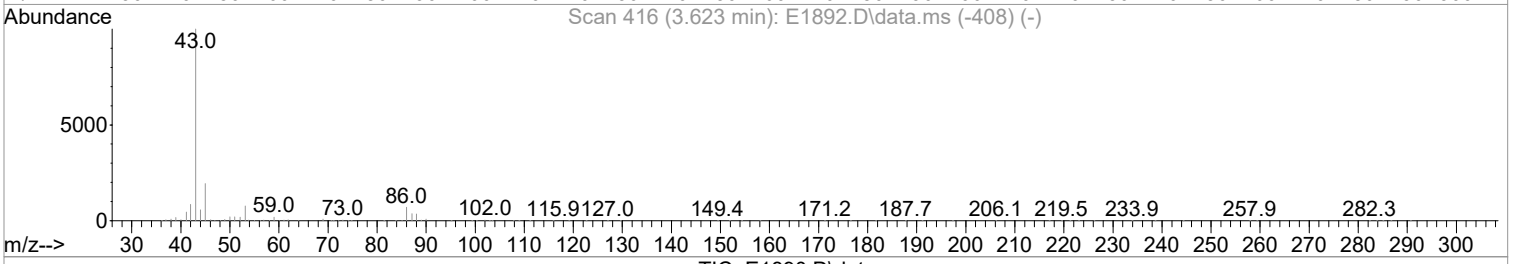
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1890.D
Acq On : 16 Jun 2019 1:42 pm
Operator : D.LIPANI
Sample : STD #4-5.0 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 17 08:39:19 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:33:18 2019
Response via : Initial Calibration







TIC: E1890.D\data.ms

(28) Vinyl Acetate

3.623min (-0.006) 2.76 ug/L m

response 1777

Ion	Exp%	Act%
86.00	100	100
43.10	1436.50	1017.91#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

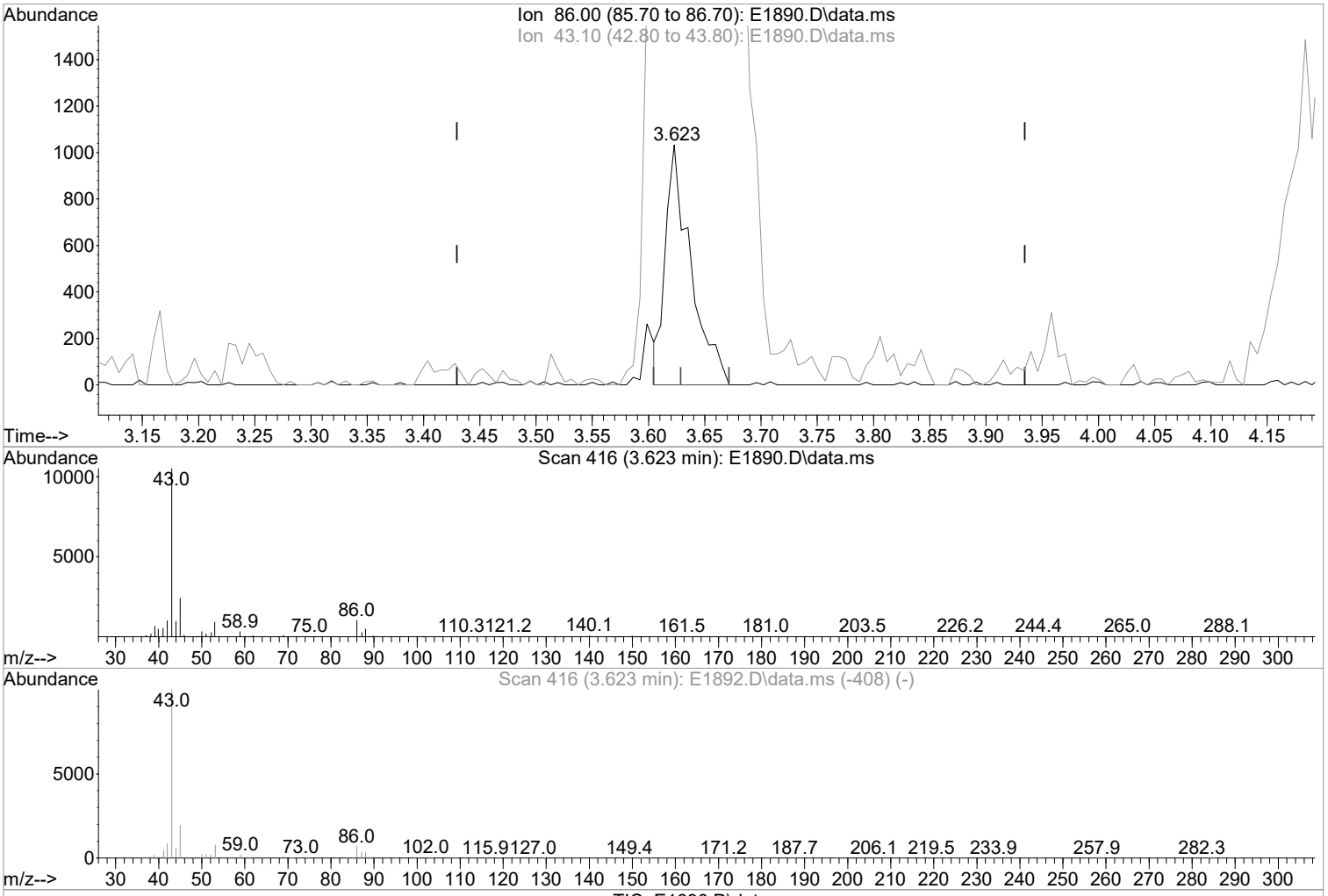
06/17/19

1st DL 06/17/19
2nd FJ 06/18/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1890.D
Acq On : 16 Jun 2019 1:42 pm
Operator : D.LIPANI
Sample : STD #4-5.0 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 17 08:39:19 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:33:18 2019
Response via : Initial Calibration



TIC: E1890.D\data.ms

(28) Vinyl Acetate

3.623min (-0.006) 2.50 ug/L

response 1614

Ion	Exp%	Act%
86.00	100	100
43.10	1436.50	1017.91#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

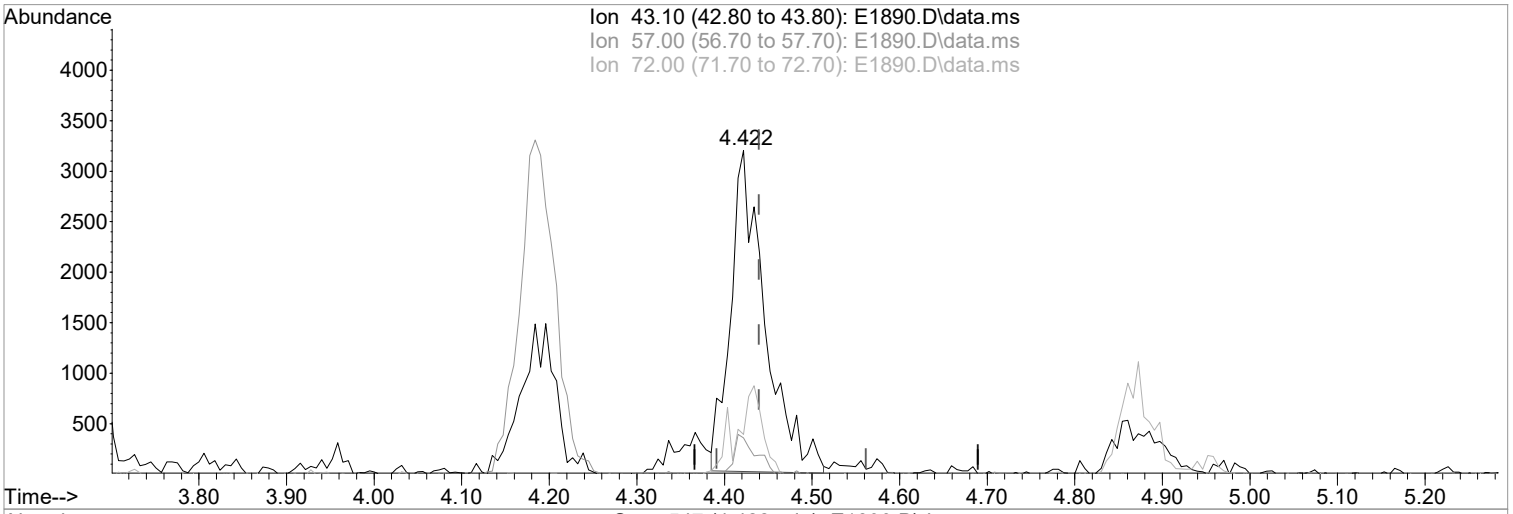
06/17/19

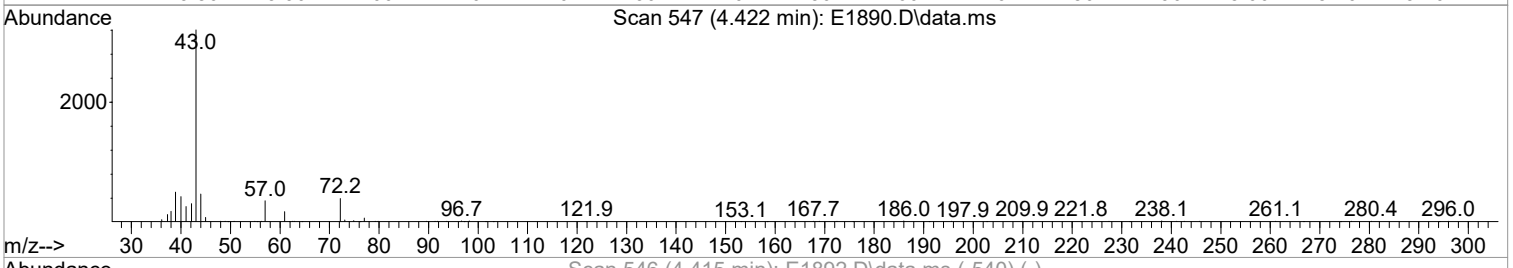
1st DL 06/17/19
2nd FW 06/18/19

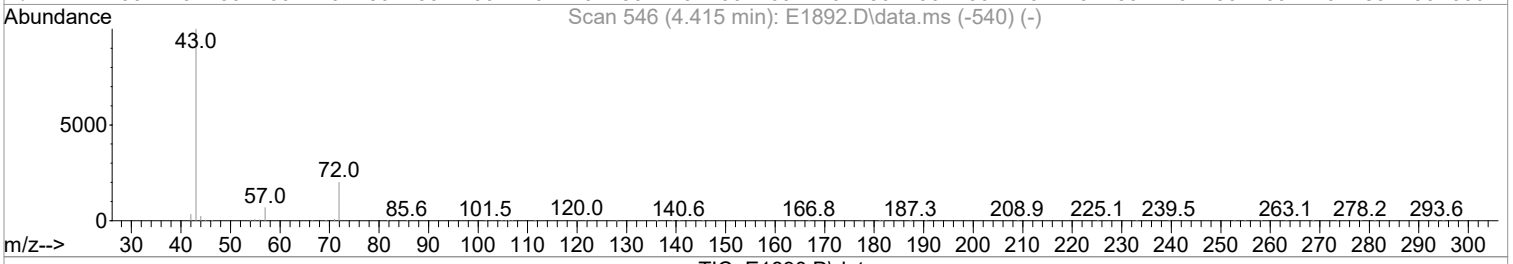
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1890.D
Acq On : 16 Jun 2019 1:42 pm
Operator : D.LIPANI
Sample : STD #4-5.0 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 17 08:39:19 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:33:18 2019
Response via : Initial Calibration







TIC: E1890.D\data.ms

(34) 2-Butanone (P)

4.422min (-0.018) 3.74 ug/L m

response 8730

Ion	Exp%	Act%
43.10	100	100
57.00	6.70	11.20
72.00	20.10	12.32
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

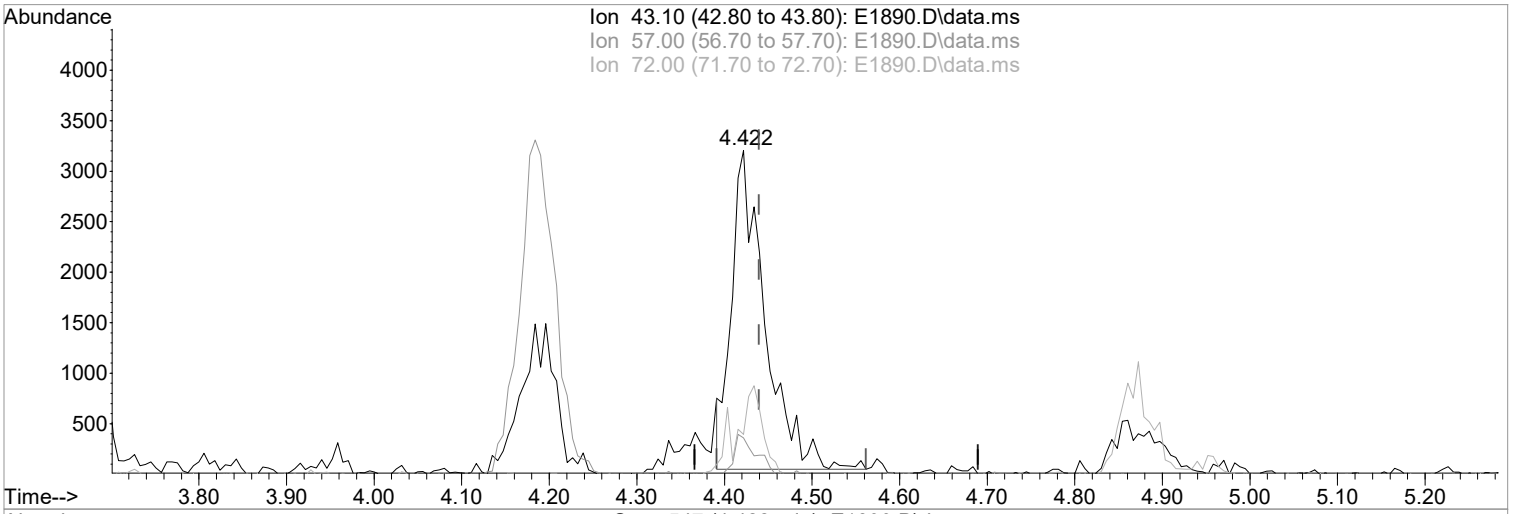
06/17/19

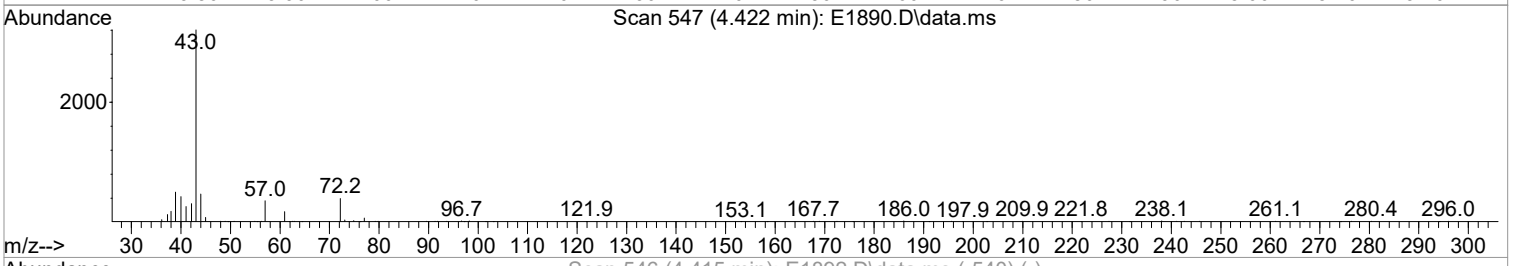
1st DL 06/17/19
2nd FW 06/18/19

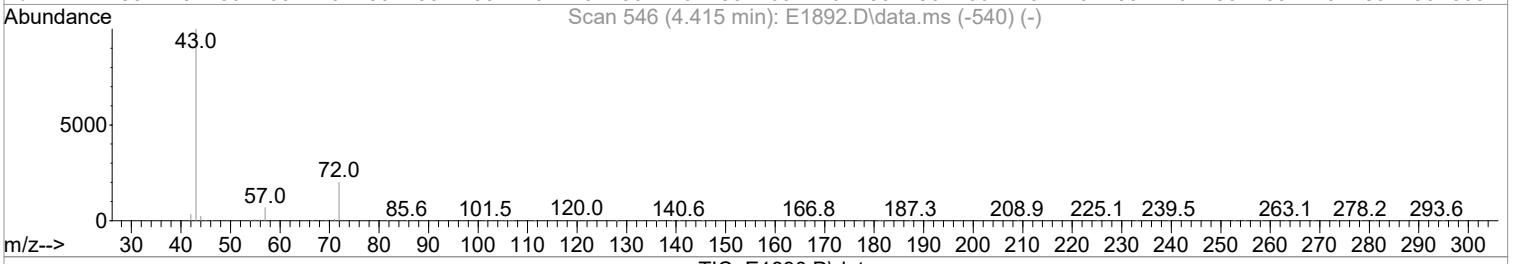
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1890.D
Acq On : 16 Jun 2019 1:42 pm
Operator : D.LIPANI
Sample : STD #4-5.0 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 17 08:39:19 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:33:18 2019
Response via : Initial Calibration







TIC: E1890.D\data.ms

(34) 2-Butanone (P)

4.422min (-0.018) 3.59 ug/L

response 8381

Ion	Exp%	Act%
43.10	100	100
57.00	6.70	11.20
72.00	20.10	12.32
0.00	0.00	0.00

Manual Integration:

Before

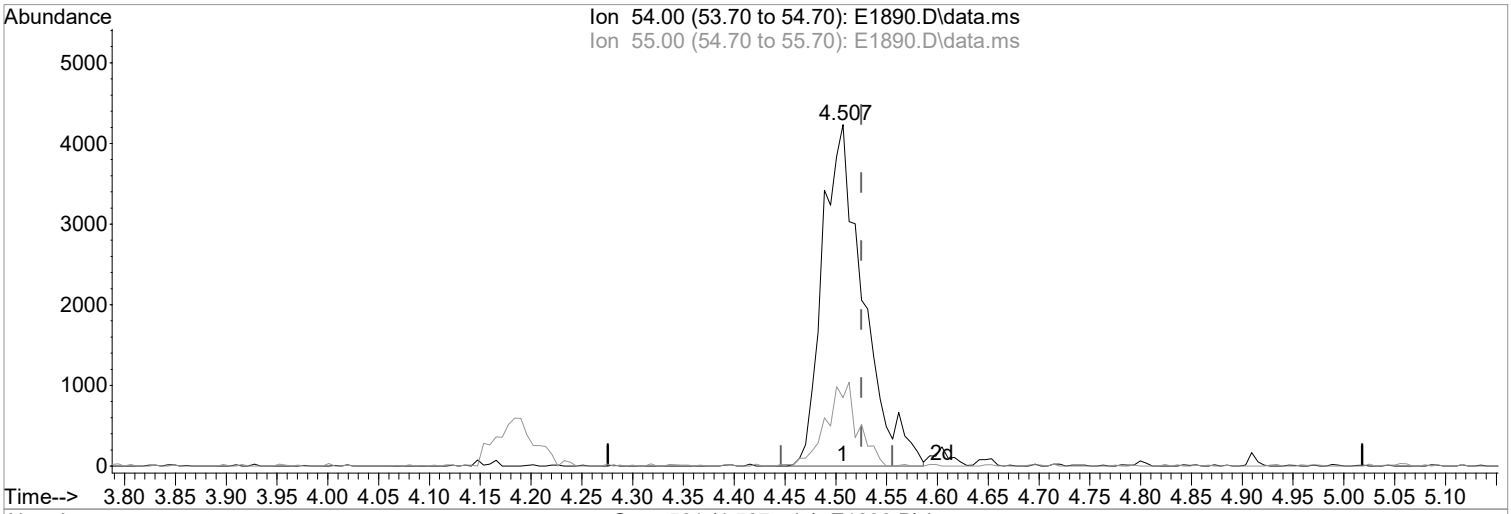
06/17/19

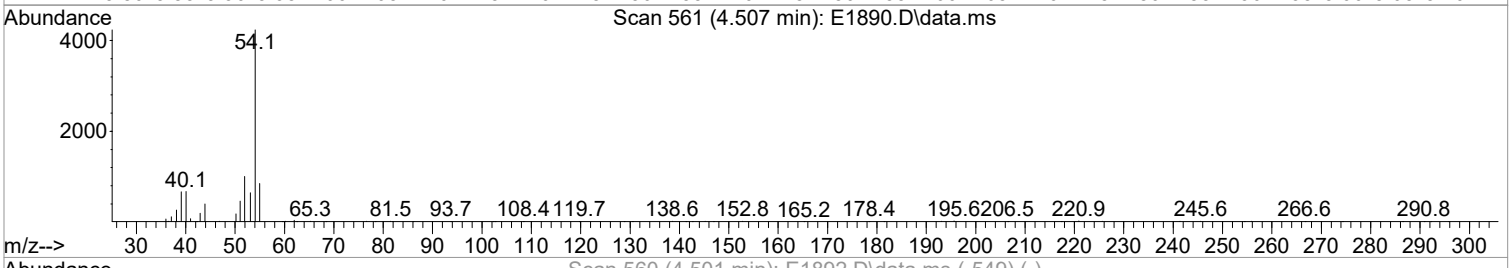
1st DL 06/17/19
2nd FW 06/18/19

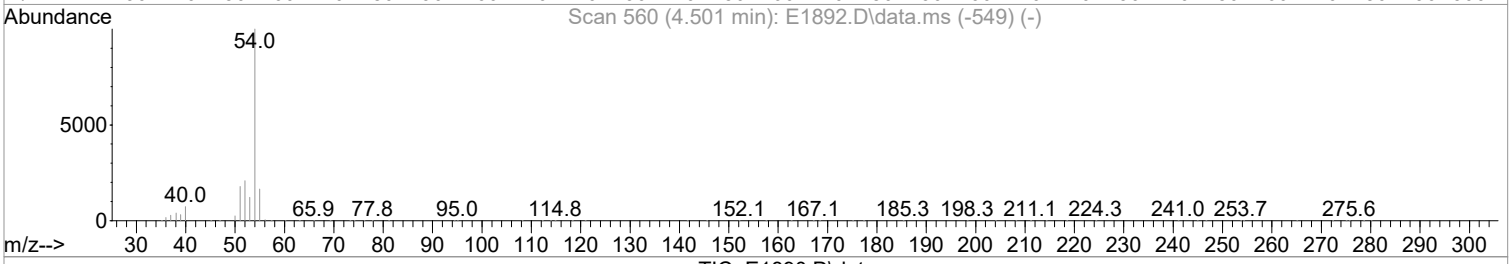
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1890.D
Acq On : 16 Jun 2019 1:42 pm
Operator : D.LIPANI
Sample : STD #4-5.0 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 17 08:39:19 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:33:18 2019
Response via : Initial Calibration







TIC: E1890.D\data.ms

(35) Propionitrile

4.507min (-0.018) 17.31 ug/L m

response 11823

Ion	Exp%	Act%
54.00	100	100
55.00	17.00	20.02
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

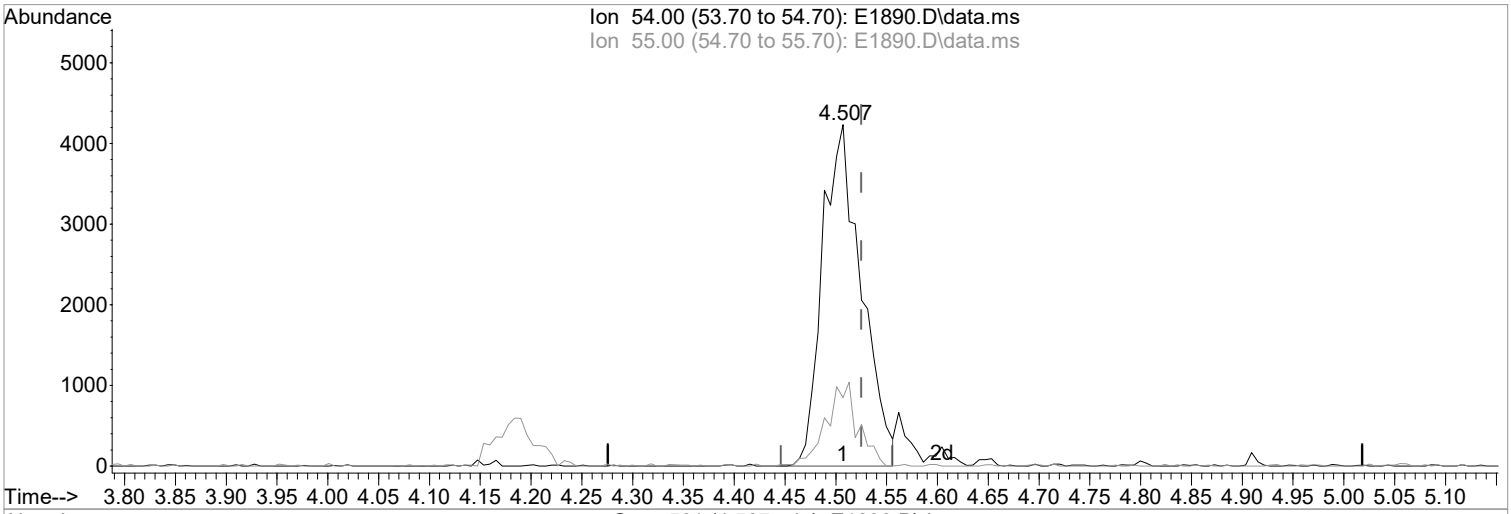
06/17/19

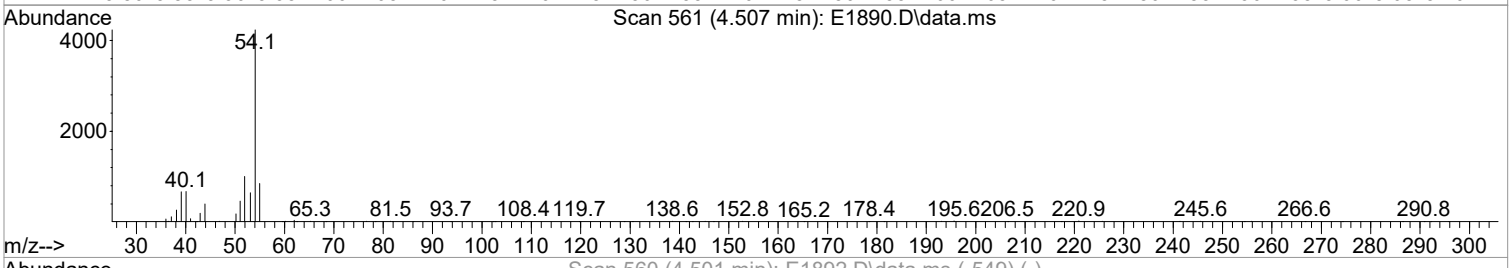
1st DL 06/17/19
2nd FW 06/18/19

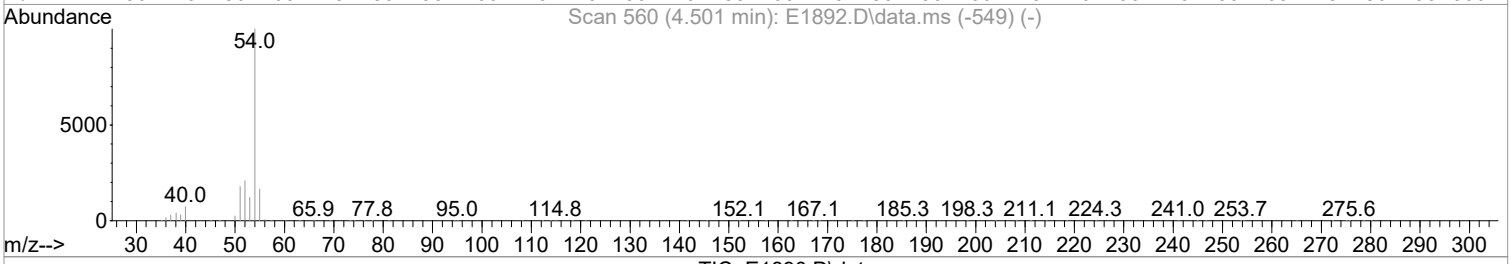
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1890.D
Acq On : 16 Jun 2019 1:42 pm
Operator : D.LIPANI
Sample : STD #4-5.0 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 17 08:39:19 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:33:18 2019
Response via : Initial Calibration







TIC: E1890.D\data.ms

(35) Propionitrile

4.507min (-0.018) 16.47 ug/L

response 11252

Ion	Exp%	Act%
54.00	100	100
55.00	17.00	20.02
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

06/17/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1890.D
Acq On : 16 Jun 2019 1:42 pm
Operator : D.LIPANI
Sample : STD #4-5.0 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 17 08:41:43 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:33:18 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.391	168	258134	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.488	114	377957	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	327946	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	173698	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.251	113	26385	10.68	ug/L		0.02
Spiked Amount 50.000	Range 89 - 119		Recovery = 21.36%#				
46) surr1,1,2-dichloroetha...	5.787	65	35251	10.24	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 20.48%#				
64) SURR3,Toluene-d8	8.311	98	106186	10.40	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 20.80%#				
69) SURR2,BFB	10.878	95	37615	9.64	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 19.28%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.154	85	17456	4.72	ug/L		96
3) Chloromethane	1.282	50	23217	4.63	ug/L		97
4) Vinyl Chloride	1.355	62	15586	3.68	ug/L		100
5) Bromomethane	1.587	94	10184	2.93	ug/L		89
6) Chloroethane	1.666	64	9185	3.45	ug/L		91
7) Freon 21	1.812	67	20744	3.48	ug/L		93
8) Trichlorofluoromethane	1.861	101	16214	3.94	ug/L		99
9) Diethyl Ether	2.099	59	10985	3.84	ug/L		95
10) Freon 123a	2.093	67	13383	3.75	ug/L		93
11) Freon 123	2.148	83	14663	3.78	ug/L		94
12) Acrolein	2.196	56	12601	18.06	ug/L		99
13) 1,1-Diclethene	2.288	96	9575	3.76	ug/L		97
14) Freon 113	2.288	101	9490	3.86	ug/L		87
15) Acetone	2.331	43	6469	3.71	ug/L		89
16) 2-Propanol	2.459	45	18678	53.92	ug/L		89
17) Iodomethane	2.416	142	10351	3.30	ug/L		99
18) Carbon Disulfide	2.477	76	29867	3.89	ug/L		99
19) Acetonitrile	2.587	41	11950	19.71	ug/L		96
20) Allyl Chloride	2.617	76	5254	3.47	ug/L	#	80
21) Methyl Acetate	2.648	43	13701	3.70	ug/L		91
22) Methylene Chloride	2.733	84	12687	4.18	ug/L		85
23) TBA	2.861	59	26329	50.17	ug/L		99
24) Acrylonitrile	2.989	53	30929	18.44	ug/L		84
25) Methyl-t-Butyl Ether	3.038	73	33364	3.51	ug/L		93
26) trans-1,2-Dichloroethene	3.032	96	10104	3.67	ug/L		96
27) 1,1-Diclethane	3.525	63	21319	3.58	ug/L		98
28) Vinyl Acetate	3.623	86	1777m	2.76	ug/L		
29) DIPE	3.653	45	42267	3.77	ug/L		97
30) 2-Chloro-1,3-Butadiene	3.660	53	15800	3.45	ug/L		92
31) ETBE	4.184	59	30569	3.27	ug/L		98
32) 2,2-Dichloropropane	4.355	77	10456	2.38	ug/L		94
33) cis-1,2-Dichloroethene	4.373	96	11755	3.72	ug/L	#	85
34) 2-Butanone	4.422	43	8730m	3.74	ug/L		
35) Propionitrile	4.507	54	11823m	17.31	ug/L		
36) Bromochloromethane	4.775	130	8342	4.32	ug/L	#	84
37) Methacrylonitrile	4.775	67	7427	4.20	ug/L		90
38) Tetrahydrofuran	4.861	42	6998	4.31	ug/L		97
39) Chloroform	4.952	83	22906	4.51	ug/L		93
40) 1,1,1-Trichloroethane	5.251	97	16705	4.00	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1890.D
Acq On : 16 Jun 2019 1:42 pm
Operator : D.LIPANI
Sample : STD #4-5.0 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 17 08:41:43 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:33:18 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Cyclohexane	5.342	41	14355	4.32	ug/L		76
44) Carbontetrachloride	5.537	117	11208	3.61	ug/L		91
45) 1,1-Dichloropropene	5.537	75	16654	4.38	ug/L		91
47) Benzene	5.866	78	55234	4.79	ug/L		97
48) 1,2-Dichloroethane	5.909	62	20242	4.58	ug/L		93
49) Iso-Butyl Alcohol	5.885	43	14628	62.07	ug/L		97
50) TAME	6.104	73	35001	4.33	ug/L		94
51) n-Heptane	6.360	43	18473	4.48	ug/L		97
52) 1-Butanol	6.854	56	20168	151.60	ug/L		91
53) Trichloroethene	6.817	130	13701	4.83	ug/L		97
54) Methylcyclohexane	7.055	55	18191	4.69	ug/L		94
55) 1,2-Diclpropane	7.104	63	14162	4.33	ug/L		98
56) Dibromomethane	7.244	93	8788	4.69	ug/L		93
57) 1,4-Dioxane	7.305	88	4916	90.87	ug/L		99
58) Methyl Methacrylate	7.330	69	9951	4.07	ug/L	#	81
59) Bromodichloromethane	7.476	83	15658	4.32	ug/L		99
60) 2-Nitropropane	7.750	41	6310	6.06	ug/L		86
61) 2-Chloroethylvinyl Ether	7.878	63	7617	4.44	ug/L		96
62) cis-1,3-Dichloropropene	8.012	75	18806	4.09	ug/L		96
63) 4-Methyl-2-pentanone	8.220	43	19567	4.68	ug/L		96
65) Toluene	8.384	91	55363	4.54	ug/L		91
66) trans-1,3-Dichloropropene	8.659	75	13558	3.33	ug/L		94
67) Ethyl Methacrylate	8.799	69	14992	3.58	ug/L		96
68) 1,1,2-Trichloroethane	8.841	97	13158	4.89	ug/L		94
71) Tetrachloroethene	8.982	164	10516	4.99	ug/L		89
72) 2-Hexanone	9.134	43	13875	4.38	ug/L		96
73) 1,3-Dichloropropane	9.012	76	22417	4.63	ug/L		96
74) Dibromochloromethane	9.238	129	10341	4.10	ug/L		90
75) N-Butyl Acetate	9.293	43	19792	3.33	ug/L		89
76) 1,2-Dibromoethane	9.341	107	11726	4.61	ug/L		99
77) 3-Chlorobenzotrifluoride	9.847	180	18851	4.86	ug/L		90
78) Chlorobenzene	9.829	112	34265	4.69	ug/L		99
79) 4-Chlorobenzotrifluoride	9.902	180	17983	5.24	ug/L		93
80) 1,1,1,2-Tetrachloroethane	9.921	131	9082	3.73	ug/L		90
81) Ethylbenzene	9.951	106	18435	4.78	ug/L		93
82) (m+p)Xylene	10.061	106	43277	8.87	ug/L		98
83) o-Xylene	10.420	106	22117	4.68	ug/L		91
84) Styrene	10.433	104	36561	4.55	ug/L		96
85) Bromoform	10.585	173	6542	3.78	ug/L		84
86) 2-Chlorobenzotrifluoride	10.664	180	19968	5.26	ug/L		98
87) Isopropylbenzene	10.756	105	56650	4.62	ug/L		97
88) Cyclohexanone	10.817	55	58376	83.81	ug/L		96
89) trans-1,4-Dichloro-2-B...	11.067	53	3956	3.78	ug/L		81
91) 1,1,2,2-Tetrachloroethane	11.012	83	17284	4.46	ug/L		96
92) Bromobenzene	11.000	156	14670	4.72	ug/L		96
93) 1,2,3-Trichloropropane	11.042	110	5852	5.03	ug/L	#	76
94) n-Propylbenzene	11.109	91	67064	4.60	ug/L		98
95) 2-Chlorotoluene	11.170	91	39931	4.53	ug/L		95
96) 3-Chlorotoluene	11.225	91	38923	4.52	ug/L		93
97) 4-Chlorotoluene	11.268	91	45932	4.57	ug/L		97
98) 1,3,5-Trimethylbenzene	11.262	105	44077	4.34	ug/L		97
99) tert-Butylbenzene	11.536	119	37868	4.40	ug/L		95
100) 1,2,4-Trimethylbenzene	11.573	105	45855	4.53	ug/L		95
101) 3,4-Dichlorobenzotrifl...	11.634	214	15918	5.13	ug/L		98
102) sec-Butylbenzene	11.719	105	58043	4.48	ug/L		92
103) p-Isopropyltoluene	11.841	119	47205	4.46	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1890.D
Acq On : 16 Jun 2019 1:42 pm
Operator : D.LIPANI
Sample : STD #4-5.0 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 17 08:41:43 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:33:18 2019
Response via : Initial Calibration

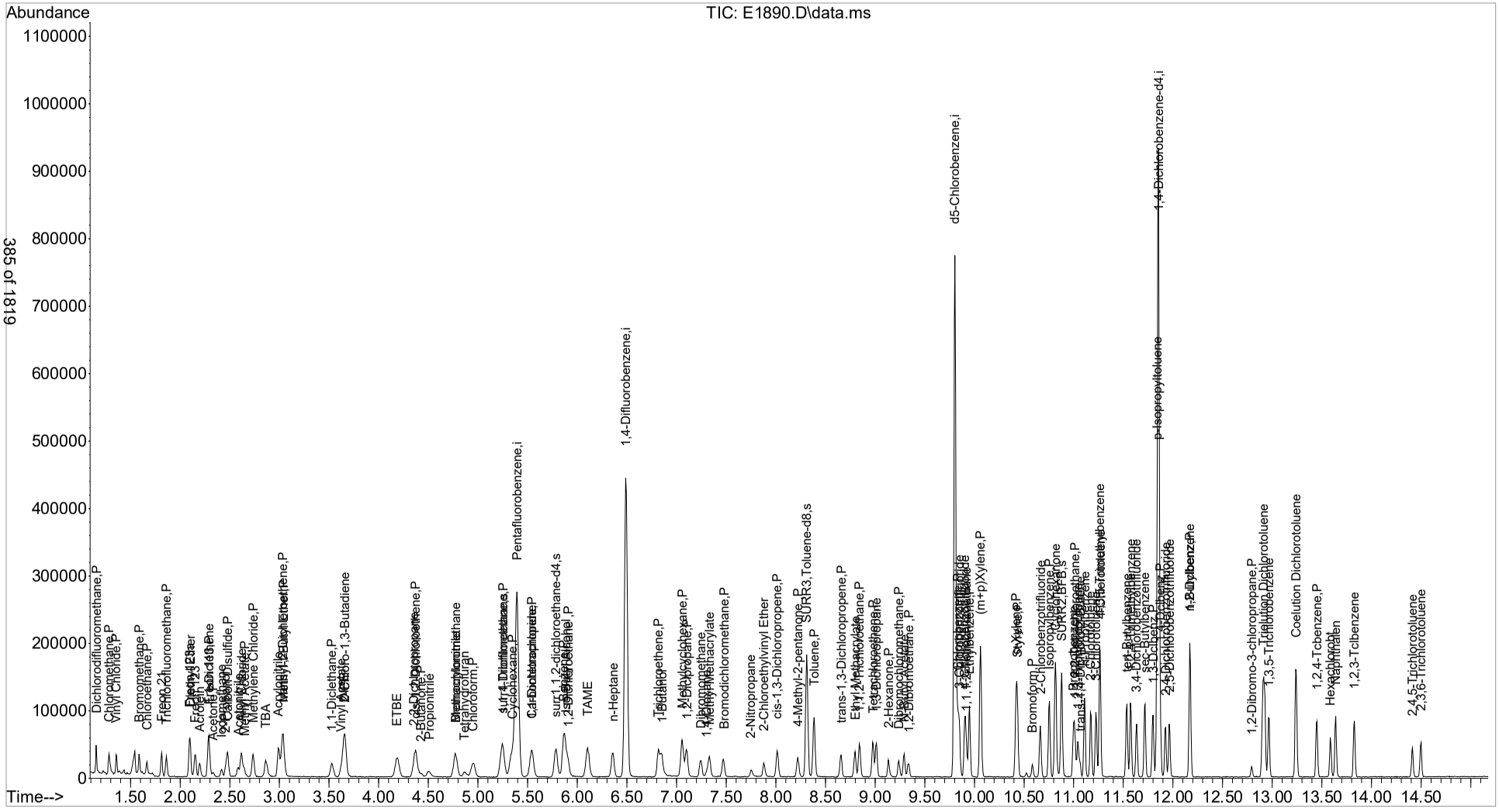
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.798	146	28138	4.84	ug/L	98
105) 1,4-Dclbenz	11.871	146	28488	4.88	ug/L	93
106) 2,4-Dichlorobenzotrifl...	11.926	214	14841	5.32	ug/L	99
107) 2,5-Dichlorobenzotrifl...	11.963	214	16818	5.14	ug/L	96
108) n-Butylbenzene	12.170	91	44591	4.27	ug/L	98
109) 1,2-Dclbenz	12.170	146	28135	4.78	ug/L	98
110) 1,2-Dibromo-3-chloropr...	12.792	157	2926	3.60	ug/L	96
111) Trielution Dichlorotol...	12.914	125	67515	13.80	ug/L	97
112) 1,3,5-Trichlorobenzene	12.969	180	22251	5.25	ug/L	96
113) Coelution Dichlorotoluene	13.237	125	50408	9.59	ug/L	93
114) 1,2,4-Tcbenzene	13.450	180	21115	4.95	ug/L	95
115) Hexachlorobt	13.584	225	8774	4.76	ug/L	89
116) Naphthalen	13.639	128	51647	4.64	ug/L	97
117) 1,2,3-Tclbenzene	13.828	180	19990	4.89	ug/L	94
118) 2,4,5-Trichlorotoluene	14.414	159	9042	4.19	ug/L	97
119) 2,3,6-Trichlorotoluene	14.499	159	10182	3.94	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1890.D
Acq On : 16 Jun 2019 1:42 pm
Operator : D.LIPANI
Sample : STD #4-5.0 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 17 08:41:43 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:33:18 2019
Response via : Initial Calibration



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1st 06/17/19
2nd 06/18/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1891.D
Acq On : 16 Jun 2019 2:09 pm
Operator : D.LIPANI
Sample : STD #5-20 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 17 08:43:43 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:43:36 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.391	168	260558	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.488	114	389947	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	341106	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	190159	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.245	113	48070	18.92	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 37.84%#				
46) surr1,1,2-dichloroetha...	5.781	65	65242	18.63	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 37.26%#				
64) SURR3,Toluene-d8	8.311	98	193027	18.56	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 37.12%#				
69) SURR2,BFB	10.878	95	69653	17.30	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 34.60%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.154	85	87570	23.46	ug/L		99
3) Chloromethane	1.282	50	107711	21.87	ug/L		97
4) Vinyl Chloride	1.355	62	77015	19.19	ug/L		98
5) Bromomethane	1.587	94	41453	13.23	ug/L		90
6) Chloroethane	1.660	64	39649	15.86	ug/L		98
7) Freon 21	1.812	67	89768	16.40	ug/L		98
8) Trichlorofluoromethane	1.861	101	77227	19.24	ug/L		99
9) Diethyl Ether	2.093	59	47638	17.35	ug/L		97
10) Freon 123a	2.099	67	59422	17.21	ug/L		100
11) Freon 123	2.148	83	64950	17.35	ug/L		100
12) Acrolein	2.196	56	53429	80.87	ug/L		98
13) 1,1-Diclethene	2.282	96	44435	18.05	ug/L		98
14) Freon 113	2.288	101	44597	18.51	ug/L		99
15) Acetone	2.331	43	25890	15.89	ug/L		96
16) 2-Propanol	2.459	45	100866	325.20	ug/L		96
17) Iodomethane	2.416	142	68561	21.27	ug/L		99
18) Carbon Disulfide	2.477	76	157481	21.02	ug/L		99
19) Acetonitrile	2.581	41	62976	108.16	ug/L		95
20) Allyl Chloride	2.617	76	28467	20.02	ug/L	#	88
21) Methyl Acetate	2.641	43	72923	20.46	ug/L		96
22) Methylene Chloride	2.733	84	60811	20.40	ug/L		98
23) TBA	2.867	59	149878	323.75	ug/L		97
24) Acrylonitrile	2.989	53	167923	104.25	ug/L		99
25) Methyl-t-Butyl Ether	3.038	73	179957	20.04	ug/L		99
26) trans-1,2-Dichloroethene	3.026	96	55229	20.71	ug/L		96
27) 1,1-Diclethane	3.532	63	115245	20.19	ug/L		99
28) Vinyl Acetate	3.617	86	9407	15.89	ug/L	#	48
29) DIPE	3.653	45	227410	20.71	ug/L		97
30) 2-Chloro-1,3-Butadiene	3.653	53	85935	19.41	ug/L		98
31) ETBE	4.184	59	158196	18.12	ug/L		99
32) 2,2-Dichloropropane	4.367	77	60902	15.99	ug/L		98
33) cis-1,2-Dichloroethene	4.373	96	62770	20.35	ug/L		93
34) 2-Butanone	4.416	43	45208	20.03	ug/L		92
35) Propionitrile	4.501	54	66368	100.47	ug/L		97
36) Bromochloromethane	4.769	130	38881	20.43	ug/L		88
37) Methacrylonitrile	4.769	67	33304	19.49	ug/L		91
38) Tetrahydrofuran	4.861	42	29416	18.80	ug/L		99
39) Chloroform	4.946	83	101617	20.10	ug/L		94
40) 1,1,1-Trichloroethane	5.251	97	76922	19.35	ug/L		90

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1891.D
Acq On : 16 Jun 2019 2:09 pm
Operator : D.LIPANI
Sample : STD #5-20 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 17 08:43:43 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:43:36 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Cyclohexane	5.342	41	68058	20.24	ug/L		97
44) Carbontetrachloride	5.531	117	55135	18.36	ug/L		96
45) 1,1-Dichloropropene	5.543	75	82404	21.29	ug/L		97
47) Benzene	5.860	78	244439	20.50	ug/L		98
48) 1,2-Dichloroethane	5.897	62	90964	20.39	ug/L		95
49) Iso-Butyl Alcohol	5.879	43	70210	318.80	ug/L		99
50) TAME	6.104	73	144061	17.89	ug/L		98
51) n-Heptane	6.354	43	93896	22.36	ug/L		96
52) 1-Butanol	6.848	56	94874	766.16	ug/L		98
53) Trichloroethene	6.817	130	62282	21.40	ug/L		96
54) Methylcyclohexane	7.055	55	78590	19.75	ug/L		99
55) 1,2-Diclpropane	7.098	63	67870	20.32	ug/L		99
56) Dibromomethane	7.238	93	38723	20.36	ug/L		92
57) 1,4-Dioxane	7.305	88	21852	400.16	ug/L		91
58) Methyl Methacrylate	7.330	69	47427	19.73	ug/L		98
59) Bromodichloromethane	7.470	83	72078	19.75	ug/L		99
60) 2-Nitropropane	7.750	41	27040	27.58	ug/L		85
61) 2-Chloroethylvinyl Ether	7.878	63	33409	19.32	ug/L		86
62) cis-1,3-Dichloropropene	8.012	75	86863	18.98	ug/L		99
63) 4-Methyl-2-pentanone	8.220	43	84783	19.10	ug/L		96
65) Toluene	8.384	91	253219	20.25	ug/L		99
66) trans-1,3-Dichloropropene	8.652	75	69814	18.03	ug/L		97
67) Ethyl Methacrylate	8.799	69	77430	19.08	ug/L		97
68) 1,1,2-Trichloroethane	8.841	97	57842	20.65	ug/L		94
71) Tetrachloroethene	8.982	164	49550	22.48	ug/L		90
72) 2-Hexanone	9.134	43	61847	18.98	ug/L		90
73) 1,3-Dichloropropane	9.012	76	98782	19.69	ug/L		99
74) Dibromochloromethane	9.238	129	46050	17.75	ug/L		95
75) N-Butyl Acetate	9.293	43	98896	17.23	ug/L		98
76) 1,2-Dibromoethane	9.335	107	54482	20.90	ug/L		94
77) 3-Chlorobenzotrifluoride	9.847	180	90247	22.07	ug/L		98
78) Chlorobenzene	9.829	112	157365	20.71	ug/L		98
79) 4-Chlorobenzotrifluoride	9.902	180	80738	21.79	ug/L		99
80) 1,1,1,2-Tetrachloroethane	9.914	131	46103	18.75	ug/L		96
81) Ethylbenzene	9.951	106	84544	20.91	ug/L		99
82) (m+p)Xylene	10.061	106	210141	41.65	ug/L		98
83) o-Xylene	10.420	106	99787	20.32	ug/L		92
84) Styrene	10.433	104	172617	20.80	ug/L		100
85) Bromoform	10.585	173	30710	17.33	ug/L		100
86) 2-Chlorobenzotrifluoride	10.664	180	84691	20.99	ug/L		98
87) Isopropylbenzene	10.756	105	264162	20.83	ug/L		98
88) Cyclohexanone	10.817	55	284469	403.26	ug/L		99
89) trans-1,4-Dichloro-2-B...	11.061	53	18460	17.60	ug/L		96
91) 1,1,2,2-Tetrachloroethane	11.012	83	79095	18.59	ug/L		96
92) Bromobenzene	11.000	156	68101	20.00	ug/L		95
93) 1,2,3-Trichloropropane	11.042	110	24201	19.65	ug/L	#	90
94) n-Propylbenzene	11.109	91	322612	20.73	ug/L		100
95) 2-Chlorotoluene	11.170	91	195390	20.57	ug/L		97
96) 3-Chlorotoluene	11.225	91	182204	19.64	ug/L		97
97) 4-Chlorotoluene	11.268	91	220370	20.65	ug/L		99
98) 1,3,5-Trimethylbenzene	11.262	105	220306	20.37	ug/L		97
99) tert-Butylbenzene	11.536	119	188105	20.41	ug/L		100
100) 1,2,4-Trimethylbenzene	11.573	105	222314	20.57	ug/L		98
101) 3,4-Dichlorobenzotrifl...	11.634	214	71534	20.99	ug/L		95
102) sec-Butylbenzene	11.719	105	296336	21.47	ug/L		100
103) p-Isopropyltoluene	11.841	119	237757	20.99	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1891.D
Acq On : 16 Jun 2019 2:09 pm
Operator : D.LIPANI
Sample : STD #5-20 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 17 08:43:43 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:43:36 2019
Response via : Initial Calibration

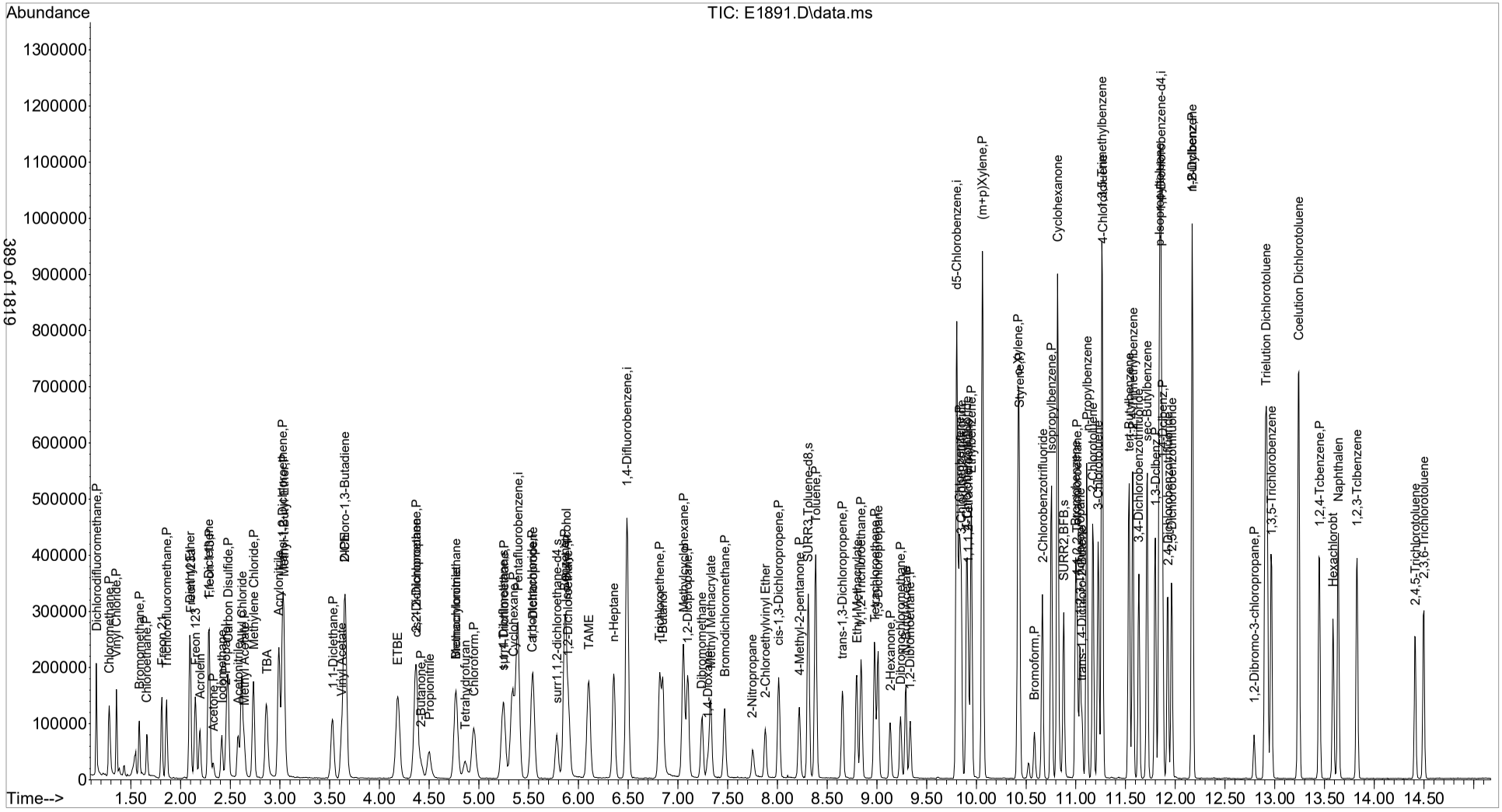
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.798	146	131608	20.89	ug/L	98
105) 1,4-Dclbenz	11.871	146	132523	20.63	ug/L	96
106) 2,4-Dichlorobenzotrifl...	11.926	214	66502	21.69	ug/L	98
107) 2,5-Dichlorobenzotrifl...	11.963	214	74708	20.40	ug/L	98
108) n-Butylbenzene	12.170	91	228717	20.60	ug/L	98
109) 1,2-Dclbenz	12.170	146	131205	20.47	ug/L	99
110) 1,2-Dibromo-3-chloropr...	12.792	157	13544	16.68	ug/L	96
111) Trielution Dichlorotol...	12.908	125	319038	60.60	ug/L	97
112) 1,3,5-Trichlorobenzene	12.969	180	98544	20.99	ug/L	99
113) Coelution Dichlorotoluene	13.243	125	230083	40.85	ug/L	98
114) 1,2,4-Tcbenzene	13.450	180	99152	21.41	ug/L	94
115) Hexachlorobt	13.584	225	43950	21.69	ug/L	99
116) Naphthalen	13.639	128	254802	21.45	ug/L	99
117) 1,2,3-Tclbenzene	13.828	180	98547	22.22	ug/L	95
118) 2,4,5-Trichlorotoluene	14.414	159	50937	23.09	ug/L	95
119) 2,3,6-Trichlorotoluene	14.499	159	56038	21.48	ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1891.D
Acq On : 16 Jun 2019 2:09 pm
Operator : D.LIPANI
Sample : STD #5-20 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 17 08:43:43 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:43:36 2019
Response via : Initial Calibration



1st 06/17/19
2nd 06/18/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1892.D
Acq On : 16 Jun 2019 2:31 pm
Operator : D.LIPANI
Sample : STD #6-50 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 17 08:47:00 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:46:51 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.391	168	262774	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.494	114	385803	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.805	117	338104	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	193209	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.238	113	127256	50.19	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 100.38%			
46) surr1,1,2-dichloroetha...	5.781	65	166461	48.77	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 97.54%			
64) SURR3,Toluene-d8	8.311	98	508731	49.91	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 99.82%			
69) SURR2,BFB	10.878	95	193103	53.01	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 106.02%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.154	85	196055	51.84	ug/L	100
3) Chloromethane	1.282	50	246346	47.90	ug/L	100
4) Vinyl Chloride	1.355	62	172115	48.29	ug/L	100
5) Bromomethane	1.581	94	101256	40.75	ug/L	100
6) Chloroethane	1.660	64	92933	39.78	ug/L	100
7) Freon 21	1.812	67	227971	50.06	ug/L	100
8) Trichlorofluoromethane	1.855	101	179498	48.22	ug/L	100
9) Diethyl Ether	2.093	59	111661	42.98	ug/L	100
10) Freon 123a	2.099	67	142731	44.46	ug/L	100
11) Freon 123	2.148	83	157353	44.79	ug/L	100
12) Acrolein	2.196	56	138104	246.18	ug/L	100
13) 1,1-Diclethene	2.282	96	106671	45.87	ug/L	100
14) Freon 113	2.288	101	100444	43.23	ug/L	100
15) Acetone	2.330	43	65548	49.99	ug/L	100
16) 2-Propanol	2.465	45	251010	1164.28	ug/L	100
17) Iodomethane	2.416	142	171750	72.97	ug/L	100
18) Carbon Disulfide	2.477	76	321382	43.88	ug/L	100
19) Acetonitrile	2.580	41	130078	247.46	ug/L	100
20) Allyl Chloride	2.617	76	60939	48.19	ug/L	100
21) Methyl Acetate	2.641	43	154420	44.41	ug/L	100
22) Methylene Chloride	2.733	84	122089	40.45	ug/L	100
23) TBA	2.867	59	365210	1119.40	ug/L	100
24) Acrylonitrile	2.989	53	354132	239.75	ug/L	100
25) Methyl-t-Butyl Ether	3.038	73	382452	47.94	ug/L	100
26) trans-1,2-Dichloroethene	3.025	96	113556	44.03	ug/L	100
27) 1,1-Diclethane	3.531	63	268939	49.51	ug/L	100
28) Vinyl Acetate	3.623	86	23398	50.57	ug/L	100
29) DIPE	3.653	45	555026	53.11	ug/L	100
30) 2-Chloro-1,3-Butadiene	3.653	53	217261	53.65	ug/L	100
31) ETBE	4.184	59	401755	53.86	ug/L	100
32) 2,2-Dichloropropane	4.361	77	156234	55.48	ug/L	100
33) cis-1,2-Dichloroethene	4.373	96	148909	48.80	ug/L	100
34) 2-Butanone	4.415	43	113887	56.14	ug/L	100
35) Propionitrile	4.501	54	169184	284.60	ug/L	100
36) Bromochloromethane	4.763	130	92780	48.26	ug/L	100
37) Methacrylonitrile	4.775	67	79681	49.00	ug/L	100
38) Tetrahydrofuran	4.860	42	71299	45.54	ug/L	100
39) Chloroform	4.946	83	241014	49.34	ug/L	100
40) 1,1,1-Trichloroethane	5.257	97	181722	50.47	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1892.D
Acq On : 16 Jun 2019 2:31 pm
Operator : D.LIPANI
Sample : STD #6-50 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 17 08:47:00 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:46:51 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Cyclohexane	5.336	41	164162	48.68	ug/L	100
44) Carbontetrachloride	5.531	117	136290	52.89	ug/L	100
45) 1,1-Dichloropropene	5.543	75	187616	49.58	ug/L	100
47) Benzene	5.866	78	577232	48.60	ug/L	100
48) 1,2-Dichloroethane	5.903	62	214881	50.84	ug/L	100
49) Iso-Butyl Alcohol	5.885	43	212654	1344.71	ug/L	100
50) TAME	6.104	73	375882	52.43	ug/L	100
51) n-Heptane	6.354	43	216695	52.74	ug/L	100
52) 1-Butanol	6.848	56	299005	3763.72	ug/L	100
53) Trichloroethene	6.817	130	144743	47.83	ug/L	100
54) Methylcyclohexane	7.055	55	192472	49.99	ug/L	100
55) 1,2-Diclpropane	7.098	63	162364	50.02	ug/L	100
56) Dibromomethane	7.238	93	92359	49.95	ug/L	100
57) 1,4-Dioxane	7.305	88	54672	1042.70	ug/L	100
58) Methyl Methacrylate	7.329	69	123589	59.83	ug/L	100
59) Bromodichloromethane	7.470	83	173694	51.42	ug/L	100
60) 2-Nitropropane	7.756	41	74570	102.61	ug/L	100
61) 2-Chloroethylvinyl Ether	7.878	63	88682	56.16	ug/L	100
62) cis-1,3-Dichloropropene	8.012	75	223079	56.24	ug/L	100
63) 4-Methyl-2-pentanone	8.220	43	222289	52.72	ug/L	100
65) Toluene	8.384	91	613935	50.20	ug/L	100
66) trans-1,3-Dichloropropene	8.652	75	184501	62.76	ug/L	100
67) Ethyl Methacrylate	8.799	69	210976	66.95	ug/L	100
68) 1,1,2-Trichloroethane	8.841	97	136559	49.49	ug/L	100
71) Tetrachloroethene	8.976	164	113409	48.87	ug/L	100
72) 2-Hexanone	9.134	43	162241	54.75	ug/L	100
73) 1,3-Dichloropropane	9.012	76	245147	49.96	ug/L	100
74) Dibromochloromethane	9.238	129	126515	53.53	ug/L	100
75) N-Butyl Acetate	9.293	43	298959	67.53	ug/L	100
76) 1,2-Dibromoethane	9.335	107	136569	58.07	ug/L	100
77) 3-Chlorobenzotrifluoride	9.847	180	213776	50.67	ug/L	100
78) Chlorobenzene	9.829	112	381246	50.98	ug/L	100
79) 4-Chlorobenzotrifluoride	9.902	180	192109	49.36	ug/L	100
80) 1,1,1,2-Tetrachloroethane	9.914	131	119030	53.94	ug/L	100
81) Ethylbenzene	9.951	106	205874	52.25	ug/L	100
82) (m+p)Xylene	10.061	106	507816	105.11	ug/L	100
83) o-Xylene	10.420	106	248536	53.56	ug/L	100
84) Styrene	10.433	104	424553	55.54	ug/L	100
85) Bromoform	10.585	173	87010	59.45	ug/L	100
86) 2-Chlorobenzotrifluoride	10.664	180	210109	51.18	ug/L	100
87) Isopropylbenzene	10.756	105	656025	55.21	ug/L	100
88) Cyclohexanone	10.817	55	767808	1238.24	ug/L	100
89) trans-1,4-Dichloro-2-B...	11.060	53	50157	63.46	ug/L	100
91) 1,1,2,2-Tetrachloroethane	11.012	83	208171	51.66	ug/L	100
92) Bromobenzene	10.999	156	172536	48.94	ug/L	100
93) 1,2,3-Trichloropropane	11.042	110	61076	49.35	ug/L	100
94) n-Propylbenzene	11.109	91	797553	52.61	ug/L	100
95) 2-Chlorotoluene	11.176	91	463892	49.05	ug/L	100
96) 3-Chlorotoluene	11.225	91	452920	49.52	ug/L	100
97) 4-Chlorotoluene	11.268	91	538793	53.35	ug/L	100
98) 1,3,5-Trimethylbenzene	11.262	105	544297	52.89	ug/L	100
99) tert-Butylbenzene	11.536	119	472644	52.14	ug/L	100
100) 1,2,4-Trimethylbenzene	11.573	105	553604	53.38	ug/L	100
101) 3,4-Dichlorobenzotrifl...	11.634	214	179030	49.85	ug/L	100
102) sec-Butylbenzene	11.719	105	712805	53.21	ug/L	100
103) p-Isopropyltoluene	11.841	119	591574	54.41	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1892.D
Acq On : 16 Jun 2019 2:31 pm
Operator : D.LIPANI
Sample : STD #6-50 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 17 08:47:00 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:46:51 2019
Response via : Initial Calibration

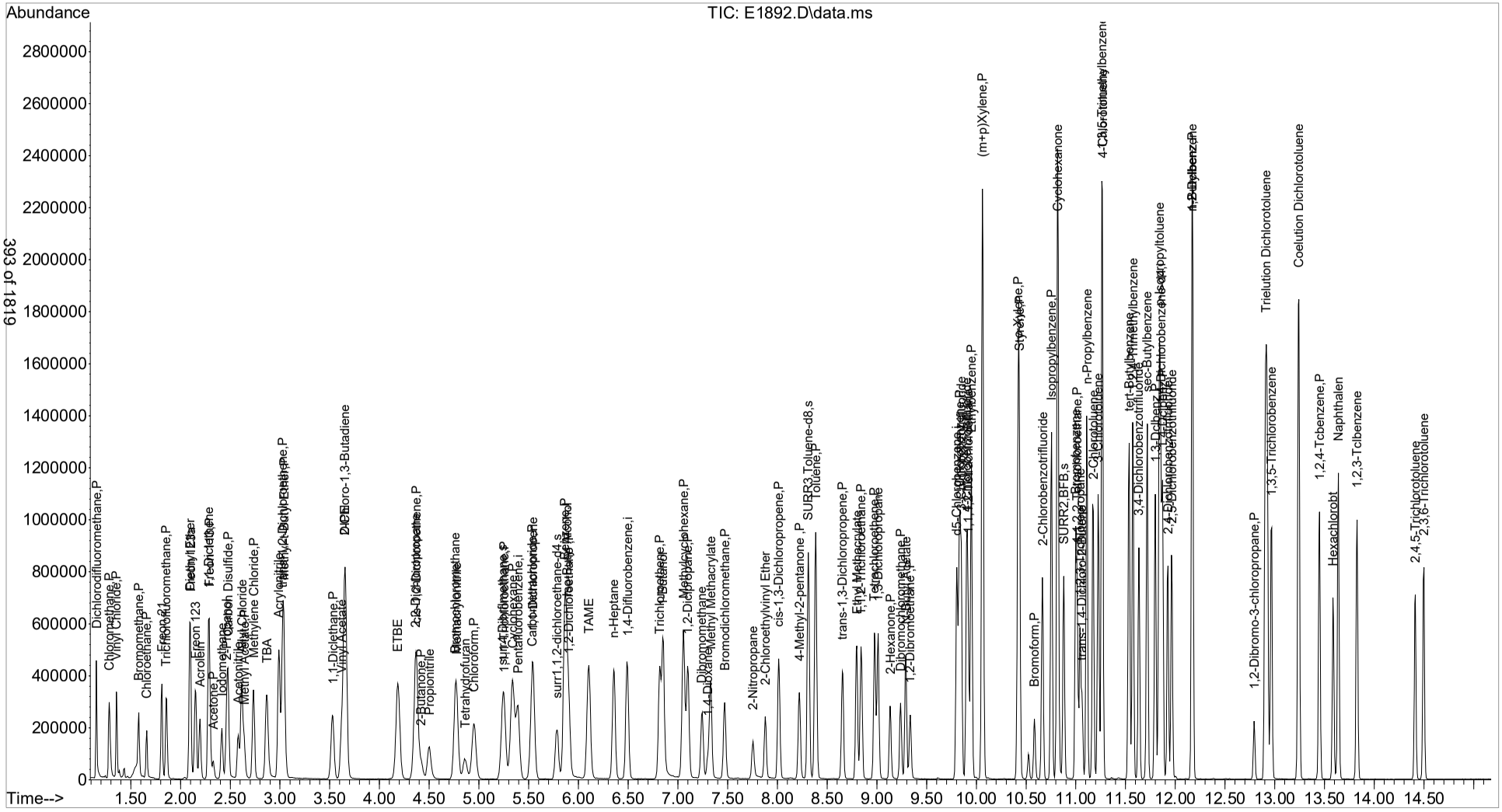
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.798	146	320902	49.72	ug/L	100
105) 1,4-Dclbenz	11.871	146	327198	50.26	ug/L	100
106) 2,4-Dichlorobenzotrifl...	11.926	214	164211	51.39	ug/L	100
107) 2,5-Dichlorobenzotrifl...	11.963	214	182566	45.43	ug/L	100
108) n-Butylbenzene	12.170	91	562457	55.24	ug/L	100
109) 1,2-Dclbenz	12.170	146	322445	49.10	ug/L	100
110) 1,2-Dibromo-3-chloropr...	12.792	157	43372	68.85	ug/L	100
111) Trielution Dichlorotol...	12.914	125	814330	160.72	ug/L	100
112) 1,3,5-Trichlorobenzene	12.969	180	244923	50.28	ug/L	100
113) Coelution Dichlorotoluene	13.243	125	595427	111.74	ug/L	100
114) 1,2,4-Tcbenzene	13.450	180	250235	53.67	ug/L	100
115) Hexachlorobt	13.584	225	108125	51.08	ug/L	100
116) Naphthalen	13.639	128	672748	61.81	ug/L	100
117) 1,2,3-Tclbenzene	13.828	180	242807	55.61	ug/L	100
118) 2,4,5-Trichlorotoluene	14.413	159	145341	82.40	ug/L	100
119) 2,3,6-Trichlorotoluene	14.499	159	152593	74.01	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1892.D
Acq On : 16 Jun 2019 2:31 pm
Operator : D.LIPANI
Sample : STD #6-50 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 17 08:47:00 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:46:51 2019
Response via : Initial Calibration



1st 06/17/19
2nd 06/18/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1893.D
Acq On : 16 Jun 2019 2:53 pm
Operator : D.LIPANI
Sample : STD #7-100 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 17 08:48:46 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:48:36 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.391	168	270519	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.488	114	389368	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	348030	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	207740	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.239	113	259250	101.18	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 202.36%#				
46) surr1,1,2-dichloroetha...	5.781	65	339693	99.43	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 198.86%#				
64) SURR3,Toluene-d8	8.311	98	1038315	100.99	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 201.98%#				
69) SURR2,BFB	10.878	95	390842	104.22	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 208.44%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.154	85	406202	103.70	ug/L		99
3) Chloromethane	1.282	50	510643	97.13	ug/L		97
4) Vinyl Chloride	1.355	62	364408	99.89	ug/L		99
5) Bromomethane	1.575	94	285364	115.83	ug/L		98
6) Chloroethane	1.654	64	196455	84.57	ug/L		98
7) Freon 21	1.806	67	459689	98.03	ug/L		99
8) Trichlorofluoromethane	1.855	101	372993	97.91	ug/L		98
9) Diethyl Ether	2.093	59	232745	89.11	ug/L		95
10) Freon 123a	2.093	67	292357	90.12	ug/L		98
11) Freon 123	2.148	83	317799	89.43	ug/L		99
12) Acrolein	2.196	56	285449	495.52	ug/L		98
13) 1,1-Diclethene	2.282	96	224549	95.11	ug/L		97
14) Freon 113	2.288	101	214236	91.62	ug/L		93
15) Acetone	2.331	43	128306	95.05	ug/L		94
16) 2-Propanol	2.471	45	575656	2511.16	ug/L		95
17) Iodomethane	2.416	142	369341	136.72	ug/L		97
18) Carbon Disulfide	2.477	76	686101	92.88	ug/L		100
19) Acetonitrile	2.580	41	319172	591.02	ug/L		97
20) Allyl Chloride	2.617	76	143328	110.77	ug/L	#	90
21) Methyl Acetate	2.641	43	381721	109.07	ug/L		99
22) Methylene Chloride	2.733	84	295315	98.18	ug/L		99
23) TBA	2.873	59	931142	2707.66	ug/L		97
24) Acrylonitrile	2.989	53	857479	567.78	ug/L		99
25) Methyl-t-Butyl Ether	3.038	73	921048	112.91	ug/L		97
26) trans-1,2-Dichloroethene	3.026	96	281179	108.06	ug/L		97
27) 1,1-Diclethane	3.525	63	572874	102.62	ug/L		99
28) Vinyl Acetate	3.623	86	54053	113.16	ug/L	#	96
29) DIPE	3.653	45	1171528	107.77	ug/L		99
30) 2-Chloro-1,3-Butadiene	3.653	53	460580	109.15	ug/L		97
31) ETBE	4.184	59	874554	112.44	ug/L		98
32) 2,2-Dichloropropane	4.367	77	359558	121.80	ug/L		98
33) cis-1,2-Dichloroethene	4.373	96	308778	98.68	ug/L		97
34) 2-Butanone	4.422	43	241755	111.21	ug/L		98
35) Propionitrile	4.501	54	345201	551.36	ug/L		98
36) Bromochloromethane	4.763	130	190065	96.60	ug/L		98
37) Methacrylonitrile	4.775	67	167008	100.17	ug/L		93
38) Tetrahydrofuran	4.861	42	150708	95.64	ug/L		93
39) Chloroform	4.952	83	502076	100.07	ug/L		99
40) 1,1,1-Trichloroethane	5.245	97	396044	106.68	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1893.D
Acq On : 16 Jun 2019 2:53 pm
Operator : D.LIPANI
Sample : STD #7-100 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 17 08:48:46 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:48:36 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Cyclohexane	5.336	41	334071	98.68	ug/L	97
44) Carbontetrachloride	5.531	117	308320	117.41	ug/L	98
45) 1,1-Dichloropropene	5.543	75	394384	103.41	ug/L	97
47) Benzene	5.860	78	1206797	101.14	ug/L	99
48) 1,2-Dichloroethane	5.903	62	446383	104.35	ug/L	98
49) Iso-Butyl Alcohol	5.891	43	487442	2857.12	ug/L	99
50) TAME	6.104	73	819622	112.38	ug/L	98
51) n-Heptane	6.354	43	453187	108.30	ug/L	96
52) 1-Butanol	6.860	56	679189	7693.23	ug/L	96
53) Trichloroethene	6.817	130	299138	98.66	ug/L	99
54) Methylcyclohexane	7.055	55	403315	103.79	ug/L	98
55) 1,2-Diclpropane	7.098	63	341326	104.18	ug/L	96
56) Dibromomethane	7.238	93	193882	103.91	ug/L	98
57) 1,4-Dioxane	7.305	88	112990	2117.13	ug/L	98
58) Methyl Methacrylate	7.330	69	264832	123.00	ug/L	99
59) Bromodichloromethane	7.470	83	376278	109.85	ug/L	98
60) 2-Nitropropane	7.756	41	163736	222.09	ug/L	98
61) 2-Chloroethylvinyl Ether	7.878	63	188259	115.75	ug/L	97
62) cis-1,3-Dichloropropene	8.012	75	495994	121.38	ug/L	98
63) 4-Methyl-2-pentanone	8.220	43	458550	106.31	ug/L	97
65) Toluene	8.384	91	1261499	102.13	ug/L	99
66) trans-1,3-Dichloropropene	8.652	75	427430	138.19	ug/L	100
67) Ethyl Methacrylate	8.799	69	465384	138.50	ug/L	95
68) 1,1,2-Trichloroethane	8.841	97	281331	101.20	ug/L	98
71) Tetrachloroethene	8.976	164	239948	100.82	ug/L	98
72) 2-Hexanone	9.134	43	341831	108.63	ug/L	96
73) 1,3-Dichloropropane	9.012	76	513379	101.66	ug/L	99
74) Dibromochloromethane	9.238	129	276886	112.49	ug/L	95
75) N-Butyl Acetate	9.293	43	639799	131.20	ug/L	97
76) 1,2-Dibromoethane	9.335	107	294754	118.57	ug/L	100
77) 3-Chlorobenzotrifluoride	9.847	180	447278	102.77	ug/L	97
78) Chlorobenzene	9.829	112	793644	102.76	ug/L	99
79) 4-Chlorobenzotrifluoride	9.902	180	405296	101.39	ug/L	98
80) 1,1,1,2-Tetrachloroethane	9.914	131	266318	115.73	ug/L	98
81) Ethylbenzene	9.951	106	433738	106.15	ug/L	99
82) (m+p)Xylene	10.061	106	1069272	213.20	ug/L	98
83) o-Xylene	10.420	106	526472	108.93	ug/L	100
84) Styrene	10.433	104	891215	111.20	ug/L	98
85) Bromoform	10.585	173	195101	124.79	ug/L	99
86) 2-Chlorobenzotrifluoride	10.664	180	444395	104.74	ug/L	99
87) Isopropylbenzene	10.756	105	1366221	109.80	ug/L	99
88) Cyclohexanone	10.817	55	1587427	2373.90	ug/L	100
89) trans-1,4-Dichloro-2-B...	11.061	53	109740	129.10	ug/L	94
91) 1,1,2,2-Tetrachloroethane	11.012	83	438018	100.55	ug/L	98
92) Bromobenzene	11.000	156	358885	95.01	ug/L	97
93) 1,2,3-Trichloropropane	11.042	110	126295	95.12	ug/L	97
94) n-Propylbenzene	11.109	91	1665350	101.29	ug/L	99
95) 2-Chlorotoluene	11.176	91	977631	96.44	ug/L	99
96) 3-Chlorotoluene	11.225	91	961807	97.96	ug/L	99
97) 4-Chlorotoluene	11.268	91	1150472	104.79	ug/L	100
98) 1,3,5-Trimethylbenzene	11.262	105	1154496	103.34	ug/L	100
99) tert-Butylbenzene	11.536	119	991859	101.04	ug/L	99
100) 1,2,4-Trimethylbenzene	11.573	105	1169138	103.68	ug/L	100
101) 3,4-Dichlorobenzotrifl...	11.634	214	383629	99.41	ug/L	99
102) sec-Butylbenzene	11.719	105	1509026	103.66	ug/L	99
103) p-Isopropyltoluene	11.841	119	1271395	107.19	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1893.D
Acq On : 16 Jun 2019 2:53 pm
Operator : D.LIPANI
Sample : STD #7-100 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 17 08:48:46 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:48:36 2019
Response via : Initial Calibration

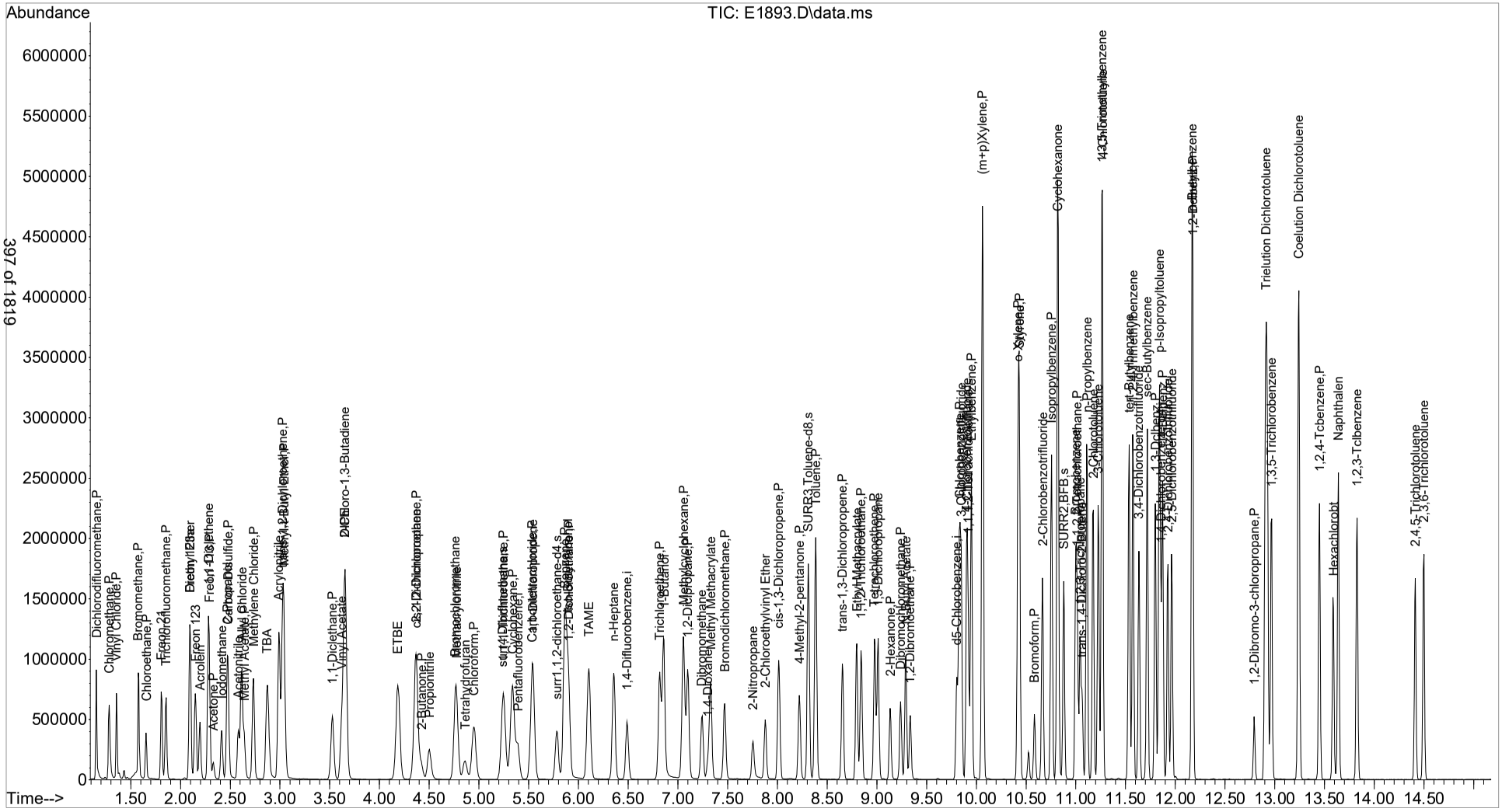
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.798	146	685615	98.89	ug/L	99
105) 1,4-Dclbenz	11.871	146	701216	100.09	ug/L	99
106) 2,4-Dichlorobenzotrifl...	11.926	214	356704	103.35	ug/L	99
107) 2,5-Dichlorobenzotrifl...	11.963	214	395382	92.92	ug/L	97
108) n-Butylbenzene	12.170	91	1246945	111.95	ug/L	99
109) 1,2-Dclbenz	12.176	146	689490	97.94	ug/L	98
110) 1,2-Dibromo-3-chloropr...	12.792	157	97804	134.27	ug/L	95
111) Trielution Dichlorotol...	12.914	125	1805687	327.54	ug/L	99
112) 1,3,5-Trichlorobenzene	12.969	180	535747	102.19	ug/L	100
113) Coelution Dichlorotoluene	13.243	125	1297487	222.11	ug/L	99
114) 1,2,4-Tcbenzene	13.450	180	547666	107.92	ug/L	99
115) Hexachlorobt	13.591	225	234547	102.60	ug/L	98
116) Naphthalen	13.639	128	1438468	118.26	ug/L	99
117) 1,2,3-Tclbenzene	13.828	180	526011	109.98	ug/L	99
118) 2,4,5-Trichlorotoluene	14.414	159	329761	156.93	ug/L	100
119) 2,3,6-Trichlorotoluene	14.499	159	344755	141.89	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1893.D
Acq On : 16 Jun 2019 2:53 pm
Operator : D.LIPANI
Sample : STD #7-100 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 17 08:48:46 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:48:36 2019
Response via : Initial Calibration



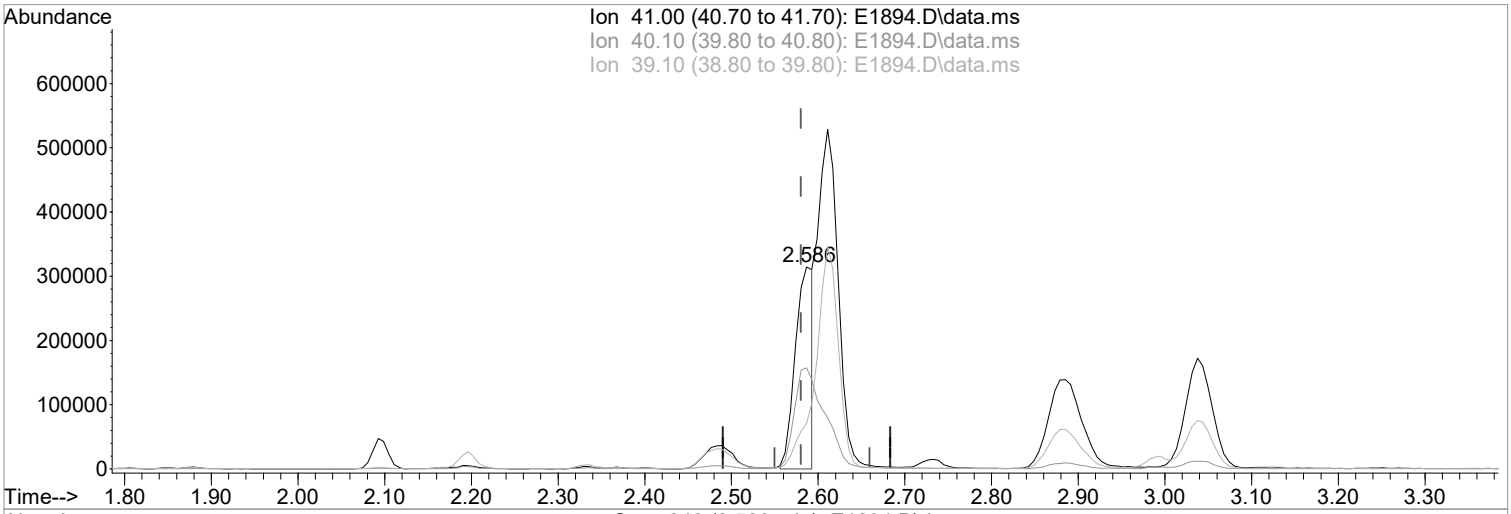
1st DL 06/17/19
2nd [illegible] 06/18/19

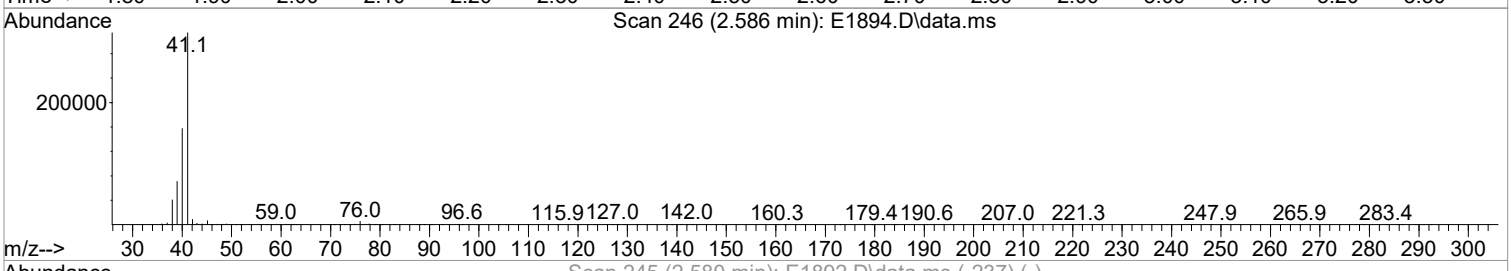
1st DL 06/17/19
2nd FJ 06/18/19

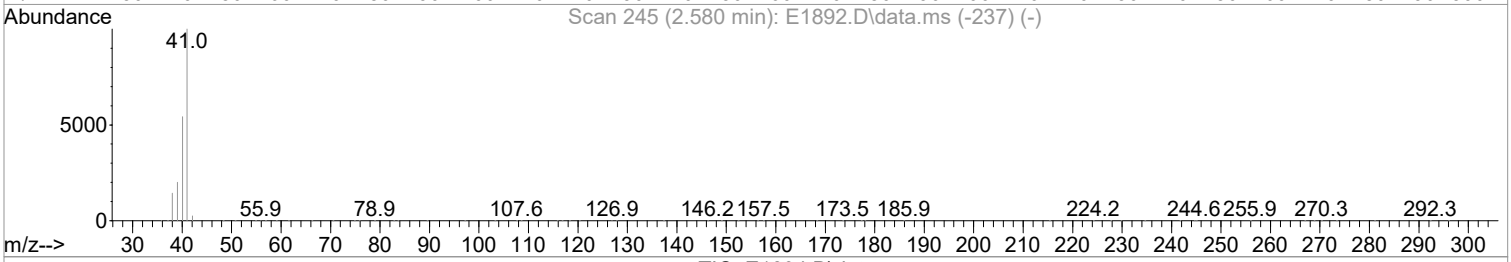
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1894.D
Acq On : 16 Jun 2019 3:15 pm
Operator : D.LIPANI
Sample : STD #8-150 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 17 08:51:03 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:50:19 2019
Response via : Initial Calibration







TIC: E1894.D\data.ms

(19) Acetonitrile

2.586min (+0.006) 834.15 ug/L m

response 445692

Ion	Exp%	Act%
41.00	100	100
40.10	54.40	50.15
39.10	21.00	22.51
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

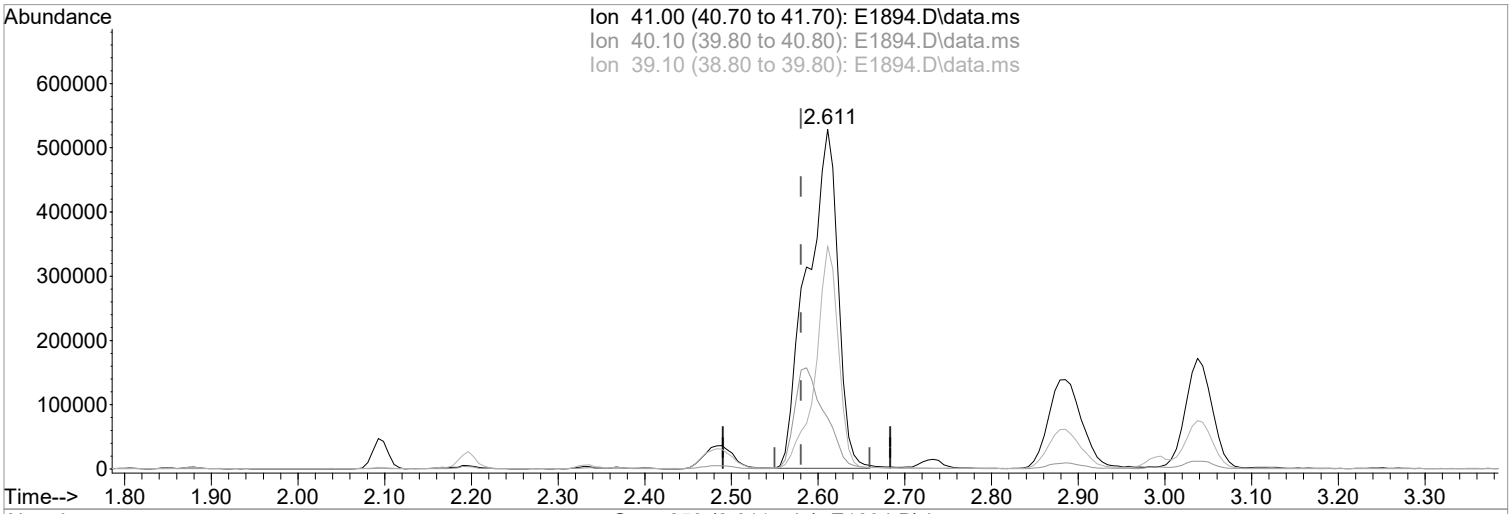
06/17/19

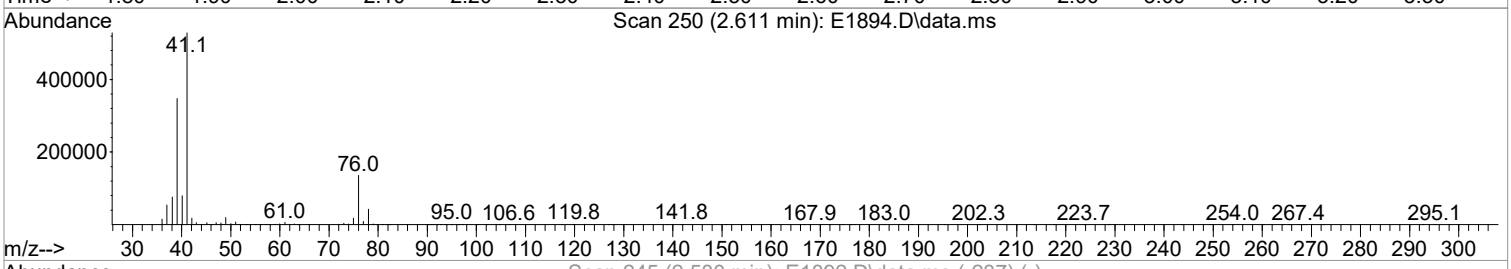
1st DL 06/17/19
2nd FJ 06/18/19

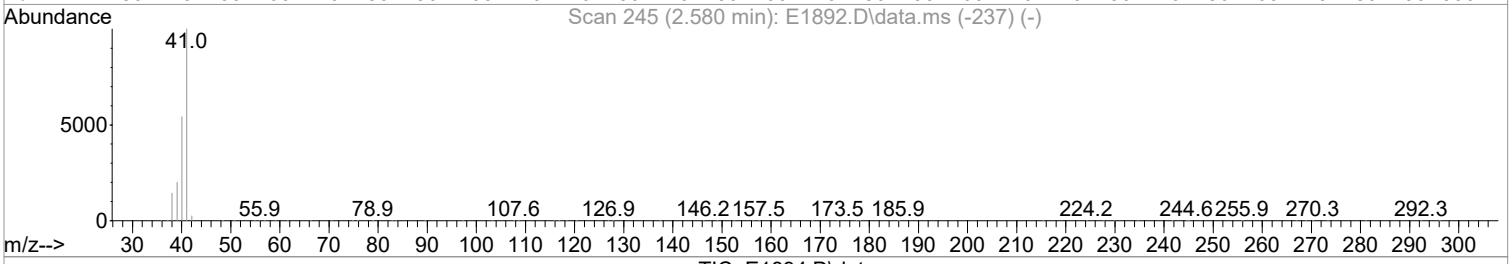
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1894.D
Acq On : 16 Jun 2019 3:15 pm
Operator : D.LIPANI
Sample : STD #8-150 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 17 08:51:03 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:50:19 2019
Response via : Initial Calibration







TIC: E1894.D\data.ms

(19) Acetonitrile

2.611min (+0.030) 2430.72 ug/L

response 1298756

Ion	Exp%	Act%
41.00	100	100
40.10	54.40	15.09#
39.10	21.00	65.74#
0.00	0.00	0.00

Manual Integration:

Before

06/17/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1894.D
Acq On : 16 Jun 2019 3:15 pm
Operator : D.LIPANI
Sample : STD #8-150 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 17 08:51:41 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:50:19 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.391	168	259768	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.488	114	383871	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	343976	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	215241	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.238	113	483248	190.74	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 381.48%#				
46) surr1,1,2-dichloroetha...	5.781	65	637615	189.58	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 379.16%#				
64) SURR3,Toluene-d8	8.311	98	1959742	192.86	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 385.72%#				
69) SURR2,BFB	10.877	95	773396	207.00	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 414.00%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.154	85	591313	156.38	ug/L		98
3) Chloromethane	1.282	50	753244	149.81	ug/L		99
4) Vinyl Chloride	1.355	62	522042	149.05	ug/L		99
5) Bromomethane	1.574	94	409987	168.85	ug/L		99
6) Chloroethane	1.648	64	293392	134.49	ug/L		98
7) Freon 21	1.806	67	688952	153.43	ug/L		99
8) Trichlorofluoromethane	1.849	101	547208	150.04	ug/L		97
9) Diethyl Ether	2.093	59	408302	165.37	ug/L		97
10) Freon 123a	2.093	67	501806	163.39	ug/L		95
11) Freon 123	2.147	83	553043	164.55	ug/L		98
12) Acrolein	2.196	56	501277	907.36	ug/L		97
13) 1,1-Diclethene	2.282	96	373406	165.87	ug/L		99
14) Freon 113	2.282	101	354613	159.85	ug/L		99
15) Acetone	2.330	43	226623	177.03	ug/L		94
16) 2-Propanol	2.483	45	1091046	4753.90	ug/L		94
17) Iodomethane	2.410	142	598753	215.02	ug/L		99
18) Carbon Disulfide	2.471	76	1151594	164.02	ug/L		99
19) Acetonitrile	2.586	41	445692m	834.15	ug/L		
20) Allyl Chloride	2.611	76	213885	169.53	ug/L	#	76
21) Methyl Acetate	2.641	43	575580	168.72	ug/L		98
22) Methylene Chloride	2.733	84	426441	148.02	ug/L		96
23) TBA	2.885	59	1505143	4304.11	ug/L		97
24) Acrylonitrile	2.989	53	1258672	851.43	ug/L		99
25) Methyl-t-Butyl Ether	3.038	73	1363625	170.94	ug/L		97
26) trans-1,2-Dichloroethene	3.025	96	395554	156.51	ug/L		97
27) 1,1-Diclethane	3.525	63	835476	155.27	ug/L		99
28) Vinyl Acetate	3.623	86	80375	170.74	ug/L	#	89
29) DIPE	3.659	45	1673645	158.57	ug/L		96
30) 2-Chloro-1,3-Butadiene	3.647	53	665290	162.07	ug/L		99
31) ETBE	4.184	59	1301668	171.23	ug/L		99
32) 2,2-Dichloropropane	4.360	77	548809	187.76	ug/L		99
33) cis-1,2-Dichloroethene	4.367	96	442434	147.53	ug/L		100
34) 2-Butanone	4.415	43	351194	163.66	ug/L		99
35) Propionitrile	4.507	54	525159	860.87	ug/L		100
36) Bromochloromethane	4.769	130	275974	146.78	ug/L		98
37) Methacrylonitrile	4.775	67	242645	151.52	ug/L		97
38) Tetrahydrofuran	4.860	42	225827	150.56	ug/L		99
39) Chloroform	4.952	83	719921	149.41	ug/L		97
40) 1,1,1-Trichloroethane	5.251	97	579660	161.06	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1894.D
Acq On : 16 Jun 2019 3:15 pm
Operator : D.LIPANI
Sample : STD #8-150 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 17 08:51:41 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:50:19 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42) Cyclohexane	5.336	41	490428	147.26 ug/L	100
44) Carbontetrachloride	5.531	117	456841	172.18 ug/L	98
45) 1,1-Dichloropropene	5.543	75	574071	151.94 ug/L	98
47) Benzene	5.860	78	1736420	147.37 ug/L	100
48) 1,2-Dichloroethane	5.903	62	638495	150.46 ug/L	97
49) Iso-Butyl Alcohol	5.897	43	791366	4391.32 ug/L	96
50) TAME	6.104	73	1201719	164.22 ug/L	99
51) n-Heptane	6.354	43	651485	156.07 ug/L	95
52) 1-Butanol	6.866	56	1108130	11682.81 ug/L	98
53) Trichloroethene	6.817	130	426392	142.92 ug/L	99
54) Methylcyclohexane	7.055	55	586312	152.22 ug/L	97
55) 1,2-Diclpropane	7.098	63	491509	151.27 ug/L	98
56) Dibromomethane	7.238	93	280474	151.62 ug/L	100
57) 1,4-Dioxane	7.305	88	171510	3228.15 ug/L	93
58) Methyl Methacrylate	7.329	69	390113	177.93 ug/L	99
59) Bromodichloromethane	7.470	83	550422	160.73 ug/L	98
60) 2-Nitropropane	7.756	41	248654	335.92 ug/L	99
61) 2-Chloroethylvinyl Ether	7.878	63	273960	167.10 ug/L	94
62) cis-1,3-Dichloropropene	8.012	75	729875	175.81 ug/L	98
63) 4-Methyl-2-pentanone	8.219	43	678545	157.57 ug/L	99
65) Toluene	8.384	91	1818403	148.88 ug/L	98
66) trans-1,3-Dichloropropene	8.652	75	645347	200.69 ug/L	99
67) Ethyl Methacrylate	8.799	69	704389	201.55 ug/L	95
68) 1,1,2-Trichloroethane	8.841	97	405507	147.71 ug/L	97
71) Tetrachloroethene	8.982	164	343270	145.76 ug/L	96
72) 2-Hexanone	9.134	43	522706	164.52 ug/L	97
73) 1,3-Dichloropropane	9.012	76	737005	147.31 ug/L	99
74) Dibromochloromethane	9.238	129	409591	165.42 ug/L	95
75) N-Butyl Acetate	9.292	43	987250	194.71 ug/L	97
76) 1,2-Dibromoethane	9.335	107	423696	167.99 ug/L	99
77) 3-Chlorobenzotrifluoride	9.847	180	637262	147.56 ug/L	98
78) Chlorobenzene	9.829	112	1154348	150.63 ug/L	98
79) 4-Chlorobenzotrifluoride	9.902	180	577869	145.97 ug/L	99
80) 1,1,1,2-Tetrachloroethane	9.920	131	400216	172.10 ug/L	98
81) Ethylbenzene	9.951	106	618435	151.80 ug/L	99
82) (m+p)Xylene	10.067	106	1561827	312.14 ug/L	96
83) o-Xylene	10.420	106	773099	159.80 ug/L	100
84) Styrene	10.432	104	1330702	165.35 ug/L	98
85) Bromoform	10.585	173	299813	186.33 ug/L	98
86) 2-Chlorobenzotrifluoride	10.664	180	643694	152.47 ug/L	98
87) Isopropylbenzene	10.756	105	2010689	161.24 ug/L	98
88) Cyclohexanone	10.823	55	2465139	3617.21 ug/L	98
89) trans-1,4-Dichloro-2-B...	11.066	53	174477	199.38 ug/L	81
91) 1,1,2,2-Tetrachloroethane	11.018	83	674786	149.38 ug/L	99
92) Bromobenzene	10.999	156	538768	138.65 ug/L	94
93) 1,2,3-Trichloropropane	11.042	110	191274	140.01 ug/L	98
94) n-Propylbenzene	11.109	91	2469976	144.73 ug/L	100
95) 2-Chlorotoluene	11.176	91	1473696	141.03 ug/L	99
96) 3-Chlorotoluene	11.225	91	1477525	145.67 ug/L	98
97) 4-Chlorotoluene	11.268	91	1694433	147.94 ug/L	99
98) 1,3,5-Trimethylbenzene	11.262	105	1750267	150.50 ug/L	99
99) tert-Butylbenzene	11.536	119	1506022	147.85 ug/L	99
100) 1,2,4-Trimethylbenzene	11.572	105	1770421	150.74 ug/L	99
101) 3,4-Dichlorobenzotrifl...	11.633	214	573410	143.53 ug/L	97
102) sec-Butylbenzene	11.719	105	2262409	149.22 ug/L	99
103) p-Isopropyltoluene	11.841	119	1943605	156.54 ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1894.D
Acq On : 16 Jun 2019 3:15 pm
Operator : D.LIPANI
Sample : STD #8-150 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 17 08:51:41 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:50:19 2019
Response via : Initial Calibration

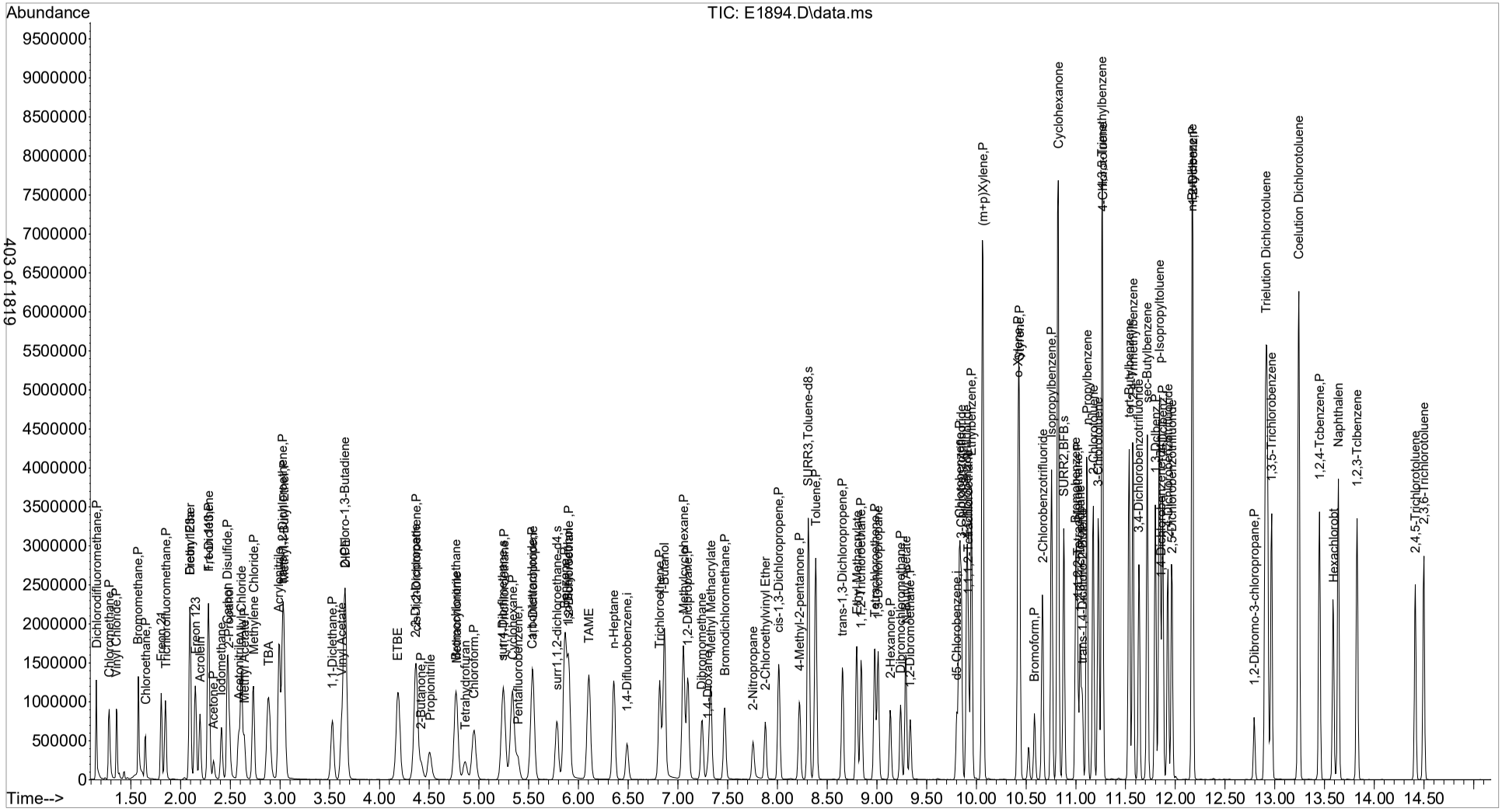
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.798	146	1042414	145.35	ug/L	99
105) 1,4-Dclbenz	11.871	146	1076714	148.31	ug/L	100
106) 2,4-Dichlorobenzotrifl...	11.926	214	531423	147.90	ug/L	99
107) 2,5-Dichlorobenzotrifl...	11.969	214	590595	135.33	ug/L	98
108) n-Butylbenzene	12.170	91	1907665	162.52	ug/L	99
109) 1,2-Dclbenz	12.176	146	1065213	146.47	ug/L	97
110) 1,2-Dibromo-3-chloropr...	12.792	157	155819	195.31	ug/L	98
111) Trielution Dichlorotol...	12.914	125	2706068	467.63	ug/L	99
112) 1,3,5-Trichlorobenzene	12.969	180	804846	147.71	ug/L	99
113) Coelution Dichlorotoluene	13.243	125	1971172	320.61	ug/L	98
114) 1,2,4-Tcbenzene	13.450	180	831310	156.34	ug/L	99
115) Hexachlorobt	13.590	225	353221	148.49	ug/L	98
116) Naphthalen	13.639	128	2181433	168.69	ug/L	99
117) 1,2,3-Tclbenzene	13.828	180	811221	161.41	ug/L	99
118) 2,4,5-Trichlorotoluene	14.413	159	501883	213.18	ug/L	99
119) 2,3,6-Trichlorotoluene	14.499	159	519314	192.82	ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1894.D
Acq On : 16 Jun 2019 3:15 pm
Operator : D.LIPANI
Sample : STD #8-150 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 17 08:51:41 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:50:19 2019
Response via : Initial Calibration



1st DL 06/17/19
2nd FJ 06/18/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1895.D
Acq On : 16 Jun 2019 3:37 pm
Operator : D.LIPANI
Sample : STD #9-200 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 17 08:53:08 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:53:00 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.391	168	284449	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.488	114	415974	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	378395	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	219811	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.245	113	141213	51.92	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 103.84%				
46) surr1,1,2-dichloroetha...	5.781	65	182637	50.64	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 101.28%				
64) SURR3,Toluene-d8	8.311	98	560505	51.27	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 102.54%				
69) SURR2,BFB	10.878	95	216146	53.02	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 106.04%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.154	85	842716	202.46	ug/L		99
3) Chloromethane	1.282	50	1033858	187.81	ug/L		100
4) Vinyl Chloride	1.355	62	759593	198.21	ug/L		98
5) Bromomethane	1.575	94	579148	213.98	ug/L		98
6) Chloroethane	1.654	64	406051	172.21	ug/L		99
7) Freon 21	1.806	67	1015261	205.89	ug/L		98
8) Trichlorofluoromethane	1.855	101	799088	200.08	ug/L		98
9) Diethyl Ether	2.093	59	502268	183.42	ug/L		95
10) Freon 123a	2.093	67	642848	189.04	ug/L		97
11) Freon 123	2.148	83	707118	189.84	ug/L		97
12) Acrolein	2.196	56	635199	1023.17	ug/L		100
13) 1,1-Diclethene	2.282	96	480969	192.56	ug/L		99
14) Freon 113	2.288	101	457706	186.89	ug/L		99
15) Acetone	2.330	43	284206	195.69	ug/L		95
16) 2-Propanol	2.471	45	1351165	4962.04	ug/L		95
17) Iodomethane	2.416	142	799268	244.47	ug/L		99
18) Carbon Disulfide	2.477	76	1486946	191.18	ug/L		99
19) Acetonitrile	2.580	41	581145	977.61	ug/L		98
20) Allyl Chloride	2.611	76	275456	196.20	ug/L	#	89
21) Methyl Acetate	2.641	43	715826	188.27	ug/L		100
22) Methylene Chloride	2.733	84	537560	170.68	ug/L		96
23) TBA	2.873	59	1869761	4597.35	ug/L		97
24) Acrylonitrile	2.989	53	1558519	946.78	ug/L		99
25) Methyl-t-Butyl Ether	3.038	73	1726051	194.21	ug/L		98
26) trans-1,2-Dichloroethene	3.025	96	512725	184.27	ug/L		98
27) 1,1-Diclethane	3.525	63	1018029	172.02	ug/L		100
28) Vinyl Acetate	3.623	86	108084	204.95	ug/L	#	91
29) DIPE	3.653	45	2154682	185.11	ug/L		98
30) 2-Chloro-1,3-Butadiene	3.653	53	865109	190.54	ug/L		98
31) ETBE	4.184	59	1962111	231.62	ug/L		99
32) 2,2-Dichloropropane	4.361	77	828005	250.81	ug/L		99
33) cis-1,2-Dichloroethene	4.373	96	635917	194.05	ug/L		97
34) 2-Butanone	4.415	43	519790	217.25	ug/L		99
35) Propionitrile	4.501	54	731369	1075.01	ug/L		99
36) Bromochloromethane	4.769	130	395106	192.42	ug/L		97
37) Methacrylonitrile	4.769	67	346104	197.08	ug/L		93
38) Tetrahydrofuran	4.861	42	323195	196.65	ug/L		100
39) Chloroform	4.952	83	1039116	197.04	ug/L		98
40) 1,1,1-Trichloroethane	5.251	97	833995	209.69	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1895.D
Acq On : 16 Jun 2019 3:37 pm
Operator : D.LIPANI
Sample : STD #9-200 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 17 08:53:08 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:53:00 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Cyclohexane	5.336	41	717725	199.40	ug/L	98
44) Carbontetrachloride	5.531	117	684346	233.70	ug/L	96
45) 1,1-Dichloropropene	5.543	75	819832	199.91	ug/L	97
47) Benzene	5.866	78	2469390	193.83	ug/L	100
48) 1,2-Dichloroethane	5.903	62	922375	200.51	ug/L	98
49) Iso-Butyl Alcohol	5.891	43	1123108	5393.84	ug/L	97
50) TAME	6.104	73	1821850	227.06	ug/L	98
51) n-Heptane	6.354	43	942585	207.33	ug/L	95
52) 1-Butanol	6.860	56	1610716	14514.52	ug/L	99
53) Trichloroethene	6.817	130	611047	190.13	ug/L	98
54) Methylcyclohexane	7.055	55	877854	209.93	ug/L	98
55) 1,2-Diclpropane	7.098	63	705515	200.16	ug/L	99
56) Dibromomethane	7.244	93	403397	200.97	ug/L	95
57) 1,4-Dioxane	7.305	88	235409	4044.95	ug/L	96
58) Methyl Methacrylate	7.330	69	565534	232.62	ug/L	98
59) Bromodichloromethane	7.470	83	789724	210.92	ug/L	98
60) 2-Nitropropane	7.756	41	375585	460.36	ug/L	98
61) 2-Chloroethylvinyl Ether	7.878	63	403678	224.02	ug/L	94
62) cis-1,3-Dichloropropene	8.012	75	1066272	232.02	ug/L	99
63) 4-Methyl-2-pentanone	8.220	43	997344	211.95	ug/L	99
65) Toluene	8.384	91	2595595	196.29	ug/L	98
66) trans-1,3-Dichloropropene	8.652	75	953766	262.61	ug/L	99
67) Ethyl Methacrylate	8.799	69	1020255	258.30	ug/L	96
68) 1,1,2-Trichloroethane	8.841	97	578366	194.78	ug/L	99
71) Tetrachloroethene	8.982	164	497344	192.66	ug/L	96
72) 2-Hexanone	9.134	43	749822	210.46	ug/L	97
73) 1,3-Dichloropropane	9.012	76	1057803	192.63	ug/L	98
74) Dibromochloromethane	9.238	129	612038	221.84	ug/L	95
75) N-Butyl Acetate	9.293	43	1444940	248.48	ug/L	98
76) 1,2-Dibromoethane	9.335	107	622694	221.12	ug/L	98
77) 3-Chlorobenzotrifluoride	9.847	180	961621	202.83	ug/L	97
78) Chlorobenzene	9.829	112	1657333	196.49	ug/L	97
79) 4-Chlorobenzotrifluoride	9.902	180	870067	200.46	ug/L	98
80) 1,1,1,2-Tetrachloroethane	9.920	131	590774	226.76	ug/L	97
81) Ethylbenzene	9.951	106	895957	199.62	ug/L	97
82) (m+p)Xylene	10.067	106	2255704	407.75	ug/L	93
83) o-Xylene	10.420	106	1102721	205.53	ug/L	100
84) Styrene	10.433	104	1901886	212.11	ug/L	98
85) Bromoform	10.585	173	447838	244.54	ug/L	100
86) 2-Chlorobenzotrifluoride	10.664	180	962142	206.75	ug/L	98
87) Isopropylbenzene	10.756	105	2838387	204.99	ug/L	98
88) Cyclohexanone	10.823	55	3435464	4451.64	ug/L	99
89) trans-1,4-Dichloro-2-B...	11.067	53	250071	249.51	ug/L	79
91) 1,1,2,2-Tetrachloroethane	11.018	83	944086	204.76	ug/L	98
92) Bromobenzene	11.000	156	766610	195.03	ug/L	93
93) 1,2,3-Trichloropropane	11.042	110	265962	192.23	ug/L	98
94) n-Propylbenzene	11.115	91	3450880	198.87	ug/L	97
95) 2-Chlorotoluene	11.176	91	2072196	195.65	ug/L	98
96) 3-Chlorotoluene	11.225	91	2127821	206.16	ug/L	98
97) 4-Chlorotoluene	11.268	91	2405141	205.98	ug/L	98
98) 1,3,5-Trimethylbenzene	11.268	105	2479138	208.65	ug/L	97
99) tert-Butylbenzene	11.536	119	2105395	202.76	ug/L	100
100) 1,2,4-Trimethylbenzene	11.573	105	2453441	204.42	ug/L	98
101) 3,4-Dichlorobenzotrifl...	11.640	214	828786	204.24	ug/L	98
102) sec-Butylbenzene	11.719	105	3148571	203.48	ug/L	99
103) p-Isopropyltoluene	11.841	119	2652998	208.10	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1895.D
Acq On : 16 Jun 2019 3:37 pm
Operator : D.LIPANI
Sample : STD #9-200 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 17 08:53:08 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:53:00 2019
Response via : Initial Calibration

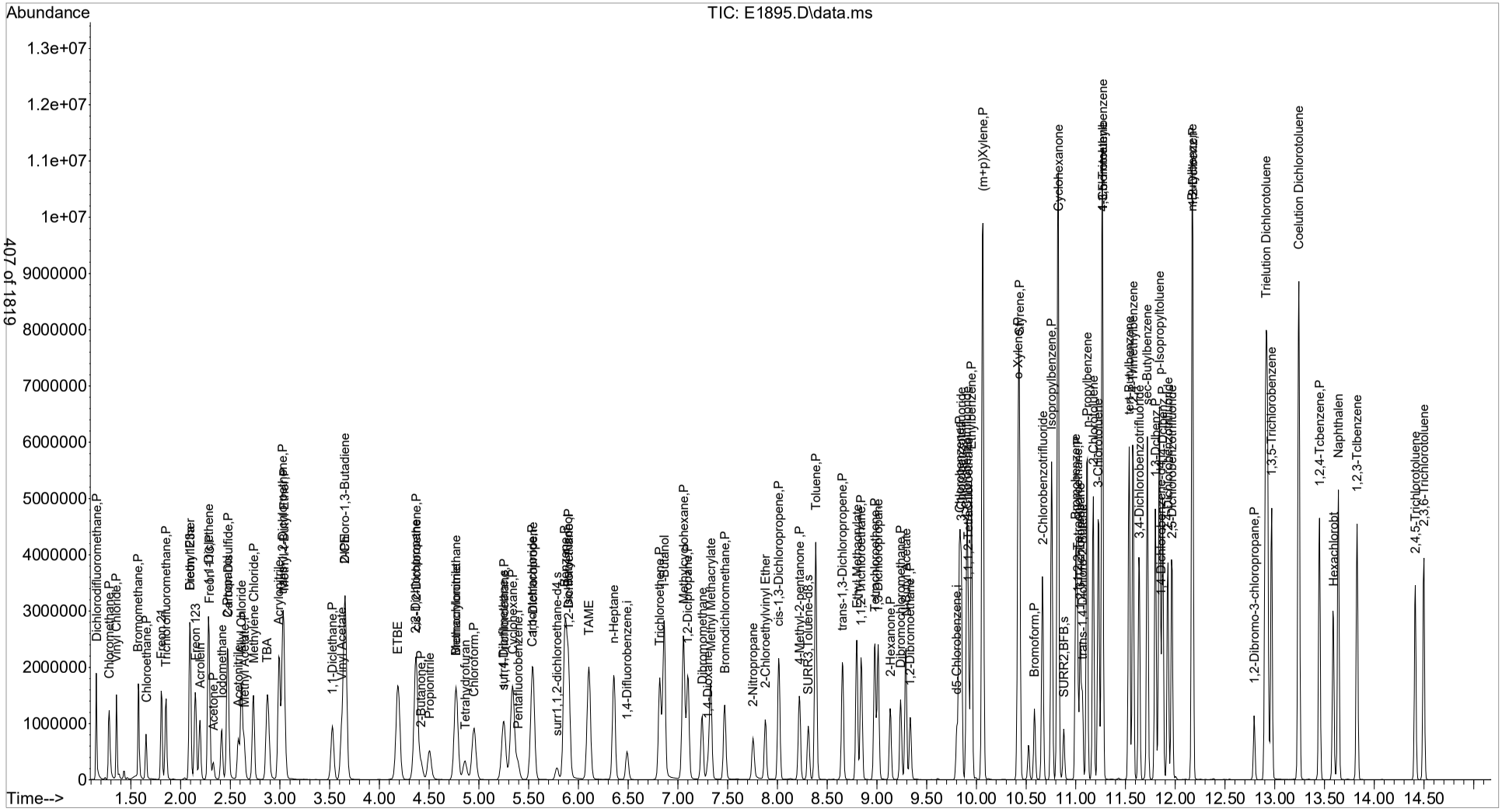
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.798	146	1446702	198.29	ug/L	99
105) 1,4-Dclbenz	11.871	146	1477256	199.54	ug/L	99
106) 2,4-Dichlorobenzotrifl...	11.926	214	758837	207.16	ug/L	99
107) 2,5-Dichlorobenzotrifl...	11.969	214	852622	193.68	ug/L	98
108) n-Butylbenzene	12.170	91	2596778	214.40	ug/L	99
109) 1,2-Dclbenz	12.176	146	1452657	196.17	ug/L	100
110) 1,2-Dibromo-3-chloropr...	12.792	157	222967	262.34	ug/L	97
111) Trielution Dichlorotol...	12.914	125	3786034	637.53	ug/L	99
112) 1,3,5-Trichlorobenzene	12.969	180	1127407	202.99	ug/L	100
113) Coelution Dichlorotoluene	13.243	125	2747154	433.81	ug/L	98
114) 1,2,4-Tcbenzene	13.450	180	1122943	205.71	ug/L	99
115) Hexachlorobt	13.591	225	477016	196.64	ug/L	98
116) Naphthalen	13.639	128	2931423	218.57	ug/L	98
117) 1,2,3-Tclbenzene	13.828	180	1088584	210.09	ug/L	99
118) 2,4,5-Trichlorotoluene	14.414	159	698858	276.13	ug/L	99
119) 2,3,6-Trichlorotoluene	14.499	159	715145	249.83	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061619\
Data File : E1895.D
Acq On : 16 Jun 2019 3:37 pm
Operator : D.LIPANI
Sample : STD #9-200 PPB STD Inst : MSVOA10
Misc : GCMS #10 8260C/624.1 ICAL
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 17 08:53:08 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 08:53:00 2019
Response via : Initial Calibration



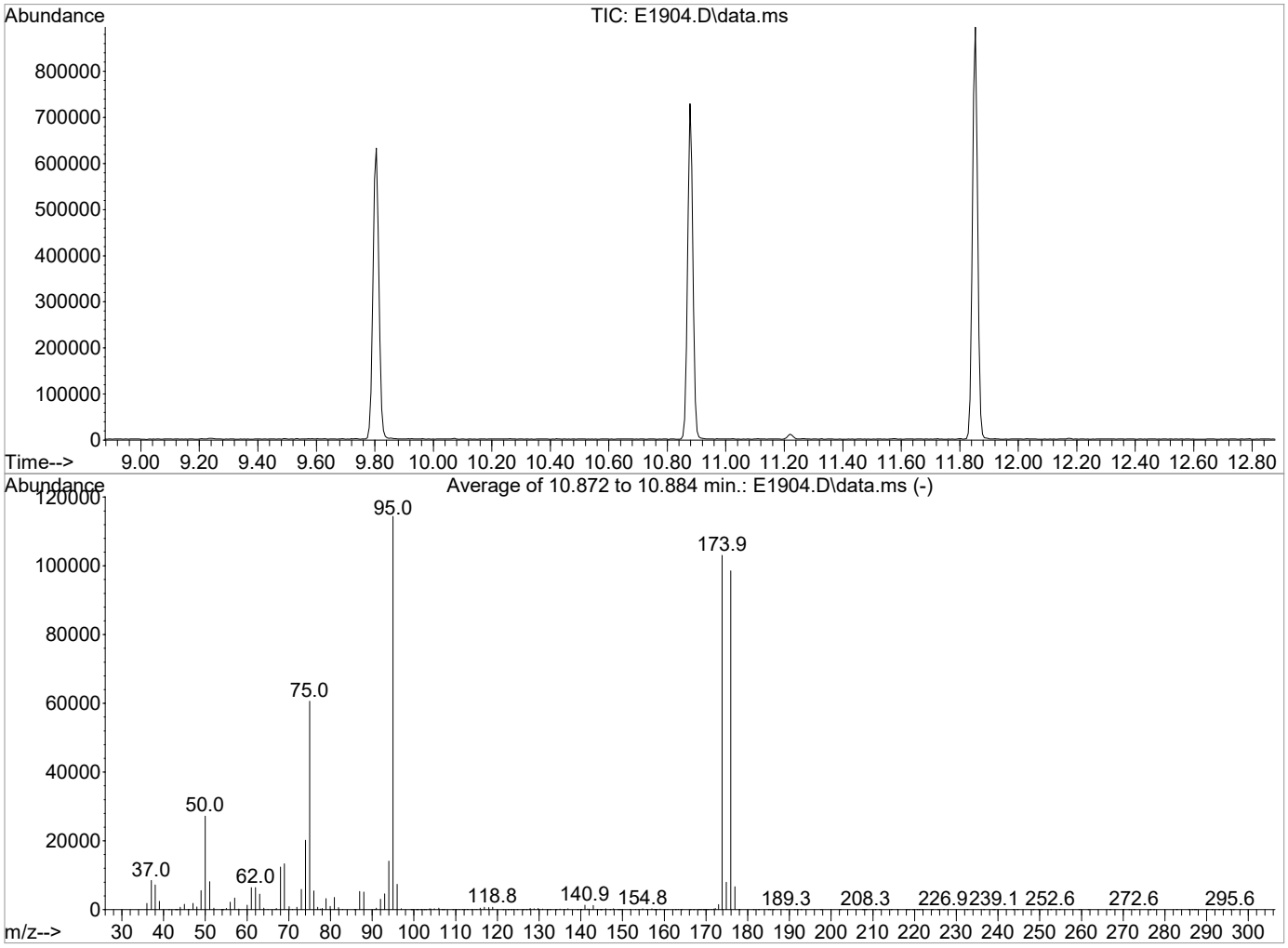
1st 06/17/19
2nd 06/18/19

1st DL 06/17/19
2nd FJ 06/18/19

Data Path : I:\ACQUDATA\msvoa10\data\061719\
Data File : E1904.D
Acq On : 17 Jun 2019 9:42 am
Operator : D.LIPANI
Sample : TUNE CHECK Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Title : MS#10 - 8260B WATERS 5.0mL Purge
Last Update : Mon Jun 17 11:49:42 2019



AutoFind: Scans 1605, 1606, 1607; Background Corrected with Scan 1598

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.8	27198	PASS
75	95	30	60	53.0	60653	PASS
95	95	100	100	100.0	114395	PASS
96	95	5	9	6.5	7399	PASS
173	174	0.00	2	1.4	1438	PASS
174	95	50	120	90.1	103083	PASS
175	174	5	9	7.7	7976	PASS
176	174	95	101	95.6	98565	PASS
177	176	5	9	6.8	6687	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061719\
Data File : E1909.D
Acq On : 17 Jun 2019 12:25 pm
Operator : D.LIPANI
Sample : ICV#2 Inst : MSVOA10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 17 13:21:08 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.391	168	208267	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.488	114	308262	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.805	117	274207	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	196119	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.244	113	103412	51.30	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 102.60%				
46) surr1,1,2-dichloroetha...	5.781	65	135067	50.54	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 101.08%				
64) SURR3,Toluene-d8	8.311	98	405961	50.11	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 100.22%				
69) SURR2,BFB	10.878	95	152400	50.44	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 100.88%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.154	85	189997	62.26	ug/L		99
3) Chloromethane	1.282	50	163634	40.88	ug/L		100
4) Vinyl Chloride	1.361	62	152723	54.48	ug/L		95
5) Bromomethane	1.581	94	92283	51.04	ug/L		97
6) Chloroethane	1.660	64	72610	50.78	ug/L		96
7) Freon 21	1.812	67	204657	56.50	ug/L		98
8) Trichlorofluoromethane	1.861	101	163642	55.96	ug/L		97
9) Diethyl Ether	2.093	59	105385	53.05	ug/L		97
10) Freon 123a	2.099	67	137374	55.51	ug/L		96
11) Freon 123	2.148	83	160758	59.28	ug/L		96
12) Acrolein	2.196	56	44923	98.58	ug/L		100
13) 1,1-Diclethene	2.282	96	97260	53.40	ug/L		96
14) Freon 113	2.288	101	101297	56.90	ug/L		99
15) Acetone	2.330	43	51739	48.83	ug/L		93
16) 2-Propanol	2.465	45	213772	1049.10	ug/L		97
17) Iodomethane	2.416	142	146086	53.63	ug/L		97
18) Carbon Disulfide	2.477	76	261752	46.19	ug/L		99
19) Acetonitrile	2.580	41	112048	258.16	ug/L		99
20) Allyl Chloride	2.611	76	55809	54.41	ug/L	#	90
21) Methyl Acetate	2.641	43	137682	49.82	ug/L		99
22) Methylene Chloride	2.733	84	106773	47.07	ug/L		98
23) TBA	2.867	59	305007	1019.05	ug/L		98
24) Acrylonitrile	2.989	53	305432	254.92	ug/L		99
25) Methyl-t-Butyl Ether	3.038	73	348415	53.71	ug/L		99
26) trans-1,2-Dichloroethene	3.031	96	100707	49.87	ug/L		97
27) 1,1-Diclethane	3.525	63	205294	48.13	ug/L		99
28) Vinyl Acetate	3.623	86	19910	51.38	ug/L		97
29) DIPE	3.653	45	400477	47.38	ug/L		98
30) 2-Chloro-1,3-Butadiene	3.653	53	175891	53.19	ug/L		96
31) ETBE	4.184	59	279341	44.26	ug/L		96
32) 2,2-Dichloropropane	4.367	77	121785	49.00	ug/L		99
33) cis-1,2-Dichloroethene	4.373	96	112800	47.17	ug/L		96
34) 2-Butanone	4.415	43	82168	46.24	ug/L		99
35) Propionitrile	4.495	54	121803	242.50	ug/L		97
36) Bromochloromethane	4.769	130	69988	46.75	ug/L		95
37) Methacrylonitrile	4.769	67	57686	44.95	ug/L		92
38) Tetrahydrofuran	4.860	42	51224	42.67	ug/L		99
39) Chloroform	4.952	83	184518	47.87	ug/L		96
40) 1,1,1-Trichloroethane	5.251	97	140728	48.07	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061719\
Data File : E1909.D
Acq On : 17 Jun 2019 12:25 pm
Operator : D.LIPANI
Sample : ICV#2 Inst : MSVOA10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 17 13:21:08 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Cyclohexane	5.336	41	121525	45.58	ug/L		93
44) Carbontetrachloride	5.531	117	107569	48.66	ug/L		95
45) 1,1-Dichloropropene	5.543	75	146132	48.09	ug/L		97
47) Benzene	5.860	78	431434	45.85	ug/L		98
48) 1,2-Dichloroethane	5.903	62	162059	47.52	ug/L		96
49) Iso-Butyl Alcohol	5.879	43	142383	911.66	ug/L		98
50) TAME	6.104	73	281054	46.57	ug/L		98
51) n-Heptane	6.354	43	168596	49.84	ug/L		92
52) 1-Butanol	6.848	56	187276	2173.51	ug/L		97
53) Trichloroethene	6.817	130	110650	46.72	ug/L		96
54) Methylcyclohexane	7.055	55	149845	48.09	ug/L		97
55) 1,2-Diclpropane	7.098	63	116439	44.57	ug/L		97
56) Dibromomethane	7.244	93	69184	46.49	ug/L		96
57) 1,4-Dioxane	7.305	88	39533	915.35	ug/L		88
58) Methyl Methacrylate	7.329	69	88151	48.06	ug/L		93
59) Bromodichloromethane	7.470	83	129407	46.36	ug/L		97
60) 2-Nitropropane	7.756	41	53722	87.21	ug/L		96
61) 2-Chloroethylvinyl Ether	7.878	63	62018	45.83	ug/L		99
62) cis-1,3-Dichloropropene	8.012	75	166877	48.14	ug/L		97
63) 4-Methyl-2-pentanone	8.220	43	154299	43.87	ug/L		97
65) Toluene	8.384	91	450661	46.08	ug/L		97
66) trans-1,3-Dichloropropene	8.652	75	141996	51.88	ug/L		98
67) Ethyl Methacrylate	8.799	69	156967	52.75	ug/L		95
68) 1,1,2-Trichloroethane	8.841	97	99309	45.26	ug/L		95
71) Tetrachloroethene	8.975	164	84208	45.20	ug/L		98
72) 2-Hexanone	9.134	43	111984	43.00	ug/L		94
73) 1,3-Dichloropropane	9.012	76	177188	44.71	ug/L		95
74) Dibromochloromethane	9.238	129	91163	45.05	ug/L		97
75) N-Butyl Acetate	9.292	43	224679	51.75	ug/L		99
76) 1,2-Dibromoethane	9.335	107	102529	49.66	ug/L		99
77) 3-Chlorobenzotrifluoride	9.847	180	161423	46.91	ug/L		97
78) Chlorobenzene	9.829	112	279530	45.82	ug/L		99
79) 4-Chlorobenzotrifluoride	9.902	180	143481	45.61	ug/L		99
80) 1,1,1,2-Tetrachloroethane	9.914	131	90165	47.06	ug/L		96
81) Ethylbenzene	9.951	106	151253	46.51	ug/L		96
82) (m+p)Xylene	10.061	106	374769	93.28	ug/L		97
83) o-Xylene	10.420	106	185427	47.55	ug/L		98
84) Styrene	10.432	104	314566	48.09	ug/L		98
85) Bromoform	10.585	173	62160	46.84	ug/L		97
86) 2-Chlorobenzotrifluoride	10.664	180	156038	46.10	ug/L		97
87) Isopropylbenzene	10.756	105	477367	47.44	ug/L		99
88) Cyclohexanone	10.817	55	416105	733.70	ug/L		97
89) trans-1,4-Dichloro-2-B...	11.060	53	36652	50.07	ug/L		98
91) 1,1,2,2-Tetrachloroethane	11.012	83	147489	35.76	ug/L		96
92) Bromobenzene	10.999	156	130616	37.35	ug/L		96
93) 1,2,3-Trichloropropane	11.042	110	43011	34.99	ug/L	#	89
94) n-Propylbenzene	11.109	91	637555	41.21	ug/L		97
95) 2-Chlorotoluene	11.176	91	403787	42.83	ug/L		97
96) 3-Chlorotoluene	11.225	91	408079	44.16	ug/L		99
97) 4-Chlorotoluene	11.268	91	464291	44.42	ug/L		98
98) 1,3,5-Trimethylbenzene	11.262	105	487455	45.76	ug/L		98
99) tert-Butylbenzene	11.536	119	419446	45.21	ug/L		99
100) 1,2,4-Trimethylbenzene	11.573	105	491480	45.78	ug/L		99
101) 3,4-Dichlorobenzotrifl...	11.633	214	163076	44.94	ug/L		97
102) sec-Butylbenzene	11.719	105	639585	46.24	ug/L		100
103) p-Isopropyltoluene	11.841	119	534697	46.80	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061719\
Data File : E1909.D
Acq On : 17 Jun 2019 12:25 pm
Operator : D.LIPANI
Sample : ICV#2 Inst : MSVOA10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 17 13:21:08 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration

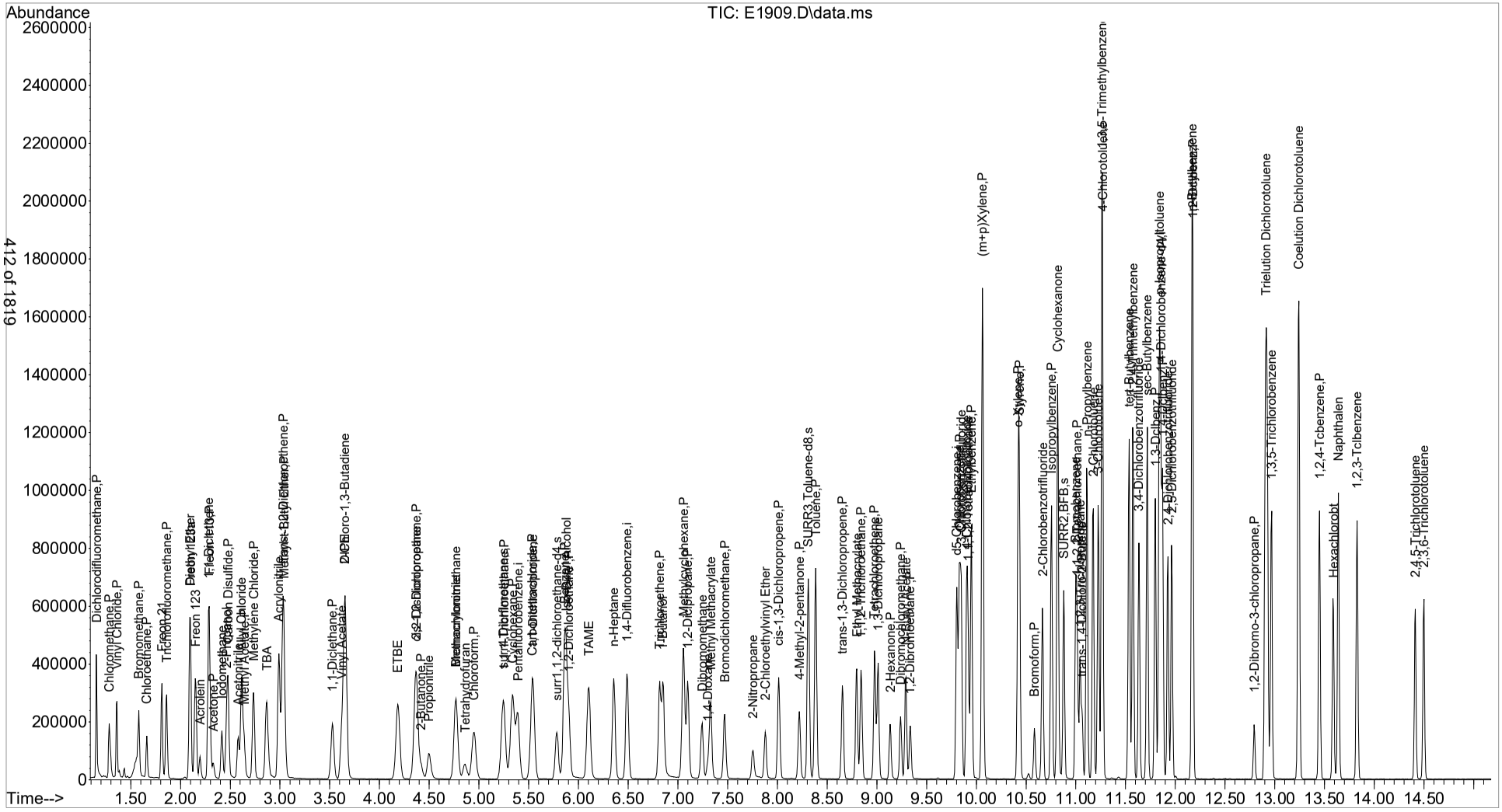
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.798	146	288344	44.34	ug/L	98
105) 1,4-Dclbenz	11.871	146	296177	44.85	ug/L	97
106) 2,4-Dichlorobenzotrifl...	11.926	214	150965	46.01	ug/L	98
107) 2,5-Dichlorobenzotrifl...	11.963	214	167194	42.72	ug/L	99
108) n-Butylbenzene	12.170	91	521340	47.86	ug/L	100
109) 1,2-Dclbenz	12.176	146	289764	43.95	ug/L	95
110) 1,2-Dibromo-3-chloropr...	12.792	157	36227	48.14	ug/L	95
111) Trielution Dichlorotol...	12.914	125	729819	136.79	ug/L	99
112) 1,3,5-Trichlorobenzene	12.969	180	222705	44.87	ug/L	99
113) Coelution Dichlorotoluene	13.243	125	523614	91.81	ug/L	97
114) 1,2,4-Tcbenzene	13.450	180	224588	45.97	ug/L	98
115) Hexachlorobt	13.590	225	95619	44.27	ug/L	95
116) Naphthalen	13.639	128	555223	45.92	ug/L	99
117) 1,2,3-Tclbenzene	13.828	180	211459	45.49	ug/L	98
118) 2,4,5-Trichlorotoluene	14.413	159	117198	43.43	ug/L	97
119) 2,3,6-Trichlorotoluene	14.499	159	112708	39.25	ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\061719\
Data File : E1909.D
Acq On : 17 Jun 2019 12:25 pm
Operator : D.LIPANI
Sample : ICV#2 Inst : MSVOA10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 17 13:21:08 2019
Quant Method : I:\ACQUDATA\msvoa10\Methods\W061619.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Mon Jun 17 11:49:42 2019
Response via : Initial Calibration



1st DL 06/17/19
2nd [illegible] 06/18/19

ALS Group USA, Corp.

DBA ALS Environmetal

QC/QC Report

Date Analyzed: 6/16/19 11:23

ICAL Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa10\data\061619\E1885.D Analytical Method: 8260C/624.1

Instrument ID: R-MS-10

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Results Pass/Fail
50	95	15	40	21.8	26365	PASS
75	95	30	60	50.1	60732	PASS
95	95	100	100	100.0	121163	PASS
96	95	5	9	6.5	7891	PASS
173	174	0	2	1.3	1383	PASS
174	95	50	120	87.0	105459	PASS
175	174	5	9	8.0	8406	PASS
176	174	95	101	98.0	103357	PASS
177	176	5	9	6.3	6523	PASS

Sample Name	Lab Code	File ID:	Date Analyzes:	Q
INST BLK	INST BLK	I:\ACQUDATA\MSVOA10\DATA\061619\E1886.D	6/16/19 11:47	
STD #1-0.5 PPB STD	STD #1-0.5 PPB STD	I:\ACQUDATA\msvoa10\data\061619\E1887.D	6/16/19 12:36	
STD #2-1.0 PPB STD	STD #2-1.0 PPB STD	I:\ACQUDATA\msvoa10\data\061619\E1888.D	6/16/19 12:58	
STD #3-2.0 PPB STD	STD #3-2.0 PPB STD	I:\ACQUDATA\msvoa10\data\061619\E1889.D	6/16/19 13:20	
STD #4-5.0 PPB STD	STD #4-5.0 PPB STD	I:\ACQUDATA\msvoa10\data\061619\E1890.D	6/16/19 13:42	
5TD #5-20 PPB STD	STD #5-20 PPB STD	I:\ACQUDATA\msvoa10\data\061619\E1891.D	6/16/19 14:09	
STD #6-50 PPB STD	STD #6-50 PPB STD	I:\ACQUDATA\msvoa10\data\061619\E1892.D	6/16/19 14:31	
STD #7-100 PPB STD	5TD #7-100 PPB STD	I:\ACQUDATA\msvoa10\data\061619\E1893.D	6/16/19 14:53	
STD #8-150 PPB STD	STD #8-150 PPB STD	I:\ACQUDATA\msvoa10\data\061619\E1894.D	6/16/19 15:15	
STD #9-200 PPB STD	STD #9-200 PPB STD	I:\ACQUDATA\msvoa10\data\061619\E1895.D	6/16/19 15:37	
ICV 50	ICV 50	I:\ACQUDATA\msvoa10\data\061619\E1900.D	6/16/19 17:26	

ALS Group USA, Corp.

DBA ALS Environmetal

QC/QC Report

Date Analyzed: 6/17/19 9:42

ICAL Tune Summary

Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA10\DATA\061719\E1904.D Analytical Method: 8260C/624.1

Instrument ID: R-MS-10

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Results Pass/Fail
50	95	15	40	23.8	27198	PASS
75	95	30	60	53.0	60653	PASS
95	95	100	100	100.0	114395	PASS
96	95	5	9	6.5	7399	PASS
173	174	0	2	1.4	1438	PASS
174	95	50	120	90.1	103083	PASS
175	174	5	9	7.7	7976	PASS
176	174	95	101	95.6	98565	PASS
177	176	5	9	6.8	6687	PASS

Sample Name	Lab Code	File ID:	Date Analyzes:	Q
ICV#2	ICV#2	I:\ACQUDATA\msvoa10\data\061719\E1909.D	6/17/19 12:25	

Analysis: 8260C/624.1 Analyst: R. Lipani pH strips: — Tune Method: W061619.M

Date: 06/16/19 Balance ID: — ResCl strips: — Run Method: ↓

Instr. MS#10 50 mL Class A used for dilution FV Syringes: 181117 LIMS Run#: -ICAL

Data Path: j:\acqudata\msvoa(InstID)\(Date)

Pos.	Sample	Diln.	Diln. Prep./	RL	Tier	Vial	pH	File#	OK?	Comments
1	Blk		(New I.S.&Surr)					E1882	Y	
2	Blk							↓ 83	Y	
3	Blk							84	Y	
4	Tune Check		(Run as a Blk)					↓ 85	Y	
5	Inst Blk							↓ 86	Y	
		"	Mini	Surr Added						
			5.0 PPM" - See below	(Atomx) → 5mL						
6	STD #1 - 0.5 PPB			1.0 ul				E1887	Y	
7	#2 - 1.0 PPB			1.0 ul				↓ 88	Y	
8	#3 - 2.0 PPB			1.0 ul				↓ 89	Y	
9	#4 - 5.0 PPB			1.0 ul				E1890	Y	
10	#5 - 20 PPB			2.0 ul				↓ 91	Y	
11	#6 - 50 PPB			5.0 ul				↓ 92	Y	
12	#7 - 100 PPB			10 ul				↓ 93	Y	
13	#8 - 150 PPB			20 ul				↓ 94	Y	
14	↓ #9 - 200 PPB							↓ 95	Y	
15-18	Blks							E1896 - 99	Y	
19	ICV - 50							E1900	Y	except CM↓, others (for DOD)
20-2	Blks							↓ 01 -		

WATER ICAL TABLE

CONC (PPB)	0.5	1.0	2.0	5.0	20	50	100	150	200
1° T|G =	10mL|1mL → 5mL|5mL	10mL|5mL	20mL|5mL	50mL|5mL	2mL|5mL	5mL|5mL	10mL|5mL	15mL|5mL	20mL|5mL
1° HSL =	↓	↓	↓	↓	↓	↓	↓	↓	↓
1° Fr =	↓	↓	↓	↓	↓	↓	↓	↓	↓
1° OCC =	↓	↓	↓	↓	↓	↓	↓	↓	↓

All samples = 5.0 mL + 5.0 uL combined IS/Surr. 5.0 mL purged

Primary TG : 200013 $

Primary HSL : 199993

Primary OCC : 200015

Primary Fr+ : 200014

Primary :

Secondary TG : 200191 5.0ul

Secondary HSL : 200120 ↓

Secondary OCC : 198044

Secondary Fr+ : 200189 12.5ul / 50mL = ICV.

Secondary :

Combined IS/Surr :

Surrogate 50 : 199997

Internal Std 50 : 199998

Reagents:

Analysis: 8260C/624.1 Analyst: D. Nguyen pH strips: Hyd. 204018 Tune Method: W061619.M

Date: 06/17/19 Balance ID: — ResCl strips: HF 101118H Run Method: ↓

Instr. MS#10 50 mL Class A used for dilution FV Syringes: 181117 LIMS Run#: 639617

Data Path: j:\acqudata\msvoa(InstID)\(Date)

Pos.	Sample	Diln.	Diln. Prep./	RL	Tier	Vial	pH	File#	OK?	Comments
1-3	BLKs							E1901-03		
4	Tune Check		(Run as a BLK)					04	Y	
5	CCV							05	Y	CM↓
6	LCS-Pres.							06	Y	
7	LCS-Unp.							07	Y	
8	BLK							08	O.K.	
9	ICV#2							09	Y	CM✓ CS_2✓ $MeCl_2$✓ Acrolein✓
10	Met BLK							E1910	N	
11	Met BLK							11	Y	

All samples = 5.0 mL + 5.0 uL combined IS/Surr. 5.0 mL purged

Primary TG : 200013 5.0µl

Primary HSL : 199993

Primary OCC : 200015

Primary Frt : 200014 ↓

Primary :

50mL DI = CCV.

Secondary TG : 200191 2.0µl 5.0µl 4.2µl

Secondary HSL : 200120 ↓ ↓ ↓

Secondary OCC : 1980144 ↓ ↓ ↓

Secondary Frt : 200189 5.0µl 12.5µl 10.6µl

Secondary :

50mL LCS 50mL ICV 42mL vials samp. = MS/DMS

Combined IS/Surr :

Surrogate 50 : 199997

Internal Std 50 : 199998

Reagents:

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility **Calibration Date:** 6/16/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900062 **Signal ID:** 1
Instrument ID: R-MS-10

#	Lab Code	Sample Name	File Location	Acquisition Date
10	RC1900062-10	STD #1-0.5 PPB STD	I:\ACQUDATA\msvoa10\data\061619\E1887.D	06/16/2019 12:36
01	RC1900062-01	STD #1-0.5 PPB STD	I:\ACQUDATA\msvoa10\data\061619\E1887.D	06/16/2019 12:36
02	RC1900062-02	STD #2-1.0 PPB STD	I:\ACQUDATA\msvoa10\data\061619\E1888.D	06/16/2019 12:58
03	RC1900062-03	STD #3-2.0 PPB STD	I:\ACQUDATA\msvoa10\data\061619\E1889.D	06/16/2019 13:20
04	RC1900062-04	STD #4-5.0 PPB STD	I:\ACQUDATA\msvoa10\data\061619\E1890.D	06/16/2019 13:42
05	RC1900062-05	STD #5-20 PPB STD	I:\ACQUDATA\msvoa10\data\061619\E1891.D	06/16/2019 14:09
06	RC1900062-06	STD #6-50 PPB STD	I:\ACQUDATA\msvoa10\data\061619\E1892.D	06/16/2019 14:31
07	RC1900062-07	STD #7-100 PPB STD	I:\ACQUDATA\msvoa10\data\061619\E1893.D	06/16/2019 14:53
08	RC1900062-08	STD #8-150 PPB STD	I:\ACQUDATA\msvoa10\data\061619\E1894.D	06/16/2019 15:15
09	RC1900062-09	STD #9-200 PPB STD	I:\ACQUDATA\msvoa10\data\061619\E1895.D	06/16/2019 15:37

Analyte

4-Bromofluorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.4976	05	20.000	0.4466	06	50.000	0.5005	07	100.000	0.5019
08	200.000	0.5037									

Benzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
10	0.500	1.574	02	1.000	1.526	03	2.000	1.568	04	5.000	1.461
05	20.000	1.567	06	50.000	1.496	07	100.000	1.55	08	150.000	1.508
09	200.000	1.484									

Dibromofluoromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.349	05	20.000	0.3082	06	50.000	0.3298	07	100.000	0.3329
08	200.000	0.3147									

Ethylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
10	0.500	0.5602	02	1.000	0.5555	03	2.000	0.6158	04	5.000	0.5621
05	20.000	0.6196	06	50.000	0.6089	07	100.000	0.6231	08	150.000	0.5993
09	200.000	0.5919									

Toluene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
10	0.500	1.638	02	1.000	1.589	03	2.000	1.61	04	5.000	1.465
05	20.000	1.623	06	50.000	1.591	07	100.000	1.62	08	150.000	1.579
09	200.000	1.56									

Toluene-d8

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	1.405	05	20.000	1.238	06	50.000	1.319	07	100.000	1.333
08	200.000	1.276									

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility **Calibration Date:** 6/16/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900062 **Signal ID:** 1
Instrument ID: R-MS-10

Analyte

m,p-Xylenes

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
10	1.000	0.7448	02	2.000	0.6642	03	4.000	0.7333	04	10.000	0.6598
05	40.000	0.7701	06	100.000	0.751	07	200.000	0.7681	08	300.000	0.7568
09	400.000	0.7452									

o-Xylene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
10	0.500	0.6711	02	1.000	0.6607	03	2.000	0.6935	04	5.000	0.6744
05	20.000	0.7313	06	50.000	0.7351	07	100.000	0.7564	08	150.000	0.7492
09	200.000	0.7286									

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility **Calibration Date:** 6/16/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900062 **Signal ID:** 1
Instrument ID: R-MS-10

		Calibration Evaluation				Calibration Evaluation	
Analyte Name	Compound Type	Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
4-Bromofluorobenzene	SURR	Average RF	% RSD	5.0	≤20	0.4901	
Benzene	TRG	Average RF	% RSD	2.7	≤20	1.526	0.500
Dibromofluoromethane	SURR	Average RF	% RSD	4.9	≤20	0.3269	
Ethylbenzene	TRG	Average RF	% RSD	4.6	≤20	0.593	0.100
Toluene	TRG	Average RF	% RSD	3.3	≤20	1.586	0.400
Toluene-d8	SURR	Average RF	% RSD	4.8	≤20	1.314	
m,p-Xylenes	TRG	Average RF	% RSD	5.7	≤20	0.7326	0.100
o-Xylene	TRG	Average RF	% RSD	5.1	≤20	0.7111	0.300

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility **Calibration Date:** 6/16/2019

Initial Calibration Verification Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900062 **Signal ID:** 1
Instrument ID: R-MS-10

#	Lab Code	Sample Name	File Location	Acquisition Date
11	RC1900062-11	ICV 50	I:\ACQUDATA\msvoa10\data\061619\E1900.D	06/16/2019 17:26
12	RC1900062-12	ICV#2	I:\ACQUDATA\msvoa10\data\061719\E1909.D	06/17/2019 12:25

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
Benzene	50.0	46.9	1.526E0	1.433E0	-6.103	±30	Average RF
Ethylbenzene	50.0	47.3	5.93E-1	5.61E-1	-5.385	±30	Average RF
Toluene	50.0	46.5	1.586E0	1.476E0	-6.959	±30	Average RF
m,p-Xylenes	100	95.9	7.326E-1	7.028E-1	-4.062	±30	Average RF
o-Xylene	50.0	48.4	7.111E-1	6.884E-1	-3.197	±30	Average RF

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	50.5	4.901E-1	4.948E-1	0.963	±30	Average RF
Dibromofluoromethane	50.0	51.1	3.269E-1	3.34E-1	2.15	±30	Average RF
Toluene-d8	50.0	50.7	1.314E0	1.333E0	1.43	±30	Average RF

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Analyzed:**	06/17/19 22:41

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	**Calibration Date:**	6/16/2019
File ID:	I:\ACQUDATA\msvoa10\data\061719\E1936.D\	**Calibration ID:**	RC1900062
Signal ID:	1	**Analysis Lot:**	639694
		Units:	ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Benzene	50.0	48.8	1.5261	1.4894	-2.4	NA	±20	Average RF
Ethylbenzene	50.0	51.3	0.593	0.6084	2.6	NA	±20	Average RF
Toluene	50.0	49.9	1.5862	1.5814	-0.3	NA	±20	Average RF
m,p-Xylenes	100	102	0.7326	0.7465	1.9	NA	±20	Average RF
o-Xylene	50.0	50.8	0.7111	0.7224	1.6	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	51.5	0.4901	0.5045	2.9	NA	±20	Average RF
Dibromofluoromethane	50.0	50.9	0.3269	0.3327	1.8	NA	±20	Average RF
Toluene-d8	50.0	51.5	1.3141	1.3538	3.0	NA	±20	Average RF

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Analyzed:**	06/18/19 09:37

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	**Calibration Date:**	6/16/2019
File ID:	I:\ACQUDATA\msvoa10\data\061819\E1964.D\	**Calibration ID:**	RC1900062
Signal ID:	1	**Analysis Lot:**	639785
		Units:	ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Benzene	50.0	50.8	1.5261	1.549	1.5	NA	±20	Average RF
Ethylbenzene	50.0	51.6	0.593	0.6115	3.1	NA	±20	Average RF
Toluene	50.0	42.7	1.5862	1.3558	-14.5	NA	±20	Average RF
m,p-Xylenes	100	105	0.7326	0.7724	5.4	NA	±20	Average RF
o-Xylene	50.0	52.2	0.7111	0.743	4.5	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	42.7	0.4901	0.4189	-14.5	NA	±20	Average RF
Dibromofluoromethane	50.0	52.3	0.3269	0.3418	4.5	NA	±20	Average RF
Toluene-d8	50.0	42.9	1.3141	1.127	-14.2	NA	±20	Average RF

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:**R1905417
Project: Former Borden Facility/08212777

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method: **Analysis Lot:**639694
Instrument ID:R-MS-10

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa10\data\061719\E1934.D\	ZZZZZZZ	ZZZZZZZ	6/17/2019	21:47:00	
I:\ACQUDATA\msvoa10\data\061719\E1936.D\	Continuing Calibration Verification	RQ1906120-02	6/17/2019	22:41:00	
I:\ACQUDATA\msvoa10\data\061719\E1937.D\	Lab Control Sample	RQ1906120-03	6/17/2019	23:03:00	
I:\ACQUDATA\msvoa10\data\061719\E1938.D\	Duplicate Lab Control Sample	RQ1906120-04	6/17/2019	23:25:00	
I:\ACQUDATA\msvoa10\data\061719\E1940.D\	Method Blank	RQ1906120-05	6/18/2019	00:08:00	
I:\ACQUDATA\msvoa10\data\061719\E1942.D\	ZZZZZZZ	ZZZZZZZ	6/18/2019	00:52:00	
I:\ACQUDATA\msvoa10\data\061719\E1943.D\	ZZZZZZZ	ZZZZZZZ	6/18/2019	01:14:00	
I:\ACQUDATA\msvoa10\data\061719\E1944.D\	ZZZZZZZ	ZZZZZZZ	6/18/2019	01:36:00	
I:\ACQUDATA\msvoa10\data\061719\E1945.D\	ZZZZZZZ	ZZZZZZZ	6/18/2019	01:58:00	
I:\ACQUDATA\msvoa10\data\061719\E1946.D\	ZZZZZZZ	ZZZZZZZ	6/18/2019	02:20:00	
I:\ACQUDATA\msvoa10\data\061719\E1947.D\	ZZZZZZZ	ZZZZZZZ	6/18/2019	02:42:00	
I:\ACQUDATA\msvoa10\data\061719\E1949.D\	ZZZZZZZ	ZZZZZZZ	6/18/2019	03:25:00	
I:\ACQUDATA\msvoa10\data\061719\E1950.D\	ZZZZZZZ	ZZZZZZZ	6/18/2019	03:47:00	
I:\ACQUDATA\msvoa10\data\061719\E1951.D\	Trip Blank	R1905417-014	6/18/2019	04:09:00	
I:\ACQUDATA\msvoa10\data\061719\E1952.D\	MW-16	R1905417-001	6/18/2019	04:31:00	
I:\ACQUDATA\msvoa10\data\061719\E1953.D\	MW-27	R1905417-002	6/18/2019	04:53:00	
I:\ACQUDATA\msvoa10\data\061719\E1956.D\	OW-35R	R1905417-006	6/18/2019	05:58:00	
I:\ACQUDATA\msvoa10\data\061719\E1957.D\	Beatty Creek	R1905417-007	6/18/2019	06:20:00	
I:\ACQUDATA\msvoa10\data\061719\E1958.D\	MW-19	R1905417-008	6/18/2019	06:42:00	
I:\ACQUDATA\msvoa10\data\061719\E1959.D\	Dupe	R1905417-013	6/18/2019	07:04:00	
I:\ACQUDATA\msvoa10\data\061719\E1961.D\	MW-15	R1905417-003	6/18/2019	07:48:00	

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:**R1905417
Project: Former Borden Facility/08212777

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method: **Analysis Lot:**639785
Instrument ID:R-MS-10

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa10\data\061819\E1963.D\	ZZZZZZZ	ZZZZZZZ	6/18/2019	09:09:00	
I:\ACQUDATA\msvoa10\data\061819\E1964.D\	Continuing Calibration Verification	RQ1906186-02	6/18/2019	09:37:00	
I:\ACQUDATA\msvoa10\data\061819\E1965.D\	Lab Control Sample	RQ1906186-03	6/18/2019	10:15:00	
I:\ACQUDATA\msvoa10\data\061819\E1966.D\	ZZZZZZZ	ZZZZZZZ	6/18/2019	10:37:00	
I:\ACQUDATA\msvoa10\data\061819\E1968.D\	ZZZZZZZ	ZZZZZZZ	6/18/2019	11:30:00	
I:\ACQUDATA\msvoa10\data\061819\E1970.D\	Method Blank	RQ1906186-06	6/18/2019	12:13:00	
I:\ACQUDATA\msvoa10\data\061819\E1971.D\	ZZZZZZZ	ZZZZZZZ	6/18/2019	12:44:00	
I:\ACQUDATA\msvoa10\data\061819\E1973.D\	MW-28	R1905417-004	6/18/2019	13:30:00	
I:\ACQUDATA\msvoa10\data\061819\E1974.D\	MW-35R	R1905417-005	6/18/2019	13:51:00	
I:\ACQUDATA\msvoa10\data\061819\E1975.D\	OW-10R	R1905417-009	6/18/2019	14:13:00	
I:\ACQUDATA\msvoa10\data\061819\E1976.D\	ZZZZZZZ	ZZZZZZZ	6/18/2019	14:35:00	
I:\ACQUDATA\msvoa10\data\061819\E1981.D\	ZZZZZZZ	ZZZZZZZ	6/18/2019	16:31:00	
I:\ACQUDATA\msvoa10\data\061819\E1982.D\	ZZZZZZZ	ZZZZZZZ	6/18/2019	16:53:00	
I:\ACQUDATA\msvoa10\data\061819\E1983.D\	ZZZZZZZ	ZZZZZZZ	6/18/2019	17:22:00	
I:\ACQUDATA\msvoa10\data\061819\E1984.D\	ZZZZZZZ	ZZZZZZZ	6/18/2019	17:44:00	
I:\ACQUDATA\msvoa10\data\061819\E1985.D\	ZZZZZZZ	ZZZZZZZ	6/18/2019	18:05:00	
I:\ACQUDATA\msvoa10\data\061819\E1986.D\	ZZZZZZZ	ZZZZZZZ	6/18/2019	18:27:00	
I:\ACQUDATA\msvoa10\data\061819\E1988.D\	ZZZZZZZ	ZZZZZZZ	6/18/2019	19:11:00	
I:\ACQUDATA\msvoa10\data\061819\E1989.D\	ZZZZZZZ	ZZZZZZZ	6/18/2019	19:35:00	
I:\ACQUDATA\msvoa10\data\061819\E1990.D\	ZZZZZZZ	ZZZZZZZ	6/18/2019	19:57:00	
I:\ACQUDATA\msvoa10\data\061819\E1991.D\	ZZZZZZZ	ZZZZZZZ	6/18/2019	20:20:00	
I:\ACQUDATA\msvoa10\data\061819\E1992.D\	ZZZZZZZ	ZZZZZZZ	6/18/2019	20:42:00	

Analysis: 8260C | Analyst: D. Lipani | pH strips: Hyd-204018 | Tune Method: W061719.M

Date: 06/17/19 Run#2 | Balance ID: — | ResCl strips: — | Run Method: ↓

Instr. MS#10 | 50 mL Class A used for dilution FV | Syringes: 18117 | LIMS Run#: 639694

Data Path: j:\acqudata\msvoa(InstID)\(Date)

Pos.	Sample	Diln.	Diln. Prep./	RL	Tier	Vial	pH	File#	OK?	Comments
34	Tune Check							E1934	Y	
35	CCV							35	N	Atomx R.T. shift - rpt
36	CCV							36	Y	DCDFM↑ CE↑ 2-Pr↑
37	LCS							37	Y	2-Pr↑ watch samples
38	DLCS							38	Y	2-Pr↑ " "
39	Blk							39	N	
40	Met Blk							E1940	Y	nae
41	Met Blk							41	(N)	tol-d8↑
42	R1905477-001	1.0		6656	III	1	<2	42	Y	
43	↓ -002	1.0		↓	↓	1	<2	43	Y	
44	R1905478-001	1.0	LL	6656	III	1	<2	44	Y	
45	-002	1.0				1	<2	45	Y	
46	-003	1.0				1	<2	46	Y	
47	-004	1.0				1	<2	47	Y	
48	-005	1.0				1	<2	48	(N)	2-Pr>MRL rpt 1.0
49	-006	1.0				1	<2	49	Y	
50	(RL) -007	1.0	(RL) (5417-014)	↓	↓	1	<2	E1950	Y	
51	R1905417-008	1.0		6684	IV	1	<2	51	Y	
52	R1905417-001	1.0		6684	IV	1	<2	52	Y	
53	-002	1.0				1	<2	53	Y	
54	-004	1.0				1	<2	54	(N)	DBFM↓ rpt 1.0
55	-005	1.0				1	<2	55	(N)	" " "
56	-006	1.0				1	<2	56	Y	
57	-007	1.0				1	<2	57	Y	
58	-008	1.0				1	<2	58	Y	
59	-013	1.0				1	<2	59	Y	
60	-009	10	5.0mL/50mL		✓	1	<2	E1960	(N)	weak rpt 1.0
61	-003	25	2.0mL/50mL	↓		1	<2	61	Y	
	EOD	DL 6/17/19								

All samples = 5.0 mL + 5.0 uL combined IS/Surr. 5.0 mL purged

Primary TG : 200013 5.0µl
Primary HSL : 199993
Primary OCC : 200015
Primary Fr+ : 200014
Primary : _____

50mL DI = CCV.

Secondary TG : 200191 2.0µl
Secondary HSL : 200120
Secondary OCC : 198044
Secondary Fr+ : 200189 5.0µl (PL)
Secondary : _____

50mL DI = LCS/DLCS

Combined IS/Surr : —
Surrogate 50 : 199997
Internal Std 50 : 199998
Reagents:

Runlog-MSVOAr4 1/17/17

Analysis: 8260C/624 | Analyst: D. Lipsam | pH strips: Hyd 204018 | Tune Method: W061619.M

Date: 06/18/19 | Balance ID: — | ResCl strips: HF 101118H | Run Method: ↓

Instr. MS #10 | 50 mL Class A used for dilution FV | Syringes: 181117 | LIMS Run#: 639785

Data Path: j:\acqudata\msvoa(InstID)\(Date)

Pos.	Sample	Diln.	Diln. Prep./	RL	Tier	Vial	pH	File#	OK?	Comments
1	Blk							E1962		
2	Tune Check		(run as a Blk)					63	Y	
3	CCV							64	Y	
4	LCS-Acid							65	Y	
5	LCS-Unp.							66	Y	
6	Blk							67	N	
7	LCS-Acetatest+							68	Y	
8	Met Blk							↓ 69	N	Atomx R.T. shift
9	Met Blk							E1970	Y	
10	R1905472-027	1.0		9893	II	1	7	71	Y	
11	R1905478-005	1.0		6656	III	2	<2	72	(N)	DBFM↓ rpt
12	R1905417-004	1.0		6684	IV	2	<2	73	Y	
13	-005	1.0		↓	↓	2	<2	74	Y	
14	↓ -009	1.0	Residual	↓	↓	2	<2	75	Y	
15	R1905478-005	1.0	Chlorine	6656	III	3	<2	76	Y	
16	R1905585-001	1.0	(624.1) neg	15891	II	1	7	77	(N)	BFB↓ rpt 1.0
17	-002	100	1.0mL/100mL neg	16102		1	7	↓ 78	(N)	acetone↑ as a "DL" rpt 1/200
18	-001	1.0	neg	15891		2	7	79	(N)	BFB↓ rpt 1.0
19	-002	200	1.0mL/200mL neg	16102		2&1	7	E1980	(N)	acetone↑, rpt 1/250
20	-001	1.0	neg	15891		3	7	81	Y	
21	↓ -002	250	1.0mL/250mL neg	16102	↓	2	7	82	Y	= DL
22	-002	10	5.0mL/50mL neg	↓		2	7	83	(Y)	use w 1/250
23	R1905543-001	1.0	neg	11852	II	1	7	84	Y	
24	5544-001	1.0	neg	18181		1	7	85	Y	
25	↓ 5546-001	1.0	neg	↓	↓	1	7	86	Y	DBFM↓ (is a NT)
26	R1905490-003	1.0	—	17173	IV	1	<2	87	(N)	BFB↓ rpt 1.0 (DL)
27	-004	1.0	—			1	<2	88	Y	
28	-001	10	5.0mL/50mL —			1	<2	↓ 89	Y	
29	-002	10	5.0mL/50mL —			1	<2	E1990	Y	
30	-001MS	10	5.0mL/50mL —			2	<2	91	Y	thought TCE↑
31	↓ -001DMS	10	—	↓	↓	2	<2	92	Y	" "
	EOD	DL 6/18/19								

All samples = 5.0 mL + 5.0 uL combined IS/Surr. 5.0 mL purged

Combined IS/Surr : —

Surrogate 50 : 199998

Internal Std 50 : 199997

Reagents:

Primary TG : 200013 5.0µl

Primary HSL : 199993

Primary OCC : 200015

Primary Fr+ : 200014 ↓

Primary : —

/ 50mL DI = CCV

Secondary TG : 200191 2.0µl , 4.2µl

Secondary HSL : 200120

Secondary OCC : 198044

Secondary Fr+ : 200189 5.0µl ↓ , 10.6µl ↓

Secondary Ac+ : 199889 — 50mL → LCS

42mL vials samp. = MS/DMS

(5.0µl/50mL → Acetatest+ LCS)

Runlog-MSVOAr4 1/17/17

Semivolatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 12:00
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-16	**Units:**	ug/L
Lab Code:	R1905417-001	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Phenol	1.0 U	9.4	1.0	1	07/12/19 14:12	7/1/19	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	84	35 - 141	07/12/19 14:12	
2-Fluorophenol	38	10 - 105	07/12/19 14:12	
Phenol-d6	26	10 - 107	07/12/19 14:12	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 12:00
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-16	**Units:**	ug/L
Lab Code:	R1905417-001	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Phenol	**2500 B**	210	22	20	06/19/19 22:05	6/17/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	0 *	35 - 141	06/19/19 22:05	D
2-Fluorophenol	0 *	10 - 105	06/19/19 22:05	D
Phenol-d6	0 *	10 - 107	06/19/19 22:05	D

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 12:22
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-27	**Units:**	ug/L
Lab Code:	R1905417-002	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Phenol	1.0 U	9.4	1.0	1	07/12/19 14:41	7/1/19	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	80	35 - 141	07/12/19 14:41	
2-Fluorophenol	45	10 - 105	07/12/19 14:41	
Phenol-d6	33	10 - 107	07/12/19 14:41	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 12:22
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-27	**Units:**	ug/L
Lab Code:	R1905417-002	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Phenol	**200 B**	22	2.2	2	06/19/19 22:34	6/17/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	107	35 - 141	06/19/19 22:34	
2-Fluorophenol	34	10 - 105	06/19/19 22:34	
Phenol-d6	23	10 - 107	06/19/19 22:34	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 10:30
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-15	**Units:**	ug/L
Lab Code:	R1905417-003	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Phenol	**290000**	30000	3000	3	07/12/19 15:12	7/1/19	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	74	35 - 141	07/12/19 15:12	
2-Fluorophenol	41	10 - 105	07/12/19 15:12	
Phenol-d6	29	10 - 107	07/12/19 15:12	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 10:30
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-15	**Units:**	ug/L
Lab Code:	R1905417-003	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Phenol	**150000**	94000	10000	10000	06/19/19 23:03	6/17/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	0 *	35 - 141	06/19/19 23:03	D
2-Fluorophenol	0 *	10 - 105	06/19/19 23:03	D
Phenol-d6	0 *	10 - 107	06/19/19 23:03	D

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 12:28
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-28	**Units:**	ug/L
Lab Code:	R1905417-004	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Phenol	1.0 U	9.4	1.0	1	07/12/19 15:41	7/1/19	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	79	35 - 141	07/12/19 15:41	
2-Fluorophenol	37	10 - 105	07/12/19 15:41	
Phenol-d6	26	10 - 107	07/12/19 15:41	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 12:28
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-28	**Units:**	ug/L
Lab Code:	R1905417-004	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Phenol	**2000 B**	190	20	20	06/19/19 23:33	6/17/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	0 *	35 - 141	06/19/19 23:33	D
2-Fluorophenol	0 *	10 - 105	06/19/19 23:33	D
Phenol-d6	0 *	10 - 107	06/19/19 23:33	D

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 11:25
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-35R	**Units:**	ug/L
Lab Code:	R1905417-005	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Phenol	1.0 U	9.4	1.0	1	07/12/19 16:09	7/1/19	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	77	35 - 141	07/12/19 16:09	
2-Fluorophenol	36	10 - 105	07/12/19 16:09	
Phenol-d6	25	10 - 107	07/12/19 16:09	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 11:25
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-35R	**Units:**	ug/L
Lab Code:	R1905417-005	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Phenol	**410 B**	47	5.0	5	06/20/19 00:02	6/17/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	82	35 - 141	06/20/19 00:02	
2-Fluorophenol	28	10 - 105	06/20/19 00:02	
Phenol-d6	19	10 - 107	06/20/19 00:02	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 10:05
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	OW-35R	**Units:**	ug/L
Lab Code:	R1905417-006	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Phenol	**2.0 BJ**	10	1.0	1	06/24/19 19:55	6/21/19	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	119	35 - 141	06/24/19 19:55	
2-Fluorophenol	37	10 - 105	06/24/19 19:55	
Phenol-d6	23	10 - 107	06/24/19 19:55	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 10:05
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	OW-35R	**Units:**	ug/L
Lab Code:	R1905417-006	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Phenol	**2.4 BJ**	10	1.0	1	06/18/19 19:22	6/17/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	120	35 - 141	06/18/19 19:22	
2-Fluorophenol	37	10 - 105	06/18/19 19:22	
Phenol-d6	25	10 - 107	06/18/19 19:22	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 11:40
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	Beatty Creek	**Units:**	ug/L
Lab Code:	R1905417-007	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Phenol	1.1 U	11	1.1	1	06/24/19 20:24	6/21/19	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	97	35 - 141	06/24/19 20:24	
2-Fluorophenol	37	10 - 105	06/24/19 20:24	
Phenol-d6	25	10 - 107	06/24/19 20:24	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 11:40
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	Beatty Creek	**Units:**	ug/L
Lab Code:	R1905417-007	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Phenol	**1.2 BJ**	9.4	1.0	1	06/18/19 19:51	6/17/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	116	35 - 141	06/18/19 19:51	
2-Fluorophenol	36	10 - 105	06/18/19 19:51	
Phenol-d6	23	10 - 107	06/18/19 19:51	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 11:15
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-19	**Units:**	ug/L
Lab Code:	R1905417-008	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Phenol	1.0 U	9.4	1.0	1	06/18/19 20:20	6/17/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	110	35 - 141	06/18/19 20:20	
2-Fluorophenol	32	10 - 105	06/18/19 20:20	
Phenol-d6	21	10 - 107	06/18/19 20:20	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 09:40
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	OW-10R	**Units:**	ug/L
Lab Code:	R1905417-009	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Phenol	**450**	47	5.0	5	07/12/19 16:37	7/1/19	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	69	35 - 141	07/12/19 16:37	
2-Fluorophenol	34	10 - 105	07/12/19 16:37	
Phenol-d6	23	10 - 107	07/12/19 16:37	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 09:40
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	OW-10R	**Units:**	ug/L
Lab Code:	R1905417-009	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Phenol	**580 B**	52	5.3	5	06/20/19 00:31	6/17/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	91	35 - 141	06/20/19 00:31	
2-Fluorophenol	24	10 - 105	06/20/19 00:31	
Phenol-d6	19	10 - 107	06/20/19 00:31	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 13:50
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-17	**Units:**	ug/L
Lab Code:	R1905417-011	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Phenol	1.0 U	9.4	1.0	1	06/18/19 21:15	6/17/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	97	35 - 141	06/18/19 21:15	
2-Fluorophenol	26	10 - 105	06/18/19 21:15	
Phenol-d6	16	10 - 107	06/18/19 21:15	

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\071219\
Data File : DS886.D
Acq On : 12 Jul 2019 2:12 pm
Operator : JMisiurewicz
Sample : R1905417-001
Misc : 339699 8270D RE
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 15 10:01:46 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jul 05 09:32:54 2019
Response via : Initial Calibration

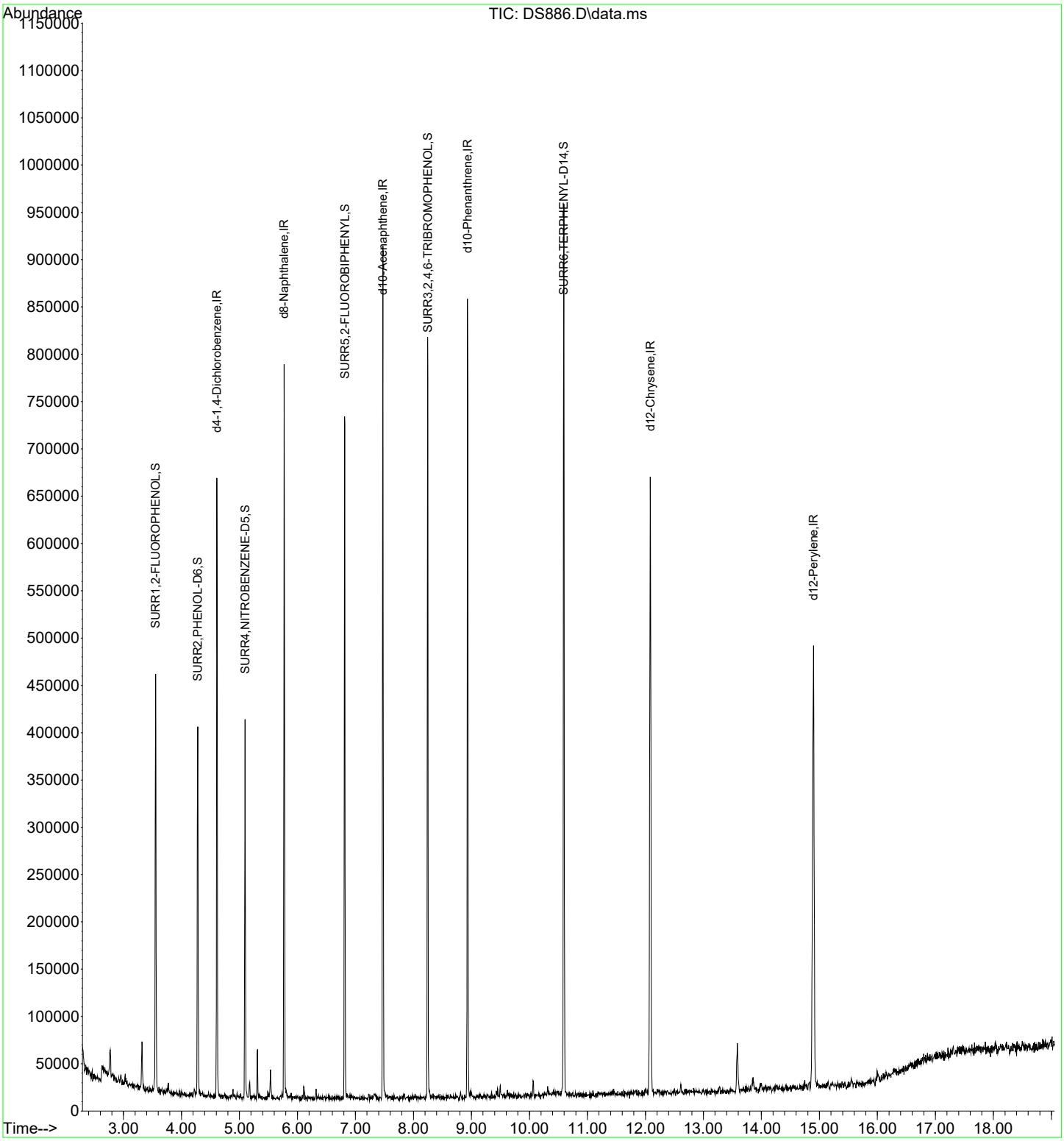
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.611	152	85342	40.00	ppm	-0.01
33) d8-Naphthalene	5.770	136	301093	40.00	ppm	-0.01
57) d10-Acenaphthene	7.474	164	160807	40.00	ppm	0.00
91) d10-Phenanthrene	8.932	188	267896	40.00	ppm	-0.01
117) d12-Chrysene	12.083	240	298678	40.00	ppm	-0.01
135) d12-Perylene	14.898	264	311814	40.00	ppm	0.00
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.553	112	112625	37.99	ppm	0.00
Spiked Amount 100.000	Range 10 - 70		Recovery = 37.99%			
12) SURR2,PHENOL-D6	4.280	99	95577	26.27	ppm	0.00
Spiked Amount 100.000	Range 10 - 107		Recovery = 26.27%			
34) SURR4,NITROBENZENE-D5	5.097	82	112826	33.07	ppm	-0.01
Spiked Amount 50.000	Range 31 - 110		Recovery = 66.14%			
63) SURR5,2-FLUOROBIPHENYL	6.817	172	205112	35.86	ppm	0.00
Spiked Amount 50.000	Range 31 - 118		Recovery = 71.72%			
88) SURR3,2,4,6-TRIBROMOPH...	8.248	330	90641	84.28	ppm	0.00
Spiked Amount 100.000	Range 35 - 141		Recovery = 84.28%			
124) SURR6,TERPHENYL-D14	10.593	244	275162	42.11	ppm	0.00
Spiked Amount 50.000	Range 10 - 165		Recovery = 84.22%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st JM 07/15/19
2nd BA 07/15/19

Data Path : I:\ACQUDATA\5973A\DATA\071219\
Data File : DS886.D
Acq On : 12 Jul 2019 2:12 pm
Operator : JMisiurewicz
Sample : R1905417-001
Misc : 339699 8270D RE
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 15 10:01:46 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jul 05 09:32:54 2019
Response via : Initial Calibration



1st DM 06/24/19
2nd MP 06/24/19

Data Path : I:\ACQUDATA\5973A\DATA\061919\
Data File : DS539.D
Acq On : 19 Jun 2019 10:05 pm
Operator : JMisiurewicz
Sample : R1905417-001|20
Misc : 338744 8270D
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 24 09:15:51 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Jun 24 09:14:09 2019
Response via : Initial Calibration

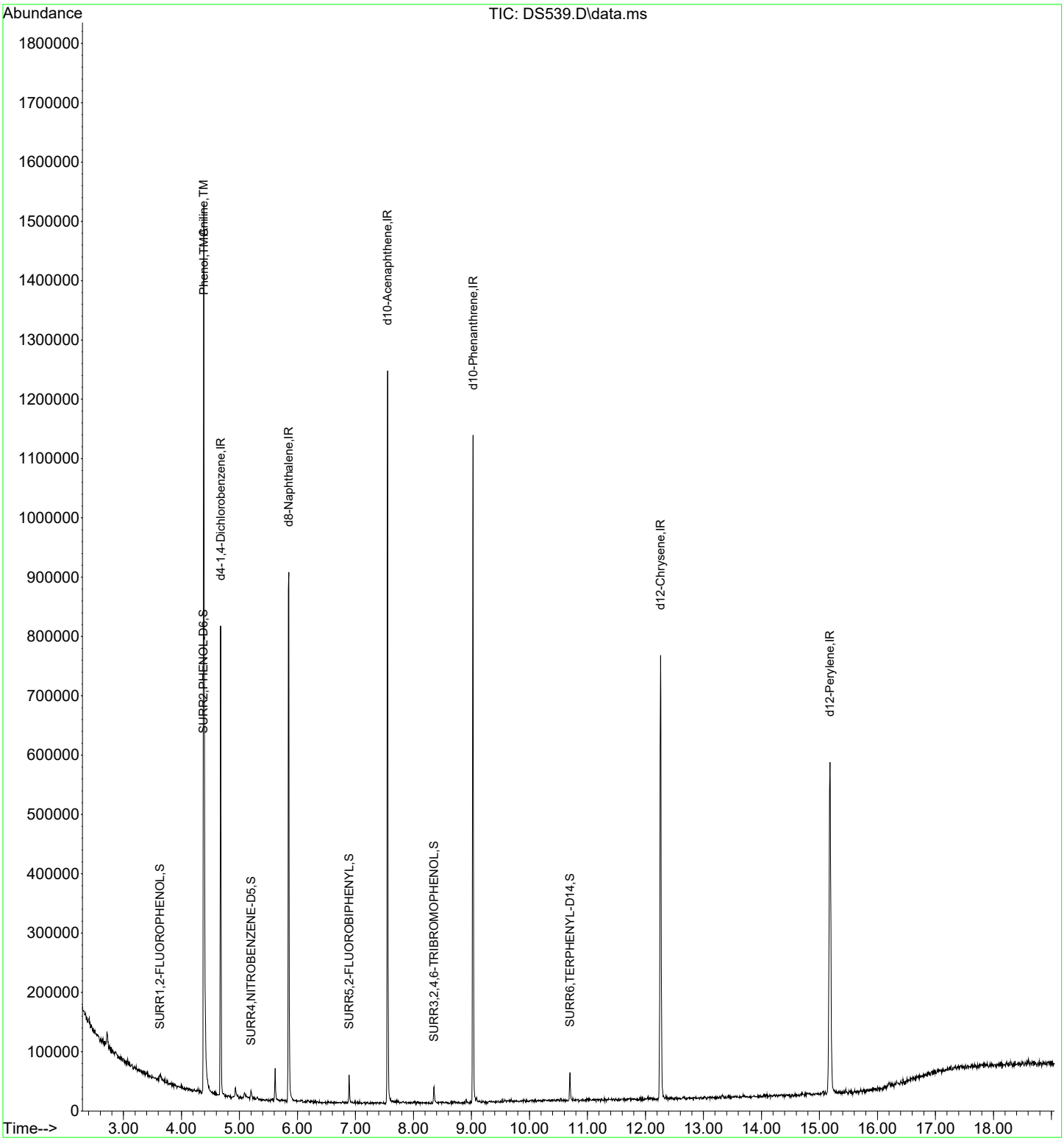
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.674	152	123214	40.00	ppm	0.00
33) d8-Naphthalene	5.849	136	462069	40.00	ppm	0.00
57) d10-Acenaphthene	7.553	164	238348	40.00	ppm	0.00
91) d10-Phenanthrene	9.027	188	401497	40.00	ppm	0.00
117) d12-Chrysene	12.259	240	371196	40.00	ppm	0.00
135) d12-Perylene	15.180	264	390554	40.00	ppm	0.00
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.628	112	5869	1.31	ppm	0.03
Spiked Amount 100.000	Range 10 - 70		Recovery =	1.31%#		
12) SURR2,PHENOL-D6	4.375	99	5722	1.04	ppm	0.00
Spiked Amount 100.000	Range 10 - 107		Recovery =	1.04%#		
34) SURR4,NITROBENZENE-D5	5.198	82	7344	1.57	ppm	0.01
Spiked Amount 50.000	Range 31 - 110		Recovery =	3.14%#		
63) SURR5,2-FLUOROBIPHENYL	6.891	172	13155	1.45	ppm	0.00
Spiked Amount 50.000	Range 31 - 118		Recovery =	2.90%#		
88) SURR3,2,4,6-TRIBROMOPH...	8.354	330	4414	4.52	ppm	0.01
Spiked Amount 100.000	Range 35 - 141		Recovery =	4.52%#		
124) SURR6,TERPHENYL-D14	10.699	244	13370	1.53	ppm	0.00
Spiked Amount 50.000	Range 10 - 165		Recovery =	3.06%#		
Target Compounds						Qvalue
11) Aniline	4.381	93	15902	2.263	ppm	# 1
13) Phenol	4.386	94	703911	116.896	ppm	98

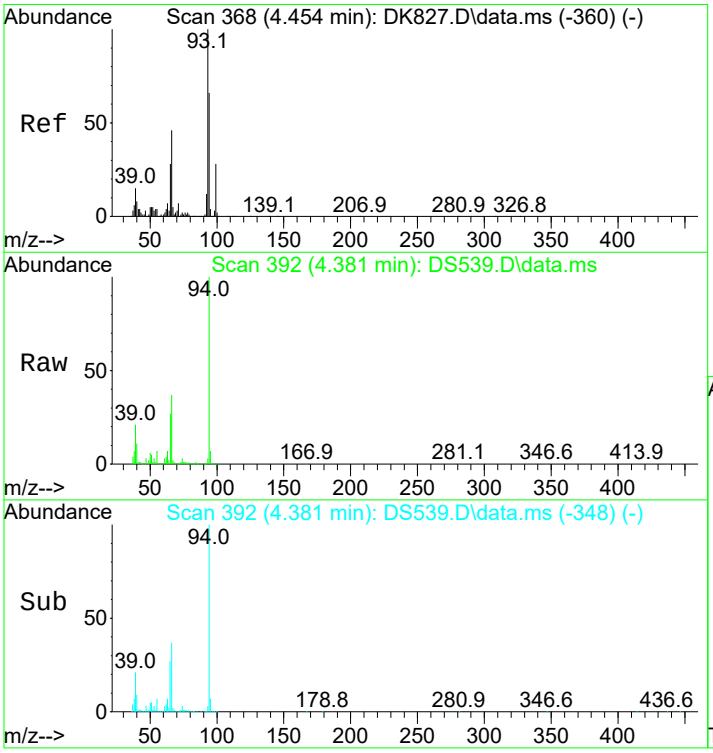
(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st 06/24/19
2nd 06/24/19

Data Path : I:\ACQUDATA\5973A\DATA\061919\
Data File : DS539.D
Acq On : 19 Jun 2019 10:05 pm
Operator : JMisiurewicz
Sample : R1905417-001|20
Misc : 338744 8270D
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 24 09:15:51 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Jun 24 09:14:09 2019
Response via : Initial Calibration

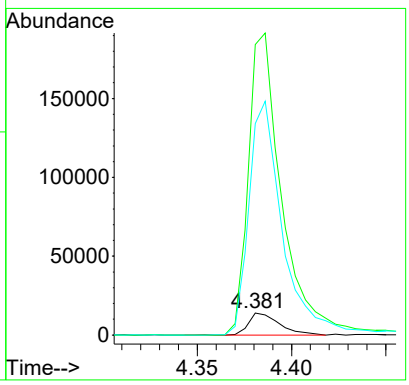


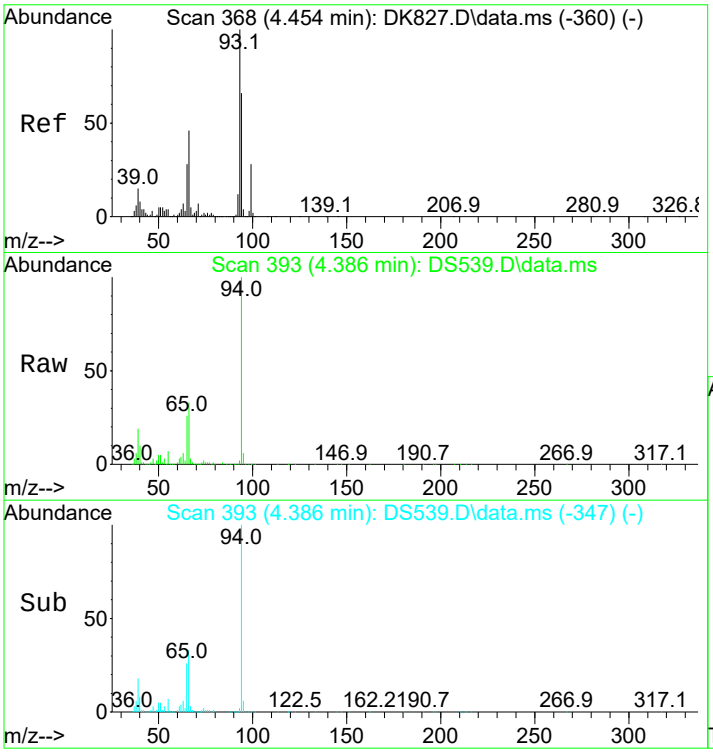


#11
Aniline
Concen: 2.26 ppm
RT: 4.381 min Scan# 392
Delta R.T. -0.015 min
Lab File: DS539.D
Acq: 19 Jun 2019 10:05 pm

Tgt Ion: 93 Resp: 15902

Ion	Ratio	Lower	Upper
93	100		
66	1279.6	3.3	63.3#
65	926.3	0.0	49.0#

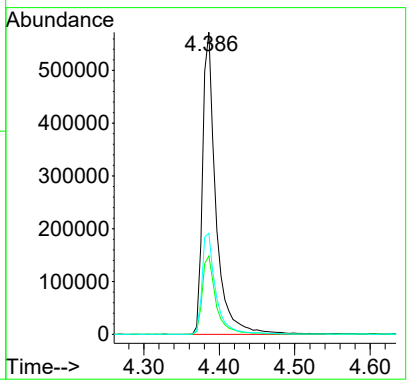




#13
Phenol
Concen: 116.90 ppm
RT: 4.386 min Scan# 393
Delta R.T. -0.005 min
Lab File: DS539.D
Acq: 19 Jun 2019 10:05 pm

Tgt Ion: 94 Resp: 703911

Ion	Ratio	Lower	Upper
94	100		
65	25.9	0.0	57.1
66	33.5	4.1	64.1



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\071219\
Data File : DS887.D
Acq On : 12 Jul 2019 2:41 pm
Operator : JMisiurewicz
Sample : R1905417-002
Misc : 339699 8270D RE
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jul 15 10:01:51 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jul 05 09:32:54 2019
Response via : Initial Calibration

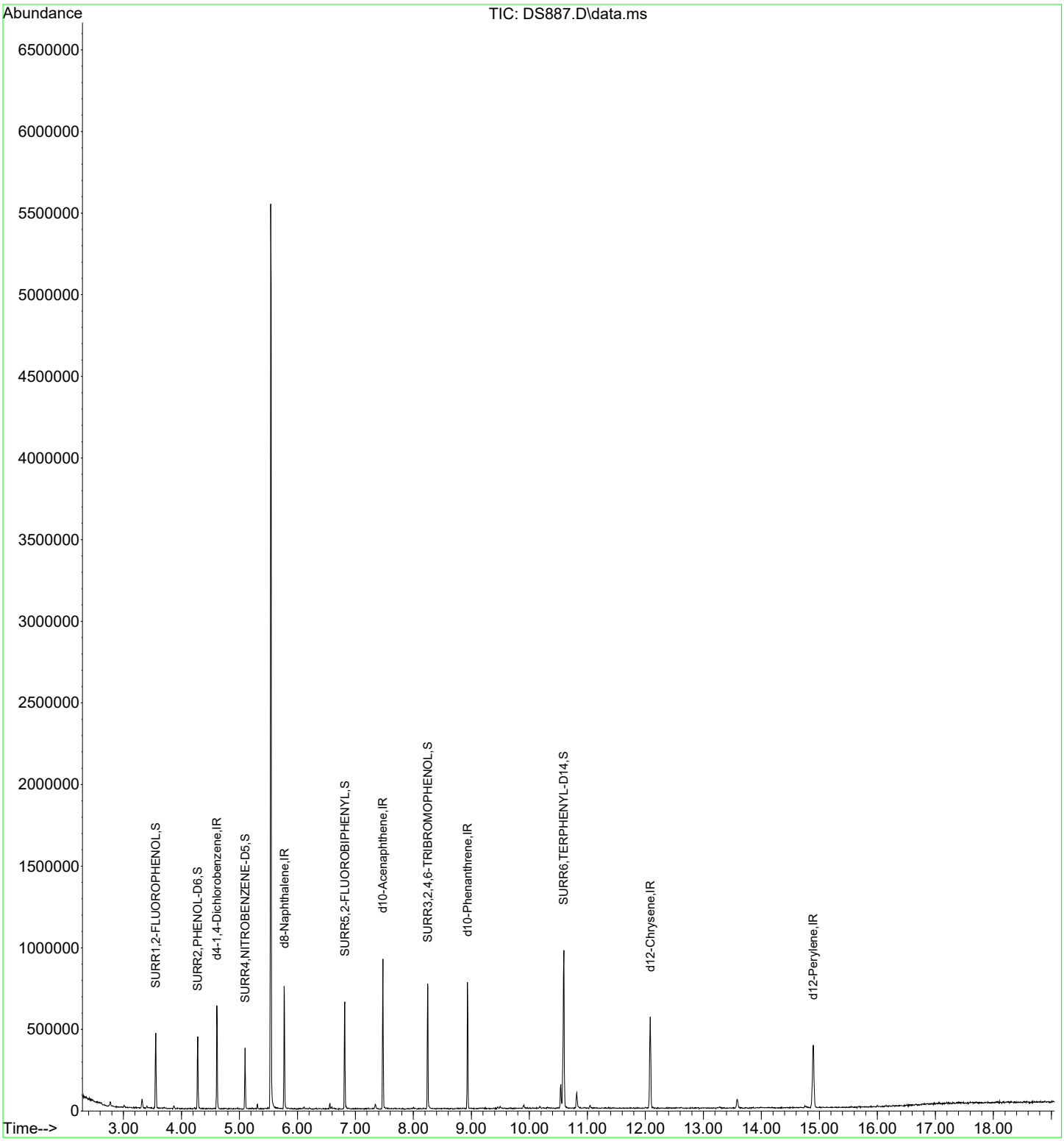
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.611	152	81059	40.00	ppm	-0.01
33) d8-Naphthalene	5.776	136	305081	40.00	ppm	0.00
57) d10-Acenaphthene	7.474	164	161523	40.00	ppm	0.00
91) d10-Phenanthrene	8.932	188	235720	40.00	ppm	-0.01
117) d12-Chrysene	12.084	240	249812	40.00	ppm	-0.01
135) d12-Perylene	14.893	264	253683	40.00	ppm	-0.01
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.559	112	127107	45.14	ppm	0.00
Spiked Amount 100.000	Range 10 - 70		Recovery = 45.14%			
12) SURR2,PHENOL-D6	4.280	99	112472	32.54	ppm	0.00
Spiked Amount 100.000	Range 10 - 107		Recovery = 32.54%			
34) SURR4,NITROBENZENE-D5	5.097	82	105933	30.64	ppm	-0.01
Spiked Amount 50.000	Range 31 - 110		Recovery = 61.28%			
63) SURR5,2-FLUOROBIPHENYL	6.817	172	186765	32.51	ppm	0.00
Spiked Amount 50.000	Range 31 - 118		Recovery = 65.02%			
88) SURR3,2,4,6-TRIBROMOPH...	8.249	330	86698	80.26	ppm	0.00
Spiked Amount 100.000	Range 35 - 141		Recovery = 80.26%			
124) SURR6,TERPHENYL-D14	10.593	244	267024	48.86	ppm	0.00
Spiked Amount 50.000	Range 10 - 165		Recovery = 97.72%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\071219\
Data File : DS887.D
Acq On : 12 Jul 2019 2:41 pm
Operator : JMisiurewicz
Sample : R1905417-002
Misc : 339699 8270D RE
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jul 15 10:01:51 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jul 05 09:32:54 2019
Response via : Initial Calibration



1st DM 06/24/19
2nd MP 06/24/19

Data Path : I:\ACQUDATA\5973A\DATA\061919\
Data File : DS540.D
Acq On : 19 Jun 2019 10:34 pm
Operator : JMisiurewicz
Sample : R1905417-002|2.0
Misc : 338744 8270D
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 24 09:15:56 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Jun 24 09:14:09 2019
Response via : Initial Calibration

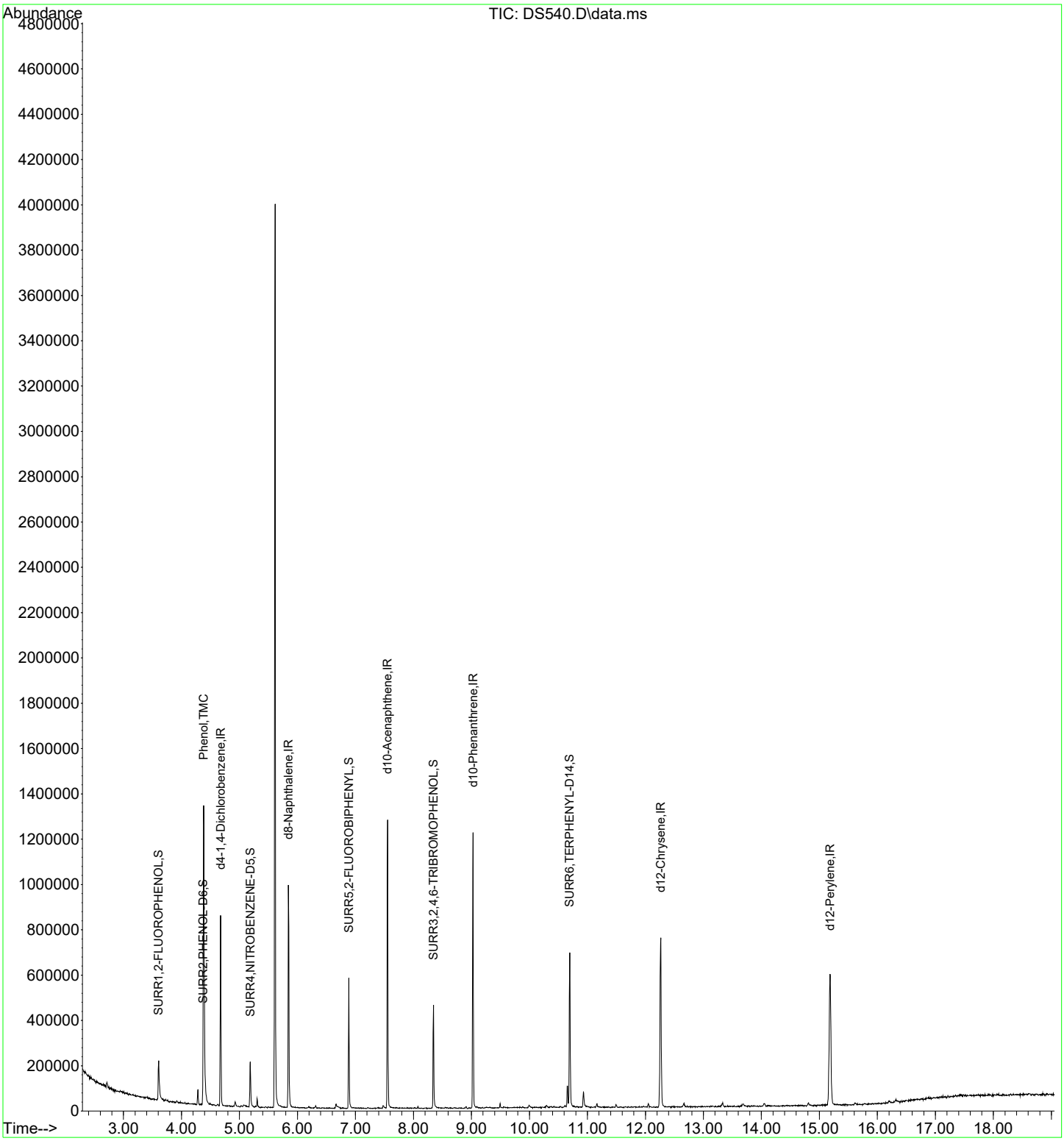
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.675	152	125081	40.00	ppm	0.00
33) d8-Naphthalene	5.845	136	467403	40.00	ppm	0.00
57) d10-Acenaphthene	7.554	164	247093	40.00	ppm	0.00
91) d10-Phenanthrene	9.028	188	412859	40.00	ppm	0.00
117) d12-Chrysene	12.265	240	375068	40.00	ppm	0.00
135) d12-Perylene	15.186	264	392271	40.00	ppm	0.00
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.607	112	76992	16.92	ppm	0.00
Spiked Amount 100.000	Range 10 - 70		Recovery = 16.92%			
12) SURR2,PHENOL-D6	4.371	99	64300	11.50	ppm	0.00
Spiked Amount 100.000	Range 10 - 107		Recovery = 11.50%			
34) SURR4,NITROBENZENE-D5	5.188	82	78235	16.50	ppm	0.00
Spiked Amount 50.000	Range 31 - 110		Recovery = 33.00%			
63) SURR5,2-FLUOROBIPHENYL	6.886	172	164358	17.49	ppm	0.00
Spiked Amount 50.000	Range 31 - 118		Recovery = 34.98%			
88) SURR3,2,4,6-TRIBROMOPH...	8.345	330	53907	53.28	ppm	0.00
Spiked Amount 100.000	Range 35 - 141		Recovery = 53.28%			
124) SURR6,TERPHENYL-D14	10.695	244	166959	18.90	ppm	0.00
Spiked Amount 50.000	Range 10 - 165		Recovery = 37.80%			
Target Compounds						Qvalue
13) Phenol	4.382	94	569325	93.135	ppm	97

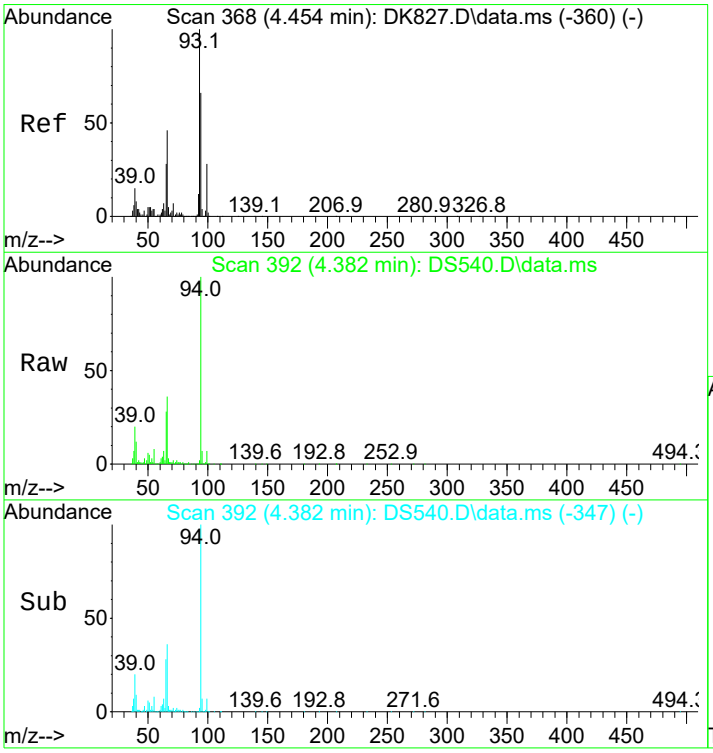
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\061919\
Data File : DS540.D
Acq On : 19 Jun 2019 10:34 pm
Operator : JMisiurewicz
Sample : R1905417-002|2.0
Misc : 338744 8270D
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 24 09:15:56 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Jun 24 09:14:09 2019
Response via : Initial Calibration

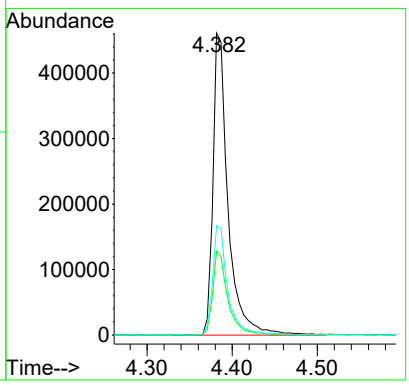




#13
Phenol
Concen: 93.13 ppm
RT: 4.382 min Scan# 392
Delta R.T. -0.009 min
Lab File: DS540.D
Acq: 19 Jun 2019 10:34 pm

Tgt Ion: 94 Resp: 569325

Ion	Ratio	Lower	Upper
94	100		
65	27.7	0.0	57.1
66	36.2	4.1	64.1



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\071219\
Data File : DS888.D
Acq On : 12 Jul 2019 3:12 pm
Operator : JMisiurewicz
Sample : R1905417-003|3.0
Misc : 339699 8270D RE
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jul 15 10:01:56 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jul 05 09:32:54 2019
Response via : Initial Calibration

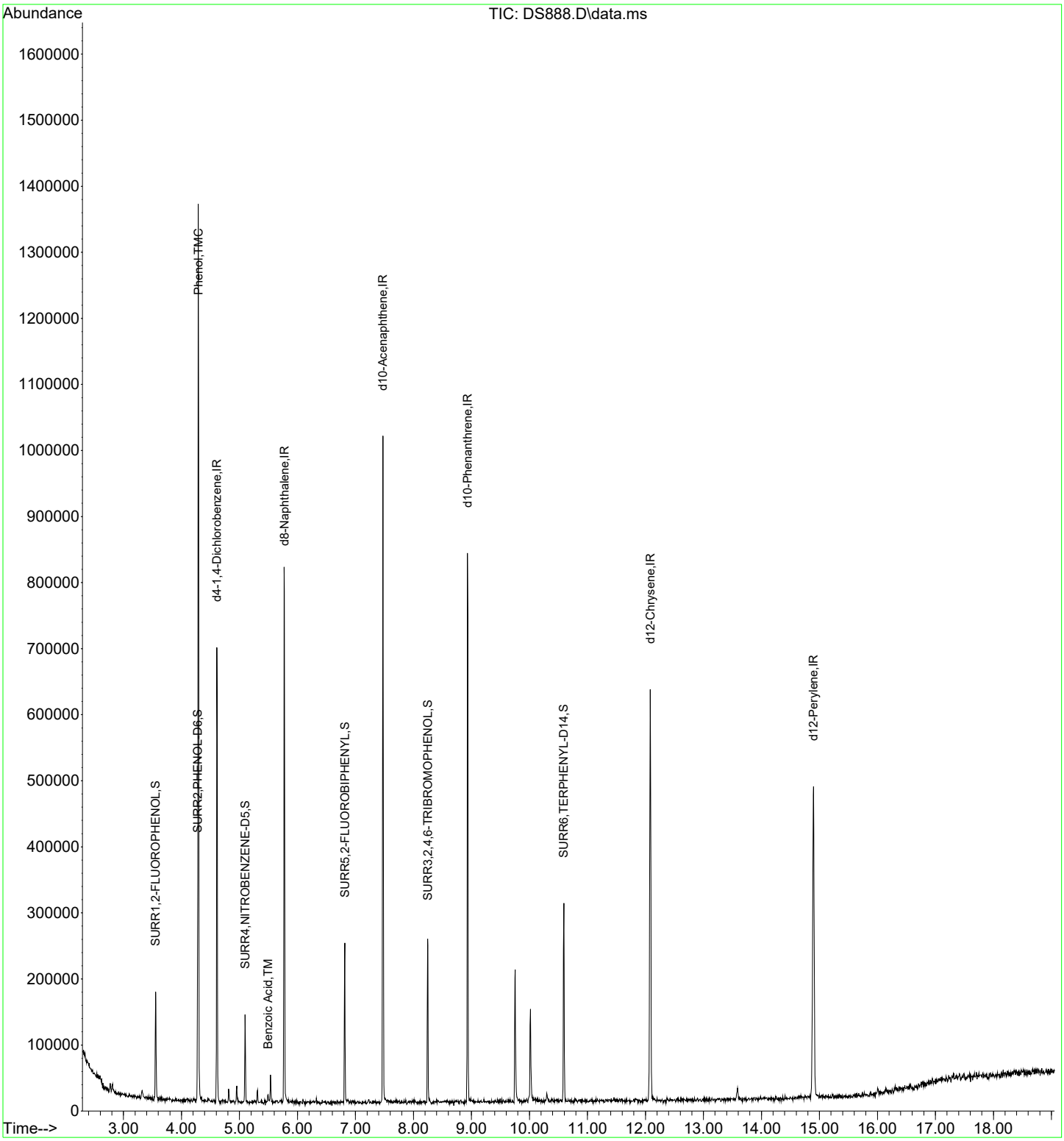
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.611	152	87771	40.00	ppm	-0.01
33) d8-Naphthalene	5.775	136	336684	40.00	ppm	0.00
57) d10-Acenaphthene	7.474	164	172983	40.00	ppm	0.00
91) d10-Phenanthrene	8.932	188	273374	40.00	ppm	-0.01
117) d12-Chrysene	12.083	240	281674	40.00	ppm	-0.01
135) d12-Perylene	14.898	264	306736	40.00	ppm	0.00
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.553	112	41984	13.77	ppm	0.00
Spiked Amount 100.000	Range 10 - 70		Recovery = 13.77%			
12) SURR2,PHENOL-D6	4.280	99	36038	9.63	ppm	0.00
Spiked Amount 100.000	Range 10 - 107		Recovery = 9.63%#			
34) SURR4,NITROBENZENE-D5	5.097	82	39474	10.35	ppm	-0.01
Spiked Amount 50.000	Range 31 - 110		Recovery = 20.70%#			
63) SURR5,2-FLUOROBIPHENYL	6.817	172	66064	10.74	ppm	0.00
Spiked Amount 50.000	Range 31 - 118		Recovery = 21.48%#			
88) SURR3,2,4,6-TRIBROMOPH...	8.248	330	28501	24.64	ppm	0.00
Spiked Amount 100.000	Range 35 - 141		Recovery = 24.64%#			
124) SURR6,TERPHENYL-D14	10.593	244	90089	14.62	ppm	0.00
Spiked Amount 50.000	Range 10 - 165		Recovery = 29.24%			
Target Compounds						Qvalue
13) Phenol	4.290	94	358271	96.299	ppm	96
41) Benzoic Acid	5.492	105	4048	1.672	ppm	94

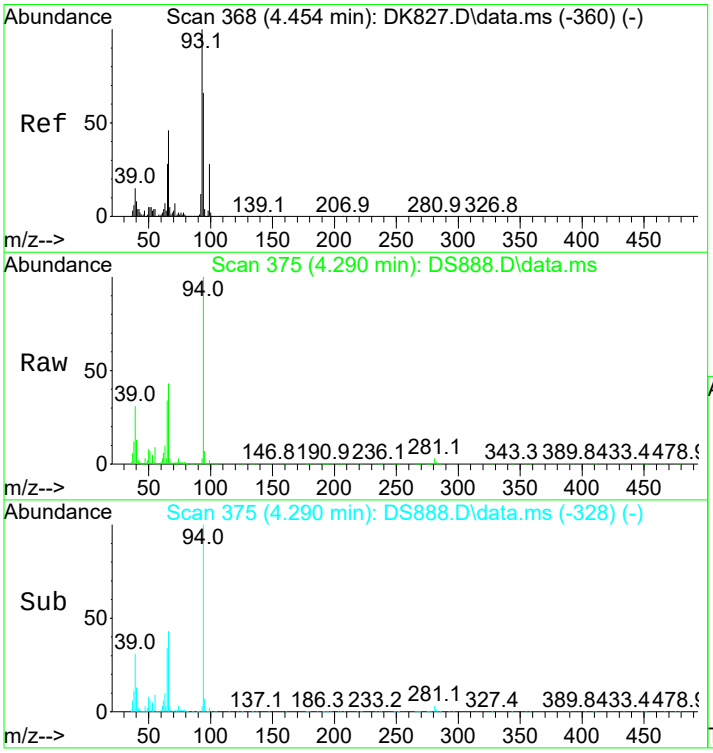
(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st DM 07/15/19
2nd BA 07/15/19

Data Path : I:\ACQUDATA\5973A\DATA\071219\
Data File : DS888.D
Acq On : 12 Jul 2019 3:12 pm
Operator : JMisiurewicz
Sample : R1905417-003|3.0
Misc : 339699 8270D RE
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jul 15 10:01:56 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jul 05 09:32:54 2019
Response via : Initial Calibration

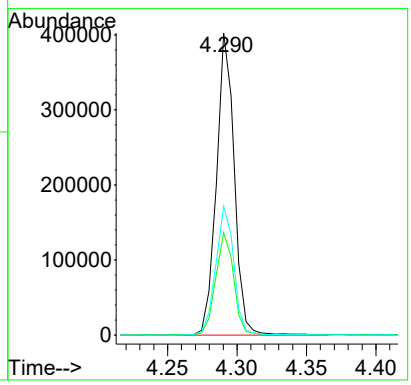


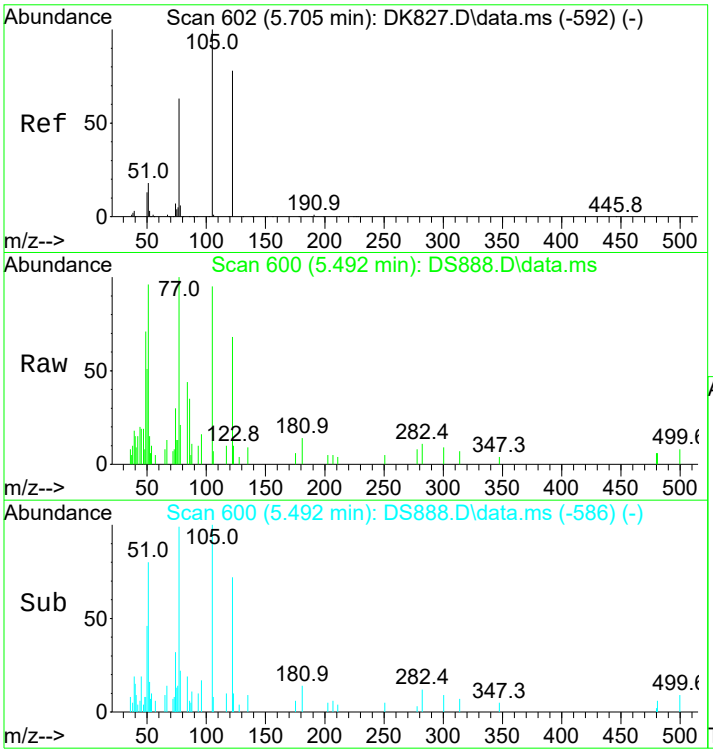


#13
Phenol
Concen: 96.30 ppm
RT: 4.290 min Scan# 375
Delta R.T. -0.001 min
Lab File: DS888.D
Acq: 12 Jul 2019 3:12 pm

Tgt Ion: 94 Resp: 358271

Ion	Ratio	Lower	Upper
94	100		
65	33.8	3.9	63.9
66	42.6	16.9	76.9

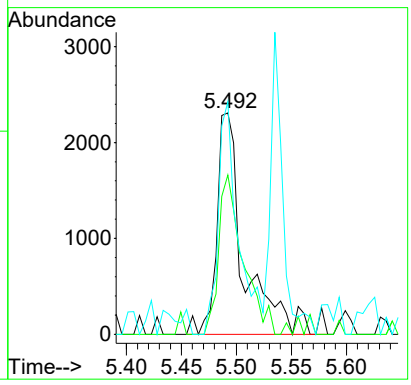




#41
Benzoic Acid
Concen: 1.67 ppm
RT: 5.492 min Scan# 600
Delta R.T. -0.025 min
Lab File: DS888.D
Acq: 12 Jul 2019 3:12 pm

Tgt Ion:105 Resp: 4048

Ion	Ratio	Lower	Upper
105	100		
122	71.9	40.0	110.0
77	92.7	49.7	119.7



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\061919\
Data File : DS541.D
Acq On : 19 Jun 2019 11:03 pm
Operator : JMisiurewicz
Sample : R1905417-003|10000
Misc : 338744 8270D
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 24 09:16:01 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Jun 24 09:14:09 2019
Response via : Initial Calibration

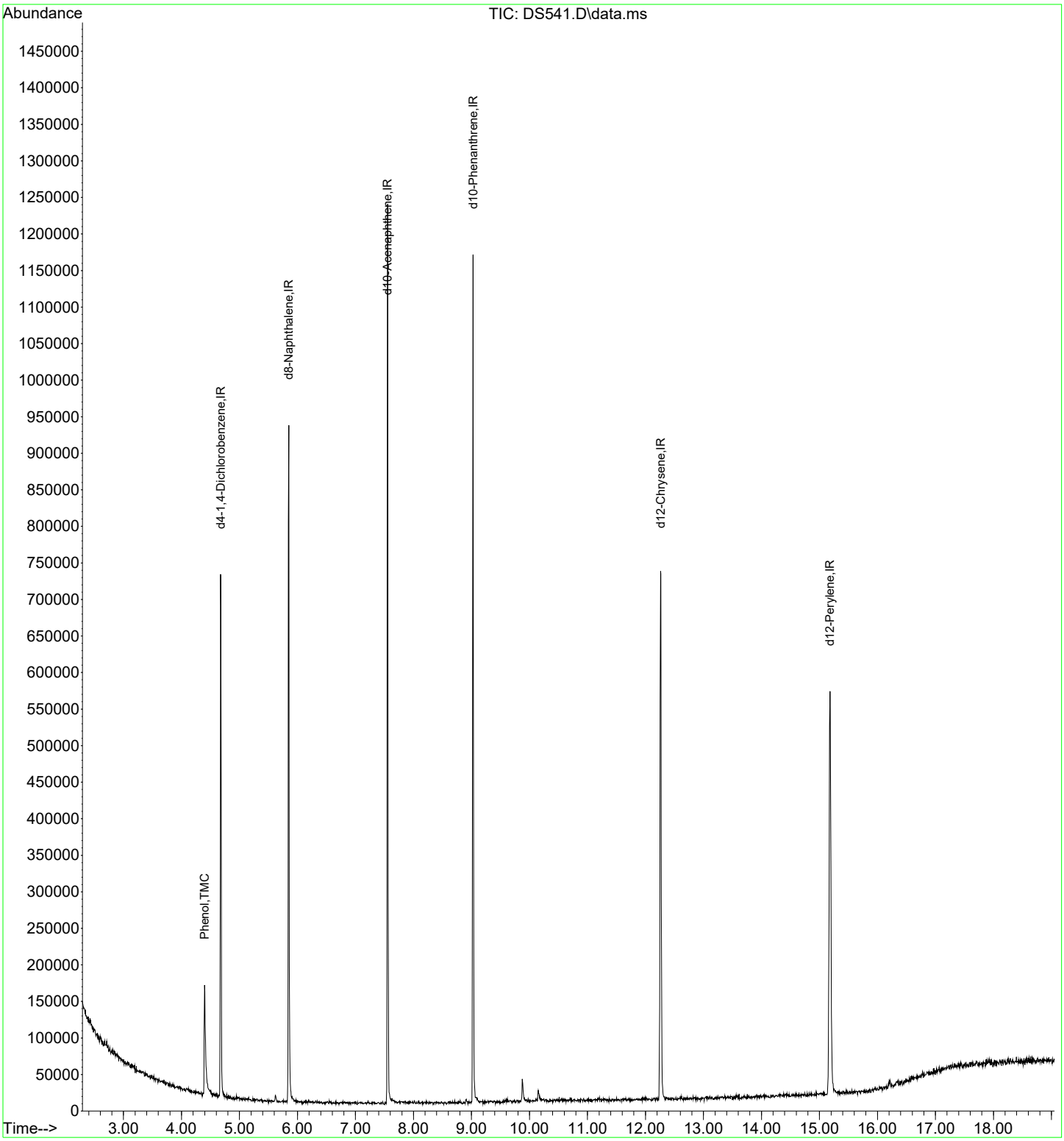
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.674	152	124426	40.00	ppm	0.00
33) d8-Naphthalene	5.849	136	456104	40.00	ppm	0.00
57) d10-Acenaphthene	7.553	164	242486	40.00	ppm	0.00
91) d10-Phenanthrene	9.027	188	410377	40.00	ppm	0.00
117) d12-Chrysene	12.264	240	364141	40.00	ppm	0.00
135) d12-Perylene	15.180	264	391391	40.00	ppm	0.00
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 10 - 70		Recovery =	0.00%#		
12) SURR2,PHENOL-D6	0.000	99	0	0.00	ppm	
Spiked Amount 100.000	Range 10 - 107		Recovery =	0.00%#		
34) SURR4,NITROBENZENE-D5	5.176	82	100	0.02	ppm	0.00
Spiked Amount 50.000	Range 31 - 110		Recovery =	0.04%#		
63) SURR5,2-FLUOROBIPHENYL	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 31 - 118		Recovery =	0.00%#		
88) SURR3,2,4,6-TRIBROMOPH...	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 35 - 141		Recovery =	0.00%#		
124) SURR6,TERPHENYL-D14	10.699	244	953	0.11	ppm	0.00
Spiked Amount 50.000	Range 10 - 165		Recovery =	0.22%#		
Target Compounds						Qvalue
13) Phenol	4.397	94	96772	15.914	ppm	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

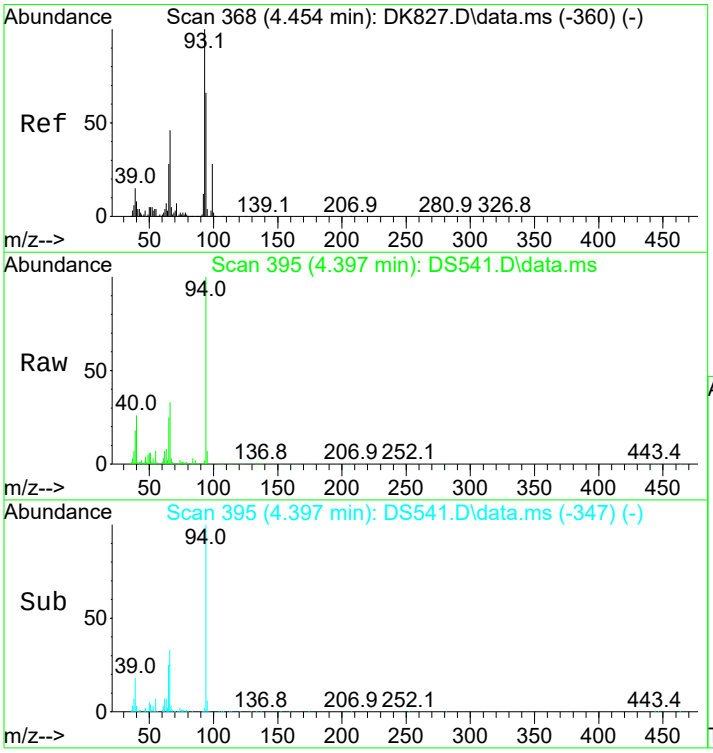
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\061919\
Data File : DS541.D
Acq On : 19 Jun 2019 11:03 pm
Operator : JMisiurewicz
Sample : R1905417-003|10000
Misc : 338744 8270D
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 24 09:16:01 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Jun 24 09:14:09 2019
Response via : Initial Calibration



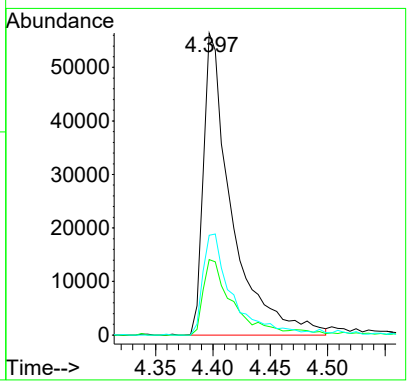
1st 06/24/19
2nd 06/24/19



#13
Phenol
Concen: 15.91 ppm
RT: 4.397 min Scan# 395
Delta R.T. 0.006 min
Lab File: DS541.D
Acq: 19 Jun 2019 11:03 pm

Tgt Ion: 94 Resp: 96772

Ion	Ratio	Lower	Upper
94	100		
65	25.0	0.0	57.1
66	33.0	4.1	64.1



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\071219\
Data File : DS889.D
Acq On : 12 Jul 2019 3:41 pm
Operator : JMisiurewicz
Sample : R1905417-004
Misc : 339699 8270D RE
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 15 10:02:01 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jul 05 09:32:54 2019
Response via : Initial Calibration

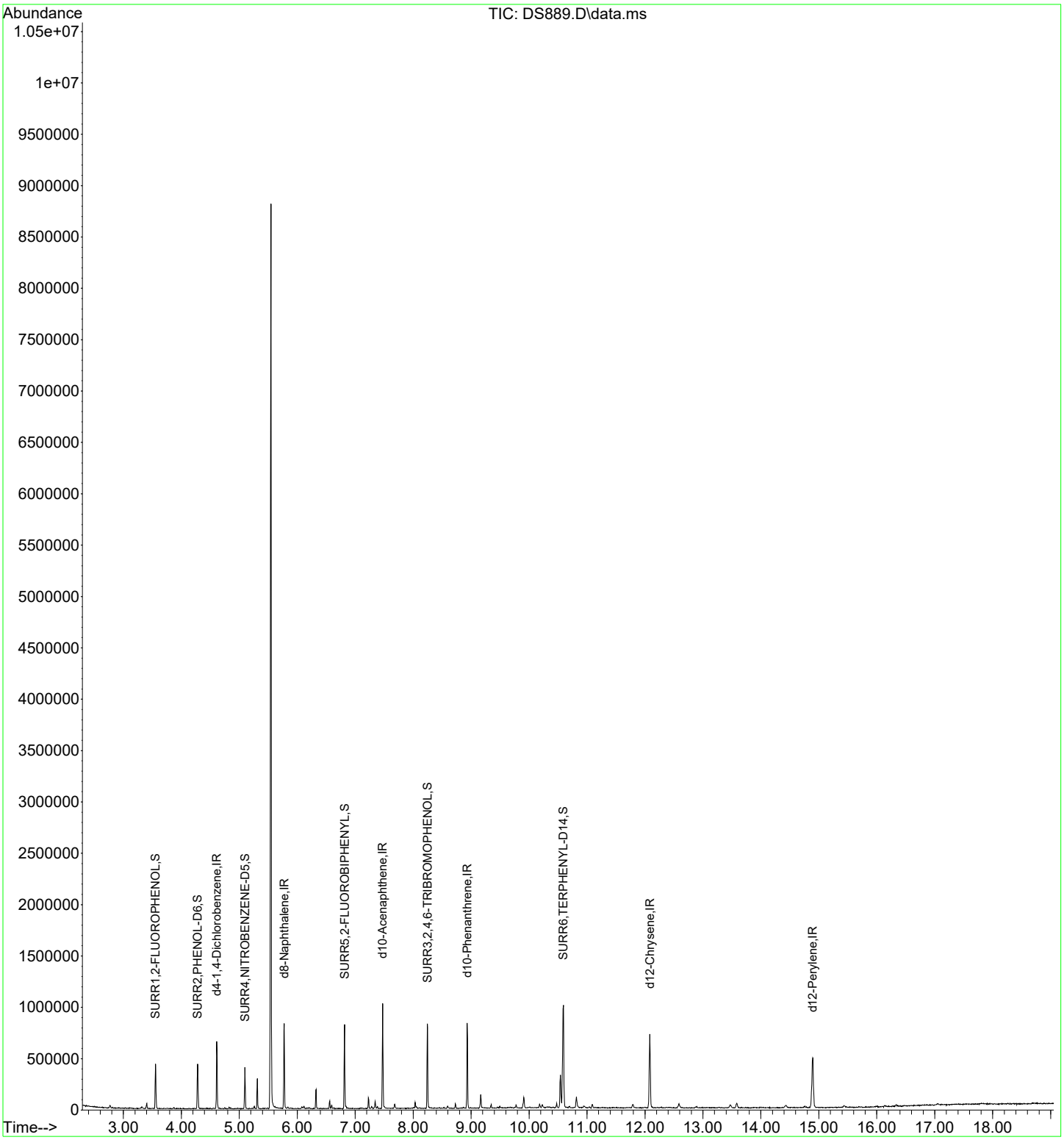
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.611	152	86849	40.00	ppm	-0.01
33) d8-Naphthalene	5.775	136	331740	40.00	ppm	0.00
57) d10-Acenaphthene	7.474	164	175152	40.00	ppm	0.00
91) d10-Phenanthrene	8.932	188	261290	40.00	ppm	-0.01
117) d12-Chrysene	12.083	240	314274	40.00	ppm	-0.01
135) d12-Perylene	14.893	264	323360	40.00	ppm	-0.01
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.553	112	110746	36.71	ppm	0.00
Spiked Amount 100.000	Range 10 - 70		Recovery = 36.71%			
12) SURR2,PHENOL-D6	4.280	99	94631	25.56	ppm	0.00
Spiked Amount 100.000	Range 10 - 107		Recovery = 25.56%			
34) SURR4,NITROBENZENE-D5	5.097	82	112894	30.03	ppm	-0.01
Spiked Amount 50.000	Range 31 - 110		Recovery = 60.06%			
63) SURR5,2-FLUOROBIPHENYL	6.817	172	215100	34.53	ppm	0.00
Spiked Amount 50.000	Range 31 - 118		Recovery = 69.06%			
88) SURR3,2,4,6-TRIBROMOPH...	8.248	330	92054	78.58	ppm	0.00
Spiked Amount 100.000	Range 35 - 141		Recovery = 78.58%			
124) SURR6,TERPHENYL-D14	10.593	244	261374	38.01	ppm	0.00
Spiked Amount 50.000	Range 10 - 165		Recovery = 76.02%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\071219\
Data File : DS889.D
Acq On : 12 Jul 2019 3:41 pm
Operator : JMisiurewicz
Sample : R1905417-004
Misc : 339699 8270D RE
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 15 10:02:01 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jul 05 09:32:54 2019
Response via : Initial Calibration



1st DM 06/24/19
2nd MP 06/24/19

Data Path : I:\ACQUDATA\5973A\DATA\061919\
Data File : DS542.D
Acq On : 19 Jun 2019 11:33 pm
Operator : JMisiurewicz
Sample : R1905417-004|20
Misc : 338744 8270D
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 24 09:16:07 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Jun 24 09:14:09 2019
Response via : Initial Calibration

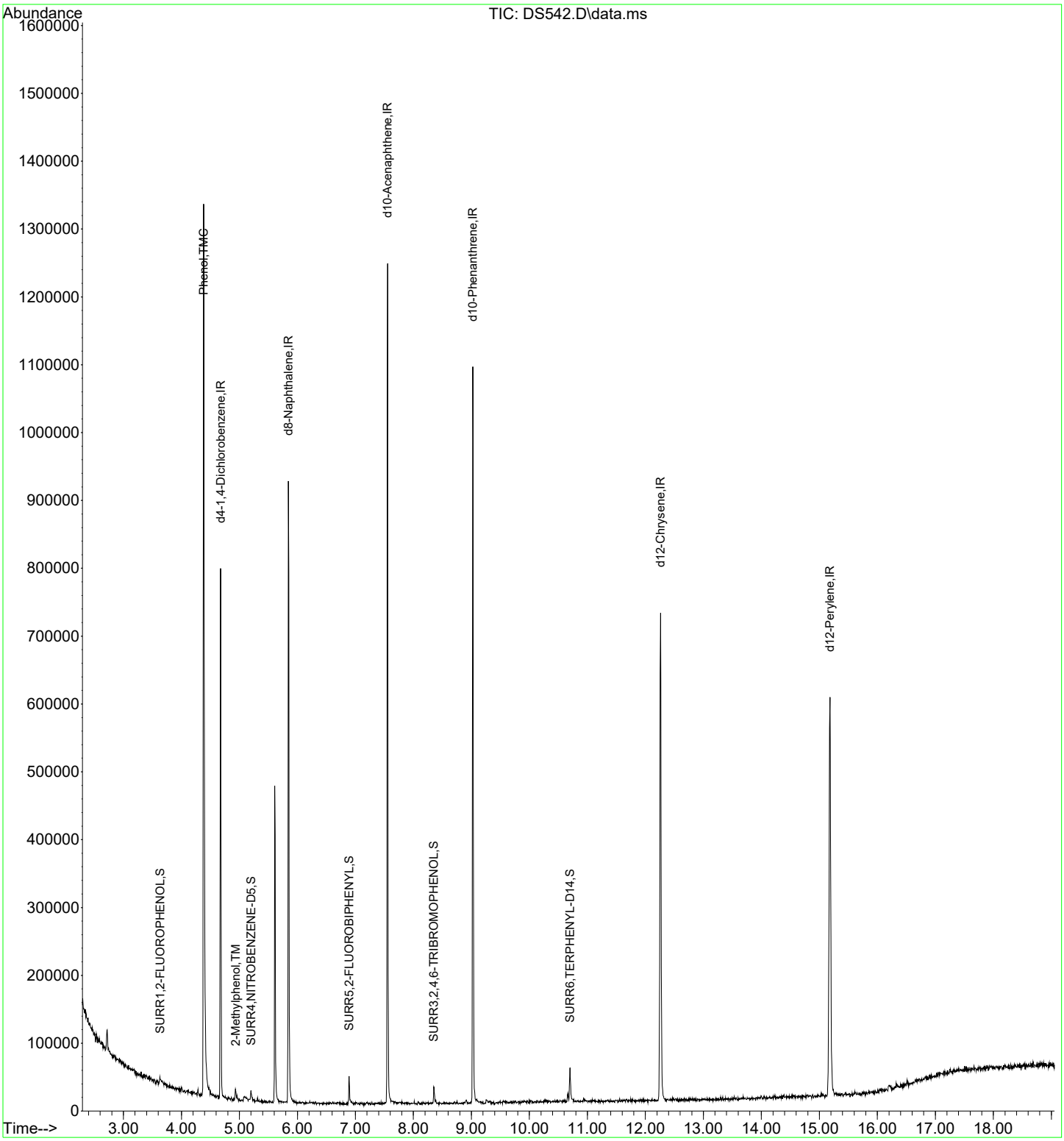
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.676	152	122236	40.00	ppm	0.00
33) d8-Naphthalene	5.846	136	455995	40.00	ppm	0.00
57) d10-Acenaphthene	7.555	164	241130	40.00	ppm	0.00
91) d10-Phenanthrene	9.023	188	401703	40.00	ppm	0.00
117) d12-Chrysene	12.260	240	361567	40.00	ppm	0.00
135) d12-Perylene	15.182	264	383911	40.00	ppm	0.00
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.634	112	4686	1.05	ppm	0.03
Spiked Amount 100.000	Range 10 - 70		Recovery =	1.05%#		
12) SURR2,PHENOL-D6	4.371	99	4668	0.85	ppm	0.00
Spiked Amount 100.000	Range 10 - 107		Recovery =	0.85%#		
34) SURR4,NITROBENZENE-D5	5.199	82	6662	1.44	ppm	0.01
Spiked Amount 50.000	Range 31 - 110		Recovery =	2.88%#		
63) SURR5,2-FLUOROBIPHENYL	6.892	172	13244	1.44	ppm	0.00
Spiked Amount 50.000	Range 31 - 118		Recovery =	2.88%#		
88) SURR3,2,4,6-TRIBROMOPH...	8.350	330	3618	3.66	ppm	0.00
Spiked Amount 100.000	Range 35 - 141		Recovery =	3.66%#		
124) SURR6,TERPHENYL-D14	10.701	244	11696	1.37	ppm	0.00
Spiked Amount 50.000	Range 10 - 165		Recovery =	2.74%#		
Target Compounds						Qvalue
13) Phenol	4.382	94	617551	103.375	ppm	97
23) 2-Methylphenol	4.938	108	4533	1.077	ppm	85

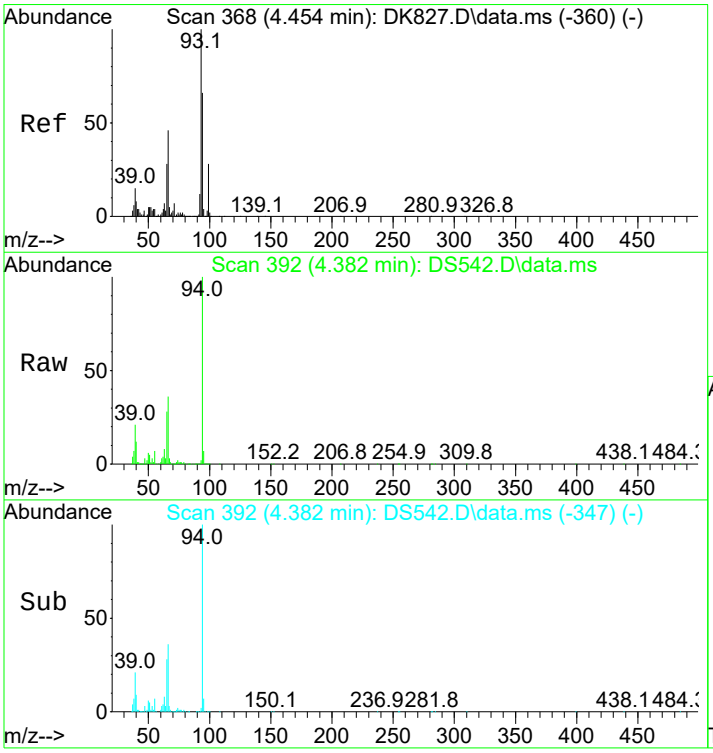
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\061919\
Data File : DS542.D
Acq On : 19 Jun 2019 11:33 pm
Operator : JMisiurewicz
Sample : R1905417-004|20
Misc : 338744 8270D
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 24 09:16:07 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Jun 24 09:14:09 2019
Response via : Initial Calibration

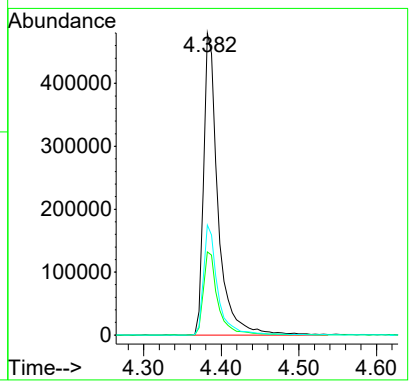


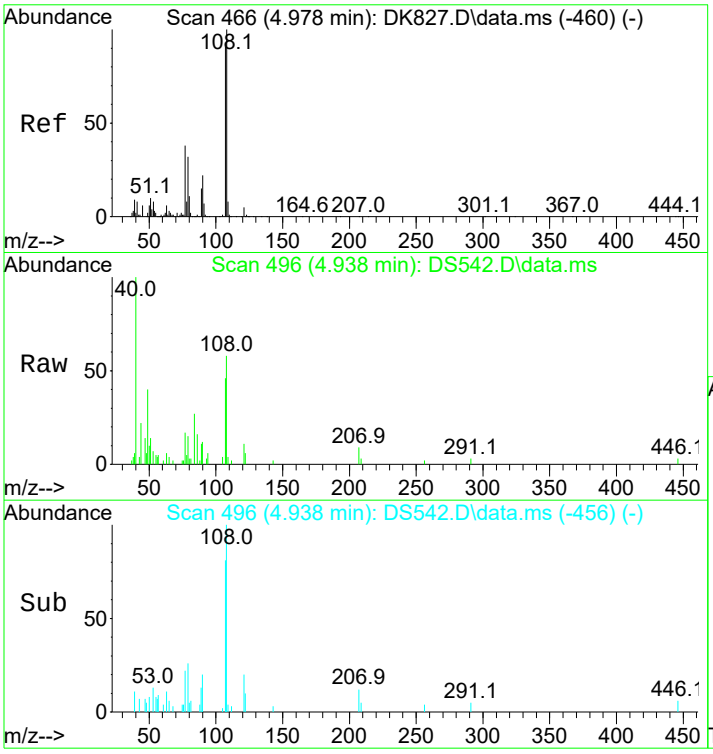


#13
Phenol
Concen: 103.38 ppm
RT: 4.382 min Scan# 392
Delta R.T. -0.008 min
Lab File: DS542.D
Acq: 19 Jun 2019 11:33 pm

Tgt Ion: 94 Resp: 617551

Ion	Ratio	Lower	Upper
94	100		
65	27.5	0.0	57.1
66	36.5	4.1	64.1

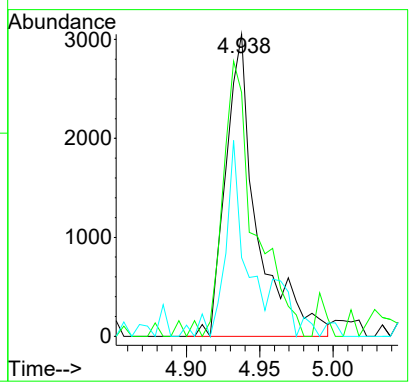




#23
2-Methylphenol
Concen: 1.08 ppm
RT: 4.938 min Scan# 496
Delta R.T. 0.013 min
Lab File: DS542.D
Acq: 19 Jun 2019 11:33 pm

Tgt Ion:108 Resp: 4533

Ion	Ratio	Lower	Upper
108	100		
107	79.2	55.9	115.9
79	22.4	12.4	72.4



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\071219\
Data File : DS890.D
Acq On : 12 Jul 2019 4:09 pm
Operator : JMisiurewicz
Sample : R1905417-005
Misc : 339699 8270D RE
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 15 10:02:06 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jul 05 09:32:54 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.611	152	90817	40.00	ppm	-0.01
33) d8-Naphthalene	5.770	136	335092	40.00	ppm	-0.01
57) d10-Acenaphthene	7.474	164	176391	40.00	ppm	0.00
91) d10-Phenanthrene	8.932	188	289458	40.00	ppm	-0.01
117) d12-Chrysene	12.084	240	292627	40.00	ppm	-0.01
135) d12-Perylene	14.893	264	320720	40.00	ppm	-0.01
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.554	112	112854	35.77	ppm	0.00
Spiked Amount 100.000	Range 10 - 70		Recovery = 35.77%			
12) SURR2,PHENOL-D6	4.280	99	96318	24.88	ppm	0.00
Spiked Amount 100.000	Range 10 - 107		Recovery = 24.88%			
34) SURR4,NITROBENZENE-D5	5.098	82	117285	30.89	ppm	-0.01
Spiked Amount 50.000	Range 31 - 110		Recovery = 61.78%			
63) SURR5,2-FLUOROBIPHENYL	6.812	172	221651	35.33	ppm	-0.01
Spiked Amount 50.000	Range 31 - 118		Recovery = 70.66%			
88) SURR3,2,4,6-TRIBROMOPH...	8.249	330	90630	76.83	ppm	0.00
Spiked Amount 100.000	Range 35 - 141		Recovery = 76.83%			
124) SURR6,TERPHENYL-D14	10.593	244	274801	42.92	ppm	0.00
Spiked Amount 50.000	Range 10 - 165		Recovery = 85.84%			

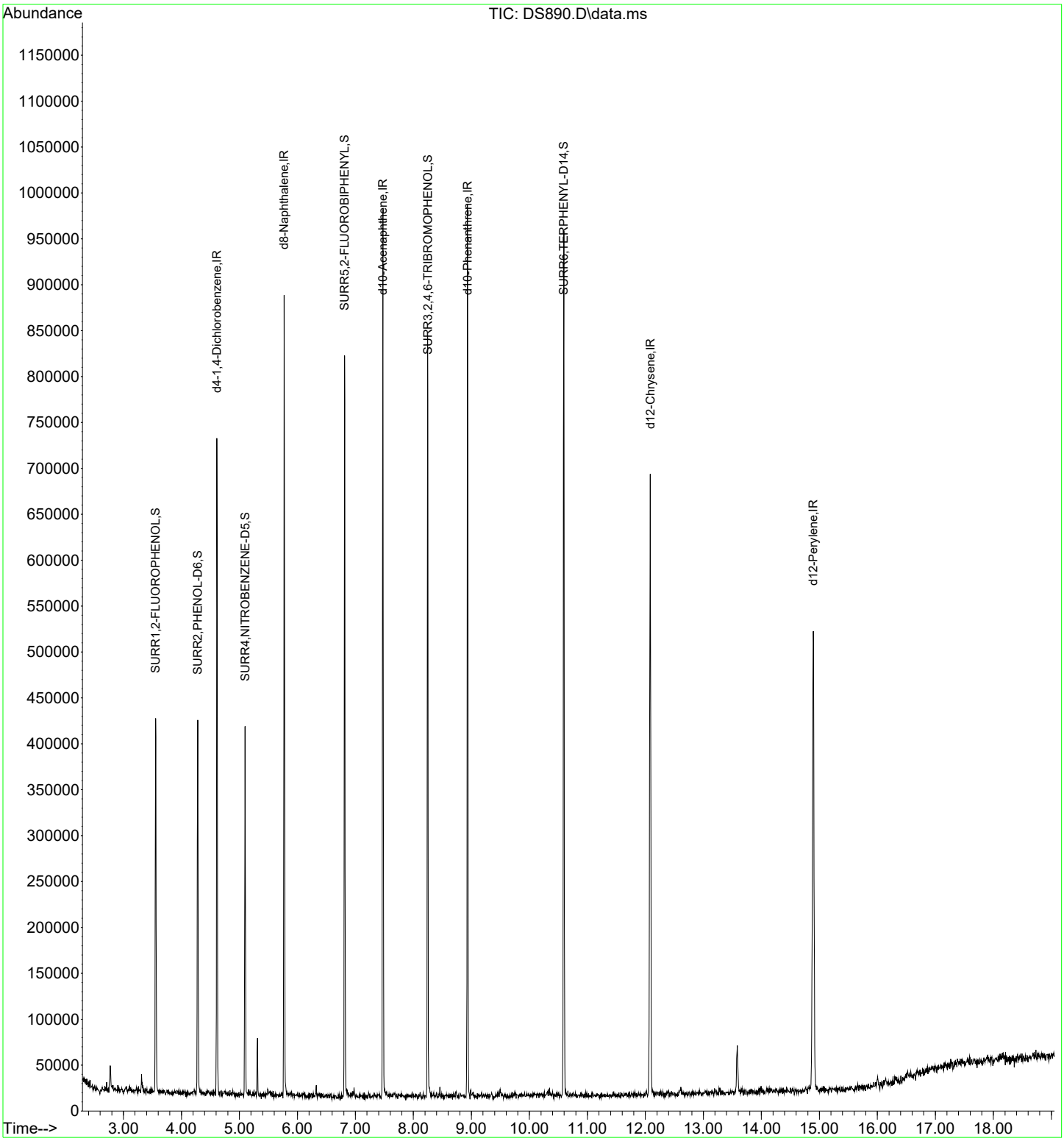
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st DM 07/15/19
2nd BA 07/15/19

Data Path : I:\ACQUDATA\5973A\DATA\071219\
Data File : DS890.D
Acq On : 12 Jul 2019 4:09 pm
Operator : JMisiurewicz
Sample : R1905417-005
Misc : 339699 8270D RE
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 15 10:02:06 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jul 05 09:32:54 2019
Response via : Initial Calibration



1st JM 06/24/19
2nd MP 06/24/19

Data Path : I:\ACQUDATA\5973A\DATA\061919\
Data File : DS543.D
Acq On : 20 Jun 2019 12:02 am
Operator : JMisiurewicz
Sample : R1905417-005|5.0
Misc : 338744 8270D
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 24 09:16:12 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Jun 24 09:14:09 2019
Response via : Initial Calibration

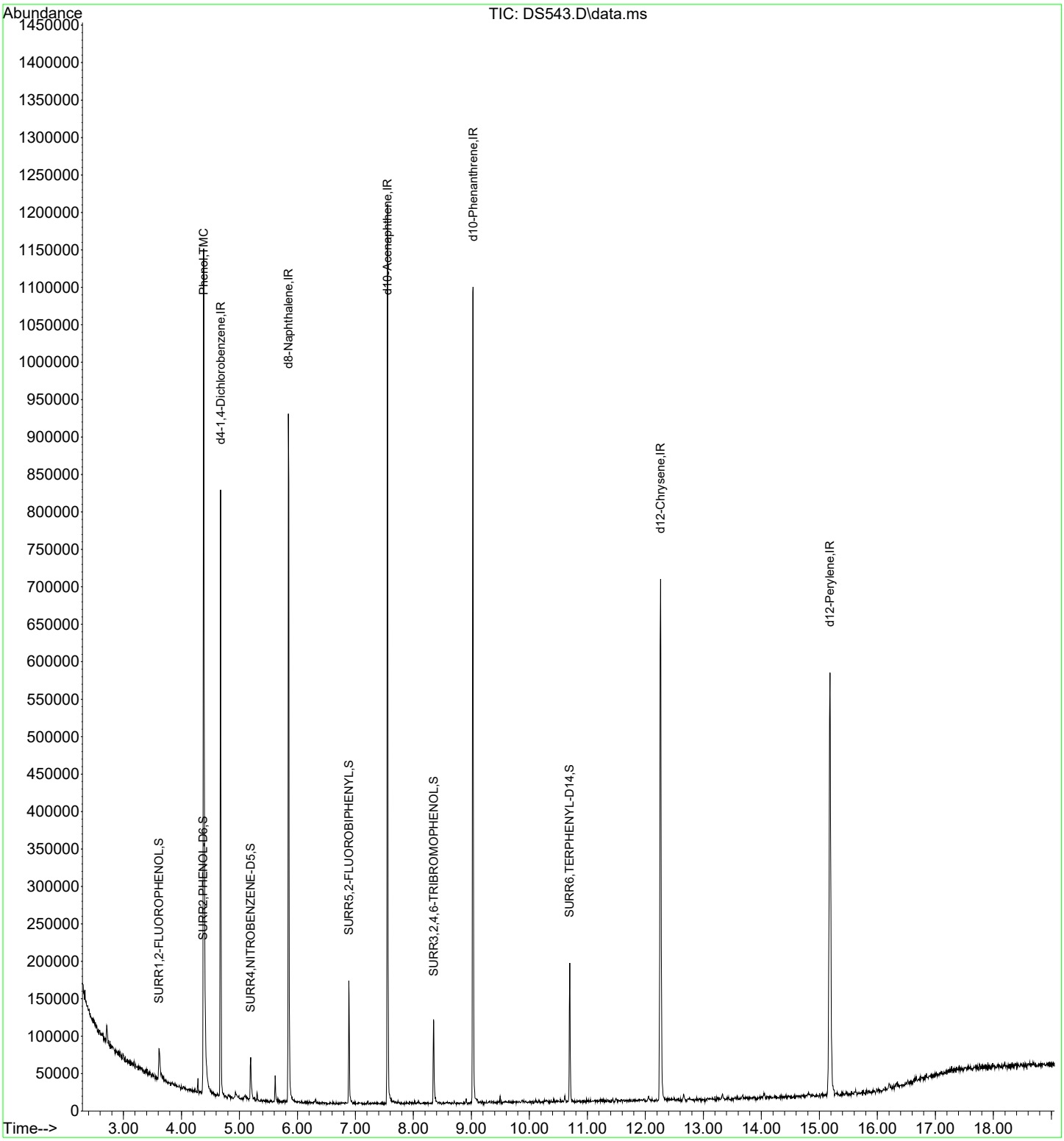
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.676	152	123809	40.00	ppm	0.00
33) d8-Naphthalene	5.846	136	465026	40.00	ppm	0.00
57) d10-Acenaphthene	7.555	164	239489	40.00	ppm	0.00
91) d10-Phenanthrene	9.029	188	411361	40.00	ppm	0.00
117) d12-Chrysene	12.260	240	359973	40.00	ppm	0.00
135) d12-Perylene	15.182	264	374053	40.00	ppm	0.00
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.613	112	25088	5.57	ppm	0.01
Spiked Amount 100.000	Range 10 - 70		Recovery = 5.57%#			
12) SURR2,PHENOL-D6	4.371	99	21110	3.82	ppm	0.00
Spiked Amount 100.000	Range 10 - 107		Recovery = 3.82%#			
34) SURR4,NITROBENZENE-D5	5.194	82	27135	5.75	ppm	0.00
Spiked Amount 50.000	Range 31 - 110		Recovery = 11.50%#			
63) SURR5,2-FLUOROBIPHENYL	6.887	172	53206	5.84	ppm	0.00
Spiked Amount 50.000	Range 31 - 118		Recovery = 11.68%#			
88) SURR3,2,4,6-TRIBROMOPH...	8.351	330	16056	16.37	ppm	0.00
Spiked Amount 100.000	Range 35 - 141		Recovery = 16.37%#			
124) SURR6,TERPHENYL-D14	10.695	244	60453	7.13	ppm	0.00
Spiked Amount 50.000	Range 10 - 165		Recovery = 14.26%			
Target Compounds						Qvalue
13) Phenol	4.382	94	519961	85.933	ppm	96

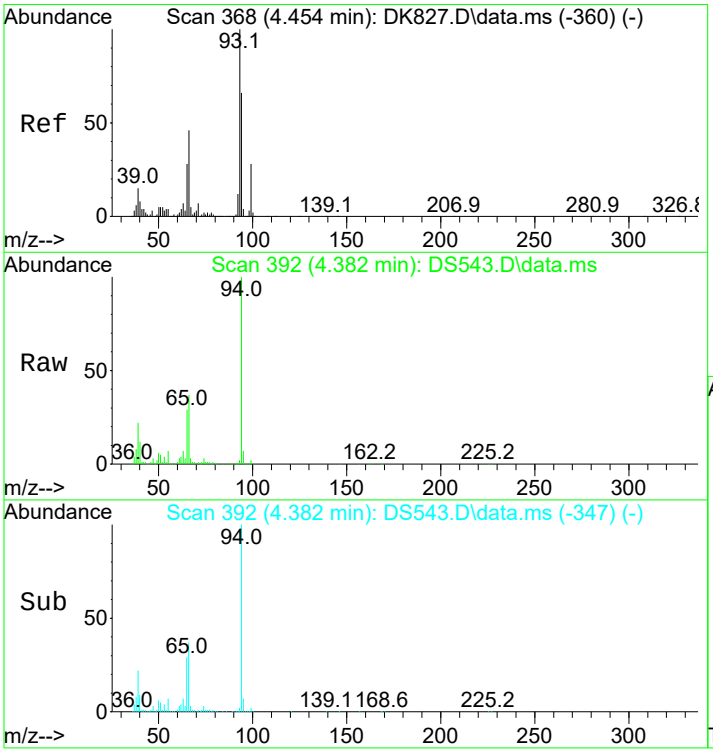
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\061919\
Data File : DS543.D
Acq On : 20 Jun 2019 12:02 am
Operator : JMisiurewicz
Sample : R1905417-005|5.0
Misc : 338744 8270D
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 24 09:16:12 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Jun 24 09:14:09 2019
Response via : Initial Calibration

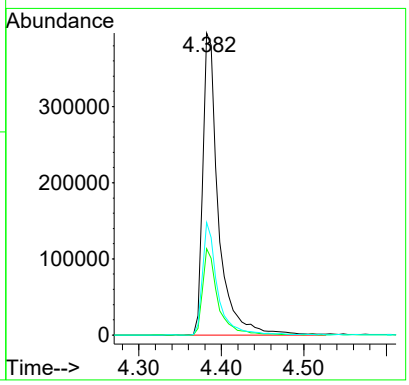




#13
Phenol
Concen: 85.93 ppm
RT: 4.382 min Scan# 392
Delta R.T. -0.008 min
Lab File: DS543.D
Acq: 20 Jun 2019 12:02 am

Tgt Ion: 94 Resp: 519961

Ion	Ratio	Lower	Upper
94	100		
65	28.6	0.0	57.1
66	37.3	4.1	64.1



1st JM 06/19/19
2nd MP 06/19/19

Data Path : I:\ACQUDATA\5973A\DATA\061819\
Data File : DS487.D
Acq On : 18 Jun 2019 7:22 pm
Operator : JMisiurewicz
Sample : R1905417-006
Misc : 338744 8270D
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 19 11:08:54 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 14 09:13:59 2019
Response via : Initial Calibration

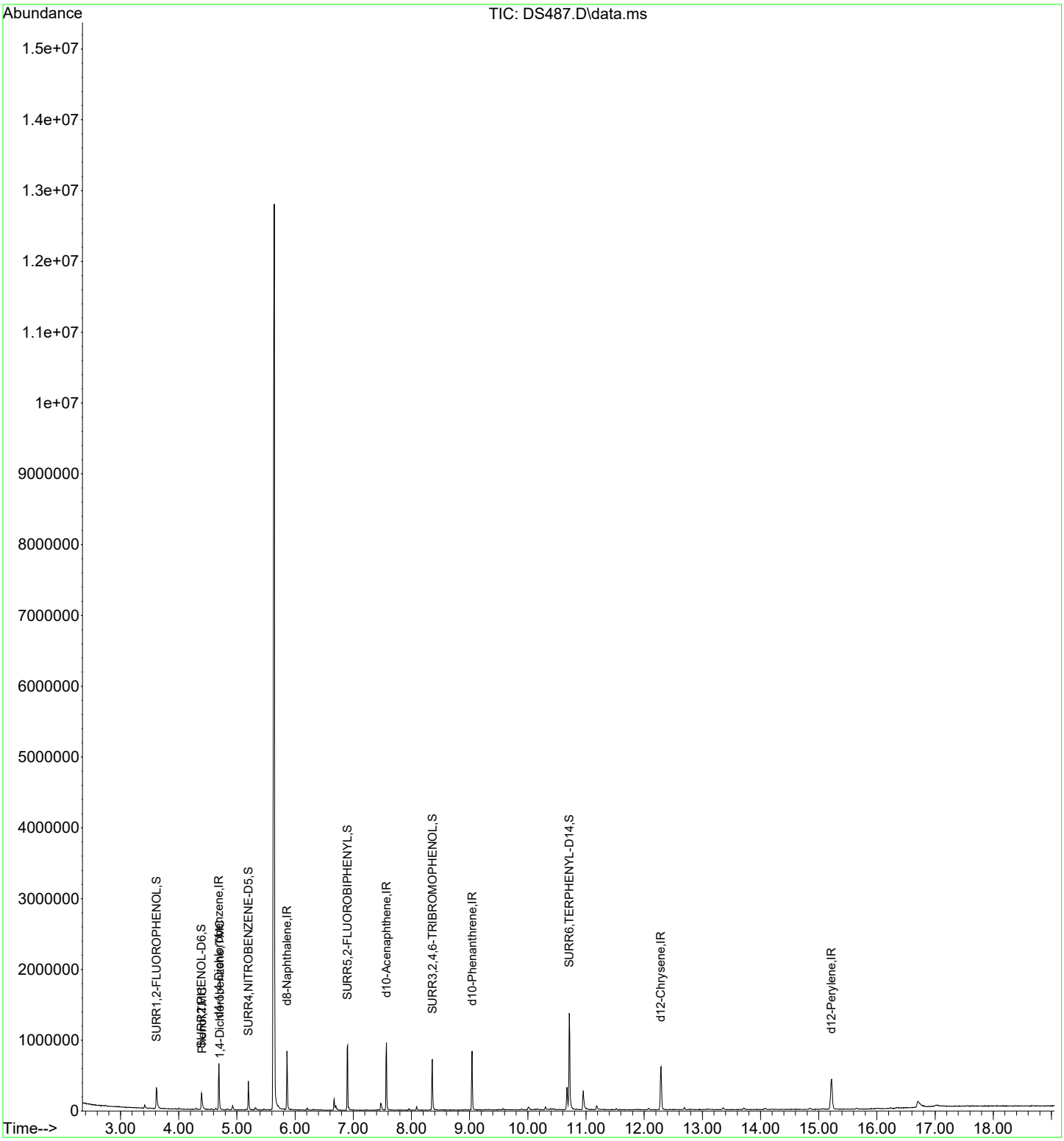
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.690	152	101320	40.00	ppm	-0.04
24) d8-Naphthalene	5.860	136	371992	40.00	ppm	-0.04
42) d10-Acenaphthene	7.569	164	188102	40.00	ppm	-0.04
69) d10-Phenanthrene	9.043	188	309305	40.00	ppm	-0.04
82) d12-Chrysene	12.285	240	295868	40.00	ppm	-0.07
91) d12-Perylene	15.217	264	290519	40.00	ppm	-0.08
System Monitoring Compounds						
4) SURR1,2-FLUOROPHENOL	3.617	112	134909	36.61	ppm	-0.05
Spiked Amount 100.000	Range 10 - 70		Recovery = 36.61%			
8) SURR2,PHENOL-D6	4.391	99	112741	24.90	ppm	-0.04
Spiked Amount 100.000	Range 10 - 107		Recovery = 24.90%			
25) SURR4,NITROBENZENE-D5	5.198	82	143858	38.11	ppm	-0.04
Spiked Amount 50.000	Range 31 - 110		Recovery = 76.22%			
48) SURR5,2-FLUOROBIPHENYL	6.901	172	286647	40.08	ppm	-0.04
Spiked Amount 50.000	Range 31 - 118		Recovery = 80.16%			
67) SURR3,2,4,6-TRIBROMOPH...	8.360	330	92746	120.41	ppm	-0.04
Spiked Amount 100.000	Range 35 - 141		Recovery = 120.41%			
85) SURR6,TERPHENYL-D14	10.715	244	278698	39.99	ppm	-0.05
Spiked Amount 50.000	Range 10 - 165		Recovery = 79.98%			
Target Compounds						Qvalue
9) Phenol	4.402	94	12011	2.426	ppm	80
13) 1,4-Dichlorobenzene	4.706	146	9543	2.304	ppm	87

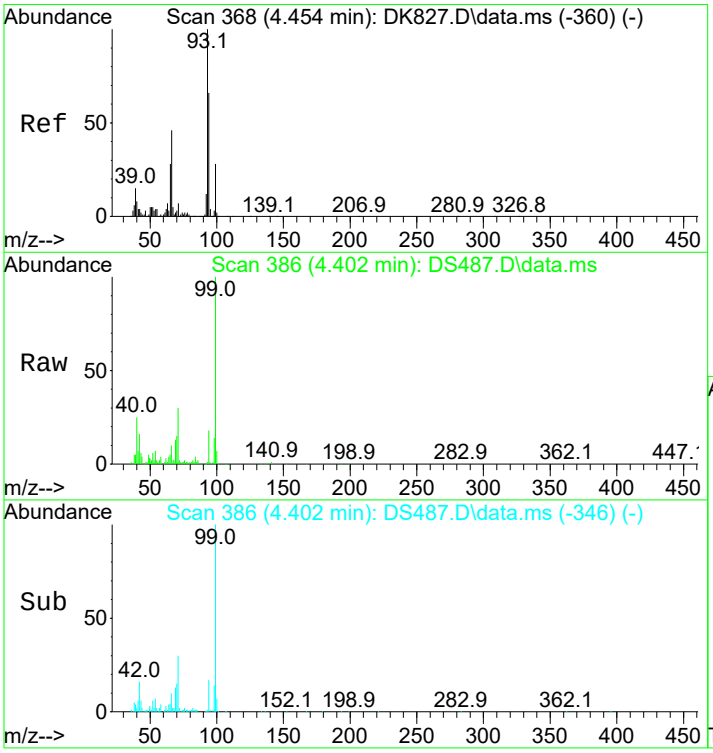
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\061819\
Data File : DS487.D
Acq On : 18 Jun 2019 7:22 pm
Operator : JMisiurewicz
Sample : R1905417-006
Misc : 338744 8270D
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 19 11:08:54 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 14 09:13:59 2019
Response via : Initial Calibration

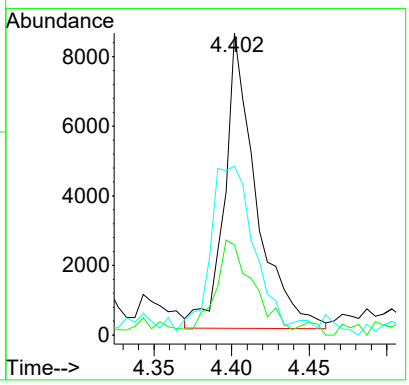


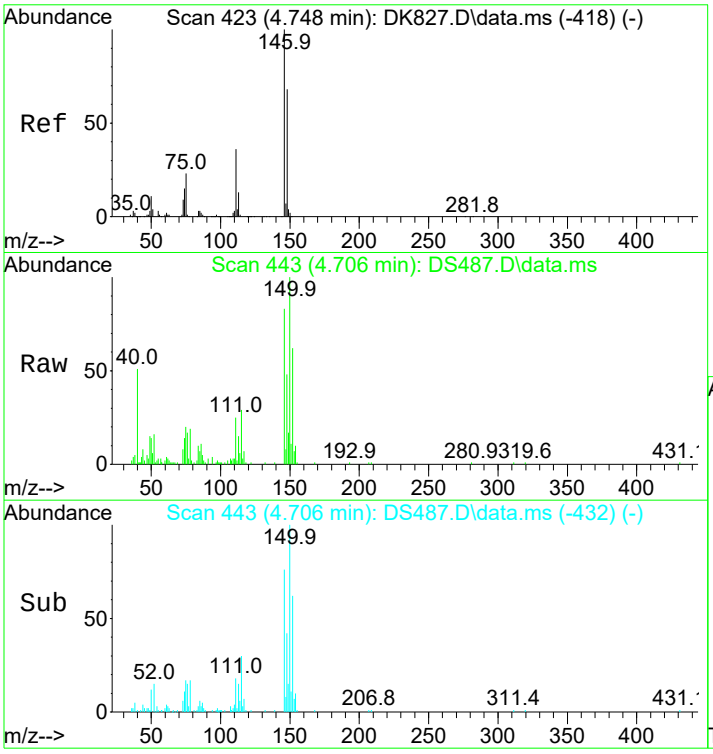


#9
Phenol
Concen: 2.43 ppm
RT: 4.402 min Scan# 386
Delta R.T. -0.035 min
Lab File: DS487.D
Acq: 18 Jun 2019 7:22 pm

Tgt Ion: 94 Resp: 12011

Ion	Ratio	Lower	Upper
94	100		
65	30.2	0.0	57.1
66	52.4	4.1	64.1

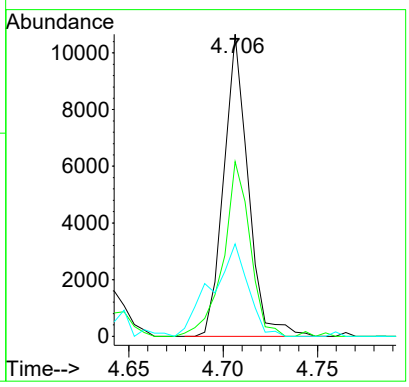




#13
1,4-Dichlorobenzene
Concen: 2.30 ppm
RT: 4.706 min Scan# 443
Delta R.T. -0.042 min
Lab File: DS487.D
Acq: 18 Jun 2019 7:22 pm

Tgt Ion:146 Resp: 9543

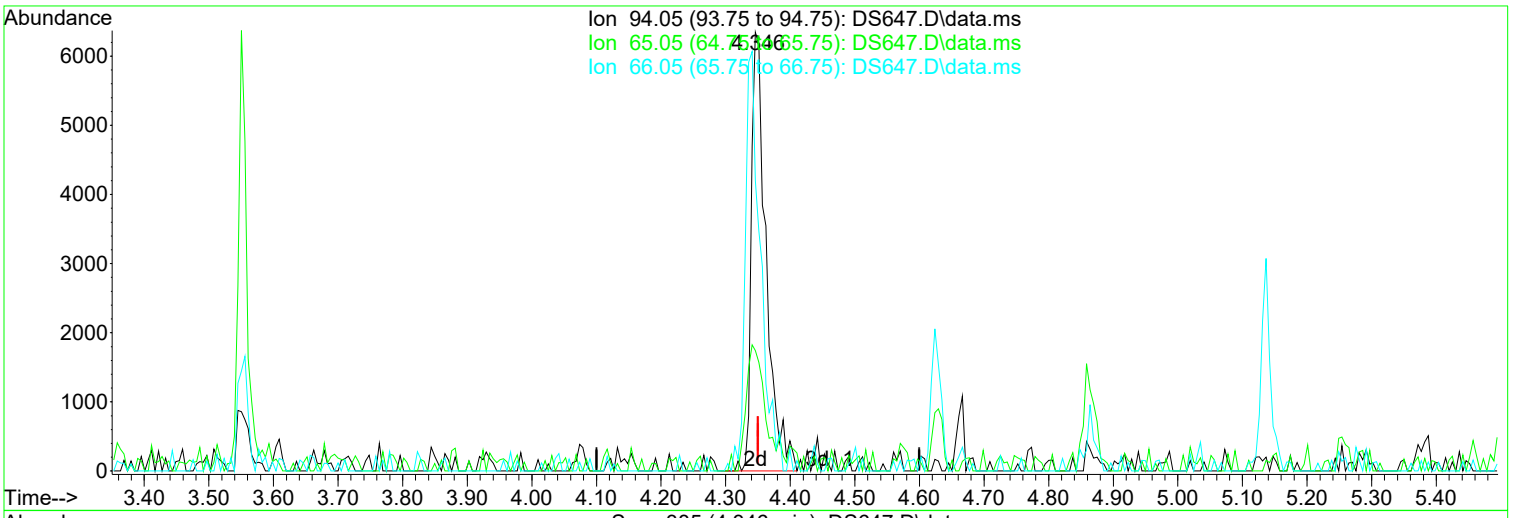
Ion	Ratio	Lower	Upper
146	100		
148	56.7	46.1	86.1
111	29.2	19.3	59.3

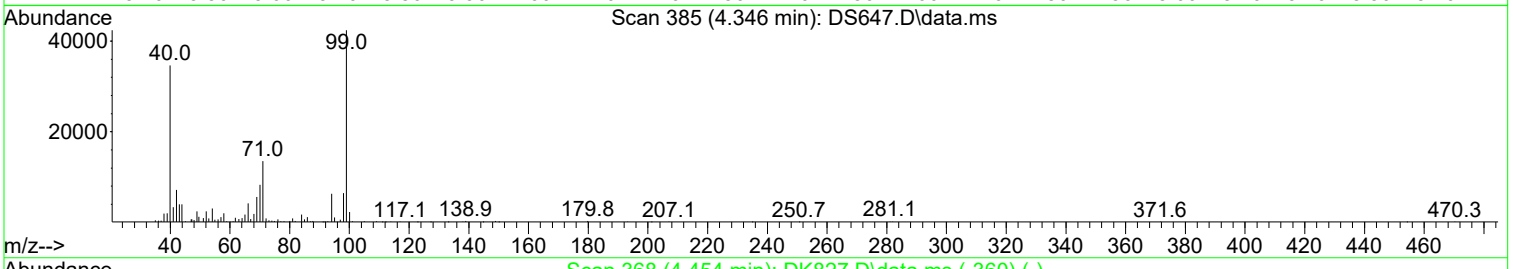


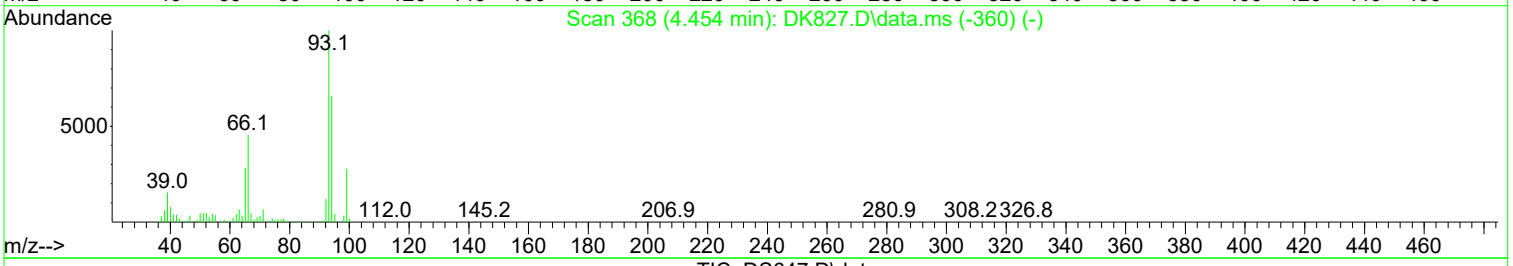
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\062419\
Data File : DS647.D
Acq On : 24 Jun 2019 7:55 pm
Operator : JMisiurewicz
Sample : R1905417-006
Misc : 339142 8270D RE
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 26 10:42:50 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jun 26 10:42:04 2019
Response via : Initial Calibration







TIC: DS647.D\data.ms

(13) Phenol (TMC)

4.346min (-0.004) 1.99 ppm m

response 10186

Ion	Exp%	Act%
94.05	100.00	100.00
65.05	27.10	27.46
66.05	34.10	66.13#
0.00	0.00	0.00

Manual Integration:

After

Peak not found.

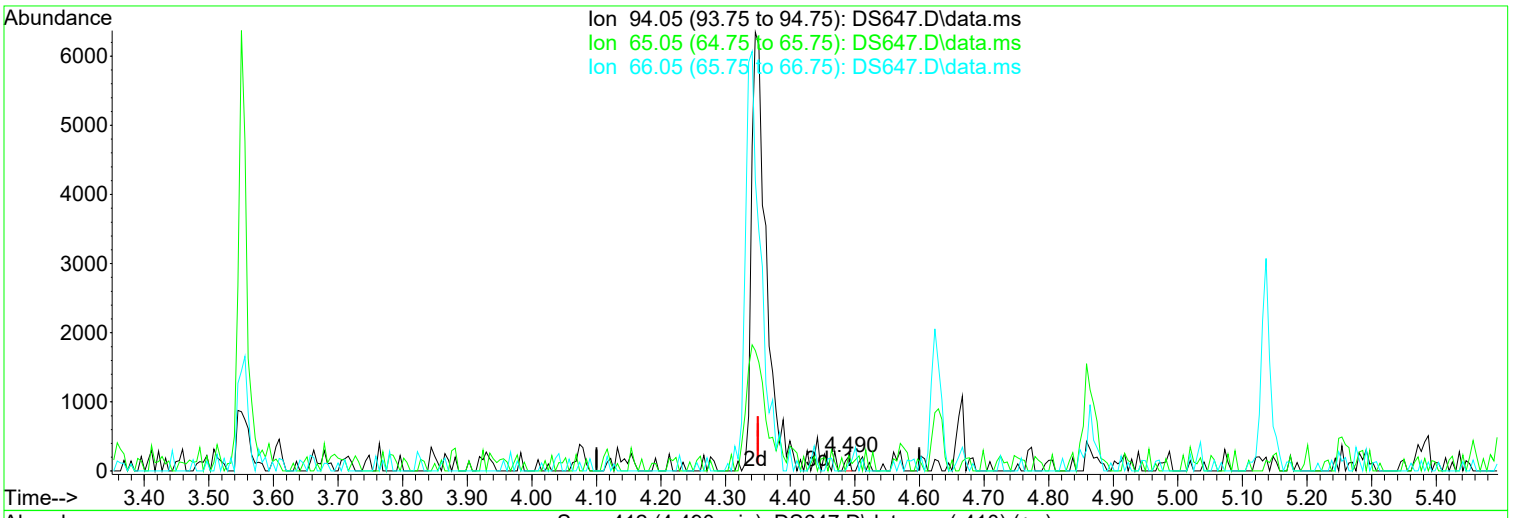
06/26/19

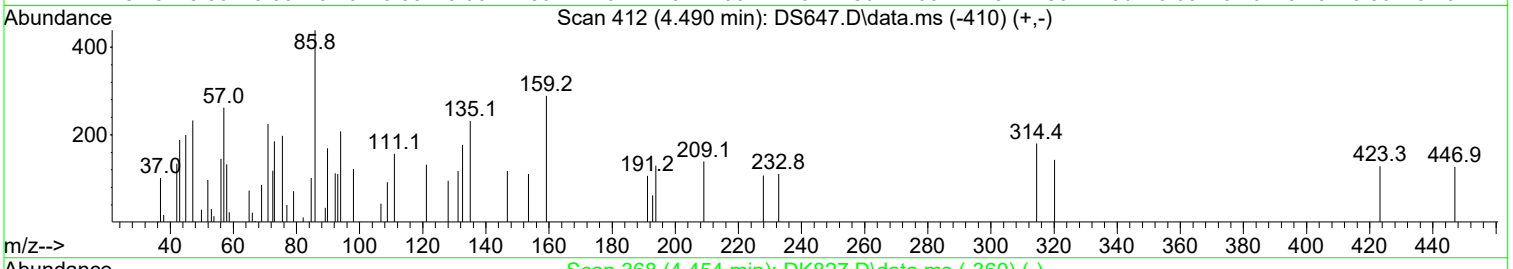
1st DM 06/26/19
2nd BA 06/26/19

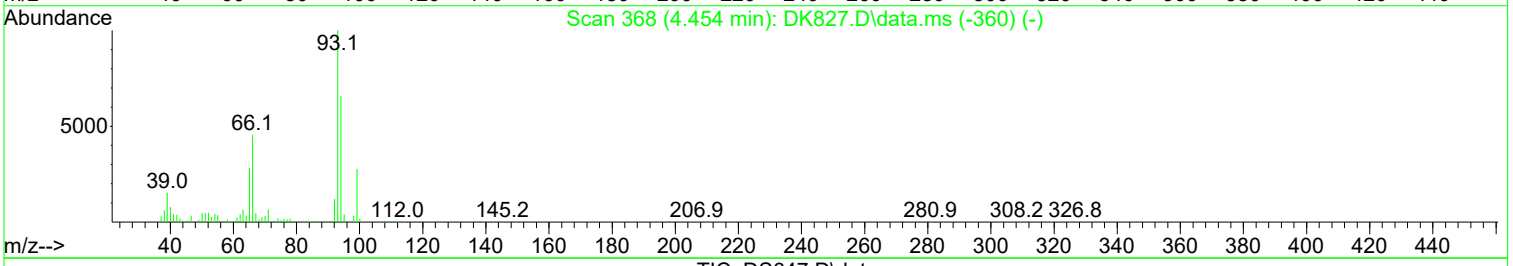
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\062419\
Data File : DS647.D
Acq On : 24 Jun 2019 7:55 pm
Operator : JMisiurewicz
Sample : R1905417-006
Misc : 339142 8270D RE
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 26 10:42:50 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jun 26 10:42:04 2019
Response via : Initial Calibration







TIC: DS647.D\data.ms

(13) Phenol (TMC)

4.490min (+ 0.140) 0.02 ppm

response 111

Ion	Exp%	Act%
94.05	100.00	100.00
65.05	27.10	35.10
66.05	34.10	10.58
0.00	0.00	0.00

Manual Integration:

Before

06/26/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\062419\
Data File : DS647.D
Acq On : 24 Jun 2019 7:55 pm
Operator : JMisiurewicz
Sample : R1905417-006
Misc : 339142 8270D RE
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 26 10:42:50 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jun 26 10:42:04 2019
Response via : Initial Calibration

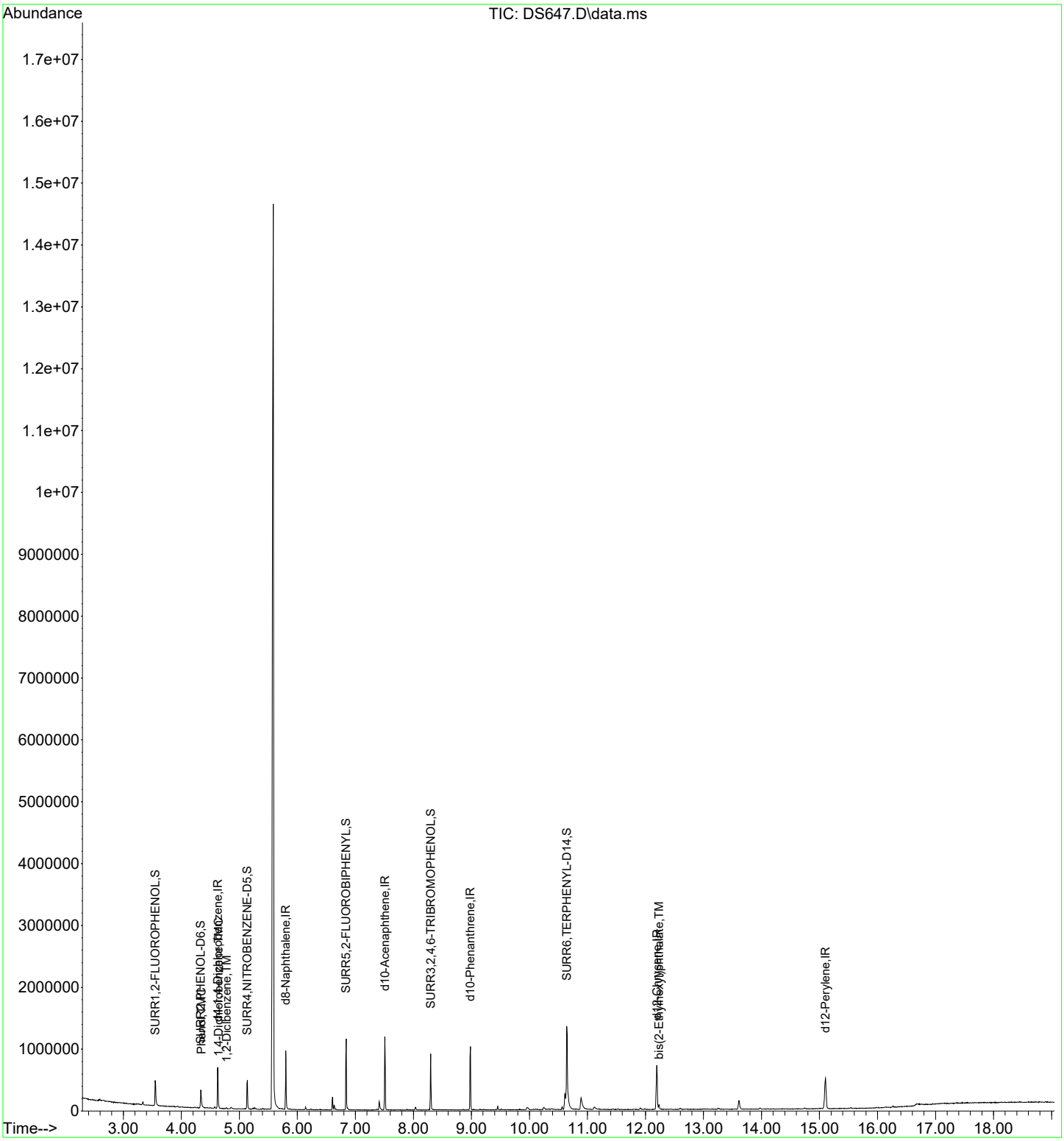
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.629	152	104828	40.00	ppm	0.00
33) d8-Naphthalene	5.799	136	393634	40.00	ppm	0.00
57) d10-Acenaphthene	7.508	164	205853	40.00	ppm	0.00
91) d10-Phenanthrene	8.982	188	329619	40.00	ppm	0.00
117) d12-Chrysene	12.197	240	317408	40.00	ppm	-0.01
135) d12-Perylene	15.103	264	310552	40.00	ppm	-0.01
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.550	112	139330	36.54	ppm	0.00
Spiked Amount 100.000	Range 10 - 70		Recovery = 36.54%			
12) SURR2,PHENOL-D6	4.335	99	109049	23.28	ppm	0.00
Spiked Amount 100.000	Range 10 - 107		Recovery = 23.28%			
34) SURR4,NITROBENZENE-D5	5.137	82	151441	37.91	ppm	0.00
Spiked Amount 50.000	Range 31 - 110		Recovery = 75.82%			
63) SURR5,2-FLUOROBIPHENYL	6.840	172	307376	39.27	ppm	0.00
Spiked Amount 50.000	Range 31 - 118		Recovery = 78.54%			
88) SURR3,2,4,6-TRIBROMOPH...	8.299	330	100191	118.86	ppm	0.00
Spiked Amount 100.000	Range 35 - 141		Recovery = 118.86%			
124) SURR6,TERPHENYL-D14	10.643	244	320967	42.93	ppm	0.00
Spiked Amount 50.000	Range 10 - 165		Recovery = 85.86%			
Target Compounds						Qvalue
13) Phenol	4.346	94	10186m	1.988	ppm	
18) 1,4-Dichlorobenzene	4.640	146	9058	2.113	ppm	90
19) 1,2-Diclbenzene	4.779	146	4374	1.068	ppm	93
134) bis(2-Ethylhexyl)phtha...	12.235	149	28000	3.147	ppm	88

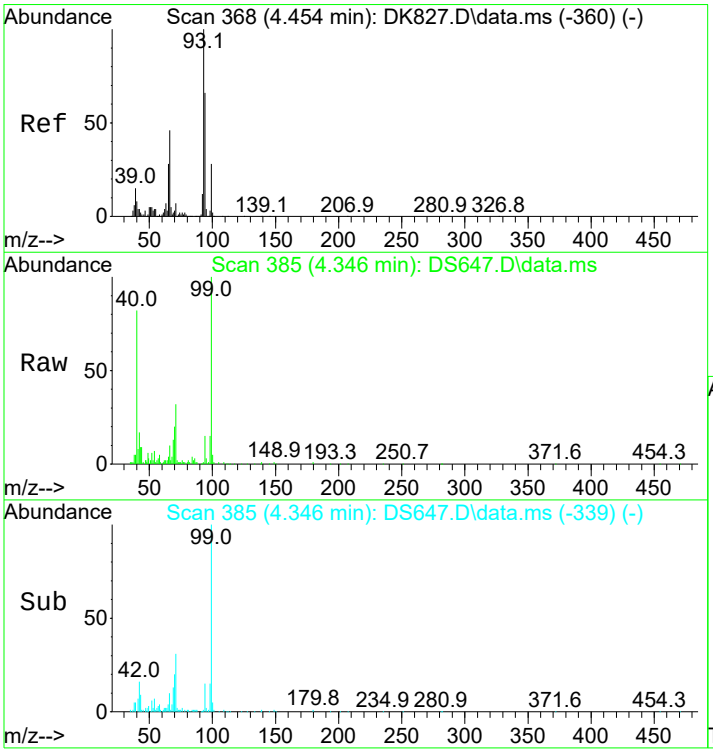
(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st DM 06/26/19
2nd BA 06/26/19

Data Path : I:\ACQUDATA\5973A\DATA\062419\
Data File : DS647.D
Acq On : 24 Jun 2019 7:55 pm
Operator : JMisiurewicz
Sample : R1905417-006
Misc : 339142 8270D RE
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 26 10:42:50 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jun 26 10:42:04 2019
Response via : Initial Calibration

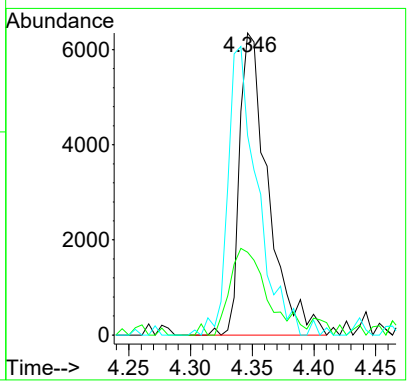


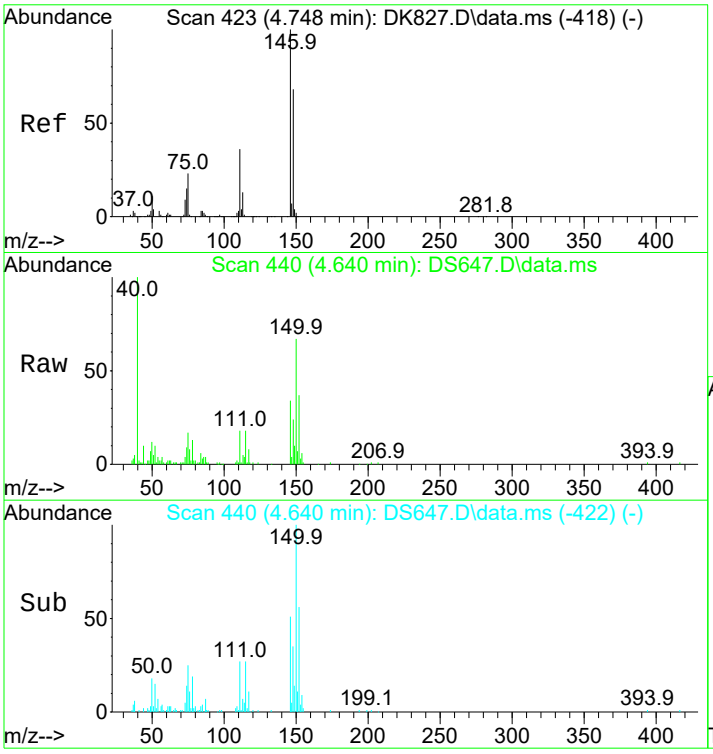


#13
Phenol
Concen: 1.99 ppm m
RT: 4.346 min Scan# 385
Delta R.T. -0.004 min
Lab File: DS647.D
Acq: 24 Jun 2019 7:55 pm

Tgt Ion: 94 Resp: 10186

Ion	Ratio	Lower	Upper
94	100		
65	27.5	0.0	57.1
66	66.1	4.1	64.1#

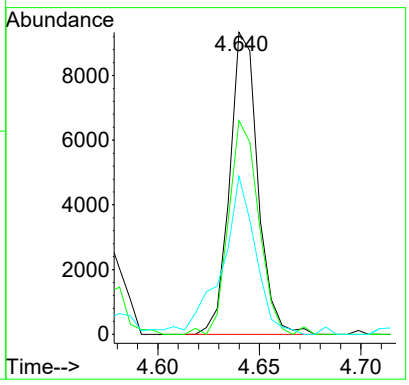




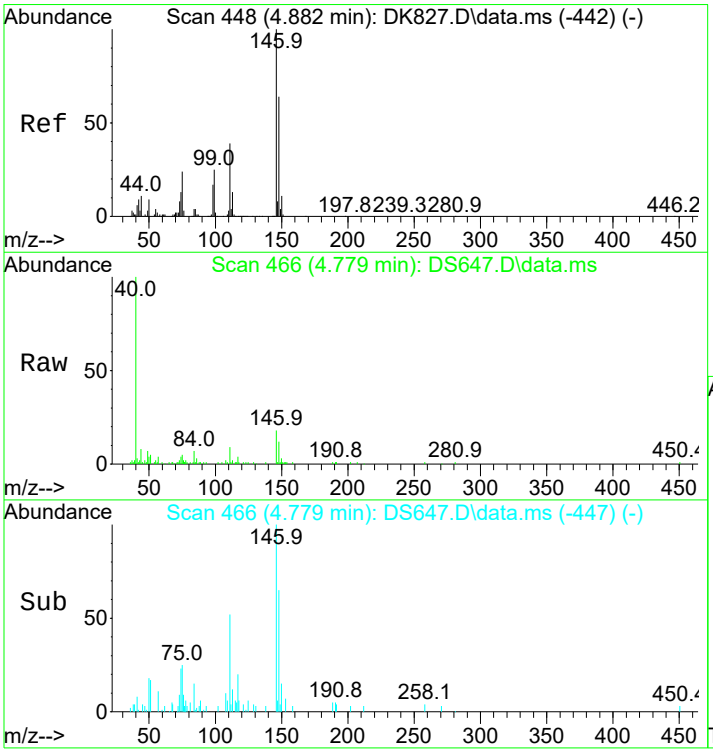
#18
1,4-Dichlorobenzene
Concen: 2.11 ppm
RT: 4.640 min Scan# 440
Delta R.T. -0.004 min
Lab File: DS647.D
Acq: 24 Jun 2019 7:55 pm

Tgt Ion:146 Resp: 9058

Ion	Ratio	Lower	Upper
146	100		
148	70.8	46.1	86.1
111	50.4	19.3	59.3



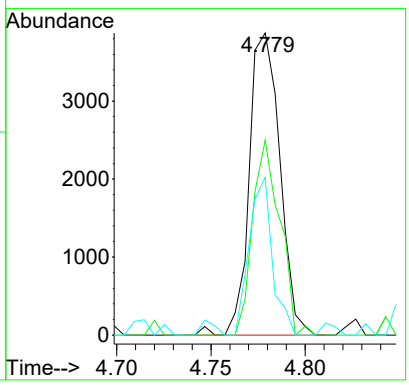
1st DM 06/26/19
2nd BA 06/26/19

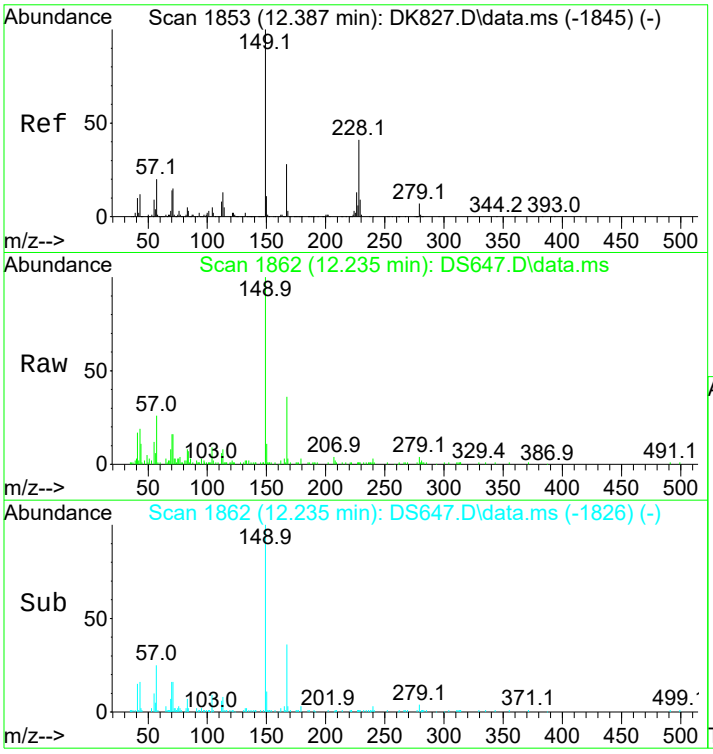


#19
1,2-Diclbenzene
Concen: 1.07 ppm
RT: 4.779 min Scan# 466
Delta R.T. 0.001 min
Lab File: DS647.D
Acq: 24 Jun 2019 7:55 pm

Tgt Ion:146 Resp: 4374

Ion	Ratio	Lower	Upper
146	100		
148	64.5	42.8	82.8
111	50.2	20.7	60.7

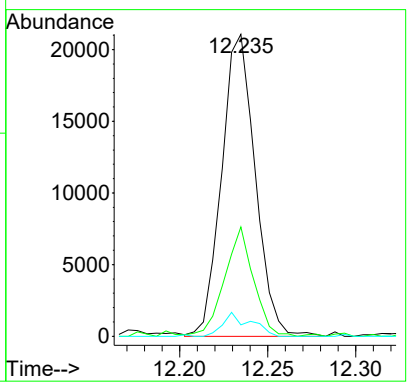




#134
bis(2-Ethylhexyl)phthalate
Concen: 3.15 ppm
RT: 12.235 min Scan# 1862
Delta R.T. -0.009 min
Lab File: DS647.D
Acq: 24 Jun 2019 7:55 pm

Tgt Ion:149 Resp: 28000

Ion	Ratio	Lower	Upper
149	100		
167	36.0	8.9	48.9
279	3.6	0.0	25.9

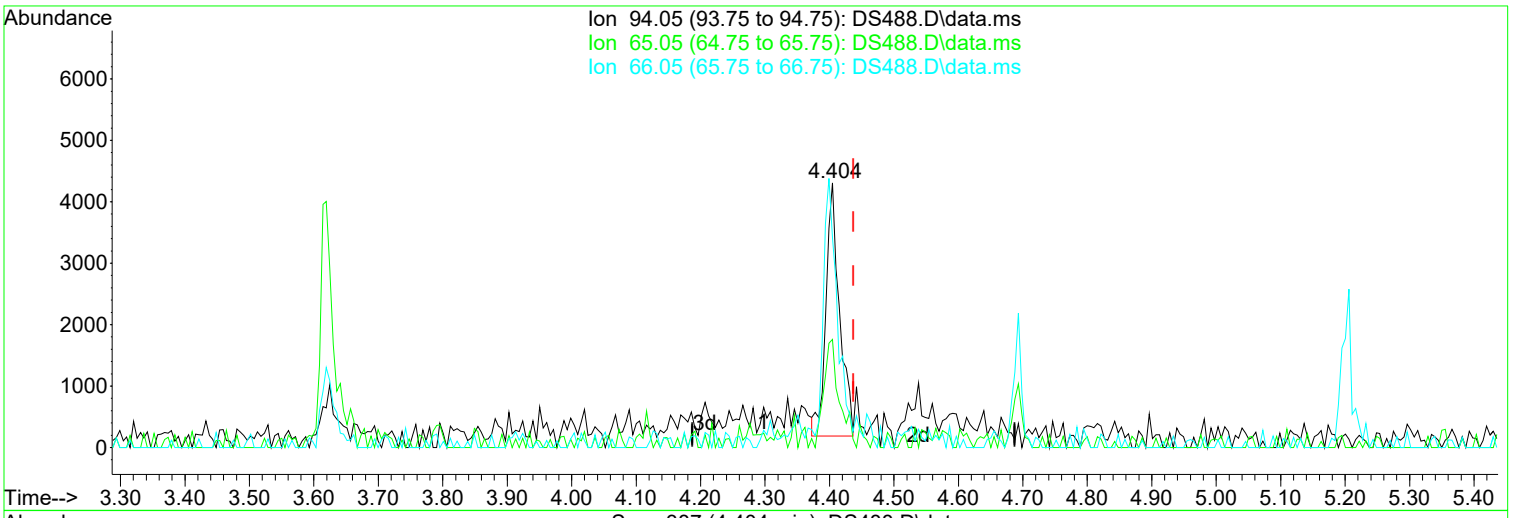


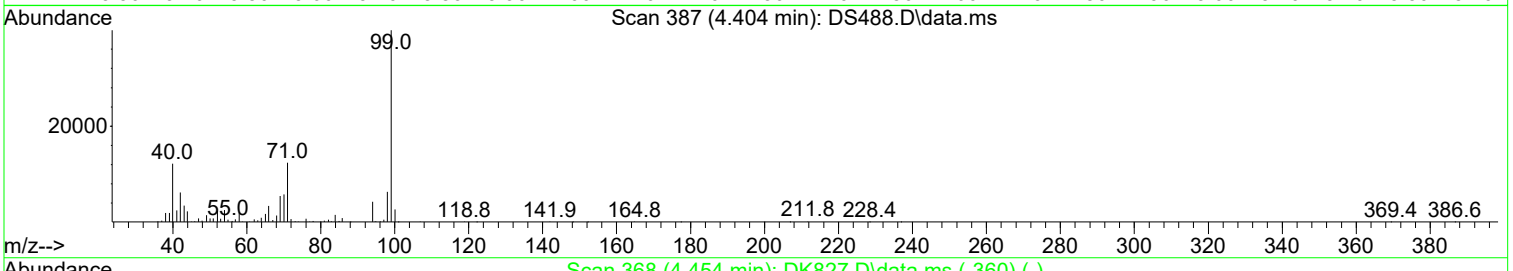
Quantitation Report (Qedit)

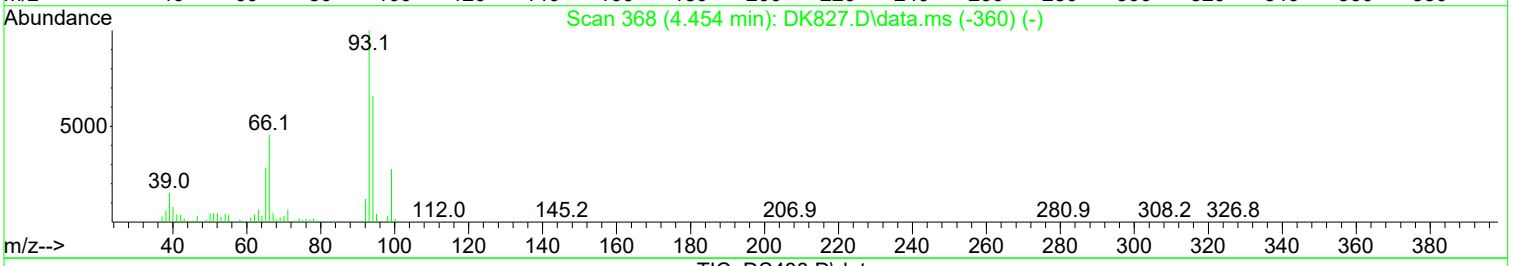
1st 06/19/19
2nd 06/19/19

Data Path : I:\ACQUDATA\5973A\DATA\061819\
Data File : DS488.D
Acq On : 18 Jun 2019 7:51 pm
Operator : JMisiurewicz
Sample : R1905417-007
Misc : 338744 8270D
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 19 11:08:58 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 14 09:13:59 2019
Response via : Initial Calibration







TIC: DS488.D\data.ms

(9) Phenol (TMC)

4.404min (-0.033) 1.26 ppm m

response 6016

Ion	Exp%	Act%
94.05	100.00	100.00
65.05	27.10	40.90
66.05	34.10	79.36#
0.00	0.00	0.00

Manual Integration:

After

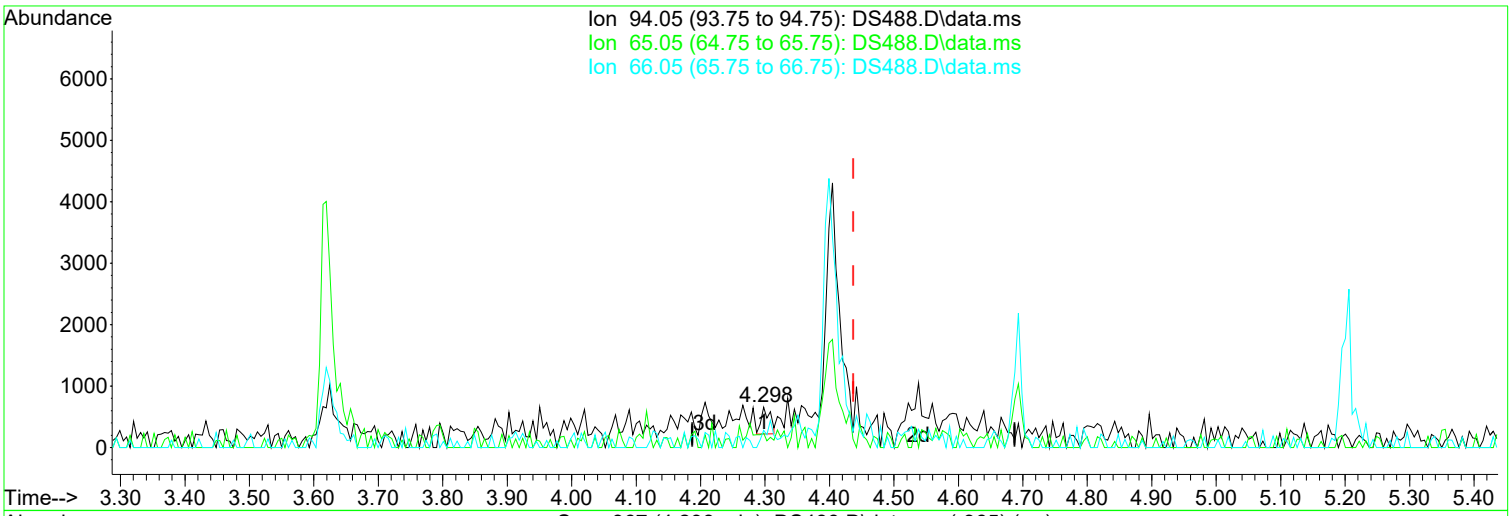
Peak not found.

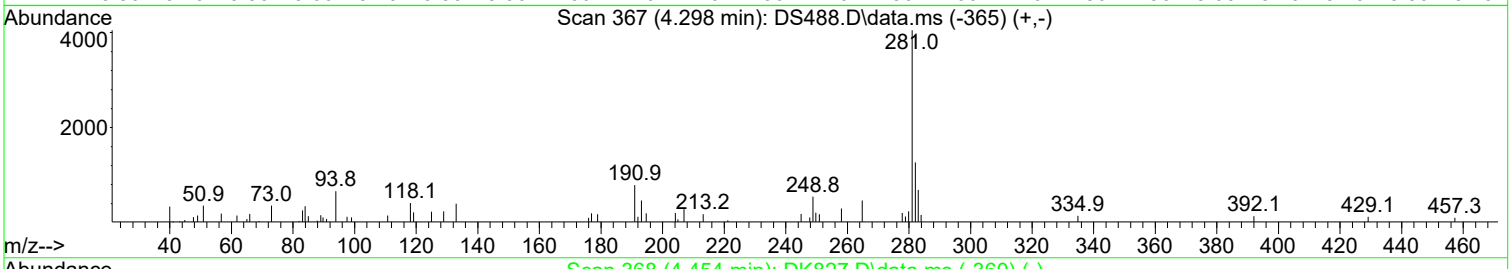
06/19/19

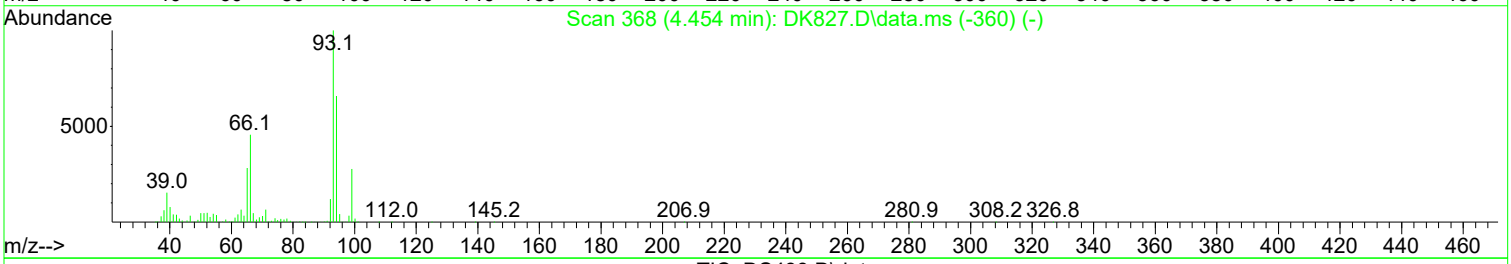
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\061819\
Data File : DS488.D
Acq On : 18 Jun 2019 7:51 pm
Operator : JMisiurewicz
Sample : R1905417-007
Misc : 338744 8270D
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 19 11:08:58 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 14 09:13:59 2019
Response via : Initial Calibration







TIC: DS488.D\data.ms

(9) Phenol (TMC)

4.298min (-0.140) 0.09 ppm

response 419

Ion	Exp%	Act%
94.05	100.00	100.00
65.05	27.10	19.00
66.05	34.10	47.58
0.00	0.00	0.00

Manual Integration:

Before

06/19/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\061819\
Data File : DS488.D
Acq On : 18 Jun 2019 7:51 pm
Operator : JMisiurewicz
Sample : R1905417-007
Misc : 338744 8270D
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 19 11:08:58 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 14 09:13:59 2019
Response via : Initial Calibration

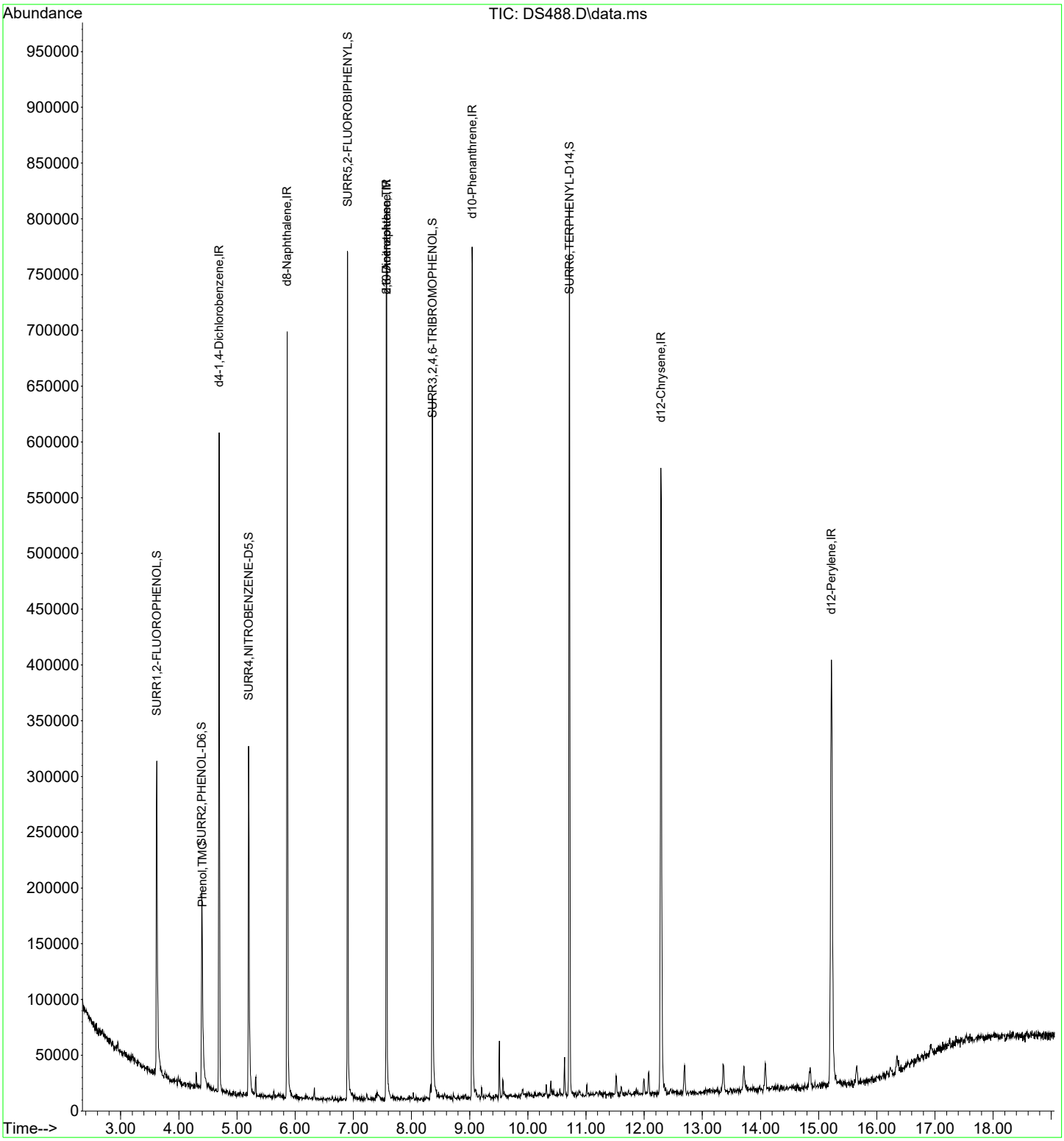
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.693	152	97602	40.00	ppm	-0.04
24) d8-Naphthalene	5.863	136	344902	40.00	ppm	-0.04
42) d10-Acenaphthene	7.566	164	176634	40.00	ppm	-0.05
69) d10-Phenanthrene	9.046	188	292820	40.00	ppm	-0.04
82) d12-Chrysene	12.288	240	280863	40.00	ppm	-0.07
91) d12-Perylene	15.220	264	283268	40.00	ppm	-0.07
System Monitoring Compounds						
4) SURR1,2-FLUOROPHENOL	3.619	112	128120	36.09	ppm	-0.04
Spiked Amount 100.000	Range 10 - 70		Recovery = 36.09%			
8) SURR2,PHENOL-D6	4.394	99	99385	22.79	ppm	-0.03
Spiked Amount 100.000	Range 10 - 107		Recovery = 22.79%			
25) SURR4,NITROBENZENE-D5	5.200	82	127046	36.30	ppm	-0.04
Spiked Amount 50.000	Range 31 - 110		Recovery = 72.60%			
48) SURR5,2-FLUOROBIPHENYL	6.904	172	255670	38.07	ppm	-0.04
Spiked Amount 50.000	Range 31 - 118		Recovery = 76.14%			
67) SURR3,2,4,6-TRIBROMOPH...	8.362	330	83882	115.97	ppm	-0.04
Spiked Amount 100.000	Range 35 - 141		Recovery = 115.97%			
85) SURR6,TERPHENYL-D14	10.718	244	279027	42.17	ppm	-0.05
Spiked Amount 50.000	Range 10 - 165		Recovery = 84.34%			
Target Compounds						Qvalue
9) Phenol	4.404	94	6016m	1.261	ppm	
54) 2,6-Dinitrotoluene	7.566	165	22688	15.114	ppm	# 27

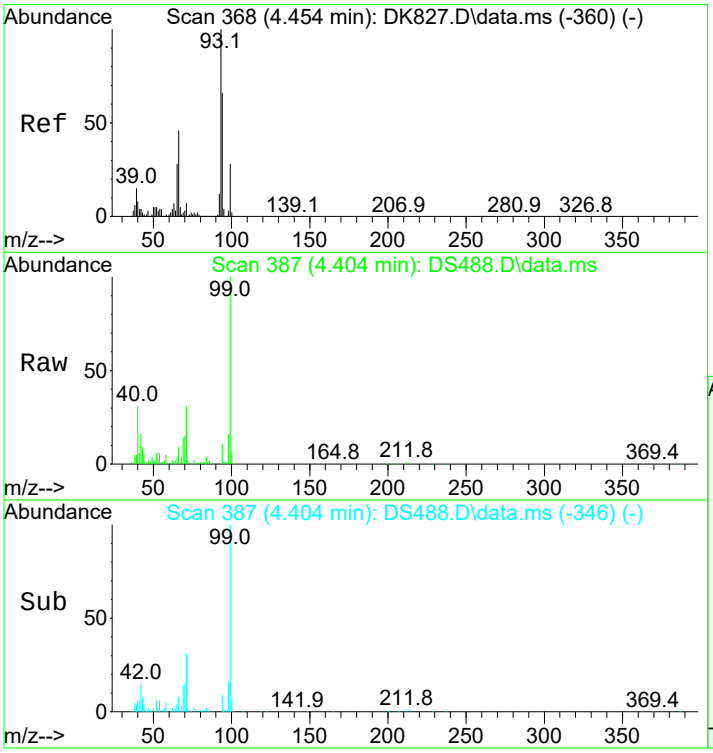
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\061819\
Data File : DS488.D
Acq On : 18 Jun 2019 7:51 pm
Operator : JMisiurewicz
Sample : R1905417-007
Misc : 338744 8270D
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 19 11:08:58 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 14 09:13:59 2019
Response via : Initial Calibration

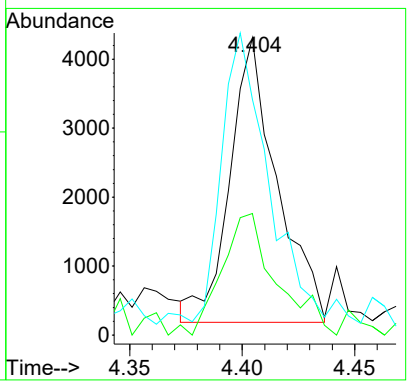


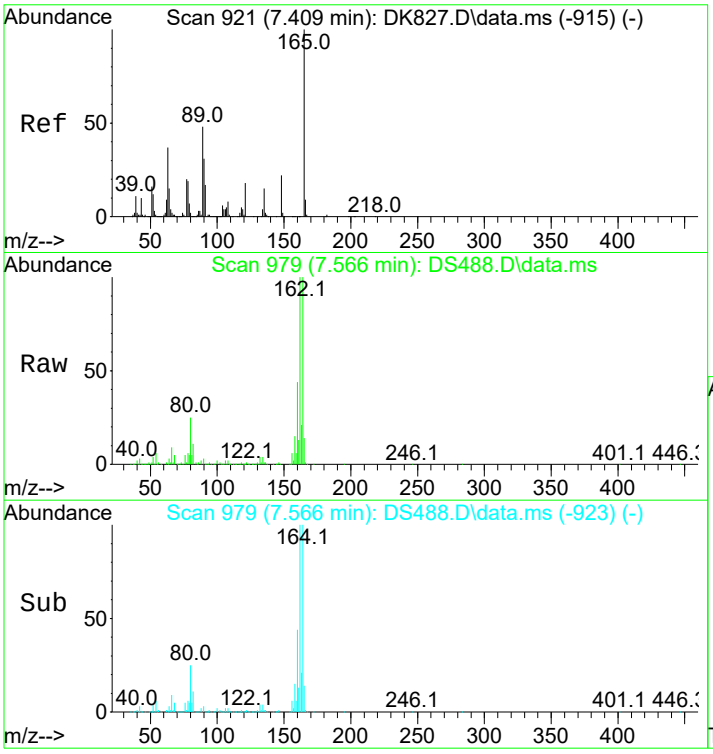


#9
Phenol
Concen: 1.26 ppm m
RT: 4.404 min Scan# 387
Delta R.T. -0.033 min
Lab File: DS488.D
Acq: 18 Jun 2019 7:51 pm

Tgt Ion: 94 Resp: 6016

Ion	Ratio	Lower	Upper
94	100		
65	40.9	0.0	57.1
66	79.4	4.1	64.1#

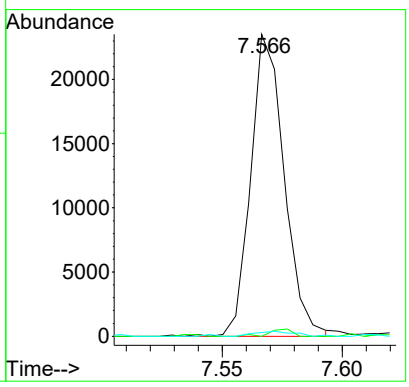




#54
2,6-Dinitrotoluene
Concen: 15.11 ppm
RT: 7.566 min Scan# 979
Delta R.T. 0.150 min
Lab File: DS488.D
Acq: 18 Jun 2019 7:51 pm

Tgt Ion:165 Resp: 22688

Ion	Ratio	Lower	Upper
165	100		
89	0.0	35.8	75.8#
63	1.0	17.9	77.9#



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\062419\
Data File : DS648.D
Acq On : 24 Jun 2019 8:24 pm
Operator : JMisiurewicz
Sample : R1905417-007
Misc : 339142 8270D RE
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 26 10:42:56 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jun 26 10:42:04 2019
Response via : Initial Calibration

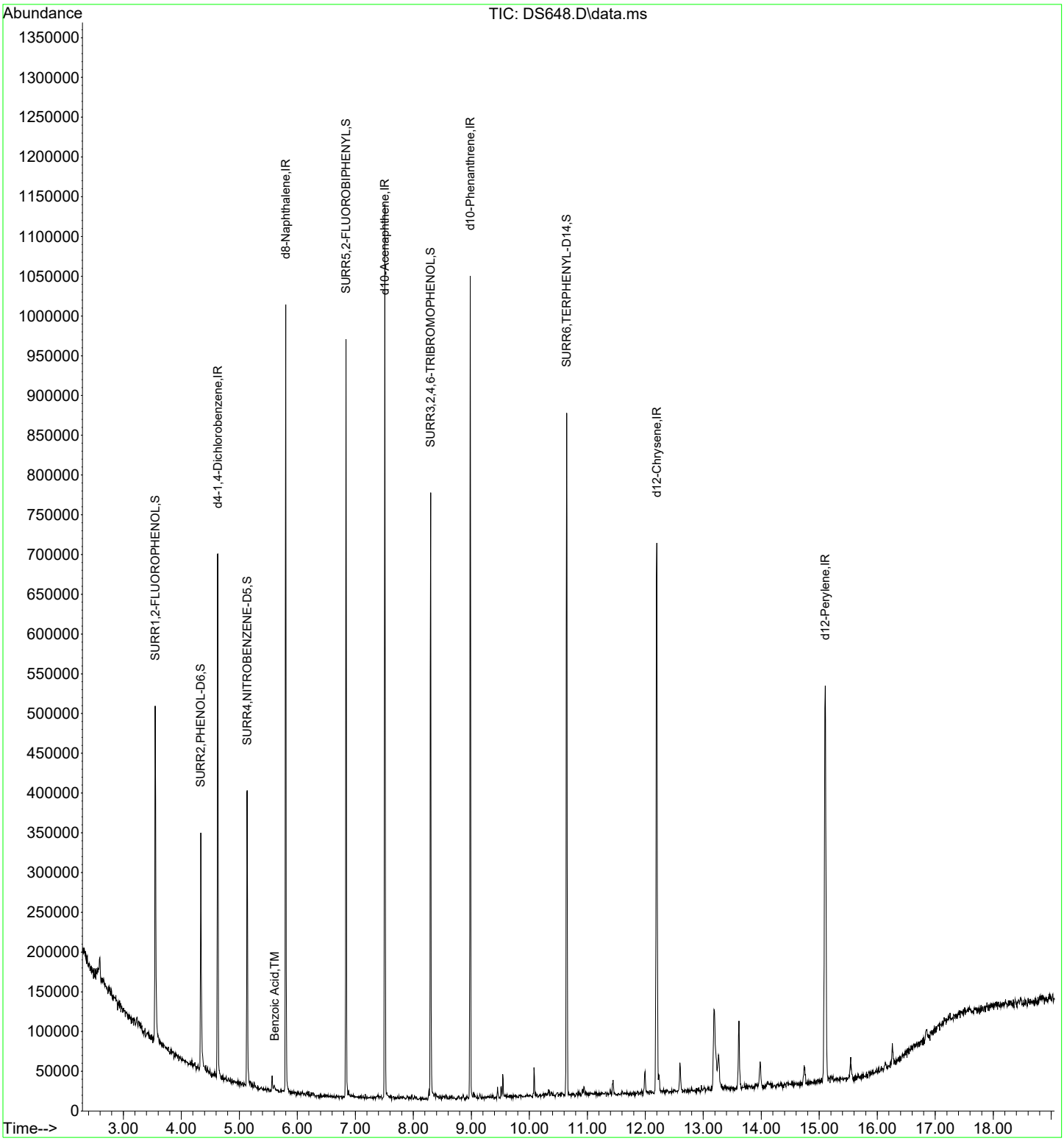
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.629	152	105975	40.00	ppm	0.00
33) d8-Naphthalene	5.799	136	388862	40.00	ppm	0.00
57) d10-Acenaphthene	7.508	164	203070	40.00	ppm	0.00
91) d10-Phenanthrene	8.982	188	319463	40.00	ppm	0.00
117) d12-Chrysene	12.197	240	311327	40.00	ppm	-0.01
135) d12-Perylene	15.103	264	316767	40.00	ppm	-0.01
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.550	112	143020	37.10	ppm	0.00
Spiked Amount 100.000	Range 10 - 70		Recovery = 37.10%			
12) SURR2,PHENOL-D6	4.335	99	116759	24.66	ppm	0.00
Spiked Amount 100.000	Range 10 - 107		Recovery = 24.66%			
34) SURR4,NITROBENZENE-D5	5.136	82	131289	33.27	ppm	0.00
Spiked Amount 50.000	Range 31 - 110		Recovery = 66.54%			
63) SURR5,2-FLUOROBIPHENYL	6.840	172	259157	33.56	ppm	0.00
Spiked Amount 50.000	Range 31 - 118		Recovery = 67.12%			
88) SURR3,2,4,6-TRIBROMOPH...	8.298	330	80427	96.72	ppm	0.00
Spiked Amount 100.000	Range 35 - 141		Recovery = 96.72%			
124) SURR6,TERPHENYL-D14	10.643	244	276778	37.74	ppm	0.00
Spiked Amount 50.000	Range 10 - 165		Recovery = 75.48%			
Target Compounds						Qvalue
41) Benzoic Acid	5.606	105	2722	18.180	ppm	74

(#) = qualifier out of range (m) = manual integration (+) = signals summed

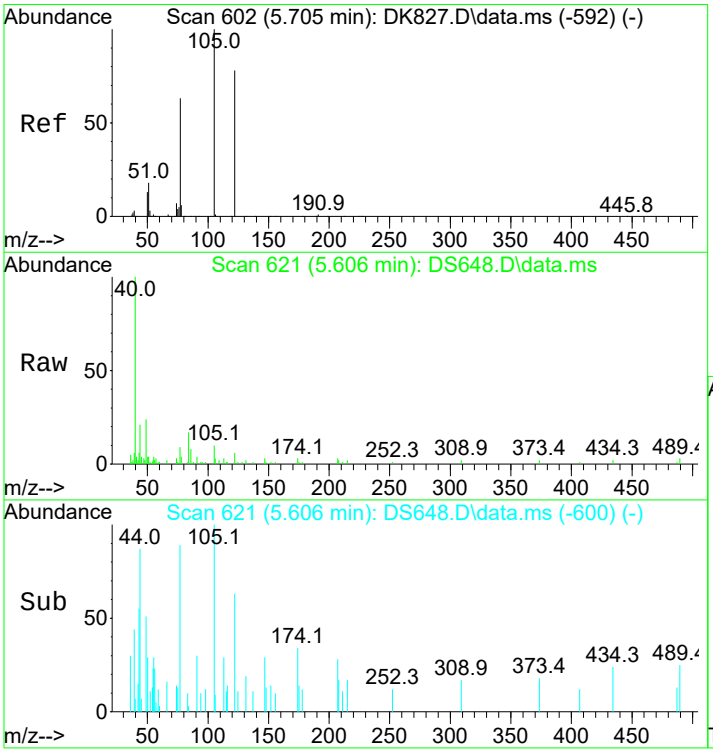
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\062419\
Data File : DS648.D
Acq On : 24 Jun 2019 8:24 pm
Operator : JMisiurewicz
Sample : R1905417-007
Misc : 339142 8270D RE
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 26 10:42:56 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jun 26 10:42:04 2019
Response via : Initial Calibration



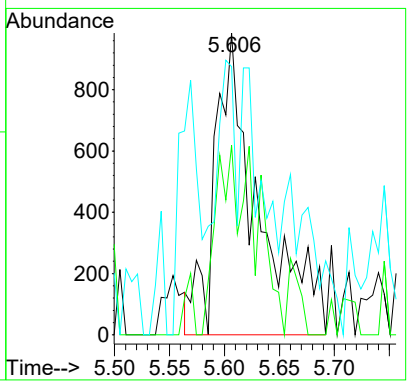
1st DM 06/26/19
2nd BA 06/26/19



#41
Benzoic Acid
Concen: 18.18 ppm
RT: 5.606 min Scan# 621
Delta R.T. 0.012 min
Lab File: DS648.D
Acq: 24 Jun 2019 8:24 pm

Tgt Ion:105 Resp: 2722

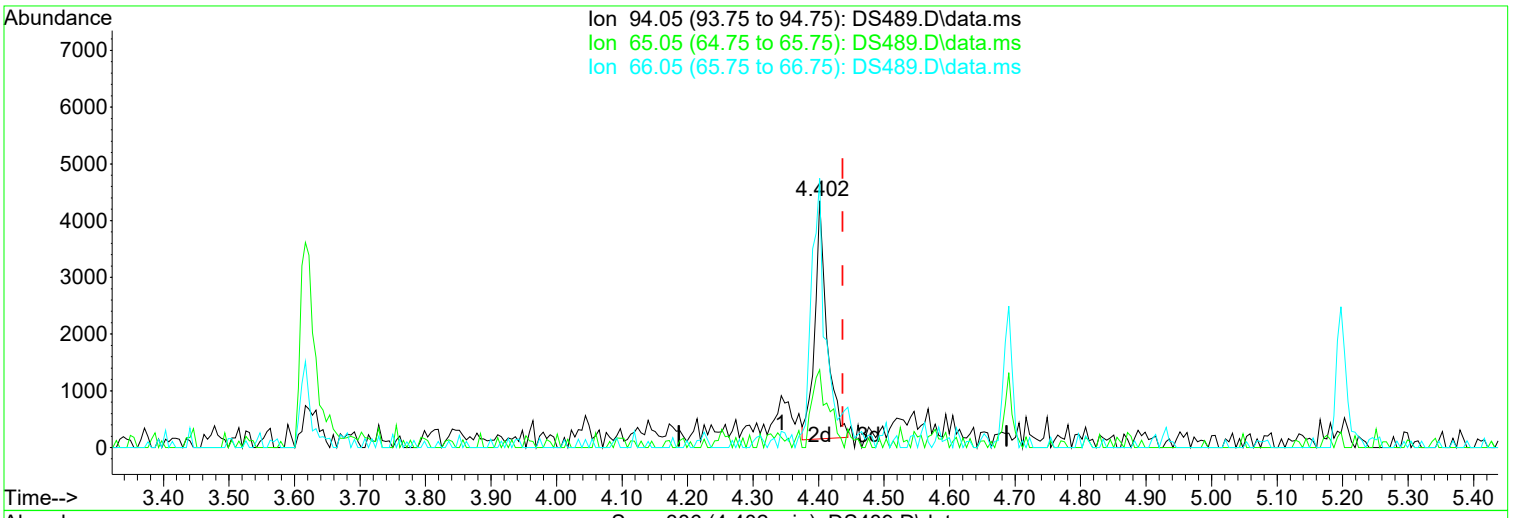
Ion	Ratio	Lower	Upper
105	100		
122	61.1	47.4	117.4
77	46.0	34.6	104.6

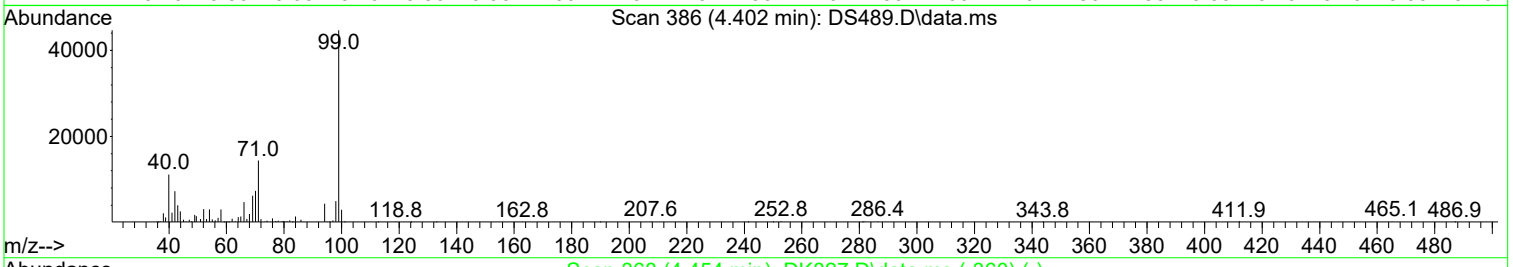


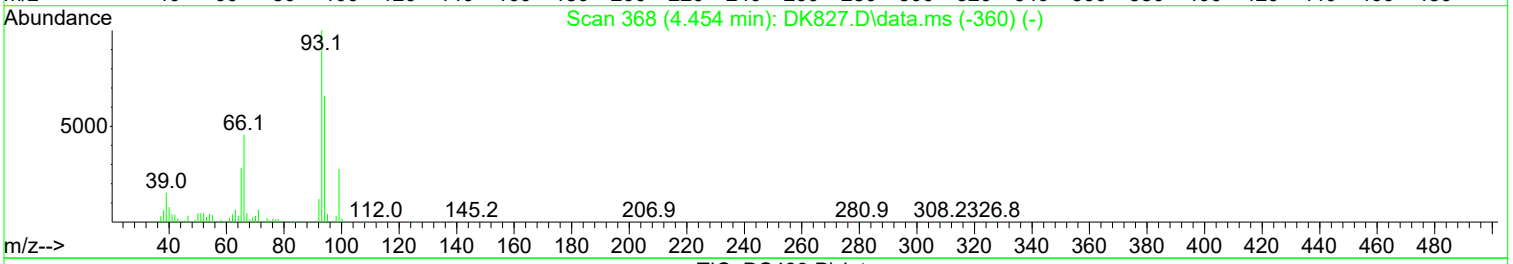
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\061819\
Data File : DS489.D
Acq On : 18 Jun 2019 8:20 pm
Operator : JMisiurewicz
Sample : R1905417-008
Misc : 338744 8270D
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 19 11:09:02 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 14 09:13:59 2019
Response via : Initial Calibration







TIC: DS489.D\data.ms

(9) Phenol (TMC)

4.402min (-0.036) 1.02 ppm m

response 5411

Ion	Exp%	Act%
94.05	100.00	100.00
65.05	27.10	31.59
66.05	34.10	109.09#
0.00	0.00	0.00

Manual Integration:

After

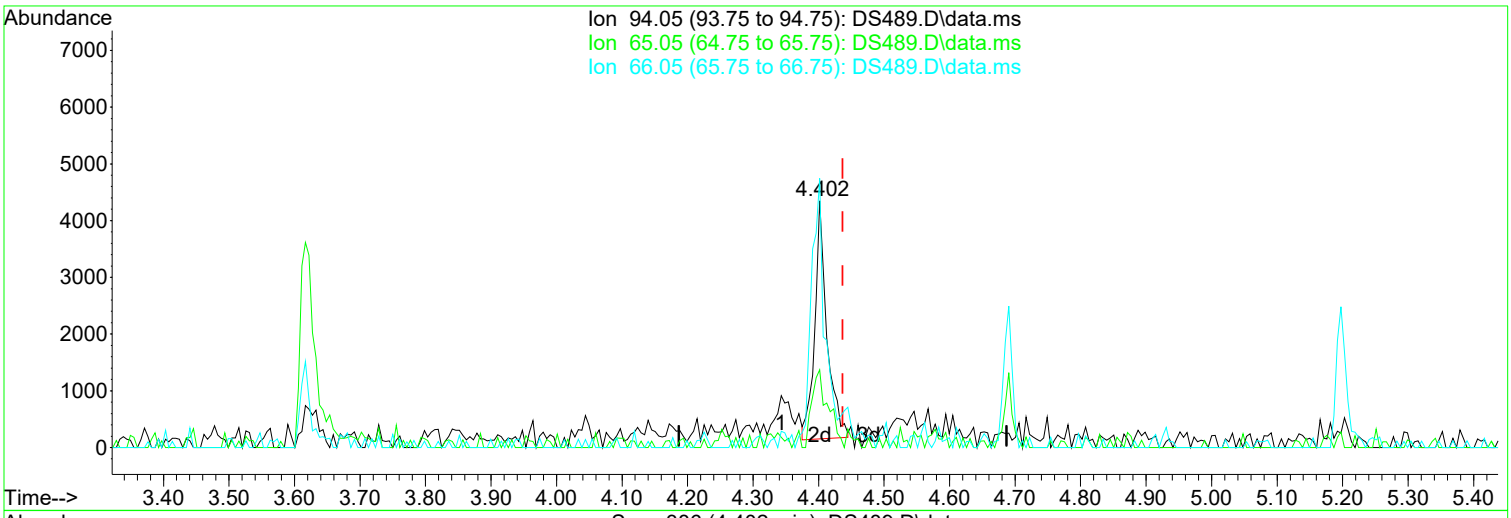
Peak not found.

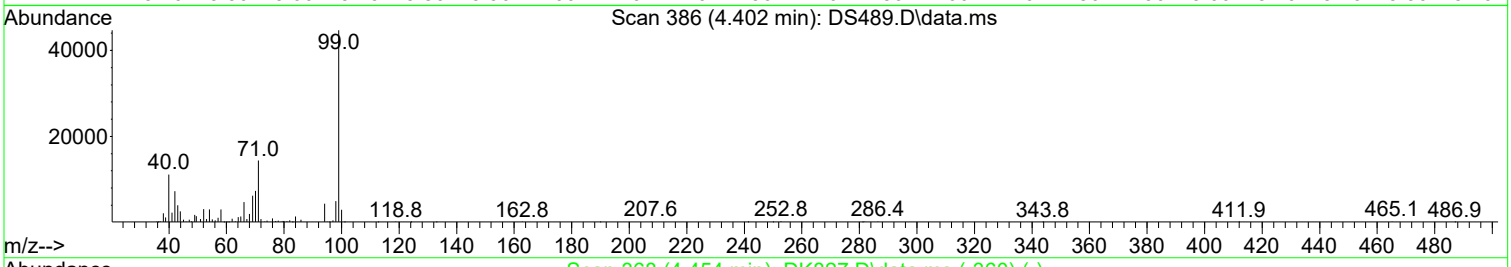
06/19/19

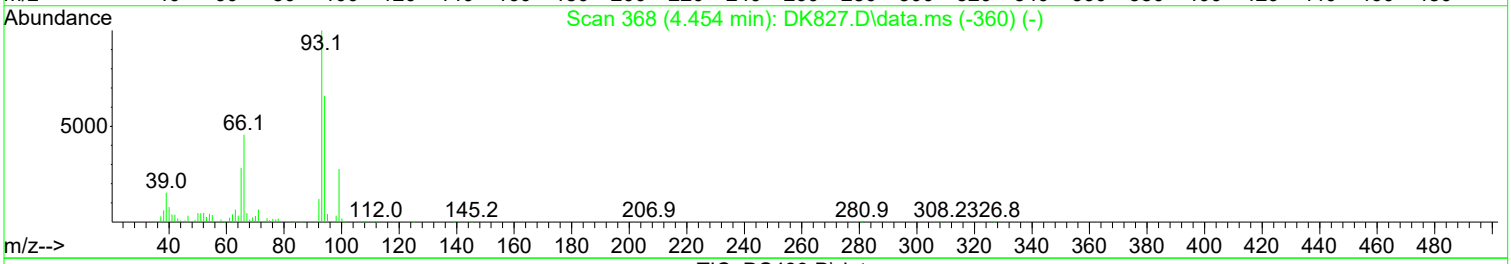
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\061819\
Data File : DS489.D
Acq On : 18 Jun 2019 8:20 pm
Operator : JMisiurewicz
Sample : R1905417-008
Misc : 338744 8270D
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 19 11:09:02 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 14 09:13:59 2019
Response via : Initial Calibration







TIC: DS489.D\data.ms

(9) Phenol (TMC)

4.402min (-0.036) 1.02 ppm m

response 5411

Ion	Exp%	Act%
94.05	100.00	100.00
65.05	27.10	31.59
66.05	34.10	109.09#
0.00	0.00	0.00

Manual Integration:

After

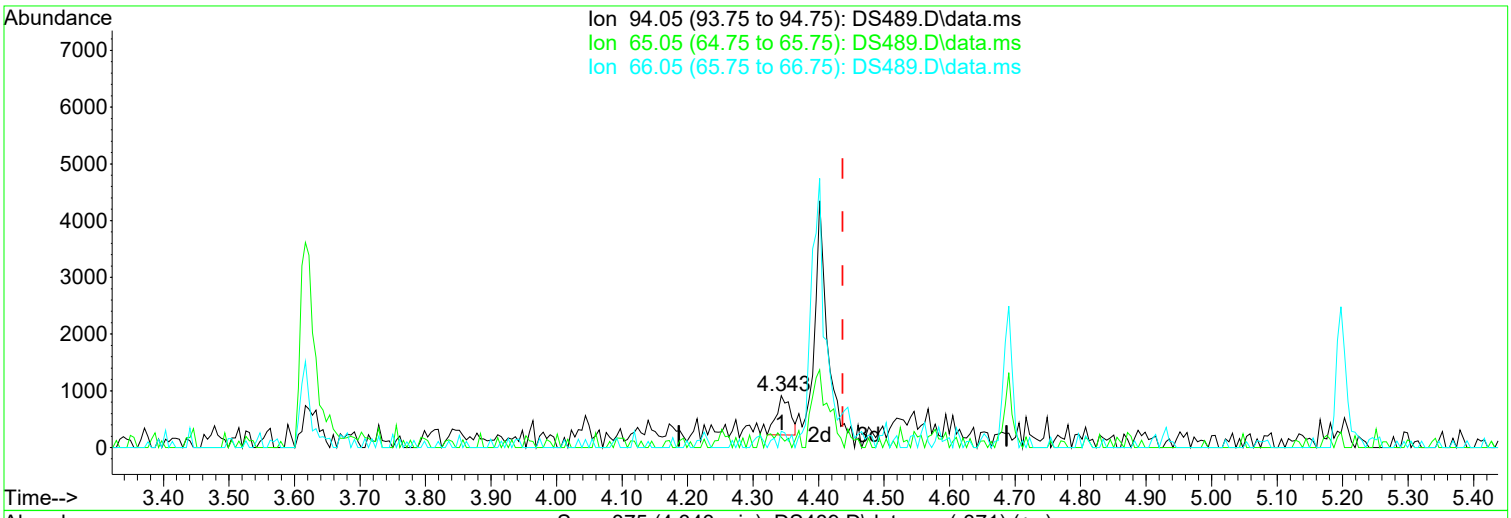
Poor integration.

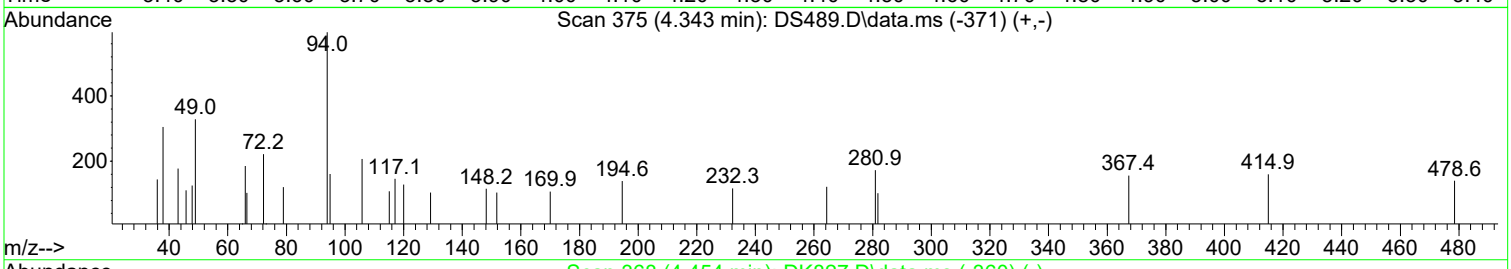
06/19/19

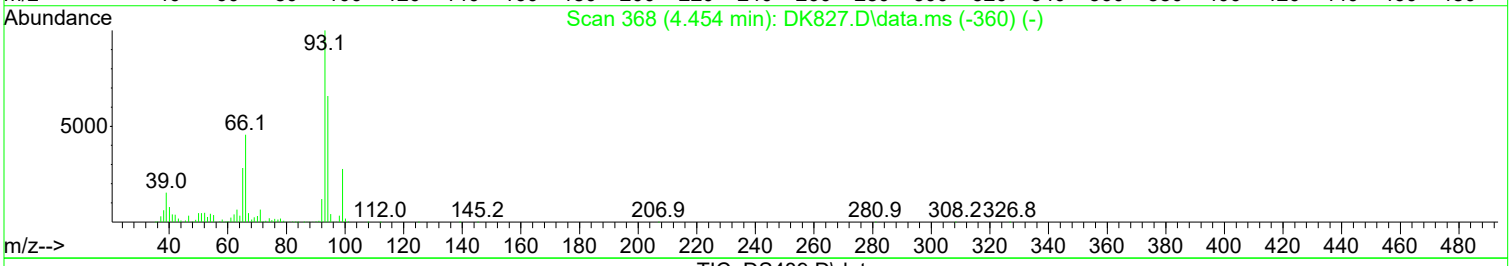
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\061819\
Data File : DS489.D
Acq On : 18 Jun 2019 8:20 pm
Operator : JMisiurewicz
Sample : R1905417-008
Misc : 338744 8270D
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 19 11:09:02 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 14 09:13:59 2019
Response via : Initial Calibration







TIC: DS489.D\data.ms

(9) Phenol (TMC)

4.343min (-0.094) 0.19 ppm

response 1007

Ion	Exp%	Act%
94.05	100.00	100.00
65.05	27.10	1.43
66.05	34.10	48.40
0.00	0.00	0.00

Manual Integration:

Before

06/19/19

1st JM 06/19/19
2nd MP 06/19/19

Data Path : I:\ACQUDATA\5973A\DATA\061819\
Data File : DS489.D
Acq On : 18 Jun 2019 8:20 pm
Operator : JMisiurewicz
Sample : R1905417-008
Misc : 338744 8270D
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 19 11:09:02 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 14 09:13:59 2019
Response via : Initial Calibration

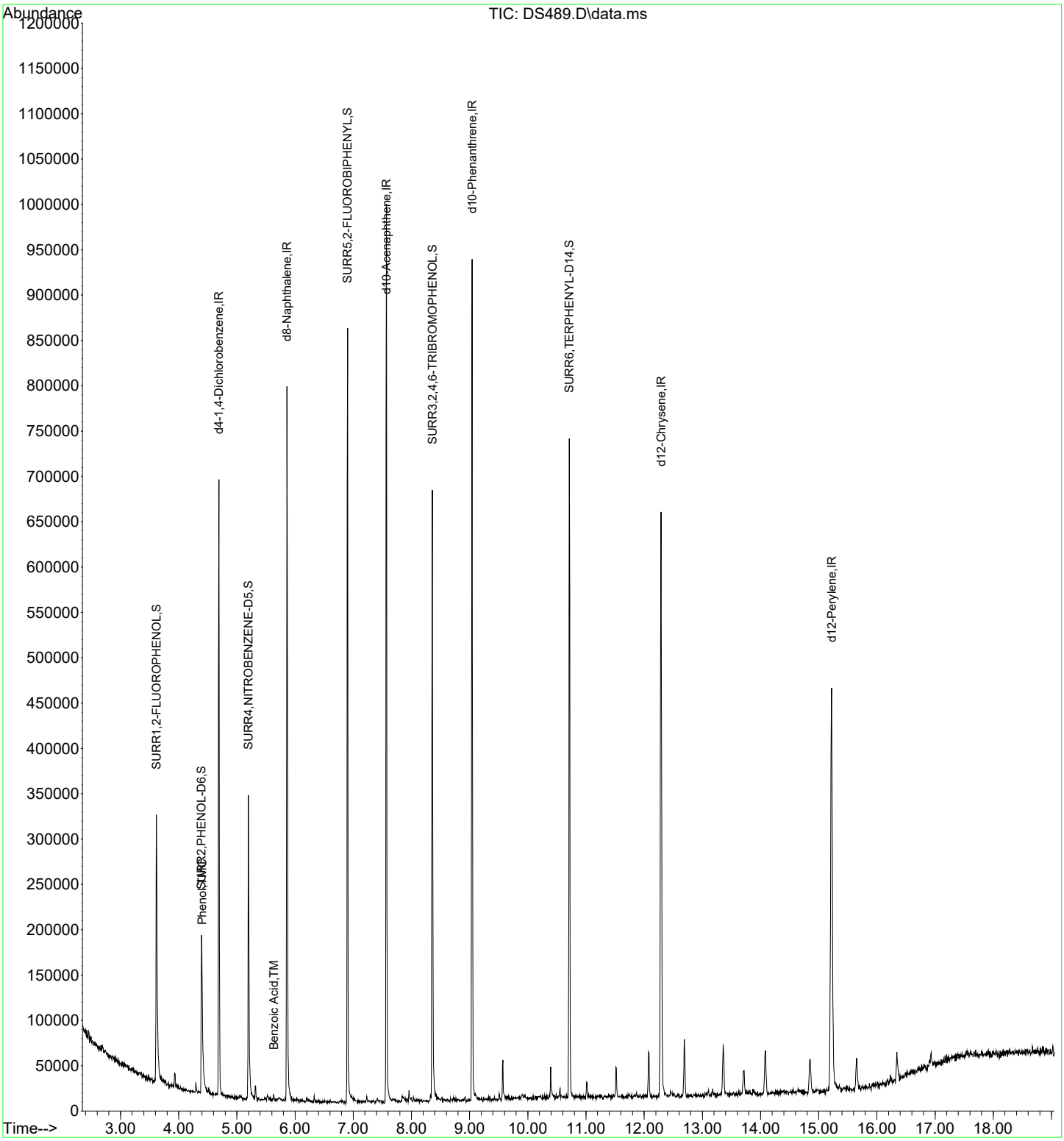
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.690	152	108080	40.00	ppm	-0.04
24) d8-Naphthalene	5.860	136	403656	40.00	ppm	-0.04
42) d10-Acenaphthene	7.569	164	203117	40.00	ppm	-0.04
69) d10-Phenanthrene	9.043	188	336089	40.00	ppm	-0.04
82) d12-Chrysene	12.290	240	315120	40.00	ppm	-0.06
91) d12-Perylene	15.223	264	313060	40.00	ppm	-0.07
System Monitoring Compounds						
4) SURR1,2-FLUOROPHENOL	3.617	112	126319	32.13	ppm	-0.05
Spiked Amount 100.000	Range 10 - 70		Recovery = 32.13%			
8) SURR2,PHENOL-D6	4.391	99	100438	20.80	ppm	-0.04
Spiked Amount 100.000	Range 10 - 107		Recovery = 20.80%			
25) SURR4,NITROBENZENE-D5	5.198	82	134420	32.82	ppm	-0.04
Spiked Amount 50.000	Range 31 - 110		Recovery = 65.64%			
48) SURR5,2-FLUOROBIPHENYL	6.901	172	268037	34.70	ppm	-0.04
Spiked Amount 50.000	Range 31 - 118		Recovery = 69.40%			
67) SURR3,2,4,6-TRIBROMOPH...	8.359	330	91709	110.26	ppm	-0.04
Spiked Amount 100.000	Range 35 - 141		Recovery = 110.26%			
85) SURR6,TERPHENYL-D14	10.715	244	246008	33.14	ppm	-0.05
Spiked Amount 50.000	Range 10 - 165		Recovery = 66.28%			
Target Compounds						Qvalue
9) Phenol	4.402	94	5411m	1.024	ppm	
31) Benzoic Acid	5.636	105	115	16.934	ppm	# 1

(#) = qualifier out of range (m) = manual integration (+) = signals summed

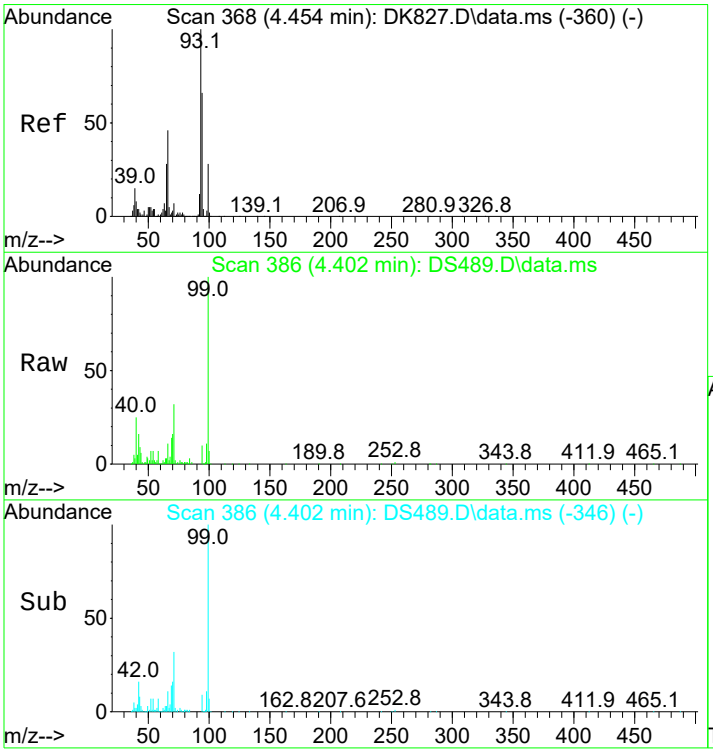
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\061819\
Data File : DS489.D
Acq On : 18 Jun 2019 8:20 pm
Operator : JMisiurewicz
Sample : R1905417-008
Misc : 338744 8270D
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 19 11:09:02 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 14 09:13:59 2019
Response via : Initial Calibration



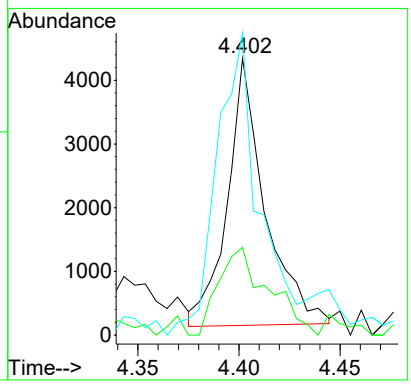
1st DM 06/19/19
2nd MP 06/19/19

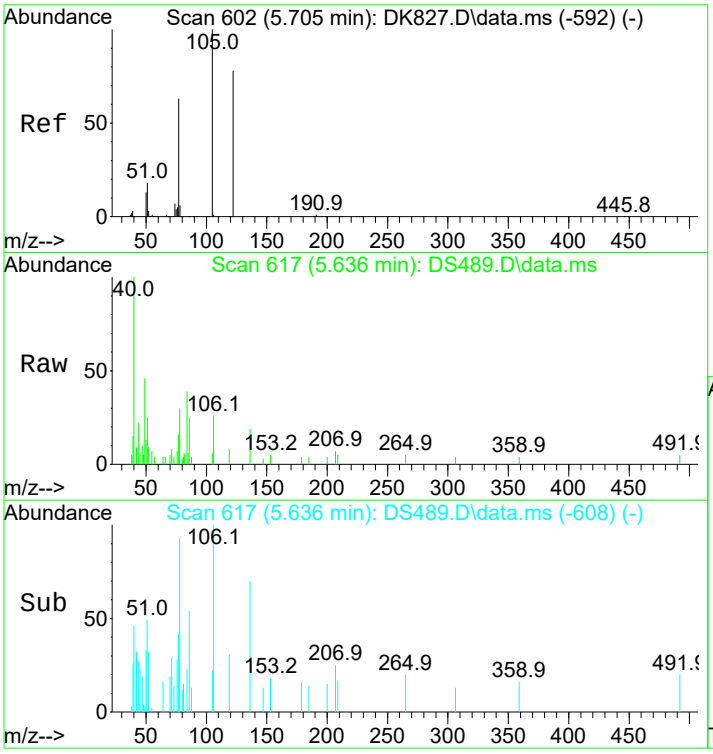


#9
Phenol
Concen: 1.02 ppm m
RT: 4.402 min Scan# 386
Delta R.T. -0.036 min
Lab File: DS489.D
Acq: 18 Jun 2019 8:20 pm

Tgt Ion: 94 Resp: 5411

Ion	Ratio	Lower	Upper
94	100		
65	31.6	0.0	57.1
66	109.1	4.1	64.1#

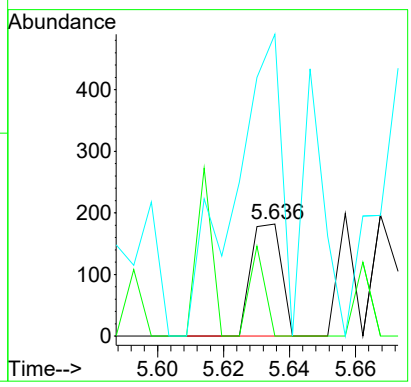




#31
Benzoic Acid
Concen: 16.93 ppm
RT: 5.636 min Scan# 617
Delta R.T. -0.051 min
Lab File: DS489.D
Acq: 18 Jun 2019 8:20 pm

Tgt Ion:105 Resp: 115

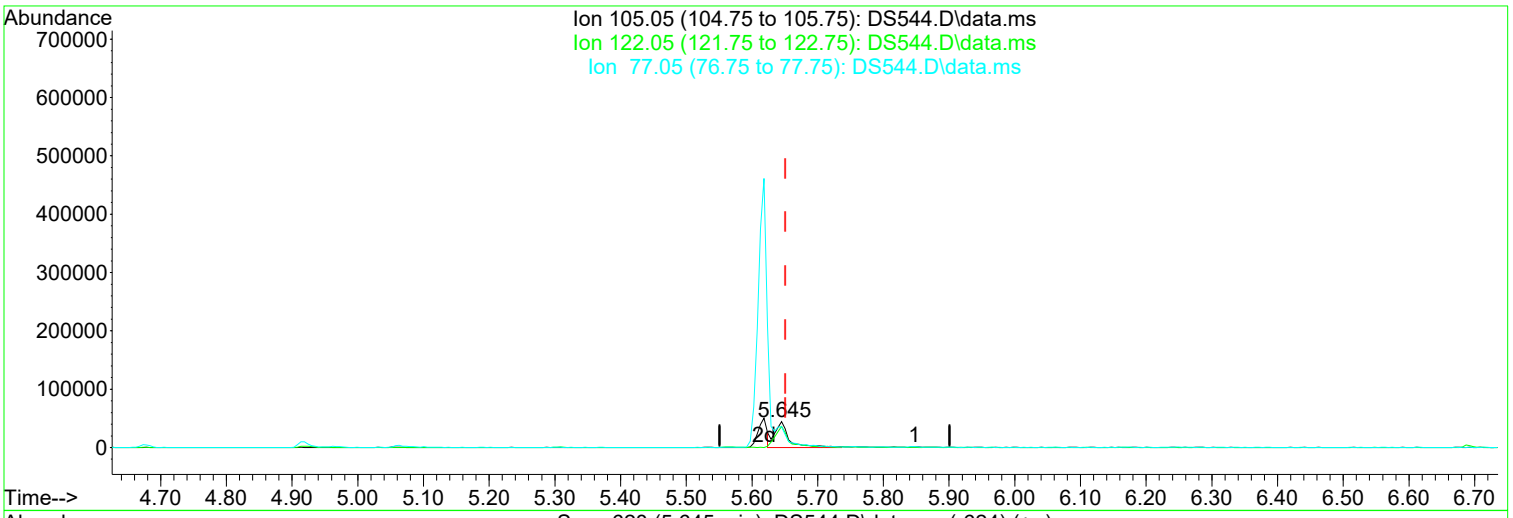
Ion	Ratio	Lower	Upper
105	100		
122	0.0	47.4	117.4#
77	224.7	34.6	104.6#

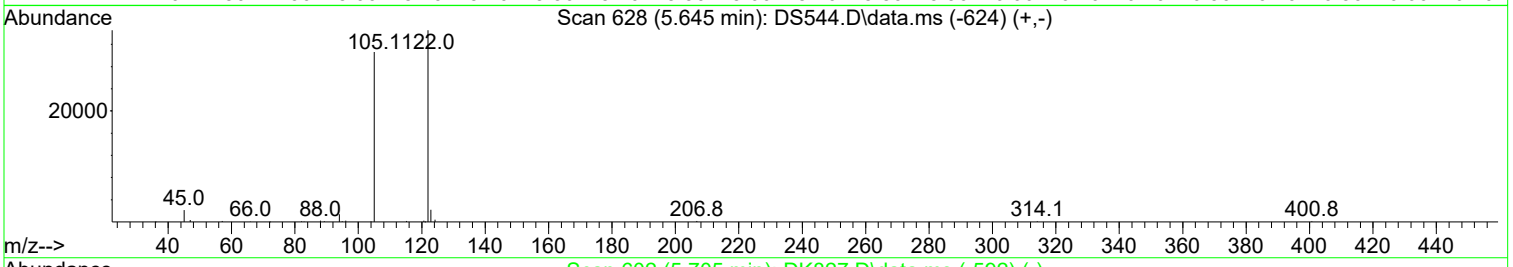


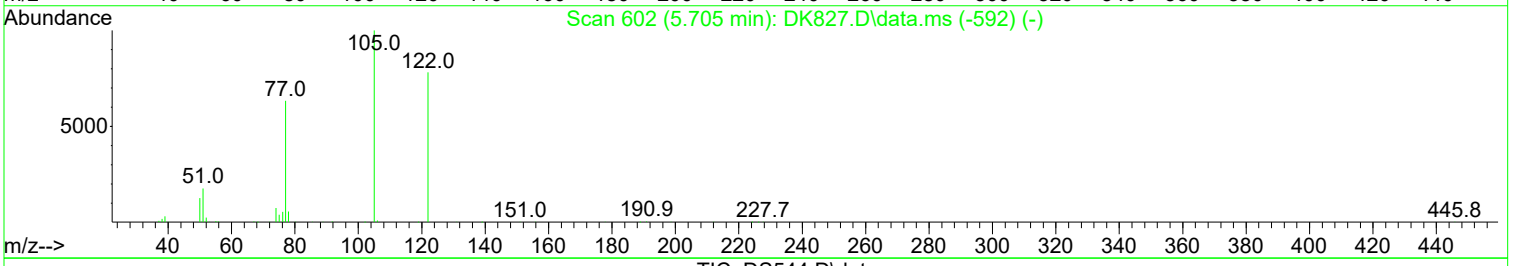
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\061919\
Data File : DS544.D
Acq On : 20 Jun 2019 12:31 am
Operator : JMisiurewicz
Sample : R1905417-009|5.0
Misc : 338744 8270D
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 24 09:16:17 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Jun 24 09:14:09 2019
Response via : Initial Calibration







TIC: DS544.D\data.ms

(41) Benzoic Acid (TM)

5.645min (-0.006) 43.40 ppm m

response 67887

Ion	Exp%	Act%
105.05	100.00	100.00
122.05	82.40	81.35
77.05	69.60	79.80
0.00	0.00	0.00

Manual Integration:

After

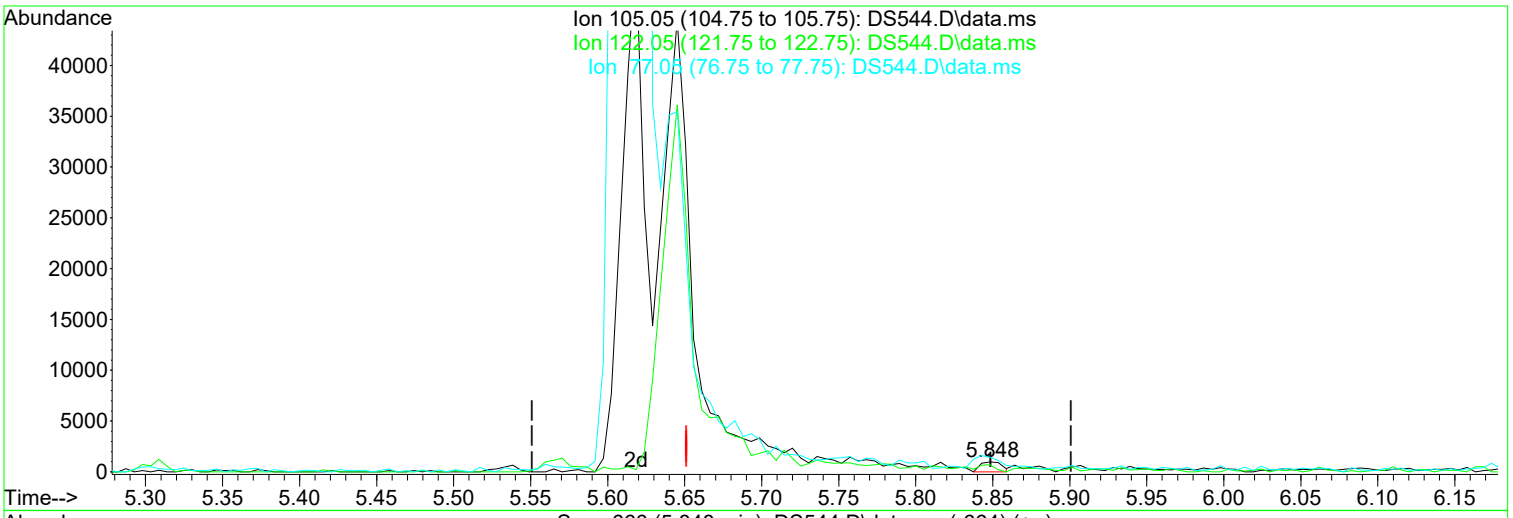
Peak not found.

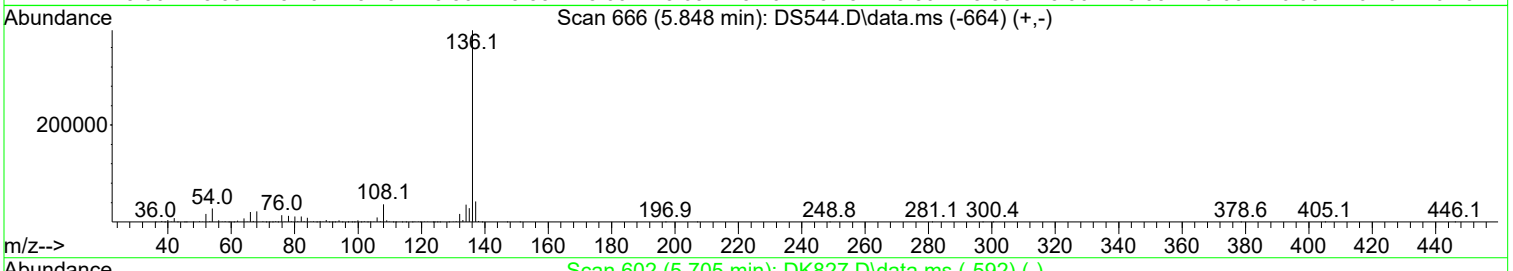
06/24/19

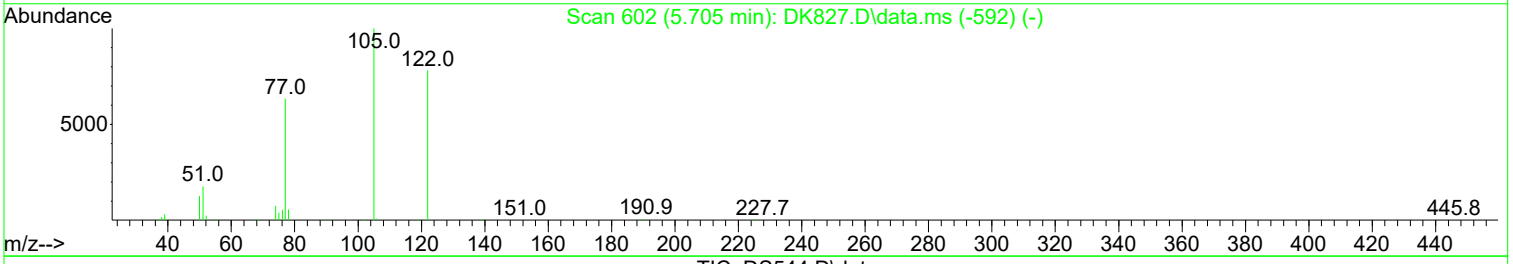
1st 06/24/19
2nd 06/24/19

Data Path : I:\ACQUDATA\5973A\DATA\061919\
Data File : DS544.D
Acq On : 20 Jun 2019 12:31 am
Operator : JMisiurewicz
Sample : R1905417-009|5.0
Misc : 338744 8270D
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 24 09:16:17 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Jun 24 09:14:09 2019
Response via : Initial Calibration







TIC: DS544.D\data.ms

(41) Benzoic Acid (TM)

5.848min (+ 0.197) 17.26 ppm

response 984

Ion	Exp%	Act%
105.05	100.00	100.00
122.05	82.40	71.34
77.05	69.60	63.09
0.00	0.00	0.00

Manual Integration:

Before

06/24/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\061919\
Data File : DS544.D
Acq On : 20 Jun 2019 12:31 am
Operator : JMisiurewicz
Sample : R1905417-009|5.0
Misc : 338744 8270D
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 24 09:16:17 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Jun 24 09:14:09 2019
Response via : Initial Calibration

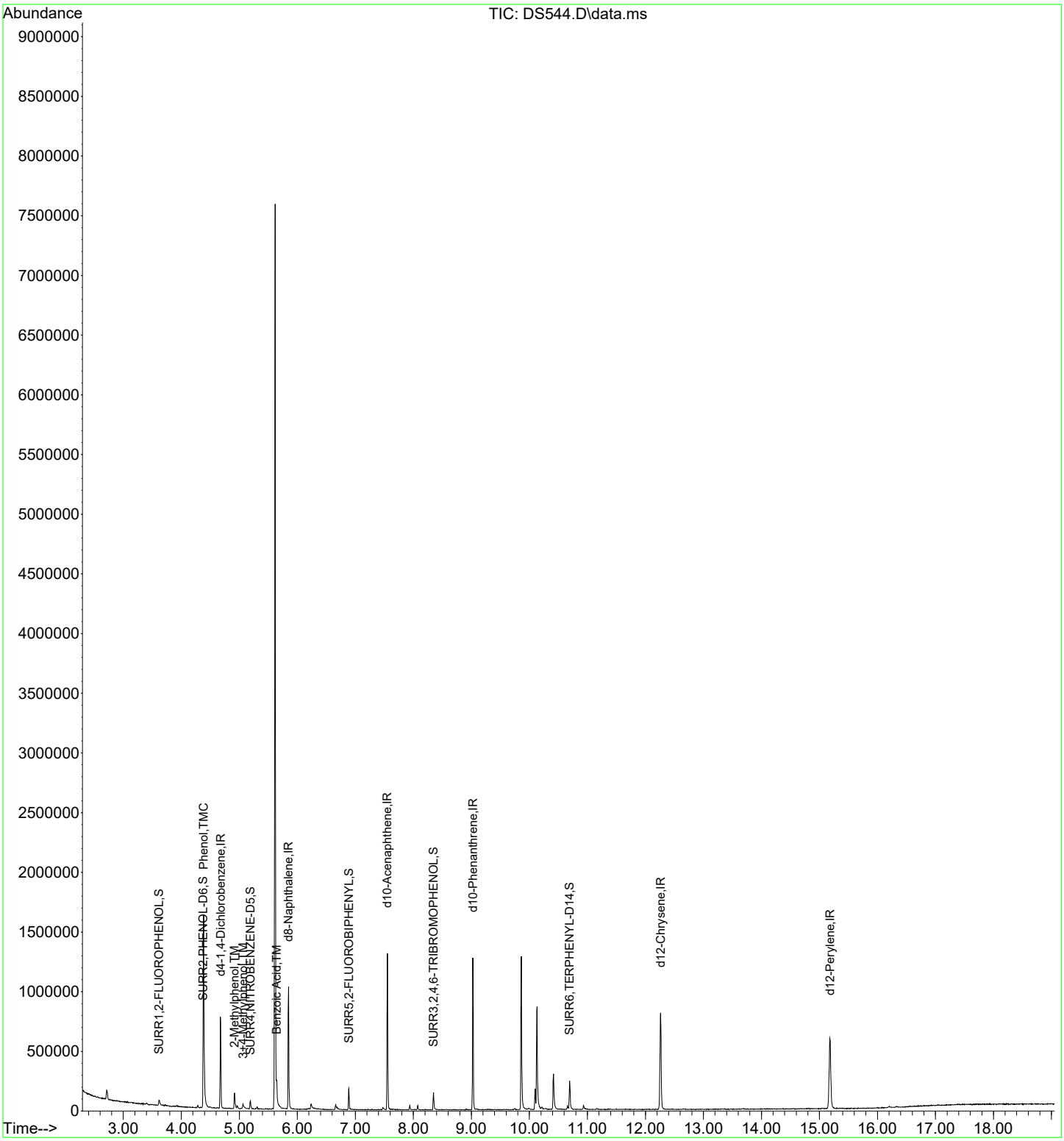
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.678	152	127282	40.00	ppm	0.00
33) d8-Naphthalene	5.848	136	481272	40.00	ppm	0.00
57) d10-Acenaphthene	7.552	164	250833	40.00	ppm	0.00
91) d10-Phenanthrene	9.026	188	425667	40.00	ppm	0.00
117) d12-Chrysene	12.263	240	399266	40.00	ppm	0.00
135) d12-Perylene	15.184	264	400081	40.00	ppm	0.00
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.616	112	22386	4.84	ppm	0.02
Spiked Amount 100.000	Range 10 - 70		Recovery = 4.84%#			
12) SURR2,PHENOL-D6	4.374	99	21374	3.76	ppm	0.00
Spiked Amount 100.000	Range 10 - 107		Recovery = 3.76%#			
34) SURR4,NITROBENZENE-D5	5.191	82	26806	5.49	ppm	0.00
Spiked Amount 50.000	Range 31 - 110		Recovery = 10.98%#			
63) SURR5,2-FLUOROBIPHENYL	6.890	172	56980	5.97	ppm	0.00
Spiked Amount 50.000	Range 31 - 118		Recovery = 11.94%#			
88) SURR3,2,4,6-TRIBROMOPH...	8.348	330	18719	18.22	ppm	0.00
Spiked Amount 100.000	Range 35 - 141		Recovery = 18.22%#			
124) SURR6,TERPHENYL-D14	10.692	244	53210	5.66	ppm	0.00
Spiked Amount 50.000	Range 10 - 165		Recovery = 11.32%			
Target Compounds						Qvalue
13) Phenol	4.385	94	690067	110.934	ppm	99
23) 2-Methylphenol	4.919	108	31256	7.129	ppm	87
24) 3+4-Methylphenol	5.063	108	14438	2.910	ppm	86
41) Benzoic Acid	5.645	105	67887m	43.400	ppm	

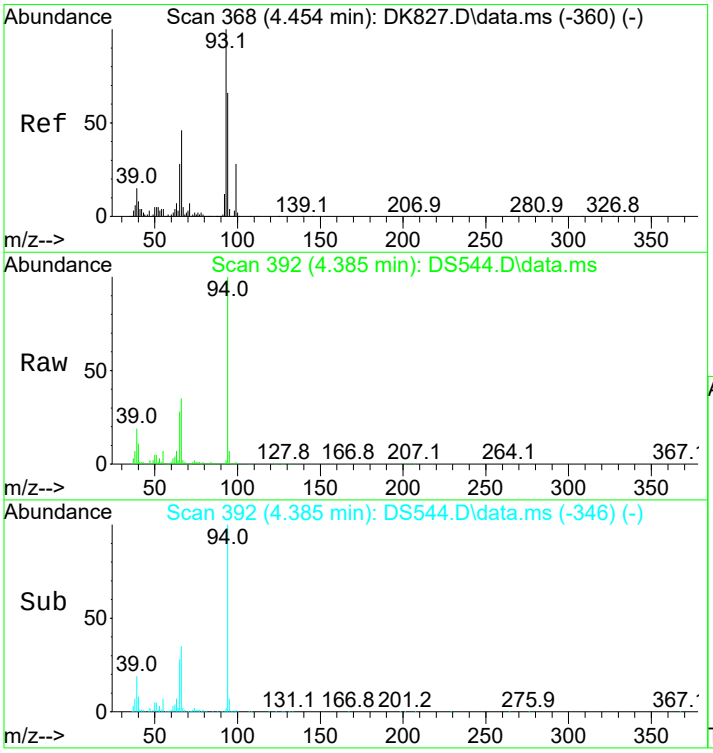
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\061919\
Data File : DS544.D
Acq On : 20 Jun 2019 12:31 am
Operator : JMisiurewicz
Sample : R1905417-009|5.0
Misc : 338744 8270D
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 24 09:16:17 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Jun 24 09:14:09 2019
Response via : Initial Calibration

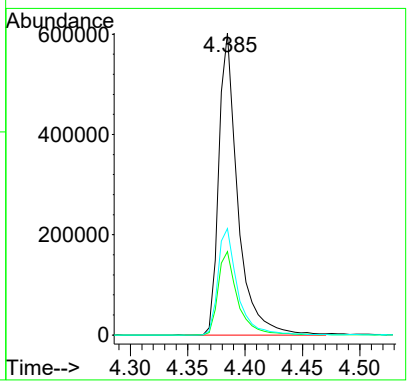


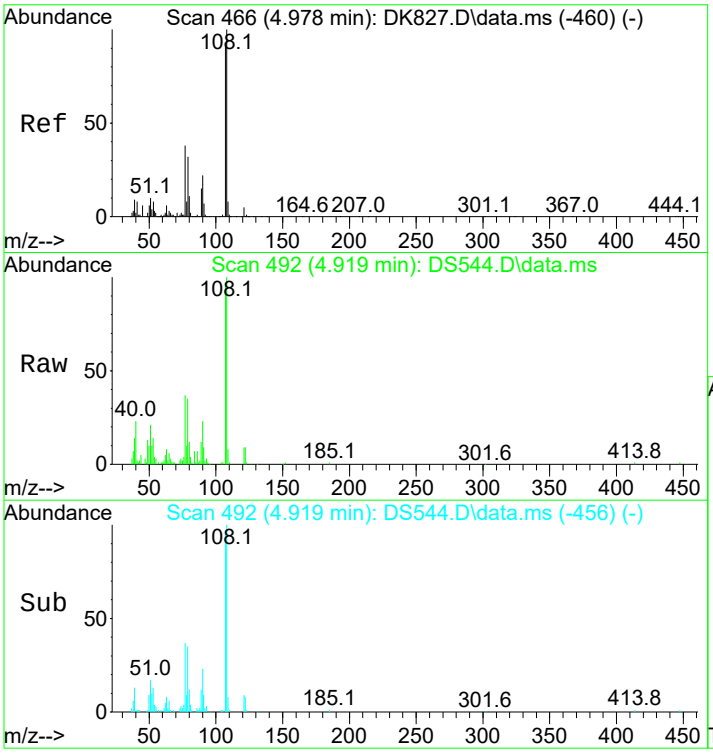


#13
Phenol
Concen: 110.93 ppm
RT: 4.385 min Scan# 392
Delta R.T. -0.006 min
Lab File: DS544.D
Acq: 20 Jun 2019 12:31 am

Tgt Ion: 94 Resp: 690067

Ion	Ratio	Lower	Upper
94	100		
65	27.6	0.0	57.1
66	35.2	4.1	64.1

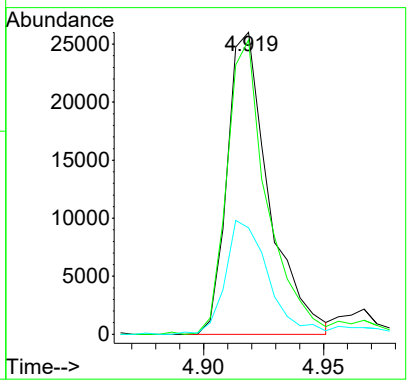


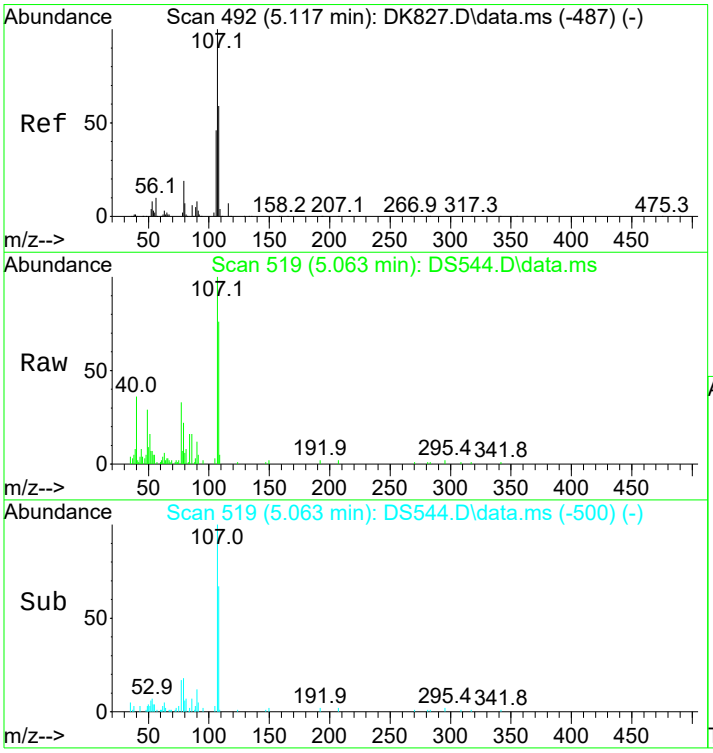


#23
2-Methylphenol
Concen: 7.13 ppm
RT: 4.919 min Scan# 492
Delta R.T. -0.006 min
Lab File: DS544.D
Acq: 20 Jun 2019 12:31 am

Tgt Ion:108 Resp: 31256

Ion	Ratio	Lower	Upper
108	100		
107	98.1	55.9	115.9
79	35.1	12.4	72.4

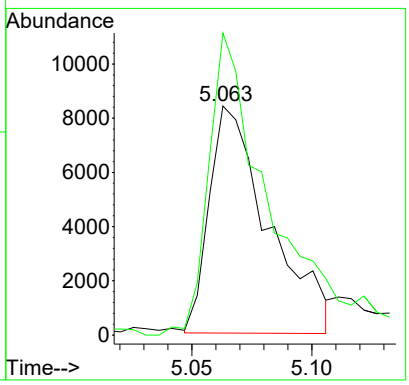


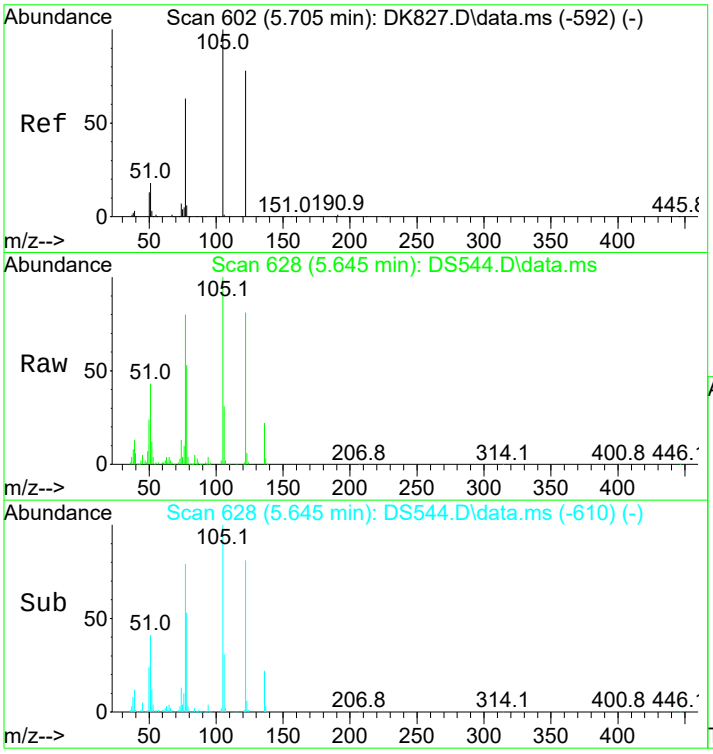


#24
3+4-Methylphenol
Concen: 2.91 ppm
RT: 5.063 min Scan# 519
Delta R.T. -0.001 min
Lab File: DS544.D
Acq: 20 Jun 2019 12:31 am

Tgt Ion:108 Resp: 14438

Ion	Ratio	Lower	Upper
108	100		
107	129.2	94.1	134.1

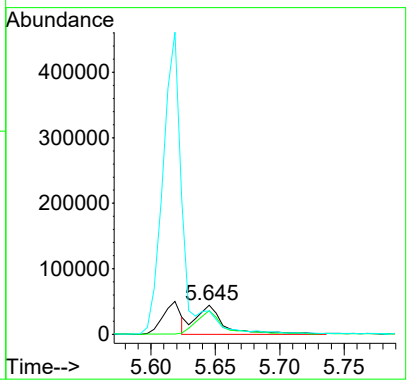




#41
Benzoic Acid
Concen: 43.40 ppm m
RT: 5.645 min Scan# 628
Delta R.T. -0.006 min
Lab File: DS544.D
Acq: 20 Jun 2019 12:31 am

Tgt Ion:105 Resp: 67887

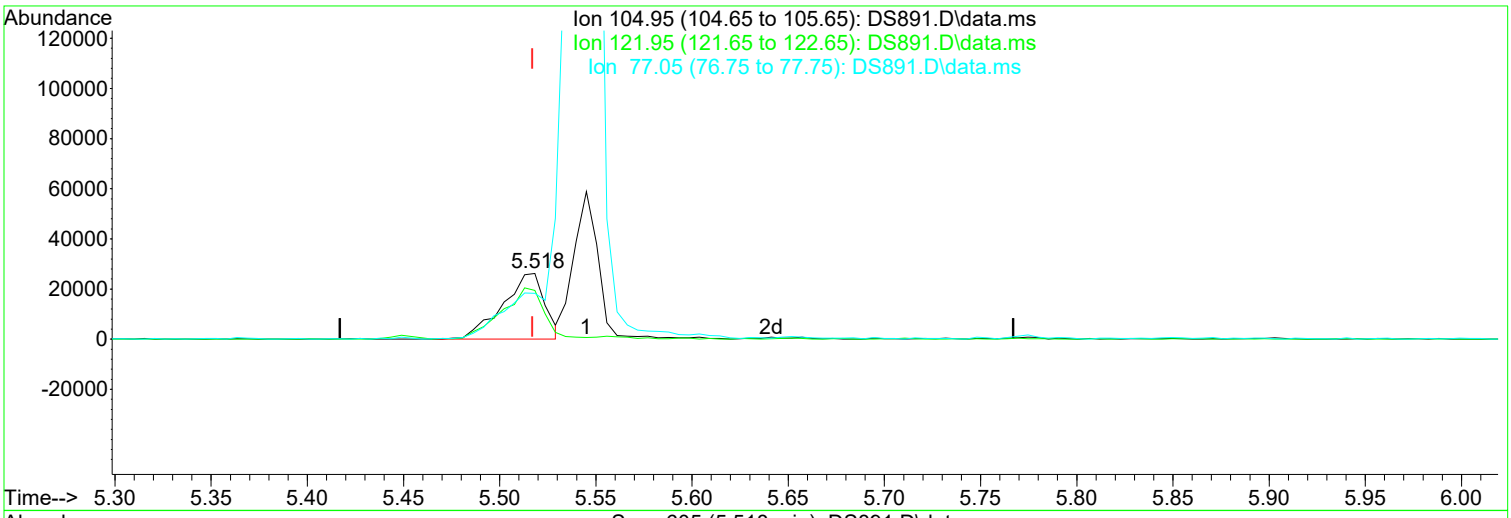
Ion	Ratio	Lower	Upper
105	100		
122	81.3	47.4	117.4
77	79.8	34.6	104.6

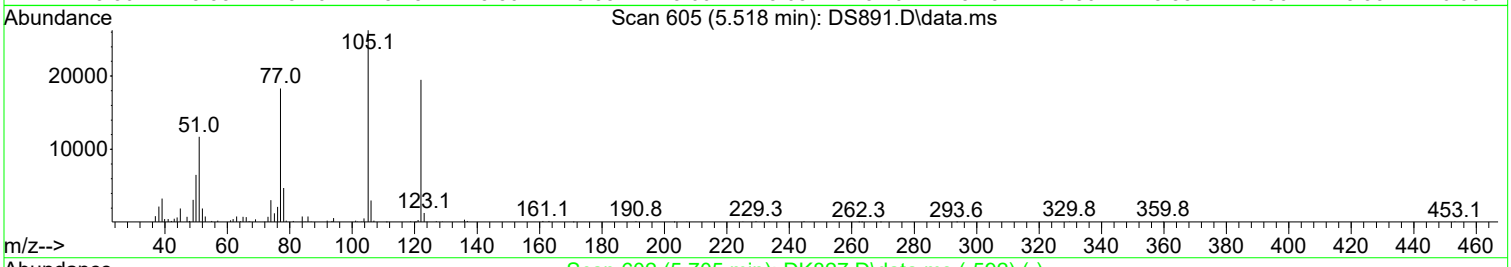


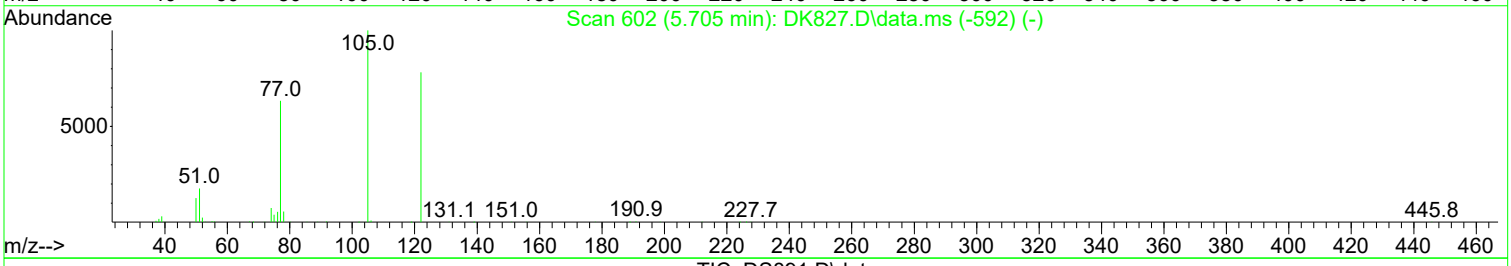
1st DM 07/15/19
2nd BA 07/15/19

Data Path : I:\ACQUDATA\5973A\DATA\071219\
Data File : DS891.D
Acq On : 12 Jul 2019 4:37 pm
Operator : JMisiurewicz
Sample : R1905417-009|5.0
Misc : 339699 8270D RE
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jul 15 10:02:11 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jul 05 09:32:54 2019
Response via : Initial Calibration







TIC: DS891.D\data.ms

(41) Benzoic Acid (TM)

5.518min (+ 0.001) 16.31 ppm m

response 39941

Ion	Exp%	Act%
104.95	100.00	100.00
121.95	75.00	74.15
77.05	84.70	69.80
0.00	0.00	0.00

Manual Integration:

After

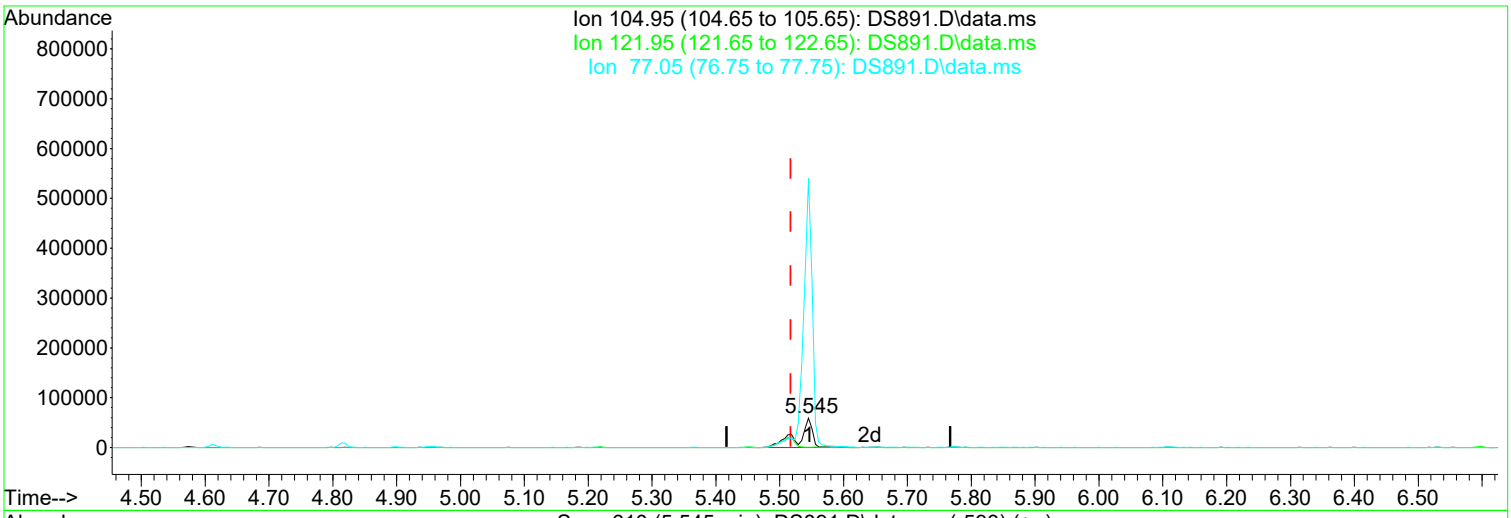
Poor integration.

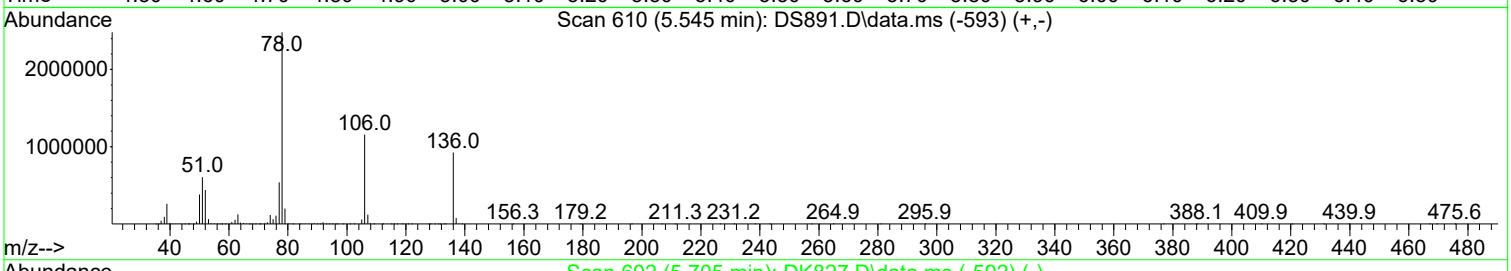
07/15/19

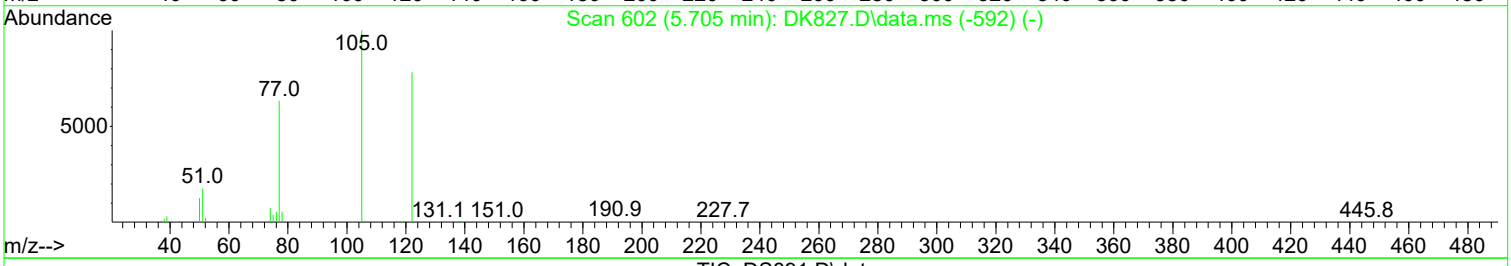
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\071219\
Data File : DS891.D
Acq On : 12 Jul 2019 4:37 pm
Operator : JMisiurewicz
Sample : R1905417-009|5.0
Misc : 339699 8270D RE
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jul 15 10:02:11 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jul 05 09:32:54 2019
Response via : Initial Calibration







TIC: DS891.D\data.ms

(41) Benzoic Acid (TM)

5.545min (+ 0.028) 37.94 ppm

response 92915

Ion	Exp%	Act%
104.95	100.00	100.00
121.95	75.00	0.03#
77.05	84.70	916.76#
0.00	0.00	0.00

Manual Integration:

Before

07/15/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\071219\
Data File : DS891.D
Acq On : 12 Jul 2019 4:37 pm
Operator : JMisiurewicz
Sample : R1905417-009|5.0
Misc : 339699 8270D RE
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jul 15 10:02:11 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jul 05 09:32:54 2019
Response via : Initial Calibration

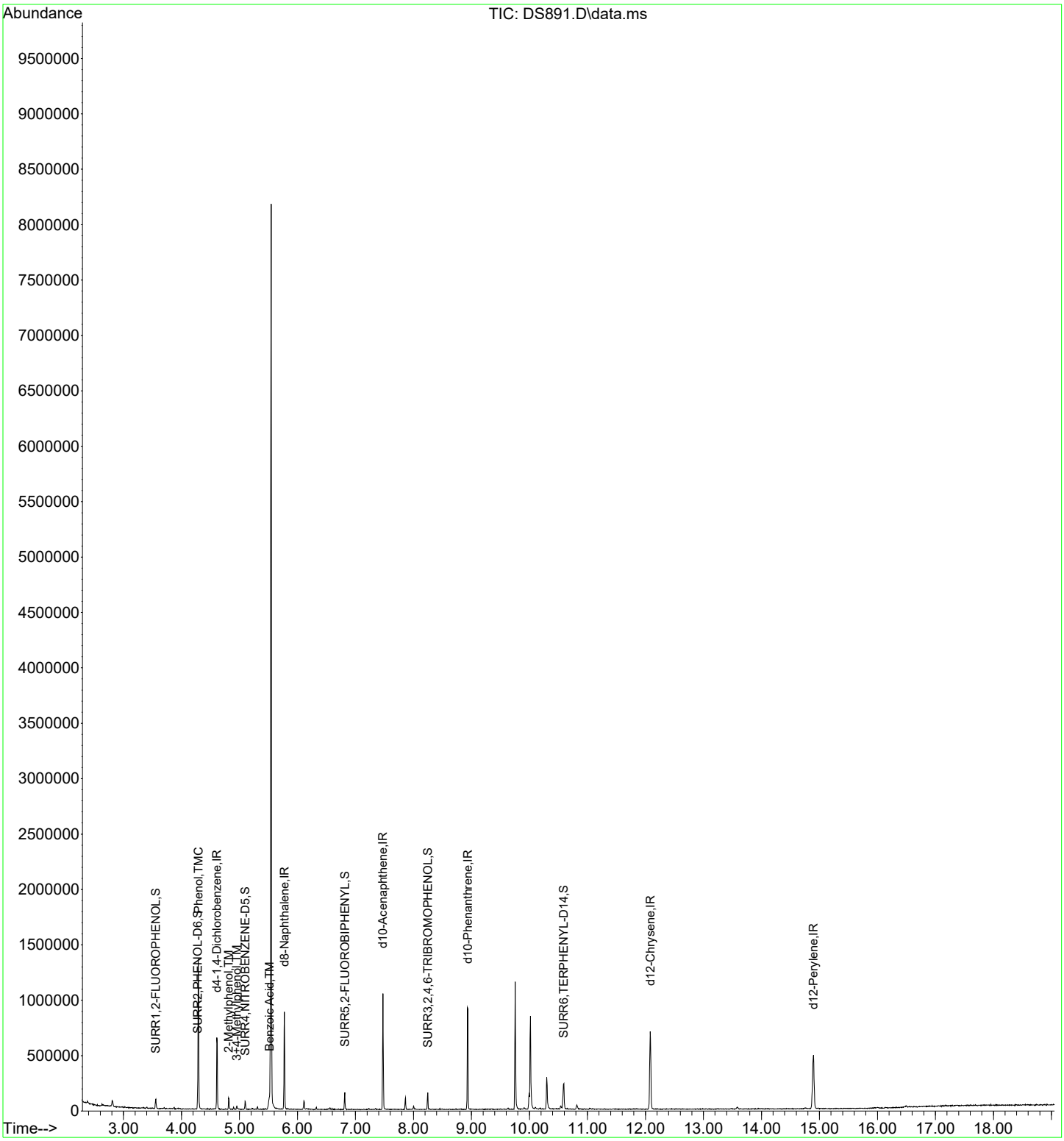
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.610	152	92297	40.00	ppm	-0.01
33) d8-Naphthalene	5.775	136	340593	40.00	ppm	0.00
57) d10-Acenaphthene	7.473	164	179148	40.00	ppm	0.00
91) d10-Phenanthrene	8.937	188	318416	40.00	ppm	0.00
117) d12-Chrysene	12.082	240	325507	40.00	ppm	-0.01
135) d12-Perylene	14.897	264	320415	40.00	ppm	0.00
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.558	112	21776	6.79	ppm	0.00
Spiked Amount 100.000	Range 10 - 70		Recovery = 6.79%#			
12) SURR2,PHENOL-D6	4.279	99	18292	4.65	ppm	0.00
Spiked Amount 100.000	Range 10 - 107		Recovery = 4.65%#			
34) SURR4,NITROBENZENE-D5	5.096	82	23454	6.08	ppm	-0.01
Spiked Amount 50.000	Range 31 - 110		Recovery = 12.16%#			
63) SURR5,2-FLUOROBIPHENYL	6.816	172	40964	6.43	ppm	0.00
Spiked Amount 50.000	Range 31 - 118		Recovery = 12.86%#			
88) SURR3,2,4,6-TRIBROMOPH...	8.248	330	16631	13.88	ppm	0.00
Spiked Amount 100.000	Range 35 - 141		Recovery = 13.88%#			
124) SURR6,TERPHENYL-D14	10.592	244	55890	7.85	ppm	-0.01
Spiked Amount 50.000	Range 10 - 165		Recovery = 15.70%			
Target Compounds						Qvalue
13) Phenol	4.290	94	371591	94.981	ppm	97
23) 2-Methylphenol	4.813	108	16869	5.891	ppm	92
24) 3+4-Methylphenol	4.952	108	5040	1.573	ppm #	72
41) Benzoic Acid	5.518	105	39941m	16.309	ppm	

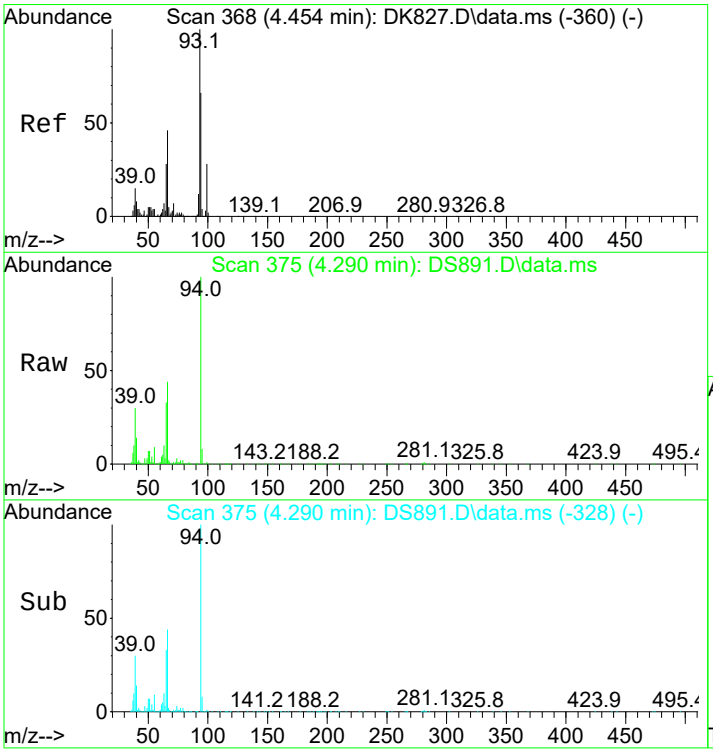
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\071219\
Data File : DS891.D
Acq On : 12 Jul 2019 4:37 pm
Operator : JMisiurewicz
Sample : R1905417-009|5.0
Misc : 339699 8270D RE
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jul 15 10:02:11 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jul 05 09:32:54 2019
Response via : Initial Calibration

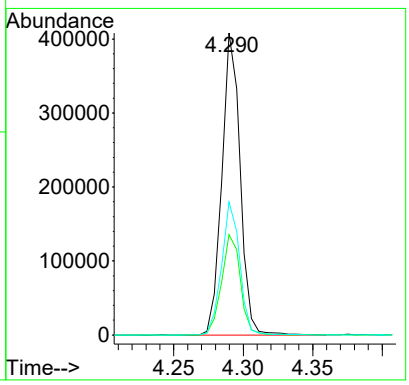


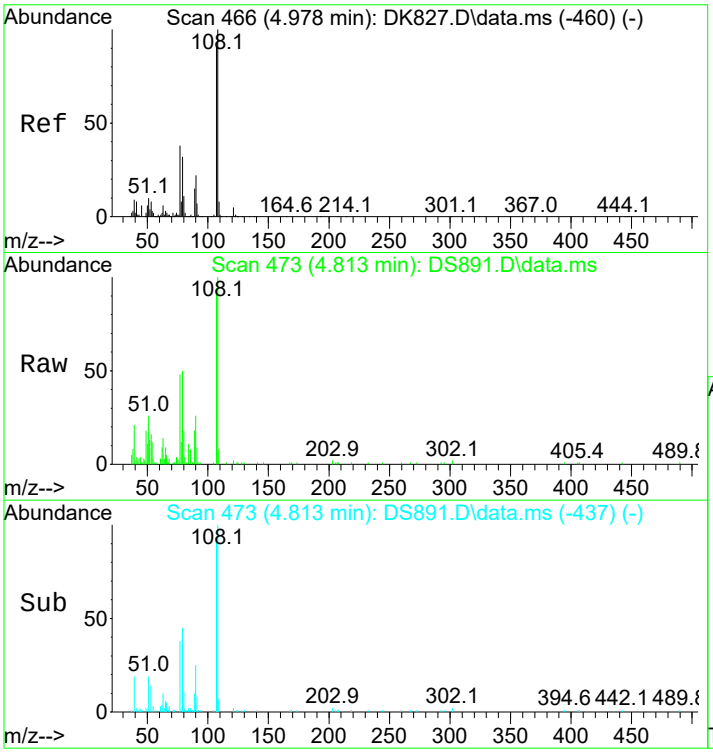


#13
Phenol
Concen: 94.98 ppm
RT: 4.290 min Scan# 375
Delta R.T. -0.001 min
Lab File: DS891.D
Acq: 12 Jul 2019 4:37 pm

Tgt Ion: 94 Resp: 371591

Ion	Ratio	Lower	Upper
94	100		
65	33.3	3.9	63.9
66	44.0	16.9	76.9

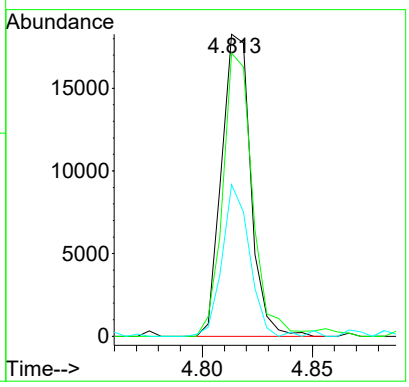


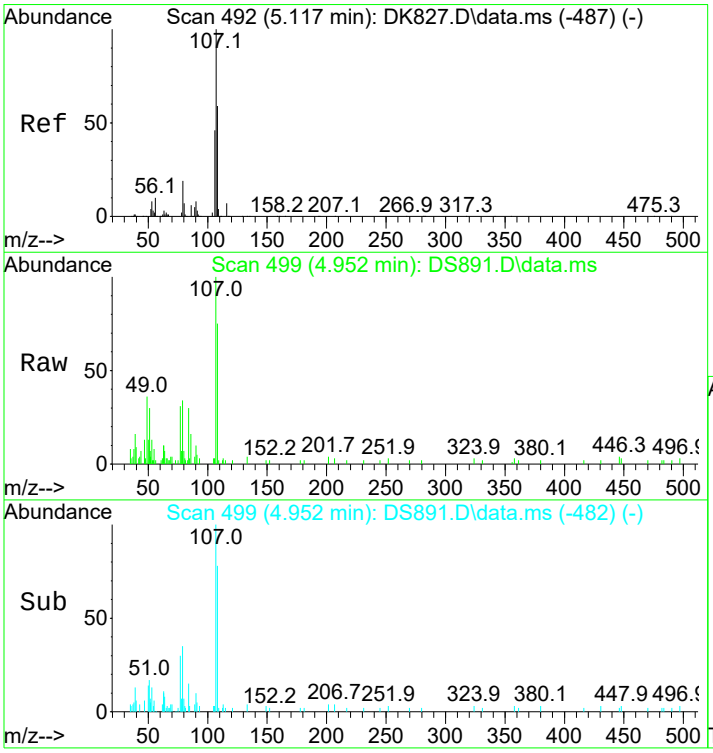


#23
2-Methylphenol
Concen: 5.89 ppm
RT: 4.813 min Scan# 473
Delta R.T. -0.006 min
Lab File: DS891.D
Acq: 12 Jul 2019 4:37 pm

Tgt Ion:108 Resp: 16869

Ion	Ratio	Lower	Upper
108	100		
107	92.5	55.9	115.9
79	50.2	14.5	74.5

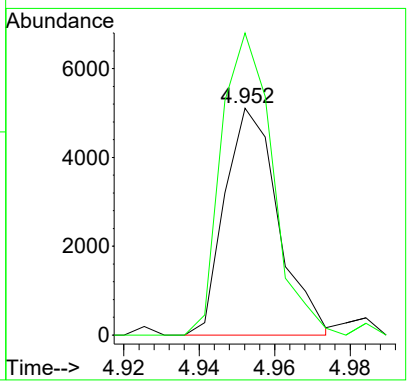


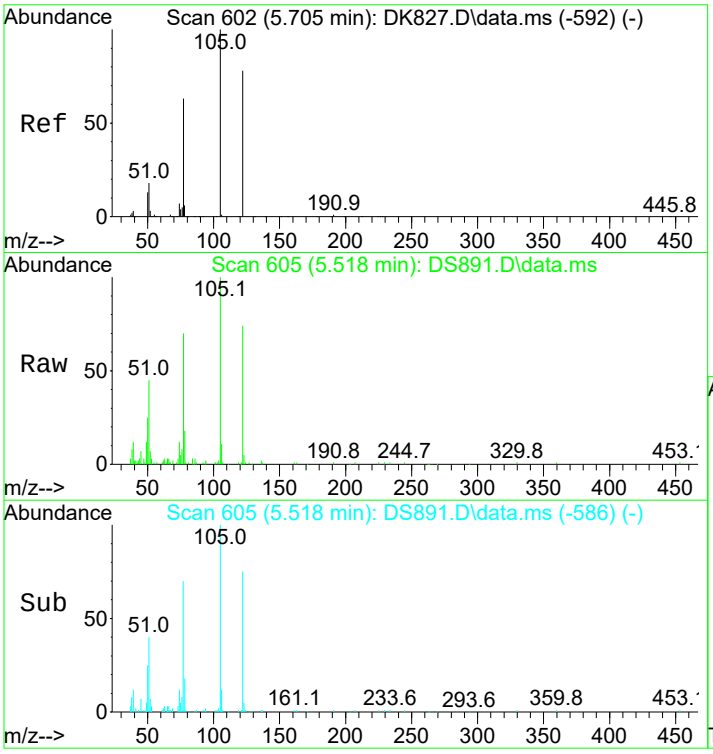


#24
3+4-Methylphenol
Concen: 1.57 ppm
RT: 4.952 min Scan# 499
Delta R.T. -0.008 min
Lab File: DS891.D
Acq: 12 Jul 2019 4:37 pm

Tgt Ion:108 Resp: 5040

Ion	Ratio	Lower	Upper
108	100		
107	132.2	83.7	123.7#

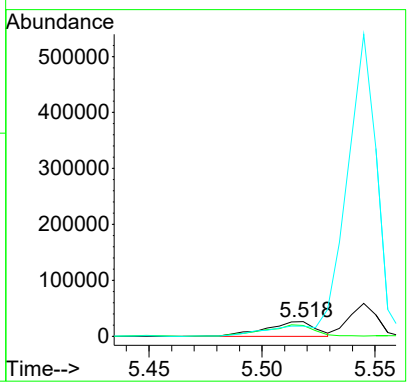




#41
Benzoic Acid
Concen: 16.31 ppm m
RT: 5.518 min Scan# 605
Delta R.T. 0.001 min
Lab File: DS891.D
Acq: 12 Jul 2019 4:37 pm

Tgt Ion:105 Resp: 39941

Ion	Ratio	Lower	Upper
105	100		
122	74.2	40.0	110.0
77	69.8	49.7	119.7



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\061819\
Data File : DS491.D
Acq On : 18 Jun 2019 9:15 pm
Operator : JMisiurewicz
Sample : R1905417-011
Misc : 338744 8270D
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 19 11:09:08 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 14 09:13:59 2019
Response via : Initial Calibration

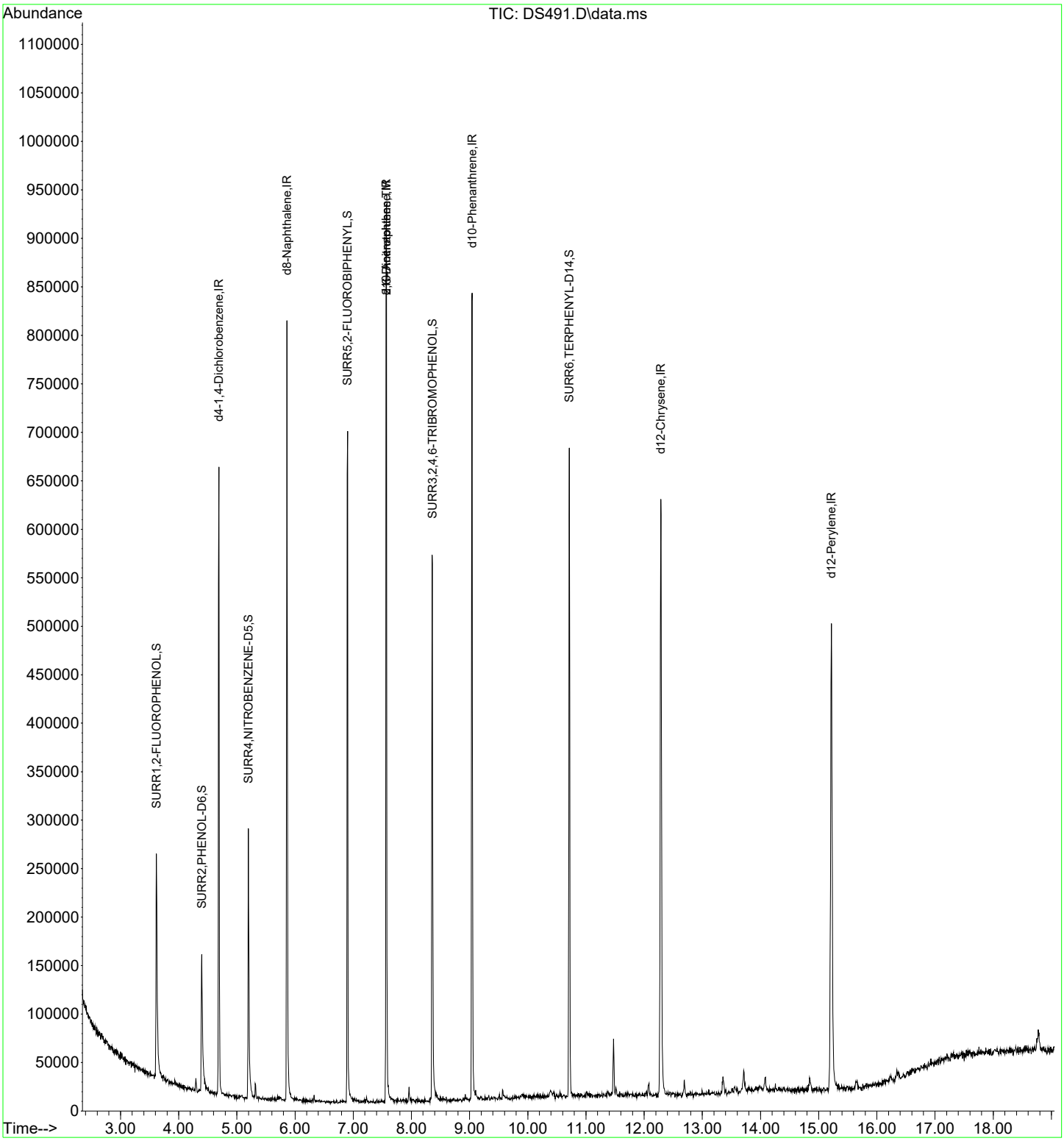
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.691	152	109706	40.00	ppm	-0.04
24) d8-Naphthalene	5.861	136	395442	40.00	ppm	-0.04
42) d10-Acenaphthene	7.564	164	202145	40.00	ppm	-0.05
69) d10-Phenanthrene	9.044	188	334684	40.00	ppm	-0.04
82) d12-Chrysene	12.286	240	325537	40.00	ppm	-0.07
91) d12-Perylene	15.218	264	317518	40.00	ppm	-0.08
System Monitoring Compounds						
4) SURR1,2-FLUOROPHENOL	3.617	112	105486	26.44	ppm	-0.05
Spiked Amount 100.000	Range 10 - 70		Recovery = 26.44%			
8) SURR2,PHENOL-D6	4.397	99	80321	16.38	ppm	-0.03
Spiked Amount 100.000	Range 10 - 107		Recovery = 16.38%			
25) SURR4,NITROBENZENE-D5	5.198	82	118129	29.44	ppm	-0.04
Spiked Amount 50.000	Range 31 - 110		Recovery = 58.88%			
48) SURR5,2-FLUOROBIPHENYL	6.902	172	232695	30.27	ppm	-0.04
Spiked Amount 50.000	Range 31 - 118		Recovery = 60.54%			
67) SURR3,2,4,6-TRIBROMOPH...	8.360	330	80318	97.03	ppm	-0.04
Spiked Amount 100.000	Range 35 - 141		Recovery = 97.03%			
85) SURR6,TERPHENYL-D14	10.716	244	231609	30.20	ppm	-0.05
Spiked Amount 50.000	Range 10 - 165		Recovery = 60.40%			
Target Compounds						Qvalue
54) 2,6-Dinitrotoluene	7.570	165	25889	15.069	ppm	# 27

(#) = qualifier out of range (m) = manual integration (+) = signals summed

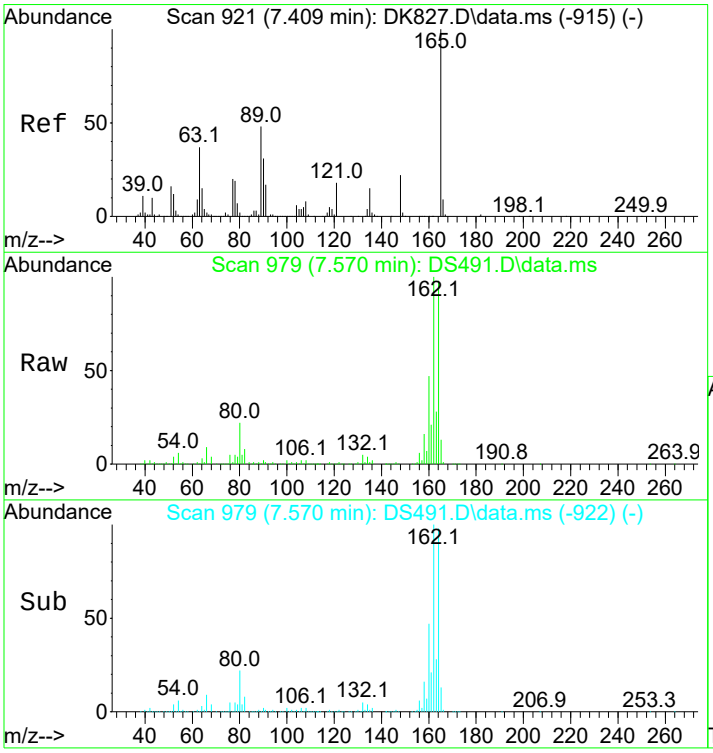
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\061819\
Data File : DS491.D
Acq On : 18 Jun 2019 9:15 pm
Operator : JMisiurewicz
Sample : R1905417-011
Misc : 338744 8270D
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 19 11:09:08 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 14 09:13:59 2019
Response via : Initial Calibration



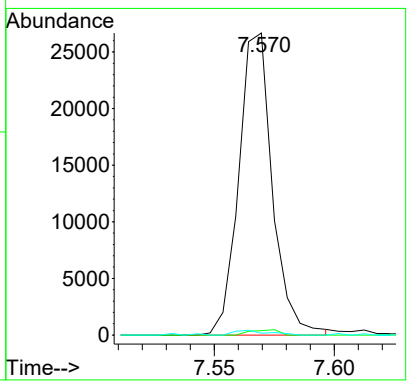
1st 06/19/19
2nd 06/19/19



#54
2,6-Dinitrotoluene
Concen: 15.07 ppm
RT: 7.570 min Scan# 979
Delta R.T. 0.154 min
Lab File: DS491.D
Acq: 18 Jun 2019 9:15 pm

Tgt Ion:165 Resp: 25889

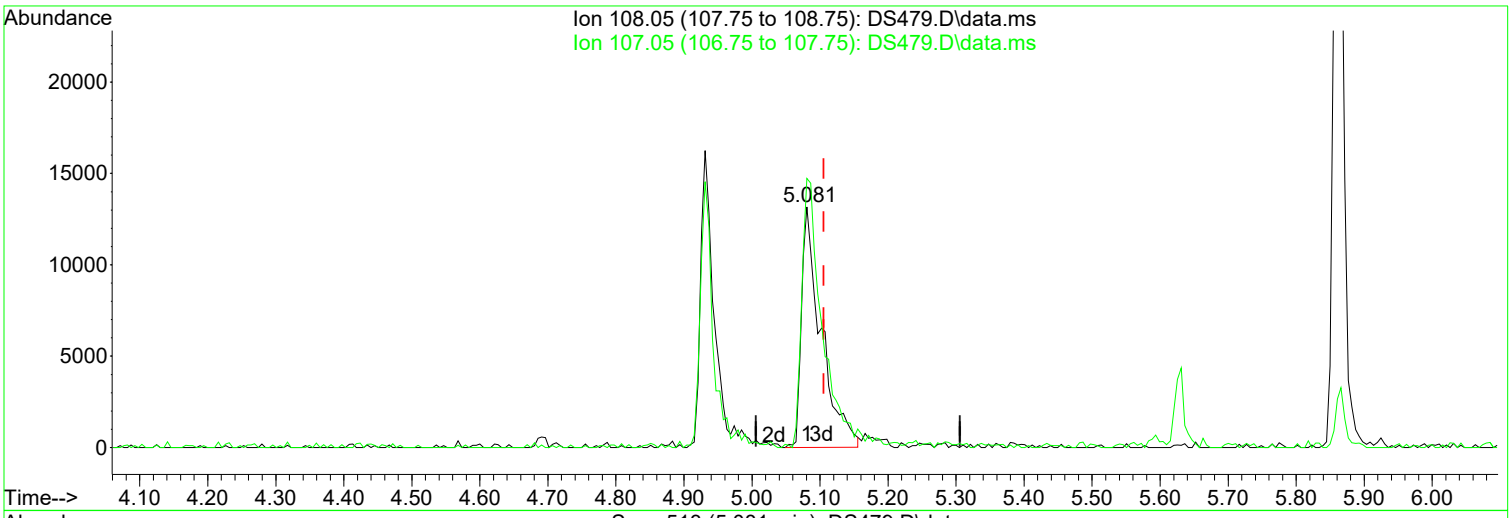
Ion	Ratio	Lower	Upper
165	100		
89	1.4	35.8	75.8#
63	0.2	17.9	77.9#

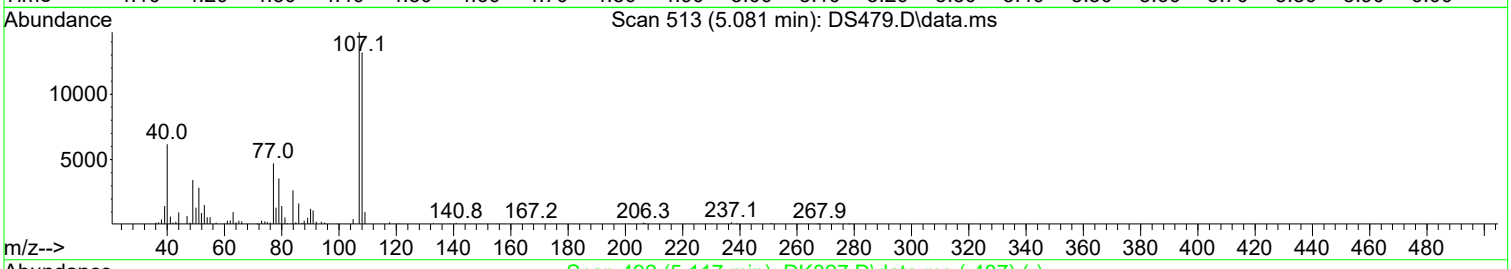


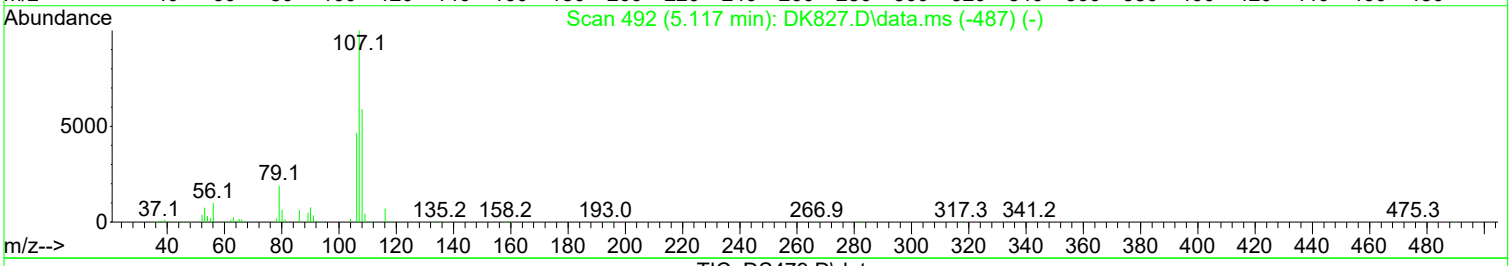
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\061819\
Data File : DS479.D
Acq On : 18 Jun 2019 3:31 pm
Operator : JMisiurewicz
Sample : RQ1905921-01
Misc : 338744 8270D/625 BLK
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 19 11:08:23 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 14 09:13:59 2019
Response via : Initial Calibration







TIC: DS479.D\data.ms

(19) 3+4-Methylphenol (TM)

5.081min (-0.025) 5.78 ppm m

response 26351

Ion	Exp%	Act%
108.05	100.00	100.00
107.05	114.10	111.72
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

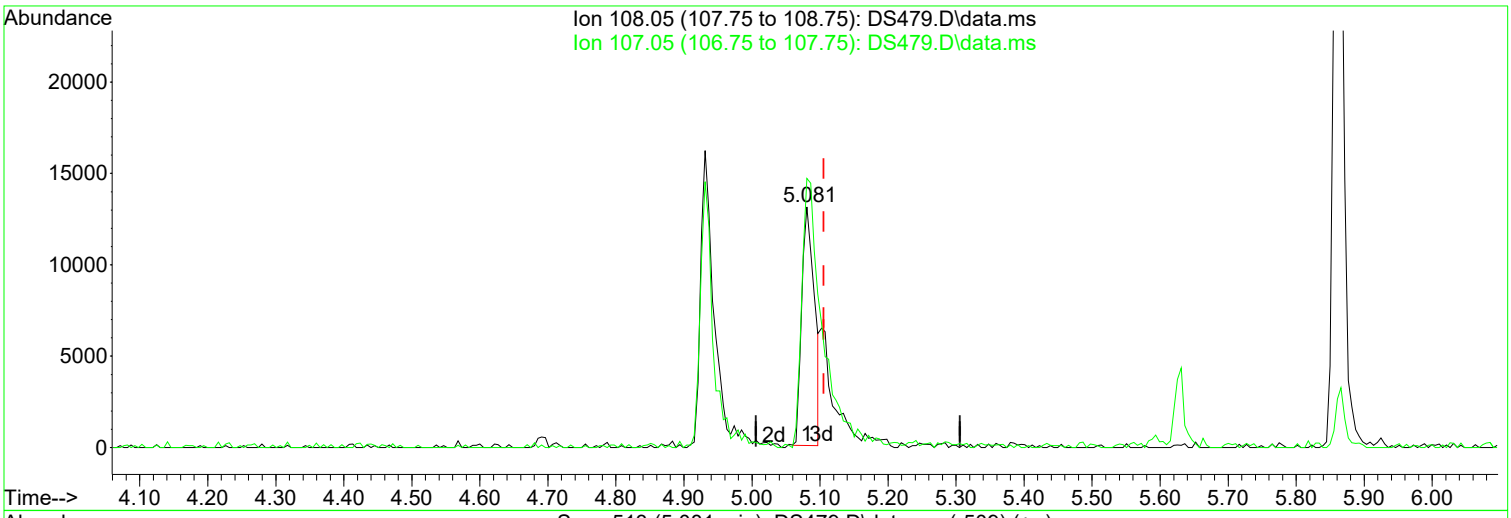
Poor integration.

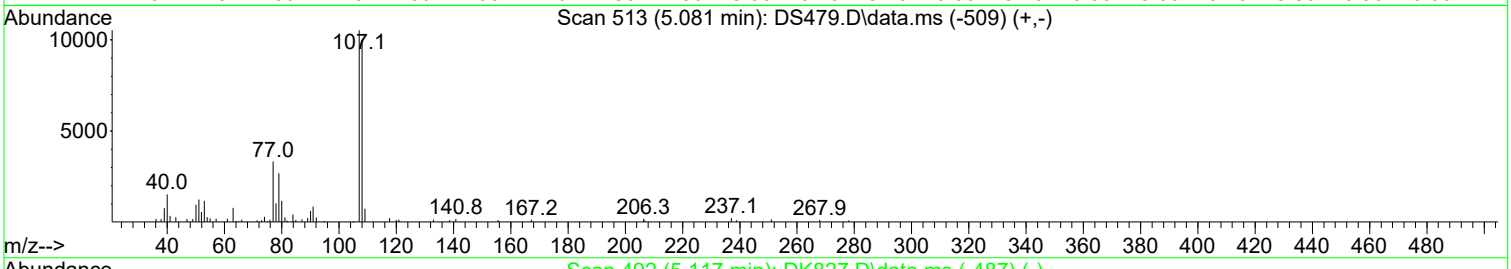
06/19/19

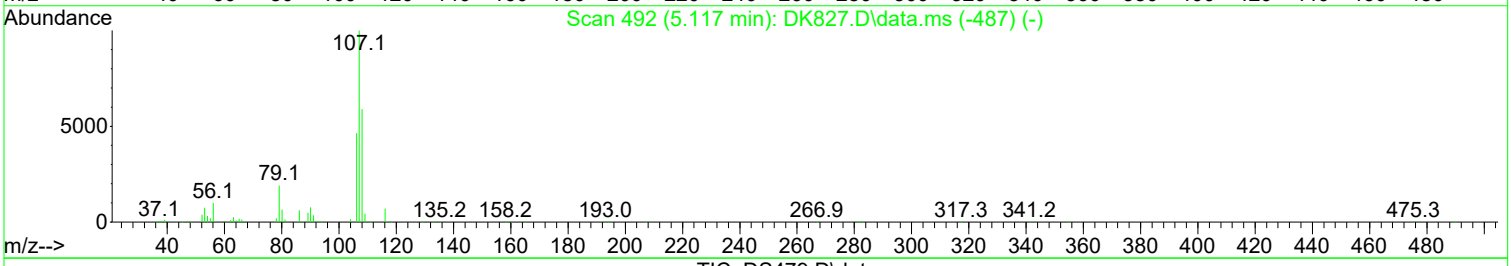
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\061819\
Data File : DS479.D
Acq On : 18 Jun 2019 3:31 pm
Operator : JMisiurewicz
Sample : RQ1905921-01
Misc : 338744 8270D/625 BLK
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 19 11:08:23 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 14 09:13:59 2019
Response via : Initial Calibration







TIC: DS479.D\data.ms

(19) 3+4-Methylphenol (TM)

5.081min (-0.025) 3.75 ppm

response 17085

Ion	Exp%	Act%
108.05	100.00	100.00
107.05	114.10	105.32
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

06/19/19

1st JM 06/19/19
2nd MP 06/19/19

Data Path : I:\ACQUDATA\5973A\DATA\061819\
Data File : DS479.D
Acq On : 18 Jun 2019 3:31 pm
Operator : JMisiurewicz
Sample : RQ1905921-01
Misc : 338744 8270D/625 BLK
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 19 11:08:23 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 14 09:13:59 2019
Response via : Initial Calibration

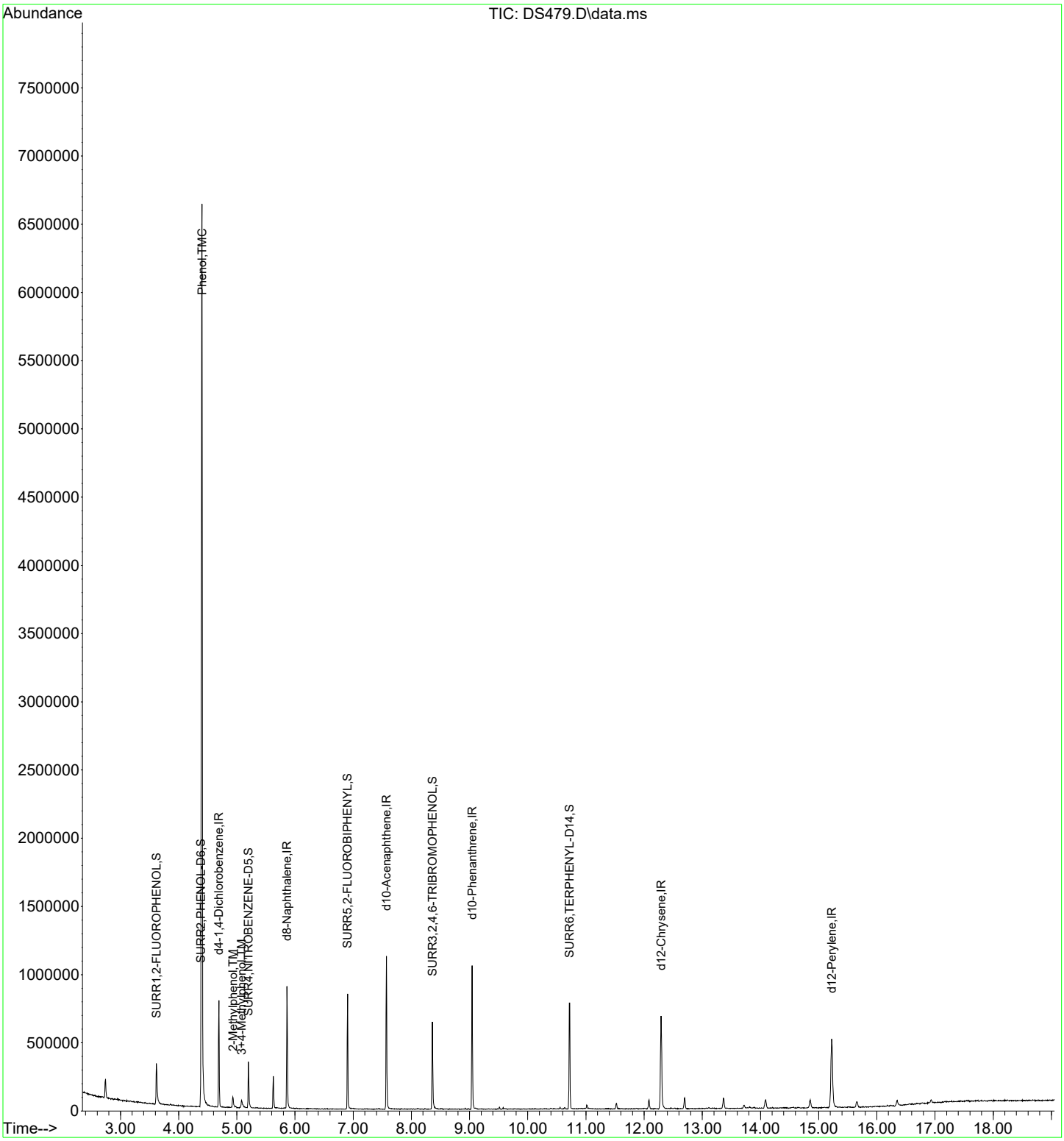
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.691	152	116974	40.00	ppm	-0.04
24) d8-Naphthalene	5.861	136	434923	40.00	ppm	-0.04
42) d10-Acenaphthene	7.570	164	220651	40.00	ppm	-0.04
69) d10-Phenanthrene	9.044	188	363724	40.00	ppm	-0.04
82) d12-Chrysene	12.291	240	345001	40.00	ppm	-0.06
91) d12-Perylene	15.223	264	353265	40.00	ppm	-0.07
System Monitoring Compounds						
4) SURR1,2-FLUOROPHENOL	3.617	112	124764	29.32	ppm	-0.05
Spiked Amount 100.000	Range 10 - 70		Recovery = 29.32%			
8) SURR2,PHENOL-D6	4.381	99	106857	20.44	ppm	-0.05
Spiked Amount 100.000	Range 10 - 107		Recovery = 20.44%			
25) SURR4,NITROBENZENE-D5	5.198	82	125072	28.34	ppm	-0.04
Spiked Amount 50.000	Range 31 - 110		Recovery = 56.68%			
48) SURR5,2-FLUOROBIPHENYL	6.902	172	241291	28.76	ppm	-0.04
Spiked Amount 50.000	Range 31 - 118		Recovery = 57.52%			
67) SURR3,2,4,6-TRIBROMOPH...	8.360	330	83017	91.88	ppm	-0.04
Spiked Amount 100.000	Range 35 - 141		Recovery = 91.88%			
85) SURR6,TERPHENYL-D14	10.721	244	280314	34.49	ppm	-0.05
Spiked Amount 50.000	Range 10 - 165		Recovery = 68.98%			
Target Compounds						Qvalue
9) Phenol	4.402	94	2841710	497.087	ppm	97
18) 2-Methylphenol	4.931	108	21521	5.341	ppm	93
19) 3+4-Methylphenol	5.081	108	26351m	5.780	ppm	

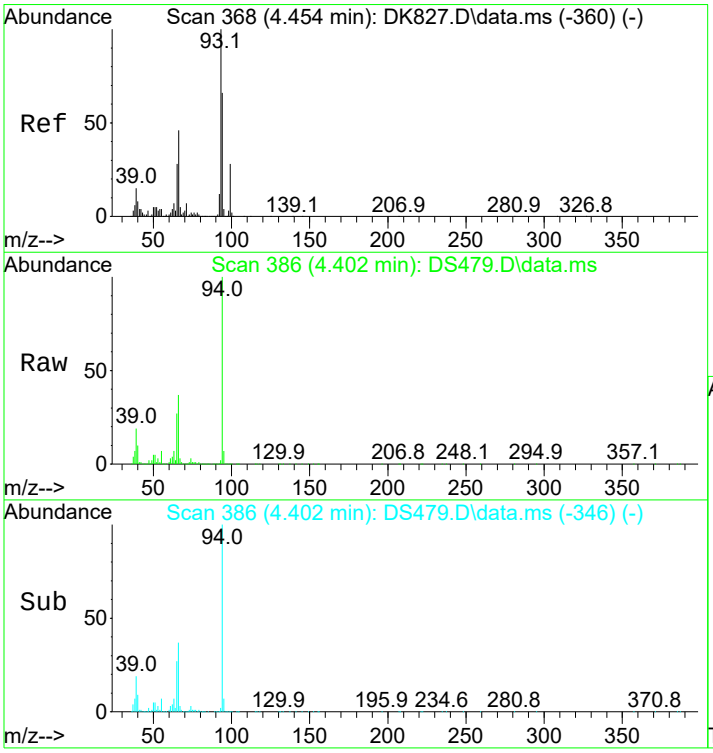
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\061819\
Data File : DS479.D
Acq On : 18 Jun 2019 3:31 pm
Operator : JMisiurewicz
Sample : RQ1905921-01
Misc : 338744 8270D/625 BLK
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 19 11:08:23 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 14 09:13:59 2019
Response via : Initial Calibration

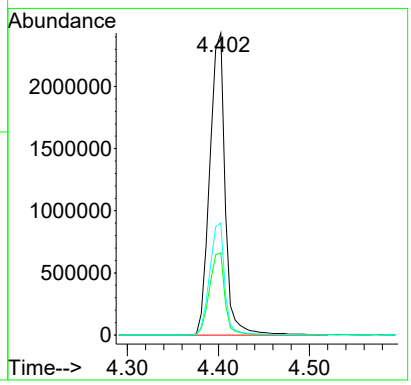


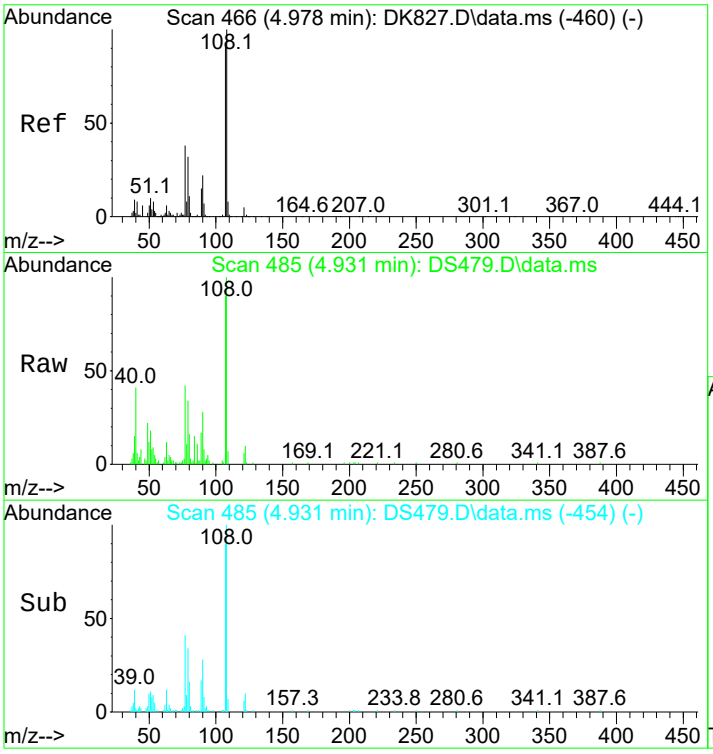


#9
Phenol
Concen: 497.09 ppm
RT: 4.402 min Scan# 386
Delta R.T. -0.035 min
Lab File: DS479.D
Acq: 18 Jun 2019 3:31 pm

Tgt Ion: 94 Resp: 2841710

Ion	Ratio	Lower	Upper
94	100		
65	27.2	0.0	57.1
66	37.0	4.1	64.1

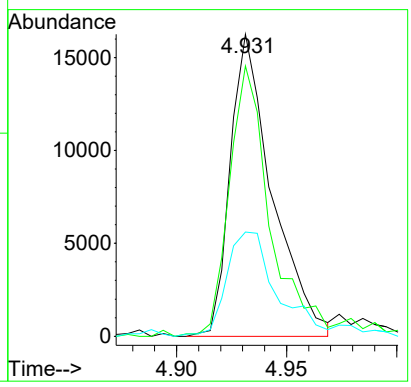


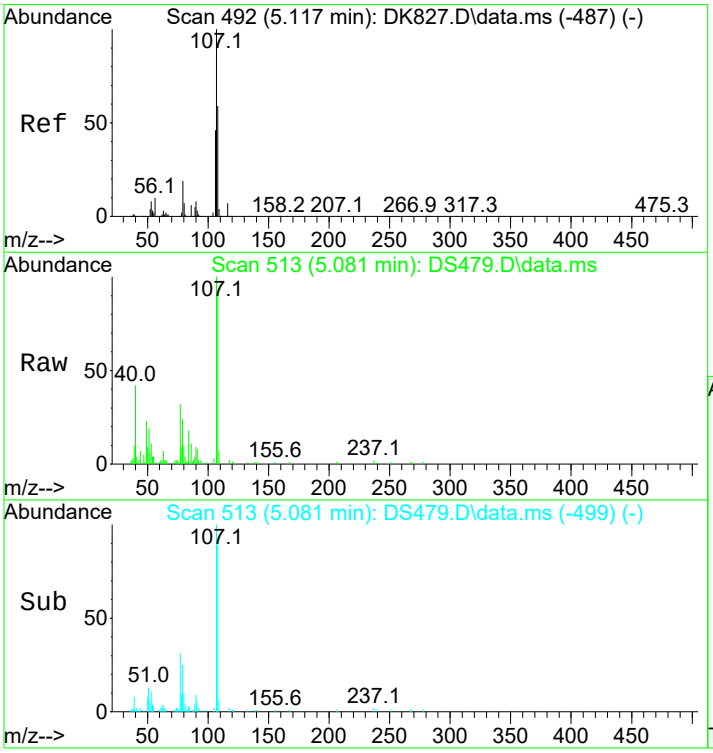


#18
2-Methylphenol
Concen: 5.34 ppm
RT: 4.931 min Scan# 485
Delta R.T. -0.036 min
Lab File: DS479.D
Acq: 18 Jun 2019 3:31 pm

Tgt Ion:108 Resp: 21521

Ion	Ratio	Lower	Upper
108	100		
107	89.7	55.9	115.9
79	33.8	12.4	72.4

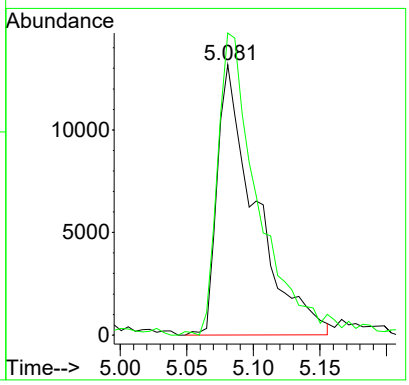




#19
3+4-Methylphenol
Concen: 5.78 ppm m
RT: 5.081 min Scan# 513
Delta R.T. -0.025 min
Lab File: DS479.D
Acq: 18 Jun 2019 3:31 pm

Tgt Ion:108 Resp: 26351

Ion	Ratio	Lower	Upper
108	100		
107	111.7	94.1	134.1



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\062419\
Data File : DS644.D
Acq On : 24 Jun 2019 6:29 pm
Operator : JMisiurewicz
Sample : RQ1906197-01
Misc : 339142 8270D BLK
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 26 10:42:33 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jun 26 10:42:04 2019
Response via : Initial Calibration

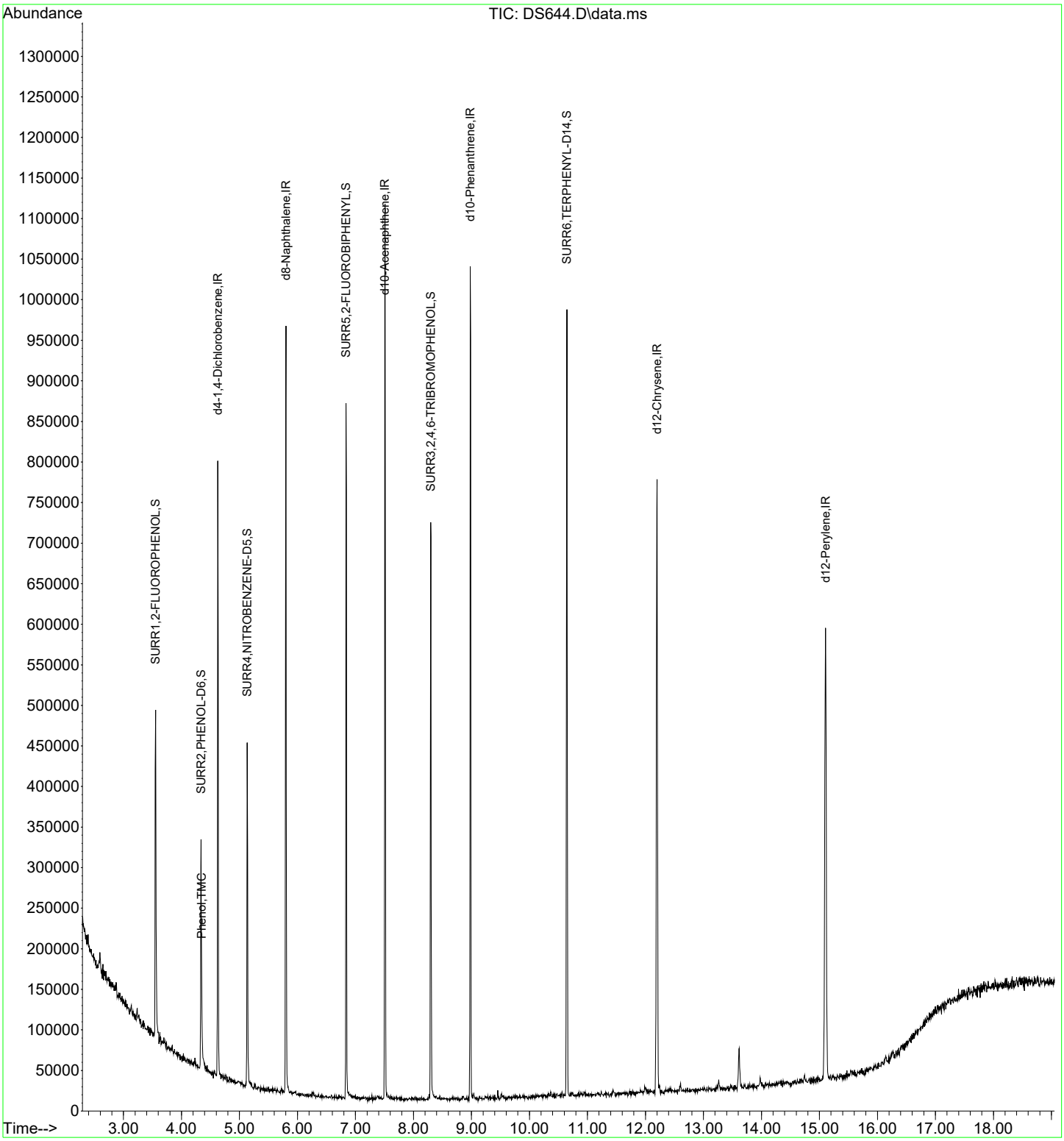
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.626	152	106173	40.00	ppm	0.00
33) d8-Naphthalene	5.801	136	410612	40.00	ppm	0.00
57) d10-Acenaphthene	7.505	164	215250	40.00	ppm	0.00
91) d10-Phenanthrene	8.979	188	339637	40.00	ppm	0.00
117) d12-Chrysene	12.200	240	340914	40.00	ppm	-0.01
135) d12-Perylene	15.105	264	345190	40.00	ppm	-0.01
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.553	112	140926	36.49	ppm	0.00
Spiked Amount 100.000	Range 10 - 70		Recovery = 36.49%			
12) SURR2,PHENOL-D6	4.338	99	113044	23.83	ppm	0.00
Spiked Amount 100.000	Range 10 - 107		Recovery = 23.83%			
34) SURR4,NITROBENZENE-D5	5.134	82	133174	31.96	ppm	0.00
Spiked Amount 50.000	Range 31 - 110		Recovery = 63.92%			
63) SURR5,2-FLUOROBIPHENYL	6.838	172	245997	30.05	ppm	0.00
Spiked Amount 50.000	Range 31 - 118		Recovery = 60.10%			
88) SURR3,2,4,6-TRIBROMOPH...	8.301	330	82889	94.04	ppm	0.00
Spiked Amount 100.000	Range 35 - 141		Recovery = 94.04%			
124) SURR6,TERPHENYL-D14	10.646	244	304594	37.93	ppm	0.00
Spiked Amount 50.000	Range 10 - 165		Recovery = 75.86%			
Target Compounds						Qvalue
13) Phenol	4.349	94	5809	1.120	ppm	66

(#) = qualifier out of range (m) = manual integration (+) = signals summed

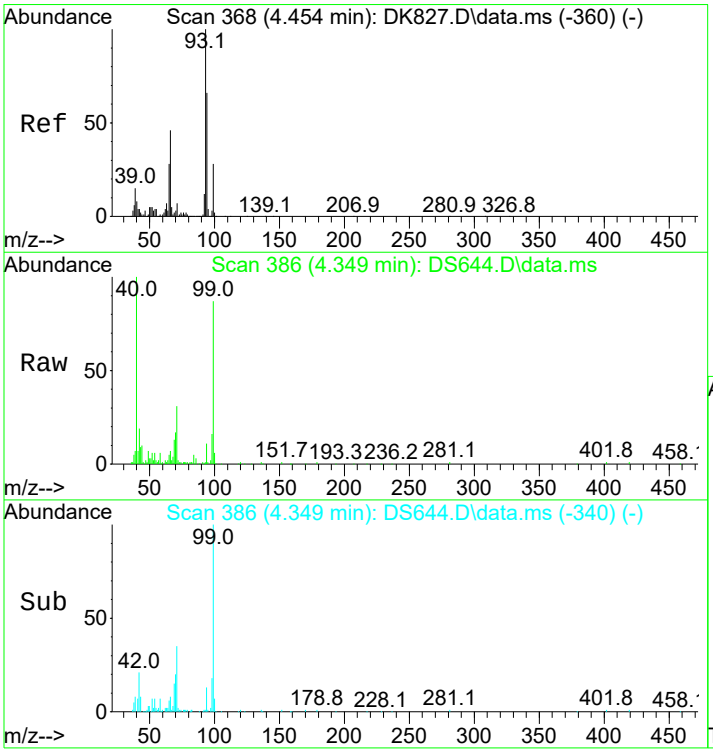
1st DM 06/26/19
2nd BA 06/26/19

Data Path : I:\ACQUDATA\5973A\DATA\062419\
Data File : DS644.D
Acq On : 24 Jun 2019 6:29 pm
Operator : JMisiurewicz
Sample : RQ1906197-01
Misc : 339142 8270D BLK
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 26 10:42:33 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jun 26 10:42:04 2019
Response via : Initial Calibration



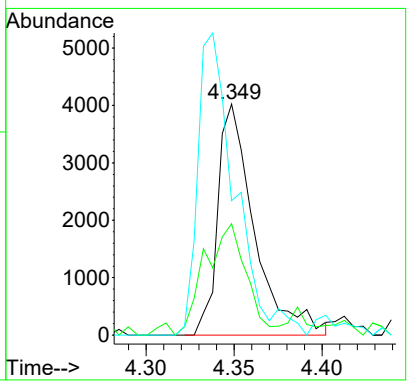
1st DM 06/26/19
2nd BA 06/26/19



#13
Phenol
Concen: 1.12 ppm
RT: 4.349 min Scan# 386
Delta R.T. -0.002 min
Lab File: DS644.D
Acq: 24 Jun 2019 6:29 pm

Tgt Ion: 94 Resp: 5809

Ion	Ratio	Lower	Upper
94	100		
65	45.5	0.0	57.1
66	53.4	4.1	64.1



LSC Area Percent Report

Data Path : I:\ACQUDATA\5973D\Data\062819\
Data File : BS218.D
Acq On : 29 Jun 2019 1:29 am
Operator : J.Misiurewicz
Sample : RQ1906197-01
Misc : 339142 8270D BLK
ALS Vial : 32 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 25000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\ACQUDATA\5973D\Methods\8270062719DS.M
Title : 8270 BNA ANALYSIS

Signal : TIC: BS218.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.838	100	104	109	rVB	70549	80820	2.52%	0.311%
2	3.036	138	141	144	rVB3	39334	31596	0.98%	0.122%
3	3.255	179	182	185	rBV5	26447	25130	0.78%	0.097%
4	3.383	203	206	208	rBV	33150	34557	1.08%	0.133%
5	3.629	247	252	259	rBV	1467019	1380463	42.97%	5.317%
6	4.330	379	383	385	rBV	394180	329717	10.26%	1.270%
7	4.351	385	387	393	rVB	1014286	928043	28.89%	3.574%
8	4.688	446	450	455	rBV	2058904	1908143	59.40%	7.349%
9	5.180	538	542	554	rBV	1132698	1039930	32.37%	4.005%
10	5.346	570	573	577	rBV	172248	134640	4.19%	0.519%
11	5.854	663	668	681	rVB	2869419	2603246	81.03%	10.026%
12	6.892	858	862	873	rBV	2679799	2151760	66.98%	8.287%
13	7.384	950	954	961	rBV7	17529	25793	0.80%	0.099%
14	7.555	981	986	997	rBV	3547580	3212588	100.00%	12.373%
15	8.331	1127	1131	1140	rBV	1677153	1433288	44.61%	5.520%
16	9.021	1255	1260	1267	rBV	2596592	2295171	71.44%	8.839%
17	10.695	1568	1573	1586	rVB	2587094	2692495	83.81%	10.370%
18	12.235	1853	1861	1874	rBV2	1812578	2595213	80.78%	9.995%
19	12.717	1947	1951	1957	rVB8	18932	30175	0.94%	0.116%
20	13.396	2073	2078	2082	rBV4	16727	28153	0.88%	0.108%
21	13.722	2133	2139	2150	rBV2	119157	189170	5.89%	0.729%
22	15.124	2390	2401	2420	rBV	1431199	2815125	87.63%	10.842%

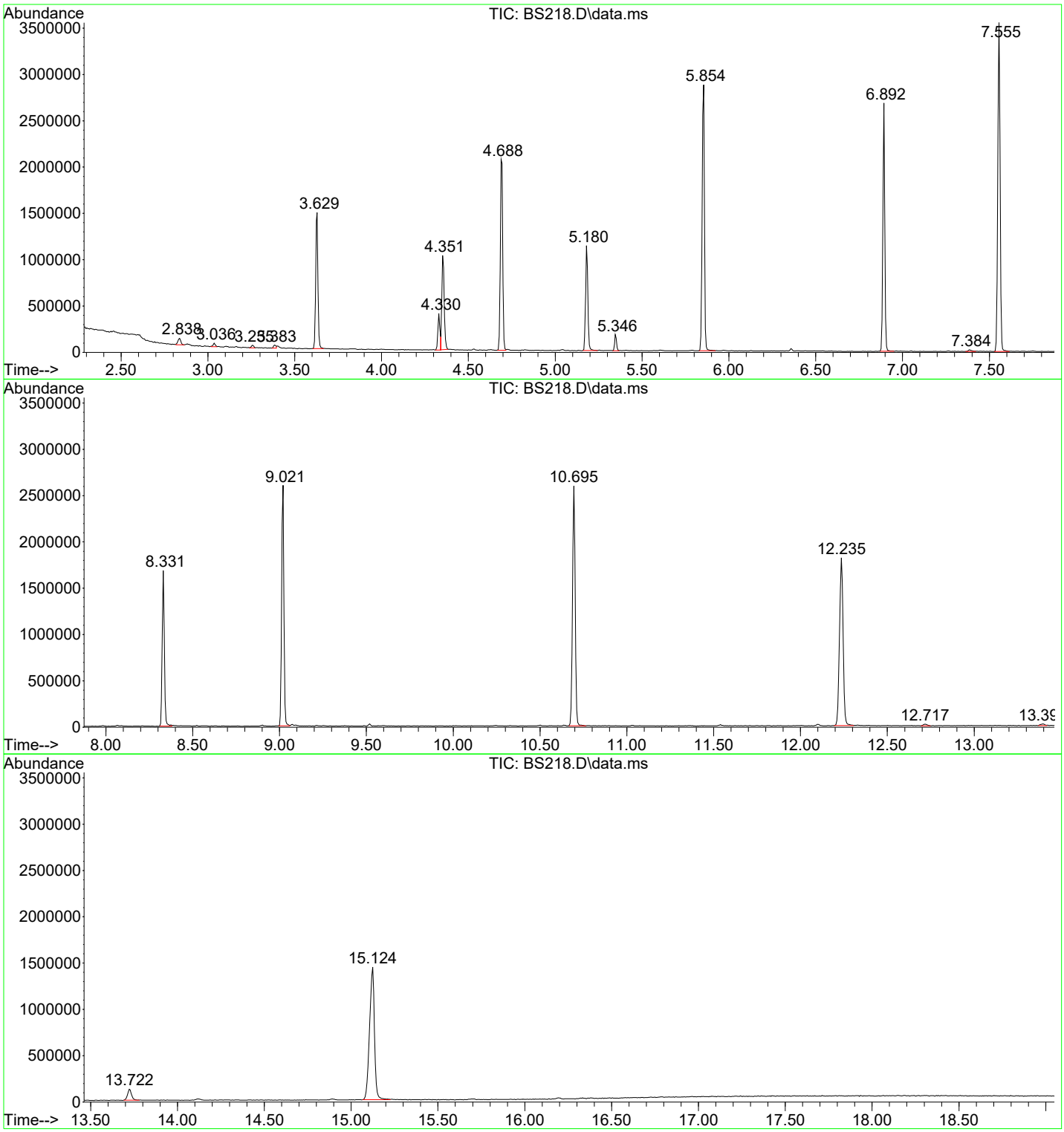
Sum of corrected areas: 25965216

LSC Report - Integrated Chromatogram

Data Path : I:\ACQUDATA\5973D\Data\062819\
Data File : BS218.D
Acq On : 29 Jun 2019 1:29 am
Operator : J.Misiurewicz
Sample : RQ1906197-01
Misc : 339142 8270D BLK
ALS Vial : 32 Sample Multiplier: 1

Quant Method : I:\ACQUDATA\5973D\Methods\8270062719DS.M
Quant Title : 8270 BNA ANALYSIS

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: TEBINT.P



Library Search Compound Report

Data Path : I:\ACQUDATA\5973D\Data\062819\
Data File : BS218.D
Acq On : 29 Jun 2019 1:29 am
Operator : J.Misiurewicz
Sample : RQ1906197-01
Misc : 339142 8270D BLK
ALS Vial : 32 Sample Multiplier: 1

Quant Method : I:\ACQUDATA\5973D\Methods\8270062719DS.M
Quant Title : 8270 BNA ANALYSIS

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: TEBINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : I:\ACQUDATA\5973D\Data\062819\
Data File : BS218.D
Acq On : 29 Jun 2019 1:29 am
Operator : J.Misiurewicz
Sample : RQ1906197-01
Misc : 339142 8270D BLK
ALS Vial : 32 Sample Multiplier: 1

Quant Method : I:\ACQUDATA\5973D\Methods\8270062719DS.M
Quant Title : 8270 BNA ANALYSIS

TIC Library : C:\Database\NIST08.L
TIC Integration Parameters: TEBINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

1st DM 07/01/19
2nd MP 07/02/19

Data Path : I:\ACQUDATA\5973D\Data\062819\
Data File : BS218.D
Acq On : 29 Jun 2019 1:29 am
Operator : J.Misiurewicz
Sample : RQ1906197-01
Misc : 339142 8270D BLK
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Jul 01 14:28:44 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719DS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 10:37:35 2019
Response via : Initial Calibration

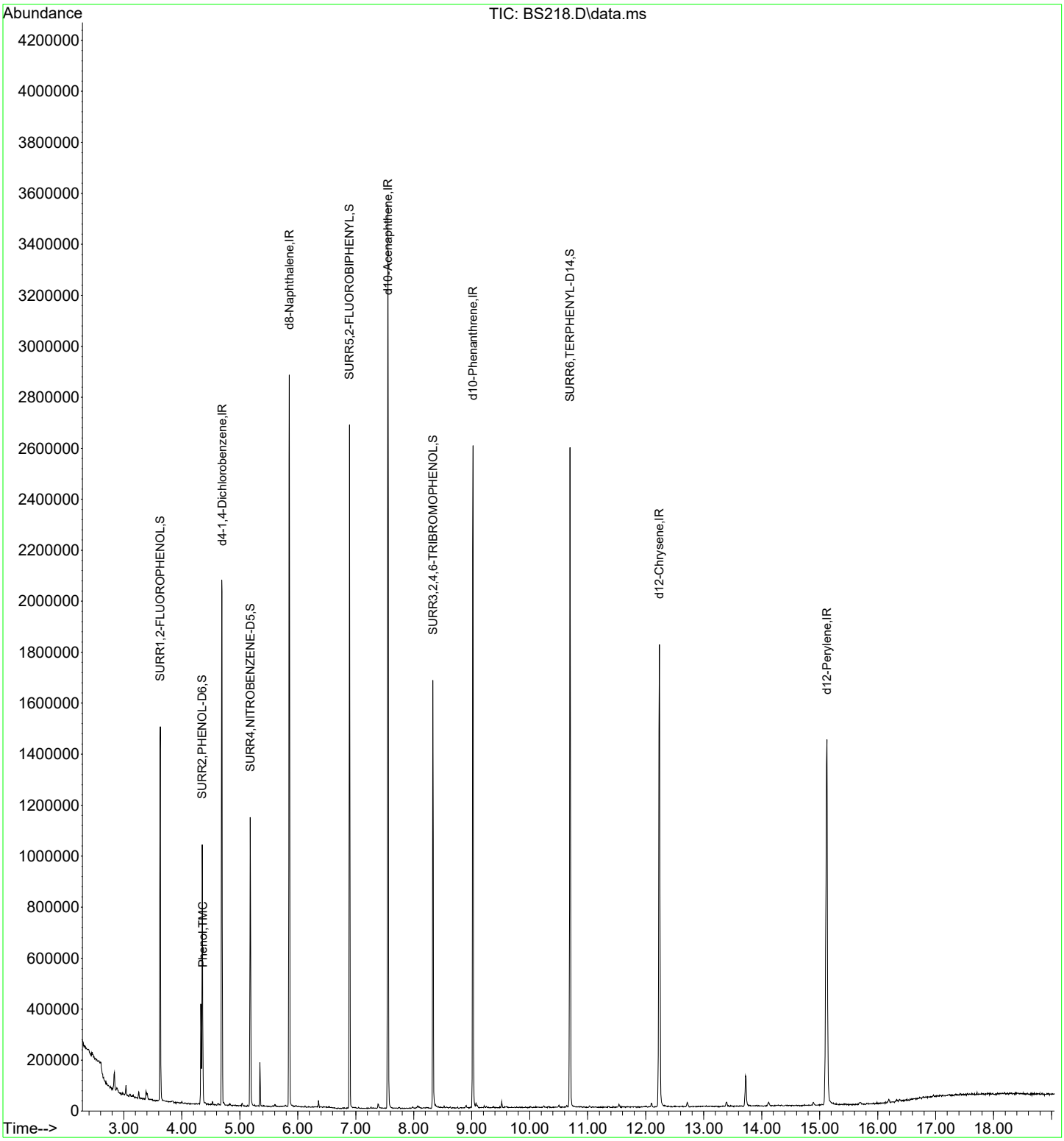
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.694	152	345576	40.00	ppm	0.00
24) d8-Naphthalene	5.854	136	1320069	40.00	ppm	0.00
42) d10-Acenaphthene	7.555	164	699696	40.00	ppm	0.00
69) d10-Phenanthrene	9.021	188	865441	40.00	ppm	0.00
82) d12-Chrysene	12.235	240	813626	40.00	ppm	0.00
91) d12-Perylene	15.124	264	862568	40.00	ppm	0.00
System Monitoring Compounds						
4) SURR1,2-FLUOROPHENOL	3.629	112	481574	43.89	ppm	0.00
Spiked Amount 200.000	Range 10 - 70		Recovery = 21.95%			
8) SURR2,PHENOL-D6	4.351	99	387145	28.04	ppm	0.00
Spiked Amount 200.000	Range 10 - 107		Recovery = 14.02%			
25) SURR4,NITROBENZENE-D5	5.180	82	378605	38.40	ppm	0.00
Spiked Amount 100.000	Range 31 - 110		Recovery = 38.40%			
48) SURR5,2-FLUOROBIPHENYL	6.892	172	746465	33.17	ppm	0.00
Spiked Amount 100.000	Range 31 - 118		Recovery = 33.17%			
67) SURR3,2,4,6-TRIBROMOPH...	8.331	330	167388	72.08	ppm	0.00
Spiked Amount 200.000	Range 35 - 141		Recovery = 36.04%			
85) SURR6,TERPHENYL-D14	10.695	244	845813	51.96	ppm	0.00
Spiked Amount 100.000	Range 10 - 165		Recovery = 51.96%			
Target Compounds						Qvalue
9) Phenol	4.362	94	19351	1.406	ppm	79

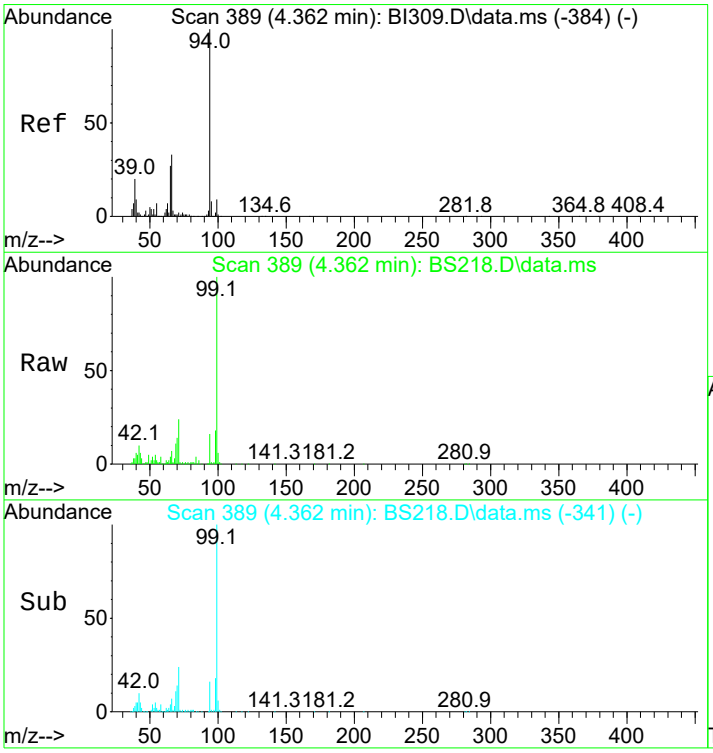
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973D\Data\062819\
Data File : BS218.D
Acq On : 29 Jun 2019 1:29 am
Operator : J.Misiurewicz
Sample : RQ1906197-01
Misc : 339142 8270D BLK
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Jul 01 14:28:44 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719DS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 10:37:35 2019
Response via : Initial Calibration

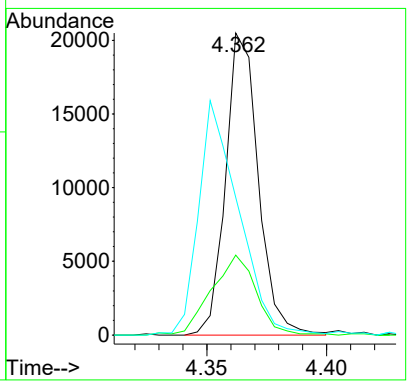




#9
Phenol
Concen: 1.41 ppm
RT: 4.362 min Scan# 389
Delta R.T. 0.005 min
Lab File: BS218.D
Acq: 29 Jun 2019 1:29 am

Tgt Ion: 94 Resp: 19351

Ion	Ratio	Lower	Upper
94	100		
65	25.7	0.0	51.8
66	42.1	0.0	56.1



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\071219\
Data File : DS876.D
Acq On : 12 Jul 2019 7:16 am
Operator : JMisiurewicz
Sample : RQ1906656-01
Misc : 339699 8270D BLK
ALS Vial : 4 Sample Multiplier: 1

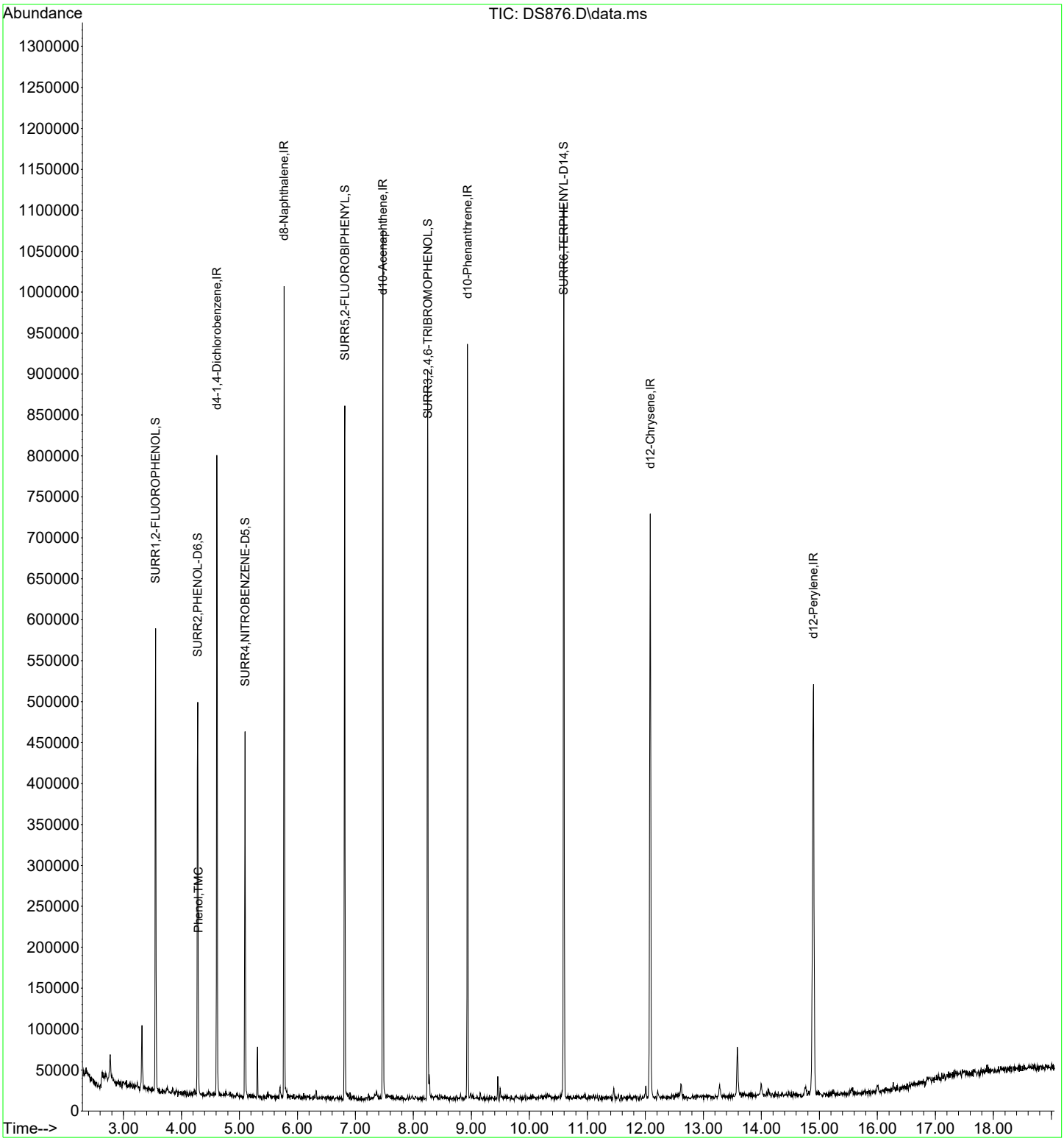
Quant Time: Jul 15 10:00:51 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jul 05 09:32:54 2019
Response via : Initial Calibration

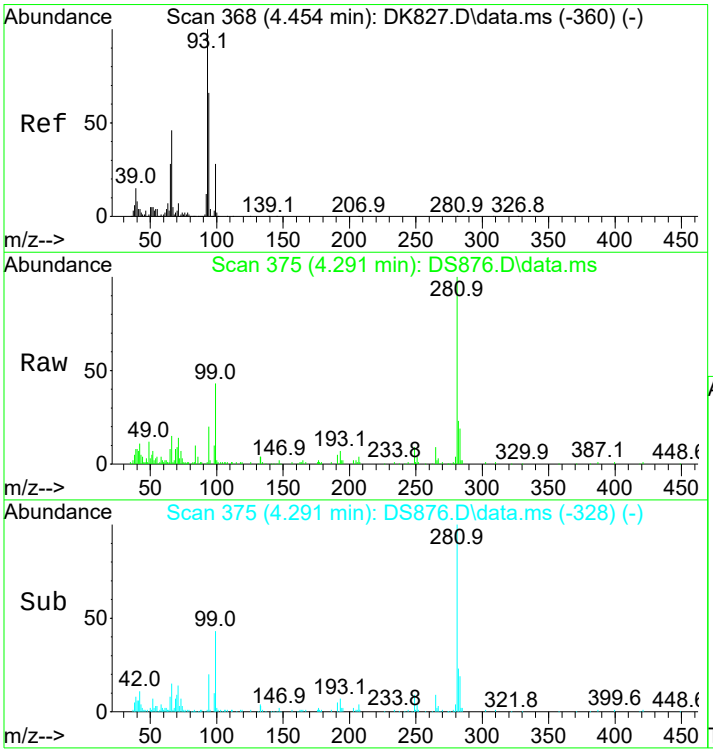
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.612	152	101639	40.00	ppm	-0.01
33) d8-Naphthalene	5.771	136	380192	40.00	ppm	-0.01
57) d10-Acenaphthene	7.475	164	188675	40.00	ppm	0.00
91) d10-Phenanthrene	8.933	188	286245	40.00	ppm	0.00
117) d12-Chrysene	12.084	240	311743	40.00	ppm	-0.01
135) d12-Perylene	14.899	264	321068	40.00	ppm	0.00
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.554	112	138387	39.19	ppm	0.00
Spiked Amount 100.000	Range 10 - 70		Recovery = 39.19%			
12) SURR2,PHENOL-D6	4.281	99	118809	27.42	ppm	0.00
Spiked Amount 100.000	Range 10 - 107		Recovery = 27.42%			
34) SURR4,NITROBENZENE-D5	5.098	82	124072	28.80	ppm	-0.01
Spiked Amount 50.000	Range 31 - 110		Recovery = 57.60%			
63) SURR5,2-FLUOROBIPHENYL	6.818	172	235512	35.09	ppm	0.00
Spiked Amount 50.000	Range 31 - 118		Recovery = 70.18%			
88) SURR3,2,4,6-TRIBROMOPH...	8.249	330	97841	77.54	ppm	0.00
Spiked Amount 100.000	Range 35 - 141		Recovery = 77.54%			
124) SURR6,TERPHENYL-D14	10.594	244	322525	47.29	ppm	0.00
Spiked Amount 50.000	Range 10 - 165		Recovery = 94.58%			
Target Compounds						Qvalue
13) Phenol	4.291	94	5837	1.355	ppm	70

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\5973A\DATA\071219\
Data File : DS876.D
Acq On : 12 Jul 2019 7:16 am
Operator : JMisiurewicz
Sample : RQ1906656-01
Misc : 339699 8270D BLK
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 15 10:00:51 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jul 05 09:32:54 2019
Response via : Initial Calibration

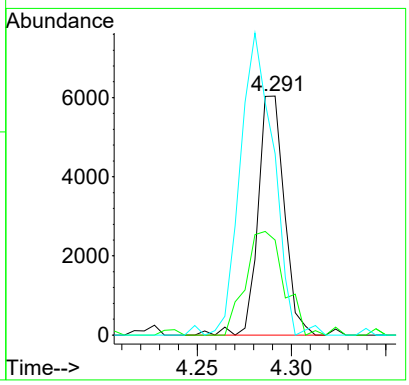




#13
Phenol
Concen: 1.35 ppm
RT: 4.291 min Scan# 375
Delta R.T. 0.000 min
Lab File: DS876.D
Acq: 12 Jul 2019 7:16 am

Tgt Ion: 94 Resp: 5837

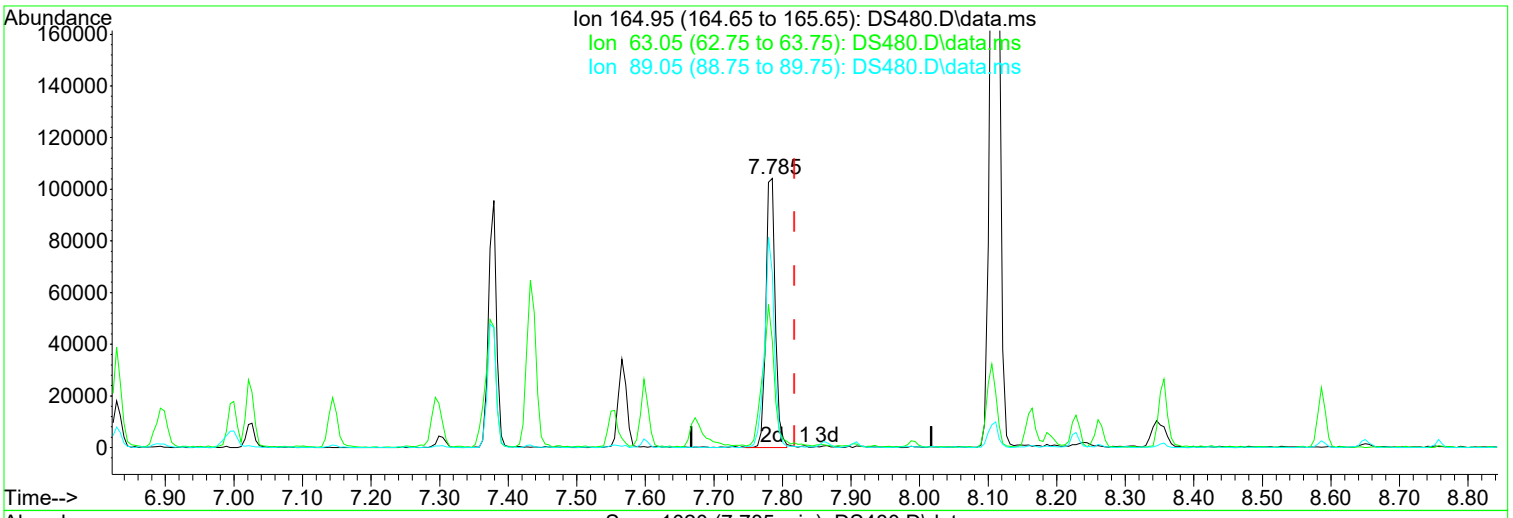
Ion	Ratio	Lower	Upper
94	100		
65	39.8	3.9	63.9
66	75.8	16.9	76.9

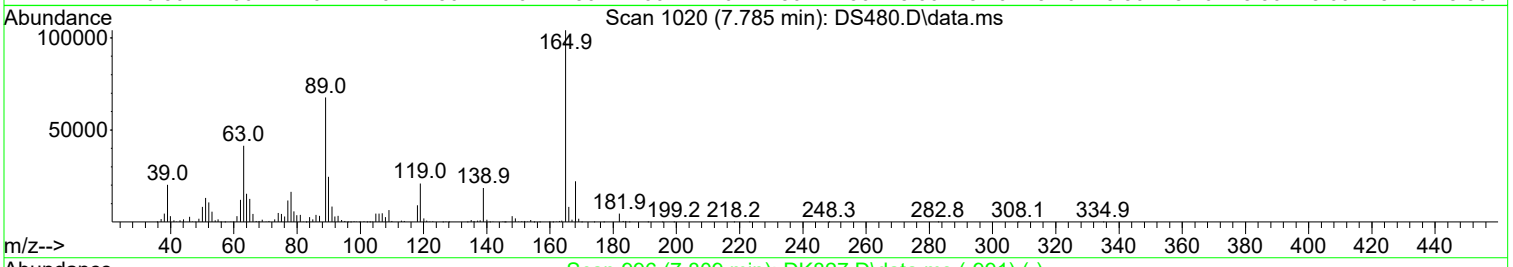


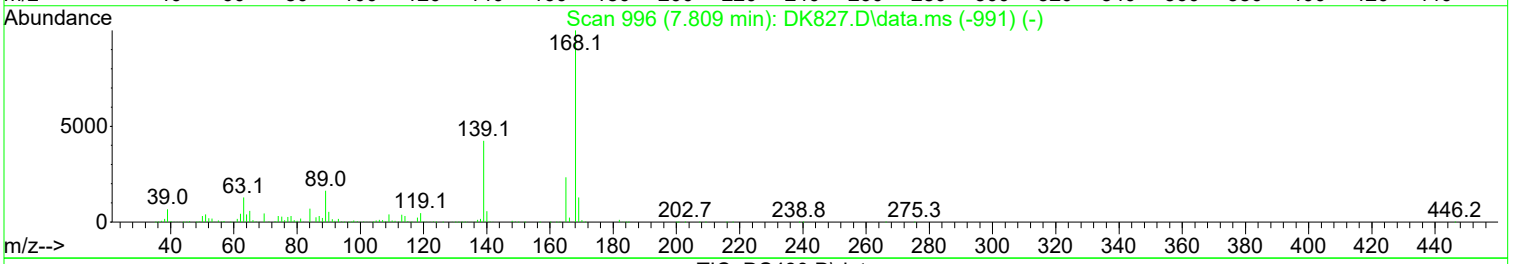
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\061819\
Data File : DS480.D
Acq On : 18 Jun 2019 4:00 pm
Operator : JMisiurewicz
Sample : RQ1905921-02
Misc : 338744 8270D/625 LCS
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 19 11:08:27 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 14 09:13:59 2019
Response via : Initial Calibration







TIC: DS480.D\data.ms

(59) 2,4-Dinitrotoluene (TM)

7.785min (-0.032) 38.81 ppm m

response 99283

Ion	Exp%	Act%
164.95	100.00	100.00
63.05	64.30	39.71
89.05	78.90	64.91
0.00	0.00	0.00

Manual Integration:

After

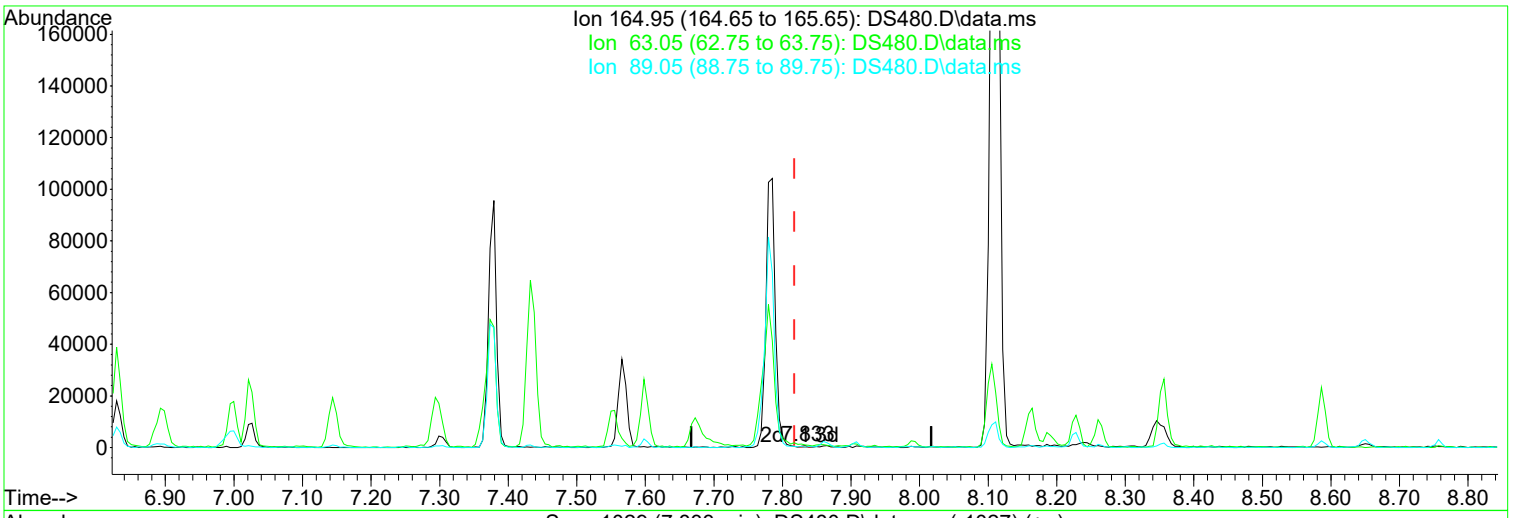
Peak not found.

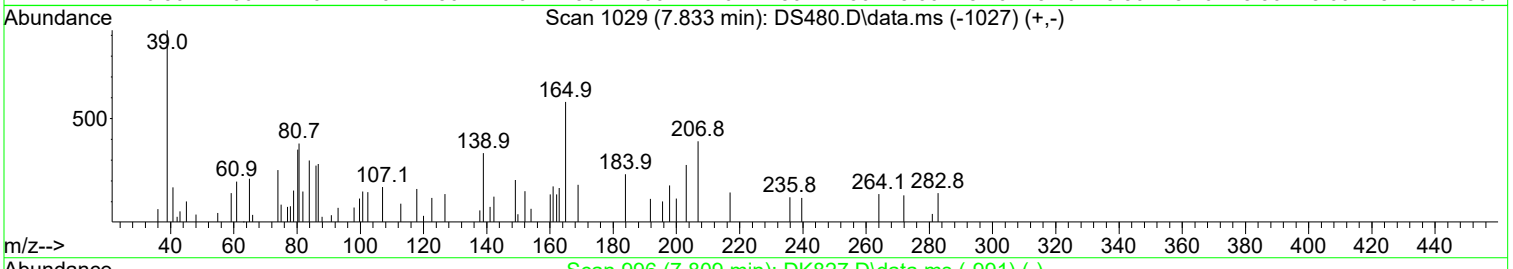
06/19/19

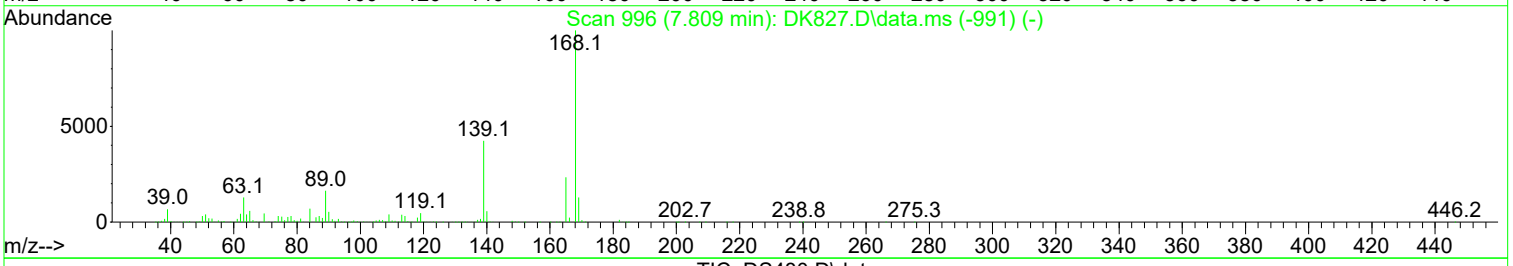
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\061819\
Data File : DS480.D
Acq On : 18 Jun 2019 4:00 pm
Operator : JMisiurewicz
Sample : RQ1905921-02
Misc : 338744 8270D/625 LCS
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 19 11:08:27 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 14 09:13:59 2019
Response via : Initial Calibration







TIC: DS480.D\data.ms

(59) 2,4-Dinitrotoluene (TM)

7.833min (+ 0.016) 0.13 ppm

response 336

Ion	Exp%	Act%
164.95	100.00	100.00
63.05	64.30	0.60#
89.05	78.90	0.00#
0.00	0.00	0.00

Manual Integration:

Before

06/19/19

1st DM 06/19/19
2nd MP 06/19/19

Data Path : I:\ACQUDATA\5973A\DATA\061819\
Data File : DS480.D
Acq On : 18 Jun 2019 4:00 pm
Operator : JMisiurewicz
Sample : RQ1905921-02
Misc : 338744 8270D/625 LCS
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 19 11:08:27 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 14 09:13:59 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.687	152	117052	40.00	ppm		-0.04
24) d8-Naphthalene	5.862	136	460743	40.00	ppm		-0.04
42) d10-Acenaphthene	7.566	164	227943	40.00	ppm		-0.05
69) d10-Phenanthrene	9.040	188	335411	40.00	ppm		-0.04
82) d12-Chrysene	12.293	240	341965	40.00	ppm		-0.06
91) d12-Perylene	15.220	264	344855	40.00	ppm		-0.07
System Monitoring Compounds							
4) SURR1,2-FLUOROPHENOL	3.614	112	170830	40.12	ppm		-0.05
Spiked Amount 100.000	Range 10 - 70		Recovery = 40.12%				
8) SURR2,PHENOL-D6	4.383	99	137799	26.34	ppm		-0.04
Spiked Amount 100.000	Range 10 - 107		Recovery = 26.34%				
25) SURR4,NITROBENZENE-D5	5.194	82	151907	32.49	ppm		-0.04
Spiked Amount 50.000	Range 31 - 110		Recovery = 64.98%				
48) SURR5,2-FLUOROBIPHENYL	6.898	172	296713	34.23	ppm		-0.05
Spiked Amount 50.000	Range 31 - 118		Recovery = 68.46%				
67) SURR3,2,4,6-TRIBROMOPH...	8.356	330	91282	97.79	ppm		-0.04
Spiked Amount 100.000	Range 35 - 141		Recovery = 97.79%				
85) SURR6,TERPHENYL-D14	10.717	244	350046	43.45	ppm		-0.05
Spiked Amount 50.000	Range 10 - 165		Recovery = 86.90%				
Target Compounds							Qvalue
2) Pyridine	2.556	79	96333	21.068	ppm		98
3) N-Nitrosodimethylamine	2.524	74	53251	19.487	ppm		94
6) Benzaldehyde	4.324	106	112185	37.467	ppm		98
7) Aniline	4.409	93	217277	32.548	ppm		53
9) Phenol	4.393	94	1064775	186.132	ppm		98
10) bis(2-Clethyl)Ether	4.452	93	145249	36.696	ppm		97
11) 2-Chlorophenol	4.516	128	141756	31.547	ppm		97
12) 1,3-Diclbenzene	4.639	146	122815	26.262	ppm		98
13) 1,4-Dichlorobenzene	4.703	146	129584	27.078	ppm		99
14) 1,2-Diclbenzene	4.837	146	127467	27.876	ppm		97
15) Benzyl Alcohol	4.821	79	103587	34.037	ppm		97
16) 1-Methyl-2-pyrrolidinone	4.869	99	37986	13.657	ppm		92
17) 2,2'-oxybis(1-Chloropr...	4.917	45	171819	45.176	ppm		86
18) 2-Methylphenol	4.922	108	127950	31.734	ppm		95
19) 3+4-Methylphenol	5.066	108	127554	27.959	ppm		96
20) Acetophenone	5.050	105	382733	67.545	ppm		98
21) N-Nitroso-Di-n-propyla...	5.040	70	112883	36.938	ppm	#	74
22) Hexachloroethane	5.136	117	47947	26.029	ppm		98
23) Alpha-terpinol	5.878	121	63261	42.309	ppm		98
26) Nitrobenzene	5.210	77	160173	34.108	ppm		94
27) Isophorone	5.424	82	297747	38.039	ppm		99
28) 2-Nitrophenol	5.504	139	83556	34.391	ppm		96
29) 2,4-Dimethylphenol	5.547	107	158036	36.121	ppm		98
30) bis(-2-Chloroethoxy)Me...	5.622	93	194423	42.246	ppm		97
31) Benzoic Acid	5.670	105	147465	78.156	ppm		96
32) 2,4-Dichlorophenol	5.750	162	120017	34.631	ppm		94
33) 1,2,4-Trichlorobenzene	5.803	180	100898	27.613	ppm		99
34) Naphthalene	5.878	128	379863	29.914	ppm		99
35) 4-Chloroaniline	5.942	127	175754	33.076	ppm		98
37) Hexachlorobutadiene	5.980	225	54709	29.550	ppm		96
38) 4-Chloro-3-methylphenol	6.428	107	132024	38.144	ppm		98
39) Caprolactam	6.289	113	13225	9.627	ppm		87
40) 2-Methylnaphthalene	6.546	142	246314	29.972	ppm		97

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\061819\
Data File : DS480.D
Acq On : 18 Jun 2019 4:00 pm
Operator : JMisiurewicz
Sample : RQ1905921-02
Misc : 338744 8270D/625 LCS
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 19 11:08:27 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 14 09:13:59 2019
Response via : Initial Calibration

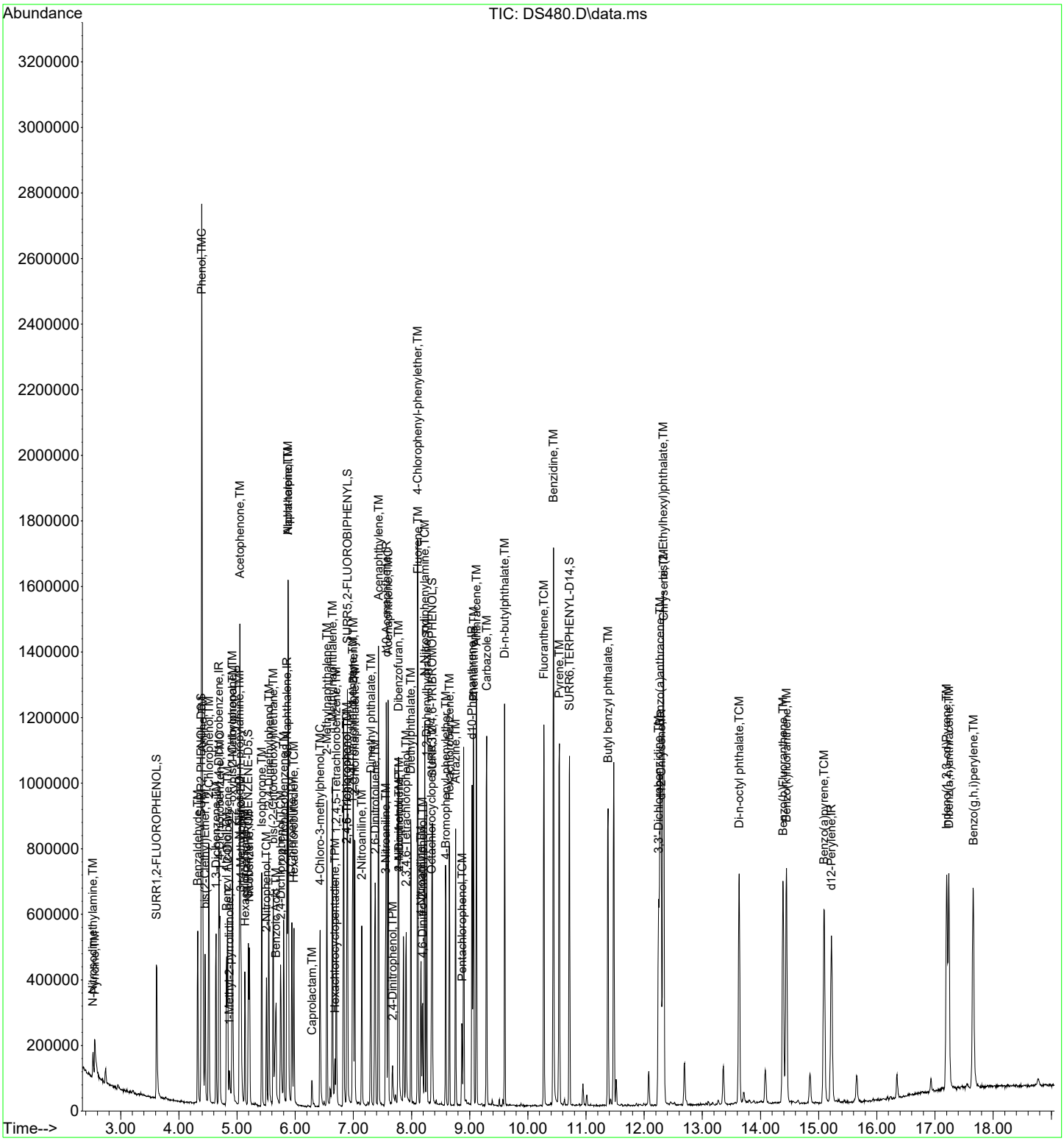
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) 1-Methylnaphthalene	6.642	142	252616	32.856	ppm		99
43) Hexachlorocyclopentadiene	6.685	237	17899	14.231	ppm		96
44) 1,2,4,5-Tetrachloroben...	6.706	216	111219	33.152	ppm		98
45) 1,2,3,4-Tetrachloroben...	6.989	216	95438	27.016	ppm		98
46) 2,4,6-Trichlorophenol	6.888	196	93699	44.096	ppm		95
47) 2,4,5-Trichlorophenol	6.888	196	93445	40.887	ppm		96
49) 1,1'-Biphenyl	7.000	154	316330	31.327	ppm		100
50) 2-Chloronaphthalene	7.026	162	241969	33.154	ppm		97
51) 2-Nitroaniline	7.144	65	87230	41.812	ppm		97
52) Acenaphthylene	7.432	152	436799	37.365	ppm		98
53) Dimethyl phthalate	7.304	163	314007	36.799	ppm		99
54) 2,6-Dinitrotoluene	7.379	165	77654	40.085	ppm		94
55) Acenaphthene	7.598	153	286510	35.232	ppm		96
56) 3-Nitroaniline	7.555	138	80841	36.301	ppm		100
57) 2,4-Dinitrophenol	7.673	184	27489	43.736	ppm		93
58) Dibenzofuran	7.774	168	372594	37.104	ppm		90
59) 2,4-Dinitrotoluene	7.785	165	99283m	38.805	ppm		
60) 4-Nitrophenol	7.785	65	22211	15.202	ppm	#	36
62) 2,3,4,6-Tetrachlorophenol	7.908	232	68406	44.613	ppm		97
63) Fluorene	8.111	166	320937	38.871	ppm		96
64) 4-Chlorophenyl-phenyle...	8.105	204	139938	42.011	ppm		91
65) Diethylphthalate	7.988	149	309038	36.570	ppm		99
66) 4-Nitroaniline	8.164	138	91515	41.662	ppm		94
68) Octachlorocyclopentene	8.346	307	33750	31.434	ppm		97
70) 4,6-Dinitro-2-methylph...	8.191	198	48536	37.540	ppm		97
71) 1,2 Diphenylhydrazine	8.260	77	323907	43.307	ppm		97
72) N-Nitrosodiphenylamine	8.228	169	256523	43.280	ppm		99
73) 4-Bromophenyl-phenylether	8.591	248	80986	46.177	ppm		91
74) Hexachlorobenzene	8.650	284	91422	46.354	ppm		98
75) Atrazine	8.757	215	44950	46.871	ppm		93
76) Pentachlorophenol	8.869	266	35853	53.619	ppm		98
77) Phenanthrene	9.067	178	431079	40.640	ppm		99
78) Anthracene	9.115	178	449245	42.625	ppm		98
79) Carbazole	9.291	167	452622	43.720	ppm		100
80) Di-n-butylphthalate	9.601	149	587920	43.936	ppm		99
81) Fluoranthene	10.274	202	489190	45.048	ppm		99
83) Benzidine	10.439	184	727069	90.612	ppm		98
84) Pyrene	10.541	202	506054	40.299	ppm		99
86) Butyl benzyl phthalate	11.379	149	264761	38.006	ppm		99
87) 3,3'-Dichlorobenzidine	12.250	252	178028	39.139	ppm		96
88) Benzo(a)anthracene	12.271	228	476609	41.046	ppm		99
89) Chrysene	12.335	228	450275	42.152	ppm		99
90) bis(2-Ethylhexyl)phtha...	12.325	149	413786	43.165	ppm		99
92) Di-n-octyl phthalate	13.633	149	597989	36.538	ppm		100
93) Benzo(b)Fluoranthene	14.386	252	458218	39.928	ppm		99
94) Benzo(k)fluoranthene	14.445	252	467812	43.040	ppm		98
95) Benzo(a)pyrene	15.091	252	429856	43.555	ppm		97
96) Indeno(1,2,3-cd)Pyrene	17.201	276	429793	44.406	ppm		91
97) Dibenz(a,h)anthracene	17.239	278	407416	40.175	ppm		97
98) Benzo(g,h,i)perylene	17.661	276	446661	53.546	ppm		93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st 06/19/19
2nd 06/19/19

Data Path : I:\ACQUDATA\5973A\DATA\061819\
Data File : DS480.D
Acq On : 18 Jun 2019 4:00 pm
Operator : JMisiurewicz
Sample : RQ1905921-02
Misc : 338744 8270D/625 LCS
ALS Vial : 6 Sample Multiplier: 1

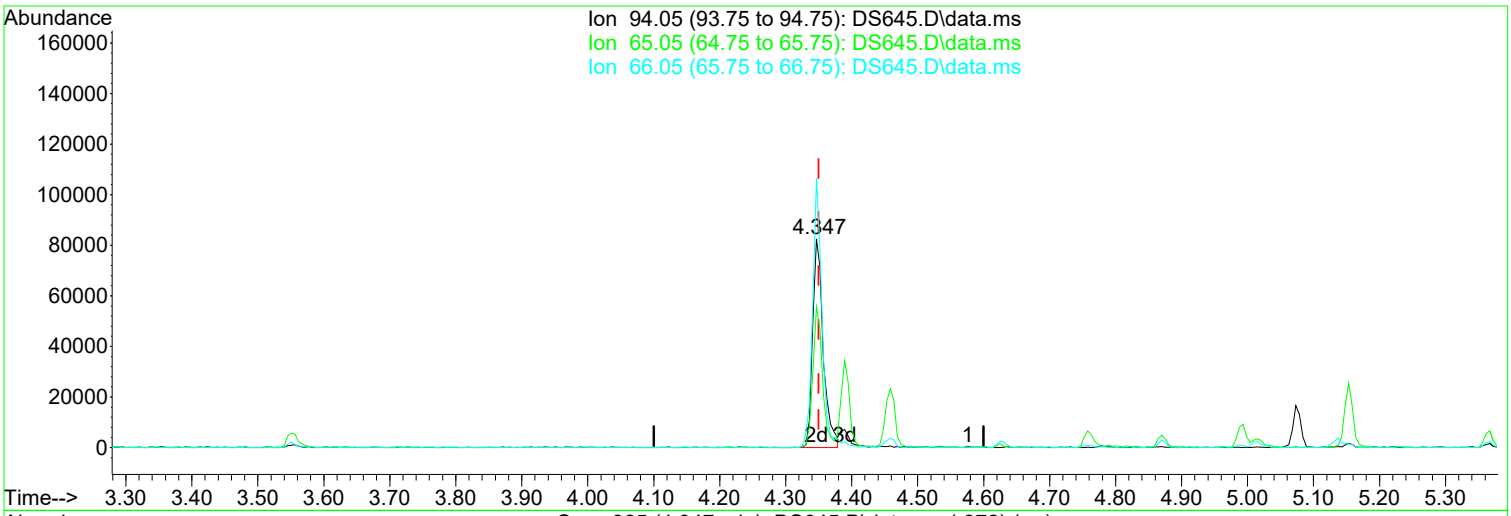
Quant Time: Jun 19 11:08:27 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 14 09:13:59 2019
Response via : Initial Calibration

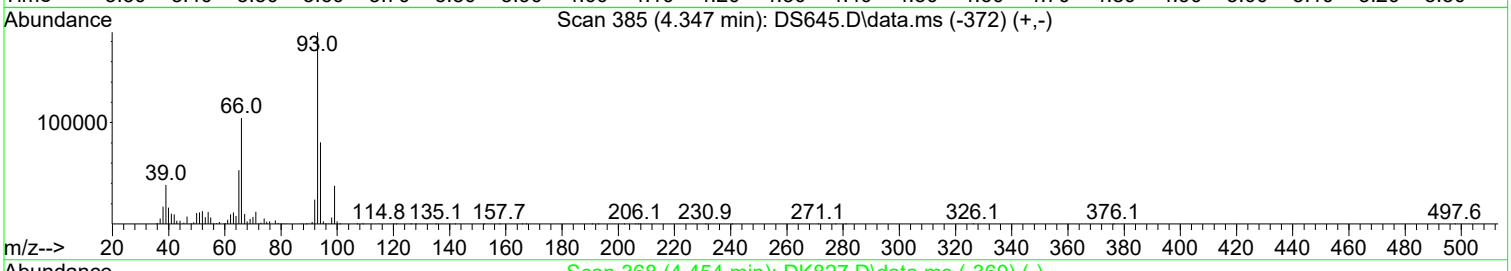


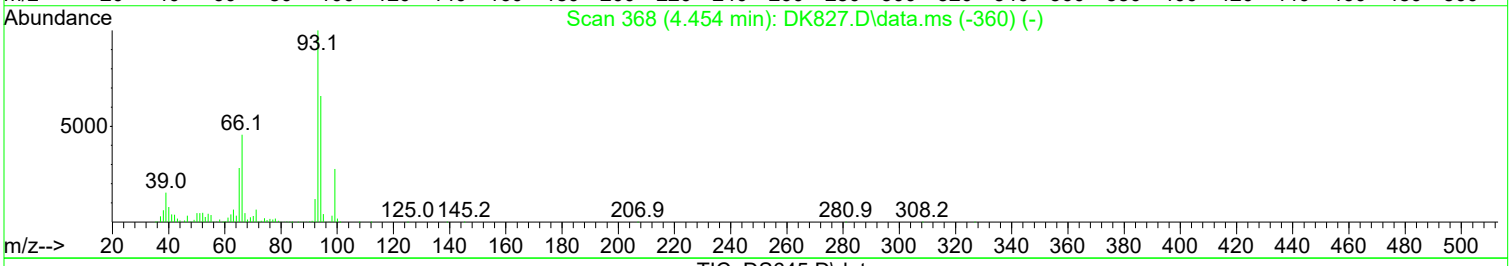
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\062419\
Data File : DS645.D
Acq On : 24 Jun 2019 6:58 pm
Operator : JMisiurewicz
Sample : RQ1906197-02
Misc : 339142 8270D LCS
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 26 10:42:39 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jun 26 10:42:04 2019
Response via : Initial Calibration







TIC: DS645.D\data.ms

(13) Phenol (TMC)

4.347min (-0.004) 17.97 ppm m

response 92358

Ion	Exp%	Act%
94.05	100.00	100.00
65.05	27.10	67.45#
66.05	34.10	128.86#
0.00	0.00	0.00

Manual Integration:

After

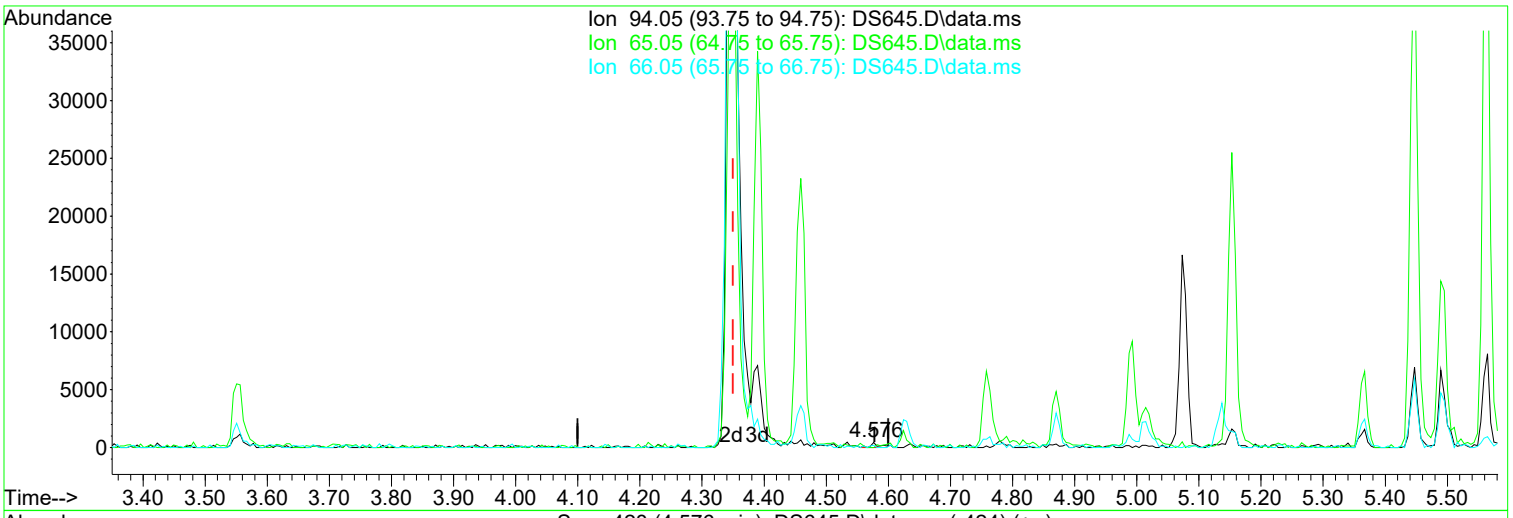
Poor integration.

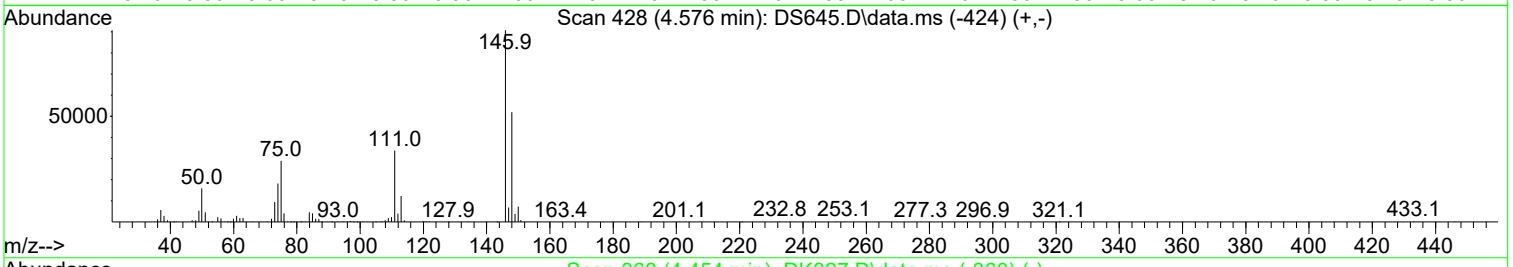
06/26/19

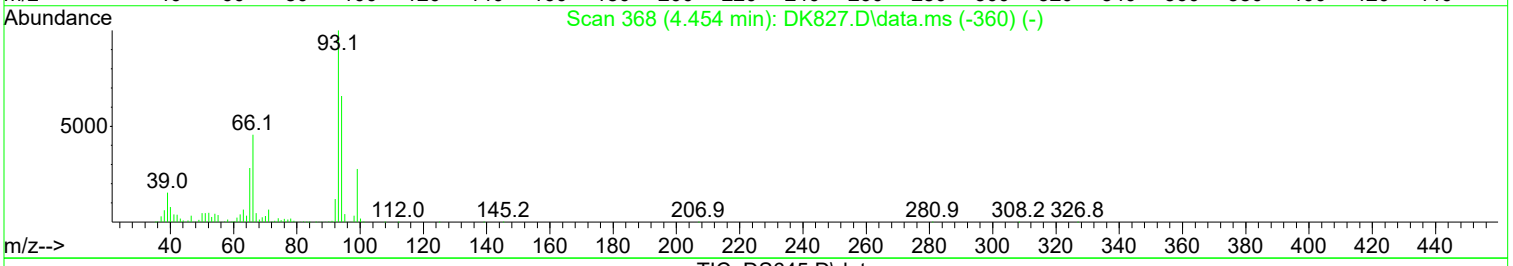
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\062419\
Data File : DS645.D
Acq On : 24 Jun 2019 6:58 pm
Operator : JMisiurewicz
Sample : RQ1906197-02
Misc : 339142 8270D LCS
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 26 10:42:39 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jun 26 10:42:04 2019
Response via : Initial Calibration







TIC: DS645.D\data.ms

(13) Phenol (TMC)

4.576min (+ 0.226) 0.05 ppm

response 261

Ion	Exp%	Act%
94.05	100.00	100.00
65.05	27.10	0.00
66.05	34.10	49.32
0.00	0.00	0.00

Manual Integration:

Before

06/26/19

1st DM 06/26/19
2nd BA 06/26/19

Data Path : I:\ACQUDATA\5973A\DATA\062419\
Data File : DS645.D
Acq On : 24 Jun 2019 6:58 pm
Operator : JMisiurewicz
Sample : RQ1906197-02
Misc : 339142 8270D LCS
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 26 10:42:39 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jun 26 10:42:04 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.630	152	105139	40.00	ppm		0.00
33) d8-Naphthalene	5.799	136	386766	40.00	ppm		0.00
57) d10-Acenaphthene	7.509	164	198190	40.00	ppm		0.00
91) d10-Phenanthrene	8.983	188	309910	40.00	ppm		0.00
117) d12-Chrysene	12.203	240	322162	40.00	ppm		0.00
135) d12-Perylene	15.104	264	322558	40.00	ppm		-0.01
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.551	112	157202	41.11	ppm		0.00
Spiked Amount 100.000	Range 10 - 70		Recovery = 41.11%				
12) SURR2,PHENOL-D6	4.336	99	130303	27.73	ppm		0.00
Spiked Amount 100.000	Range 10 - 107		Recovery = 27.73%				
34) SURR4,NITROBENZENE-D5	5.137	82	156768	39.94	ppm		0.00
Spiked Amount 50.000	Range 31 - 110		Recovery = 79.88%				
63) SURR5,2-FLUOROBIPHENYL	6.841	172	309204	41.03	ppm		0.00
Spiked Amount 50.000	Range 31 - 118		Recovery = 82.06%				
88) SURR3,2,4,6-TRIBROMOPH...	8.299	330	90962	112.08	ppm		0.00
Spiked Amount 100.000	Range 35 - 141		Recovery = 112.08%				
124) SURR6,TERPHENYL-D14	10.644	244	345935	45.58	ppm		0.00
Spiked Amount 50.000	Range 10 - 165		Recovery = 91.16%				
Target Compounds							Qvalue
2) Pyridine	2.451	79	72005	17.532	ppm		92
3) N-Nitrosodimethylamine	2.419	74	58052	23.651	ppm		92
10) Benzaldehyde	4.256	106	104475	38.846	ppm		91
11) Aniline	4.347	93	182772	30.482	ppm		70
13) Phenol	4.347	94	92358m	17.974	ppm		
14) bis(2-Clethyl)Ether	4.389	93	134207	37.749	ppm		94
16) 2-Chlorophenol	4.459	128	139407	34.539	ppm		97
17) 1,3-Diclbenzene	4.576	146	110167	26.227	ppm		96
18) 1,4-Dichlorobenzene	4.646	146	114395	26.612	ppm		98
19) 1,2-Diclbenzene	4.779	146	109972	26.775	ppm		98
20) Benzyl Alcohol	4.758	79	111690	40.858	ppm		93
21) 1-Methyl-2-pyrrolidinone	4.785	99	40181	16.083	ppm	#	81
22) 2,2'-oxybis(1-Chloropr...	4.859	45	172954	50.627	ppm	#	75
23) 2-Methylphenol	4.870	108	120232	33.199	ppm		97
24) 3+4-Methylphenol	5.014	108	119031	29.047	ppm		94
25) Acetophenone	4.993	105	380208	74.703	ppm		99
26) N-Nitroso-Di-n-propyla...	4.982	70	108607	39.566	ppm	#	79
30) Hexachloroethane	5.073	117	42770	25.850	ppm		95
32) Alpha-terpinol	5.821	121	60740	45.226	ppm		91
35) Nitrobenzene	5.153	77	151497	38.431	ppm		97
37) Isophorone	5.367	82	298552	45.438	ppm		100
38) 2-Nitrophenol	5.447	139	81550	39.985	ppm		93
39) 2,4-Dimethylphenol	5.490	107	161968	44.100	ppm		93
40) bis(-2-Chloroethoxy)Me...	5.564	93	185869	48.112	ppm		99
41) Benzoic Acid	5.613	105	122216	77.352	ppm		97
42) 2,4-Dichlorophenol	5.687	162	124305	42.729	ppm		97
44) 1,2,4-Trichlorobenzene	5.746	180	97731	31.862	ppm		96
45) Naphthalene	5.821	128	359617	33.736	ppm		99
46) 4-Chloroaniline	5.885	127	183034	41.035	ppm		98
48) Hexachlorobutadiene	5.917	225	55639	35.800	ppm		100
50) 4-Chloro-3-methylphenol	6.376	107	129653	44.623	ppm		98
52) Caprolactam	6.221	113	14078	12.209	ppm		92
55) 2-Methylnaphthalene	6.488	142	233665	33.871	ppm		96

1st DM 06/26/19
2nd BA 06/26/19

Data Path : I:\ACQUDATA\5973A\DATA\062419\
Data File : DS645.D
Acq On : 24 Jun 2019 6:58 pm
Operator : JMisiurewicz
Sample : RQ1906197-02
Misc : 339142 8270D LCS
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 26 10:42:39 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jun 26 10:42:04 2019
Response via : Initial Calibration

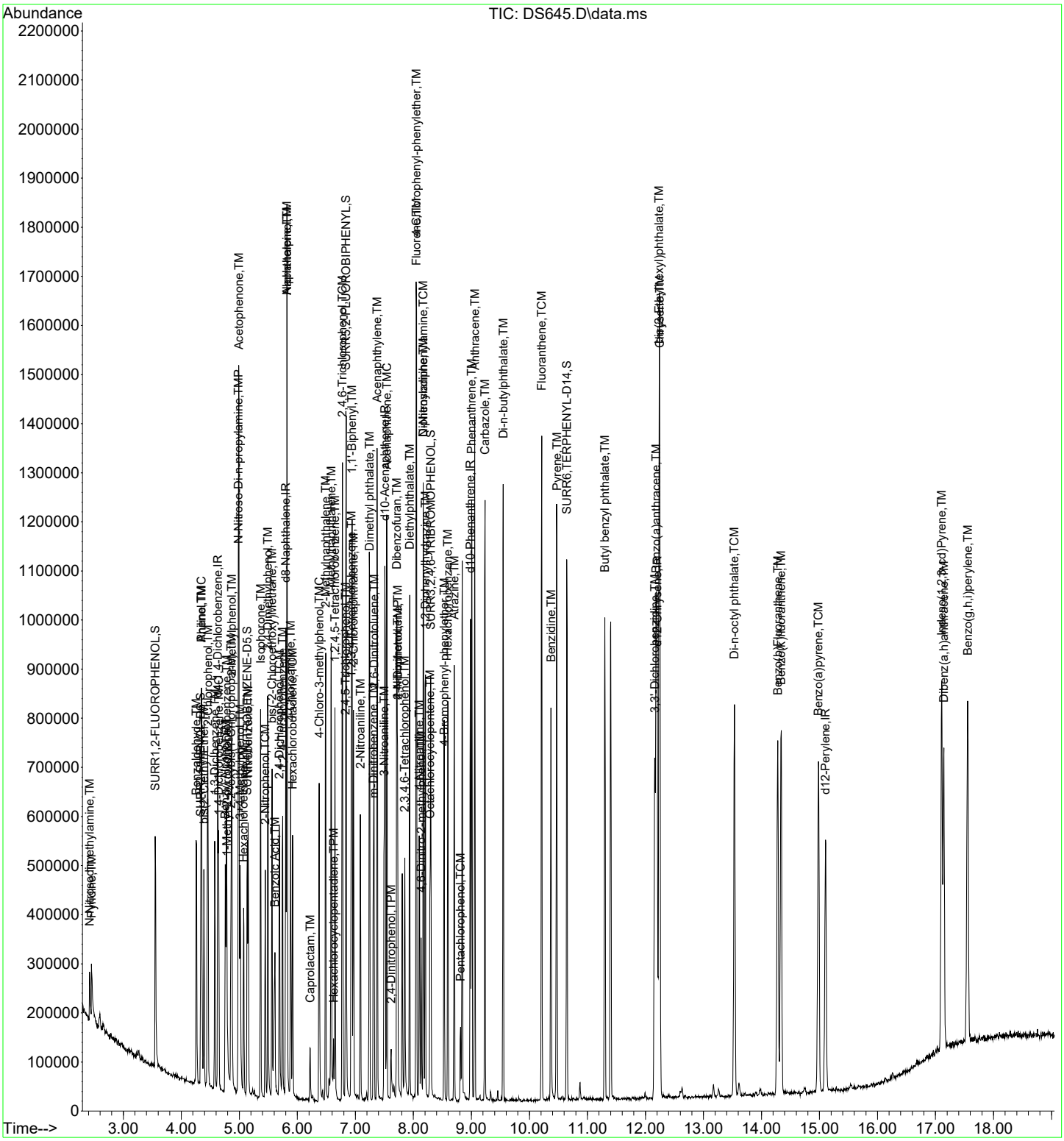
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
56) 1-Methylnaphthalene	6.585	142	238627	36.972	ppm		97
58) Hexachlorocyclopentadiene	6.627	237	14977	13.763	ppm		100
59) 1,2,4,5-Tetrachloroben...	6.649	216	114238	39.164	ppm		99
60) 1,2,3,4-Tetrachloroben...	6.932	216	105870	34.468	ppm		97
61) 2,4,6-Trichlorophenol	6.777	196	84758	45.876	ppm		100
62) 2,4,5-Trichlorophenol	6.830	196	92453	46.526	ppm		93
65) 1,1'-Biphenyl	6.942	154	314963	35.874	ppm		97
66) 2-Chloronaphthalene	6.969	162	227717	35.885	ppm		98
67) 2-Nitroaniline	7.087	65	88281	48.668	ppm		99
69) m-Dinitrobenzene	7.311	168	54755	43.918	ppm		94
70) Acenaphthylene	7.375	152	404186	39.766	ppm		98
71) Dimethyl phthalate	7.247	163	312865	42.170	ppm		99
72) 2,6-Dinitrotoluene	7.322	165	80403	47.735	ppm		90
73) Acenaphthene	7.541	153	266384	37.675	ppm		97
74) 3-Nitroaniline	7.498	138	79060	40.831	ppm		96
75) 2,4-Dinitrophenol	7.615	184	19602	37.312	ppm		91
76) Dibenzofuran	7.712	168	359101	41.129	ppm		94
77) 2,4-Dinitrotoluene	7.728	165	99585	44.767	ppm		87
78) 4-Nitrophenol	7.728	65	25896	20.385	ppm	#	12
82) 2,3,4,6-Tetrachlorophenol	7.850	232	59143	44.363	ppm		96
83) Fluorene	8.053	166	306002	42.626	ppm		100
84) 4-Chlorophenyl-phenyle...	8.048	204	130374	45.016	ppm		95
85) Diethylphthalate	7.936	149	319171	43.439	ppm		98
86) 4-Nitroaniline	8.101	138	80435	42.115	ppm		93
90) Octachlorocyclopentene	8.288	307	31643	33.896	ppm		95
93) 4,6-Dinitro-2-methylph...	8.133	198	46744	39.129	ppm		93
94) Diphenylamine	8.171	169	266785	48.716	ppm		99
95) 1,2 Diphenylhydrazine	8.208	77	311004	45.003	ppm		99
96) N-Nitrosodiphenylamine	8.171	169	266785	48.716	ppm		99
101) 4-Bromophenyl-phenylether	8.534	248	82081	50.653	ppm		91
102) Hexachlorobenzene	8.593	284	96483	52.945	ppm		89
104) Atrazine	8.705	215	45709	51.584	ppm		99
105) Pentachlorophenol	8.812	266	22309	38.431	ppm		94
111) Phenanthrene	9.004	178	439379	44.831	ppm		99
112) Anthracene	9.058	178	468151	48.074	ppm		98
113) Carbazole	9.234	167	465429	48.656	ppm		99
114) Di-n-butylphthalate	9.549	149	596067	48.210	ppm		99
116) Fluoranthene	10.211	202	506477	50.477	ppm		98
122) Benzidine	10.371	184	300406	39.740	ppm		99
123) Pyrene	10.473	202	521703	44.099	ppm		99
128) Butyl benzyl phthalate	11.301	149	271564	41.379	ppm		99
131) 3,3'-Dichlorobenzidine	12.161	252	188523	43.994	ppm		91
132) Benzo(a)anthracene	12.182	228	490346	44.825	ppm		99
133) Chrysene	12.246	228	480125	47.709	ppm		99
134) bis(2-Ethylhexyl)phtha...	12.235	149	381417	42.234	ppm		98
136) Di-n-octyl phthalate	13.533	149	643935	42.065	ppm		99
138) Benzo(b)Fluoranthene	14.281	252	482041	44.908	ppm		97
139) Benzo(k)fluoranthene	14.340	252	479930	47.207	ppm		98
140) Benzo(a)pyrene	14.981	252	452642	49.034	ppm		98
142) Indeno(1,2,3-cd)Pyrene	17.107	276	467661	51.659	ppm		93
143) Dibenz(a,h)anthracene	17.144	278	359434	37.894	ppm		96
144) Benzo(g,h,i)perylene	17.555	276	471142	60.385	ppm		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st JM 06/26/19
2nd BA 06/26/19

Data Path : I:\ACQUDATA\5973A\DATA\062419\
Data File : DS645.D
Acq On : 24 Jun 2019 6:58 pm
Operator : JMisiurewicz
Sample : RQ1906197-02
Misc : 339142 8270D LCS
ALS Vial : 10 Sample Multiplier: 1

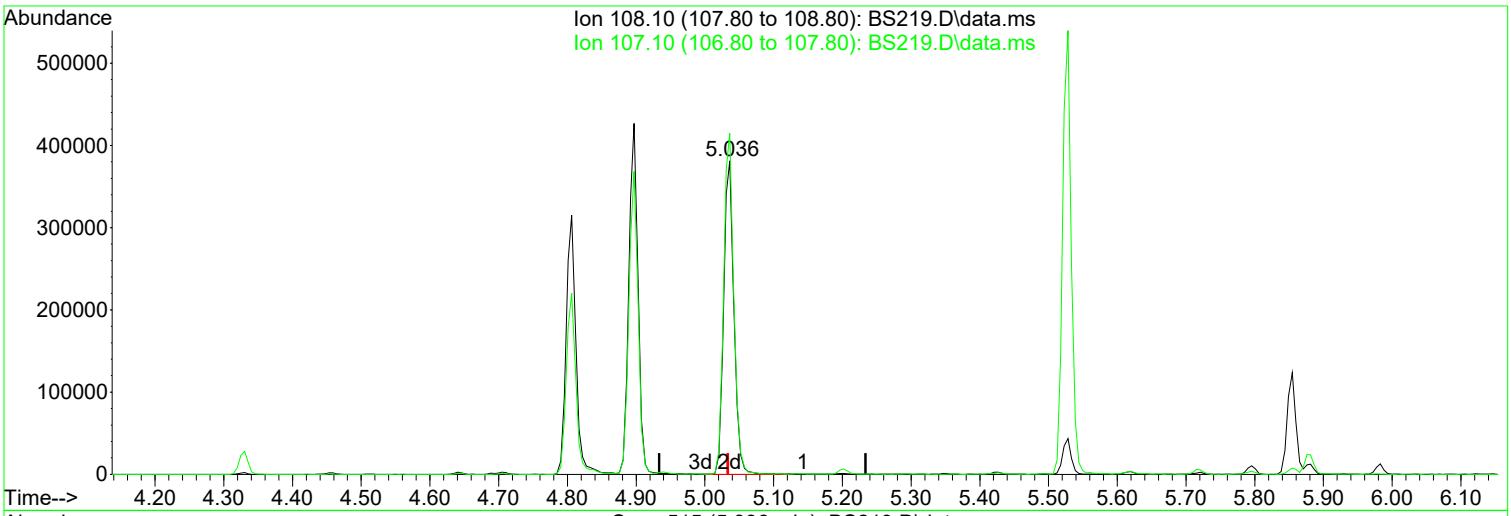
Quant Time: Jun 26 10:42:39 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jun 26 10:42:04 2019
Response via : Initial Calibration

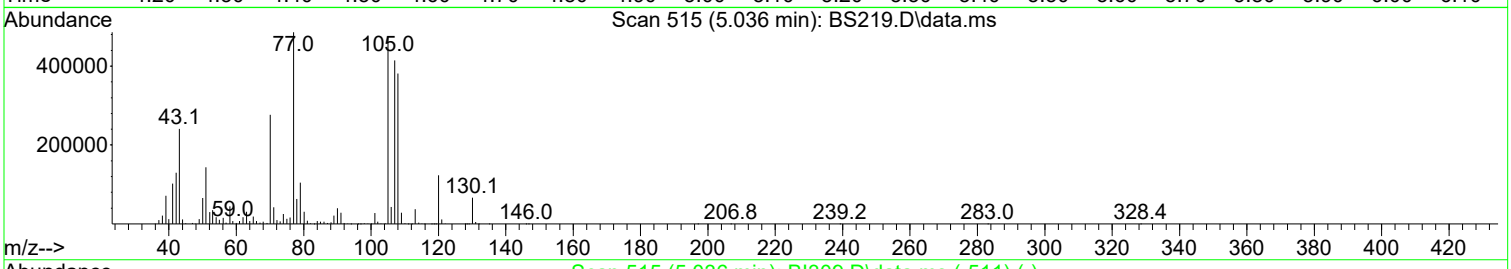


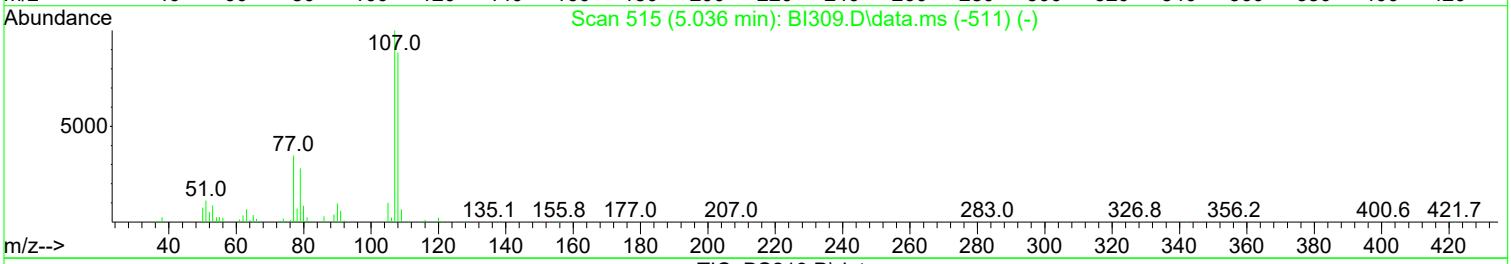
1st DM 07/01/19
2nd MP 07/02/19

Data Path : I:\ACQUDATA\5973D\Data\062819\
Data File : BS219.D
Acq On : 29 Jun 2019 1:59 am
Operator : J.Misiurewicz
Sample : RQ1906197-02
Misc : 339142 8270D LCS
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Jul 01 14:28:48 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719DS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 10:37:35 2019
Response via : Initial Calibration







TIC: BS219.D\data.ms

(19) 3+4-Methylphenol (TM)

5.036min (+ 0.002) 38.79 ppm m

response 398502

Ion	Exp%	Act%
108.10	100.00	100.00
107.10	83.50	108.83#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

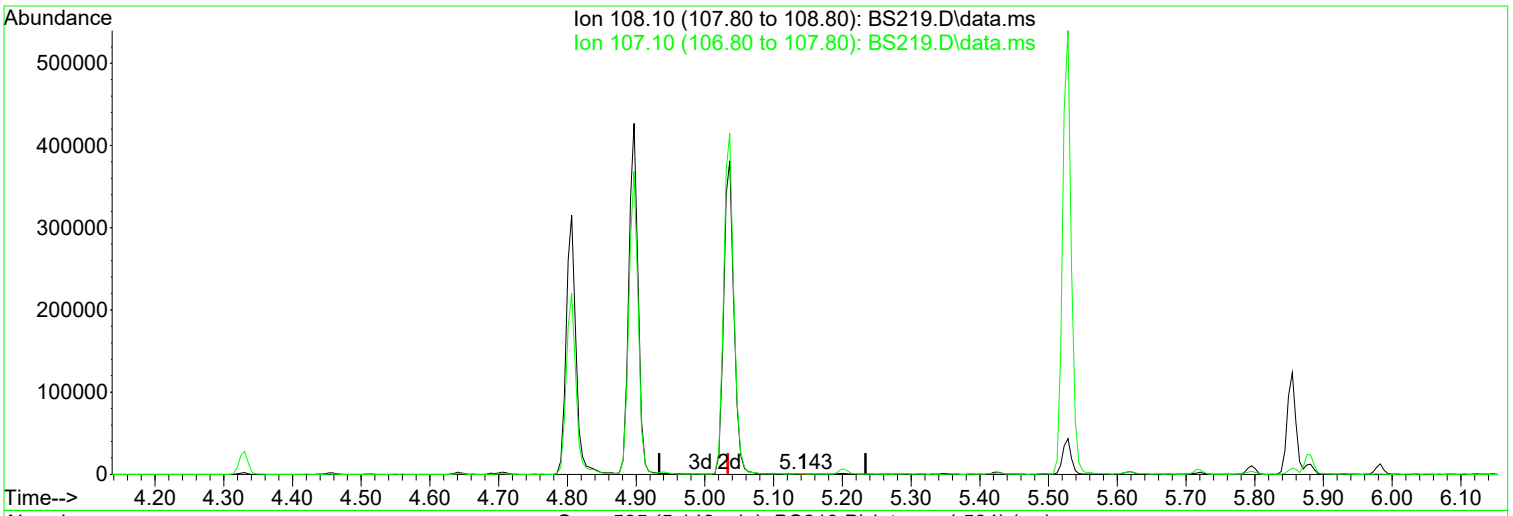
Peak not found.

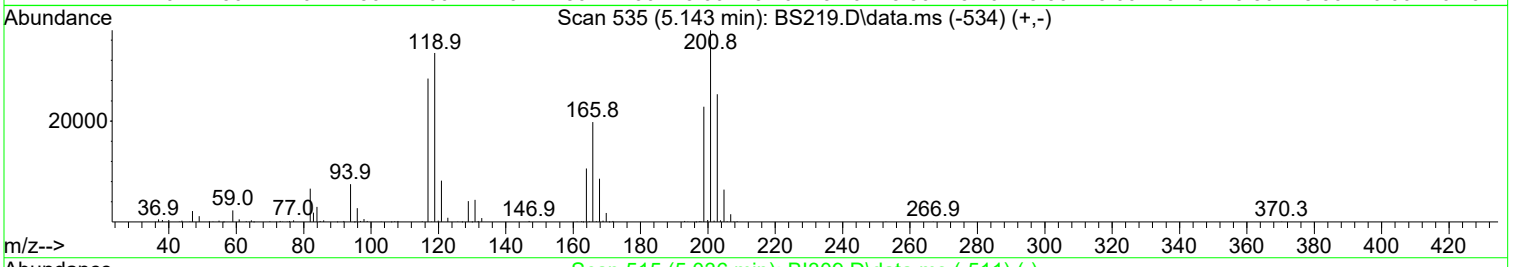
07/01/19

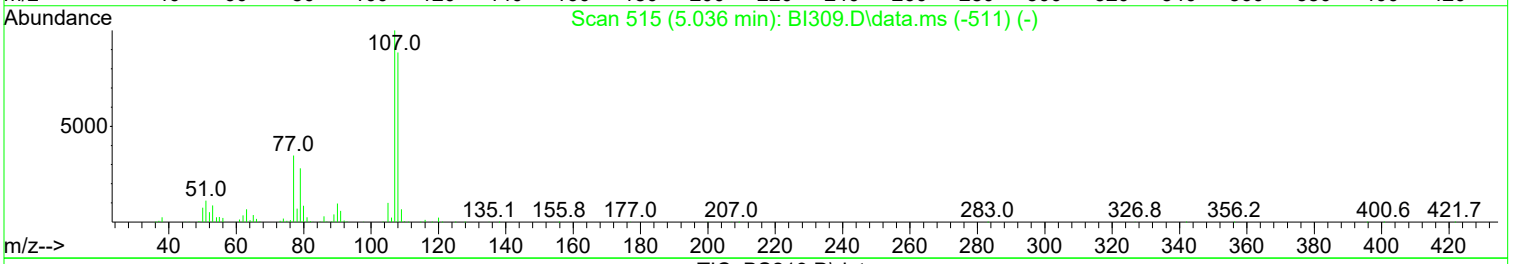
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\062819\
Data File : BS219.D
Acq On : 29 Jun 2019 1:59 am
Operator : J.Misiurewicz
Sample : RQ1906197-02
Misc : 339142 8270D LCS
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Jul 01 14:28:48 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719DS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 10:37:35 2019
Response via : Initial Calibration







TIC: BS219.D\data.ms

(19) 3+4-Methylphenol (TM)

5.143min (+ 0.109) 0.02 ppm

response 160

Ion	Exp%	Act%
108.10	100.00	100.00
107.10	83.50	82.52
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

07/01/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973D\Data\062819\
Data File : BS219.D
Acq On : 29 Jun 2019 1:59 am
Operator : J.Misiurewicz
Sample : RQ1906197-02
Misc : 339142 8270D LCS
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Jul 01 14:28:48 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719DS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 10:37:35 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.694	152	345292	40.00	ppm	0.00
24) d8-Naphthalene	5.854	136	1290086	40.00	ppm	0.00
42) d10-Acenaphthene	7.555	164	651148	40.00	ppm	0.00
69) d10-Phenanthrene	9.021	188	1006603	40.00	ppm	0.00
82) d12-Chrysene	12.246	240	917623	40.00	ppm	0.00
91) d12-Perylene	15.129	264	862500	40.00	ppm	0.00
System Monitoring Compounds						
4) SURR1,2-FLUOROPHENOL	3.629	112	544280	49.64	ppm	0.00
Spiked Amount 200.000	Range 10 - 70		Recovery = 24.82%			
8) SURR2,PHENOL-D6	4.357	99	445689	32.31	ppm	0.01
Spiked Amount 200.000	Range 10 - 107		Recovery = 16.16%			
25) SURR4,NITROBENZENE-D5	5.186	82	441837	45.85	ppm	0.00
Spiked Amount 100.000	Range 31 - 110		Recovery = 45.85%			
48) SURR5,2-FLUOROBIPHENYL	6.892	172	935524	44.67	ppm	0.00
Spiked Amount 100.000	Range 31 - 118		Recovery = 44.67%			
67) SURR3,2,4,6-TRIBROMOPH...	8.336	330	234502	108.51	ppm	0.00
Spiked Amount 200.000	Range 35 - 141		Recovery = 54.25%			
85) SURR6,TERPHENYL-D14	10.695	244	990957	53.98	ppm	0.00
Spiked Amount 100.000	Range 10 - 165		Recovery = 53.98%			
Target Compounds						Qvalue
2) Pyridine	2.709	79	213729	19.964	ppm	95
3) N-Nitrosodimethylamine	2.677	74	151603	29.592	ppm	98
6) Benzaldehyde	4.330	106	323359	37.382	ppm	99
7) Aniline	4.410	93	611696	35.717	ppm	98
9) Phenol	4.368	94	273466	19.881	ppm	99
10) bis(2-Clethyl)Ether	4.458	93	443980	42.880	ppm	95
11) 2-Chlorophenol	4.512	128	463767	40.757	ppm	96
12) 1,3-Diclbenzene	4.646	146	356589	28.659	ppm	97
13) 1,4-Dichlorobenzene	4.705	146	363960	28.596	ppm	99
14) 1,2-Diclbenzene	4.838	146	352405	29.418	ppm	98
15) Benzyl Alcohol	4.806	79	349735	43.426	ppm	99
16) 1-Methyl-2-pyrrolidinone	4.892	99	121852	17.758	ppm	97
17) 2,2'-oxybis(1-Chloropr...	4.918	45	500697	39.762	ppm	96
18) 2-Methylphenol	4.897	108	396056	38.983	ppm	96
19) 3+4-Methylphenol	5.036	108	398502m	38.788	ppm	
20) Acetophenone	5.047	105	1201563	81.378	ppm	85
21) N-Nitroso-Di-n-propyla...	5.041	70	328835	44.831	ppm	84
22) Hexachloroethane	5.138	117	133115	26.920	ppm	99
26) Nitrobenzene	5.202	77	443719	46.897	ppm	97
27) Isophorone	5.421	82	920049	48.376	ppm	96
28) 2-Nitrophenol	5.496	139	255399	54.557	ppm	100
29) Benzoic Acid	5.641	105	323490	53.538	ppm	95
30) 2,4-Dimethylphenol	5.528	107	478145	47.998	ppm	98
31) bis(-2-Chloroethoxy)Me...	5.619	93	621021	49.085	ppm	98
32) 2,4-Dichlorophenol	5.721	162	390561	47.661	ppm	100
33) 1,2,4-Trichlorobenzene	5.796	180	304686	32.661	ppm	98
34) Naphthalene	5.876	128	1116097	35.892	ppm	97
35) 4-Chloroaniline	5.929	127	601430	43.122	ppm	98
37) Hexachlorobutadiene	5.983	225	150742	34.340	ppm	94
38) 4-Chloro-3-methylphenol	6.389	107	415080	53.198	ppm	99
39) Caprolactam	6.282	113	33920	11.472	ppm	96
40) 2-Methylnaphthalene	6.539	142	746800	35.780	ppm	99
41) 1-Methylnaphthalene	6.635	142	750322	38.659	ppm	98

1st DM 07/01/19
2nd MP 07/02/19

Data Path : I:\ACQUDATA\5973D\Data\062819\
Data File : BS219.D
Acq On : 29 Jun 2019 1:59 am
Operator : J.Misiurewicz
Sample : RQ1906197-02
Misc : 339142 8270D LCS
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Jul 01 14:28:48 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719DS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 10:37:35 2019
Response via : Initial Calibration

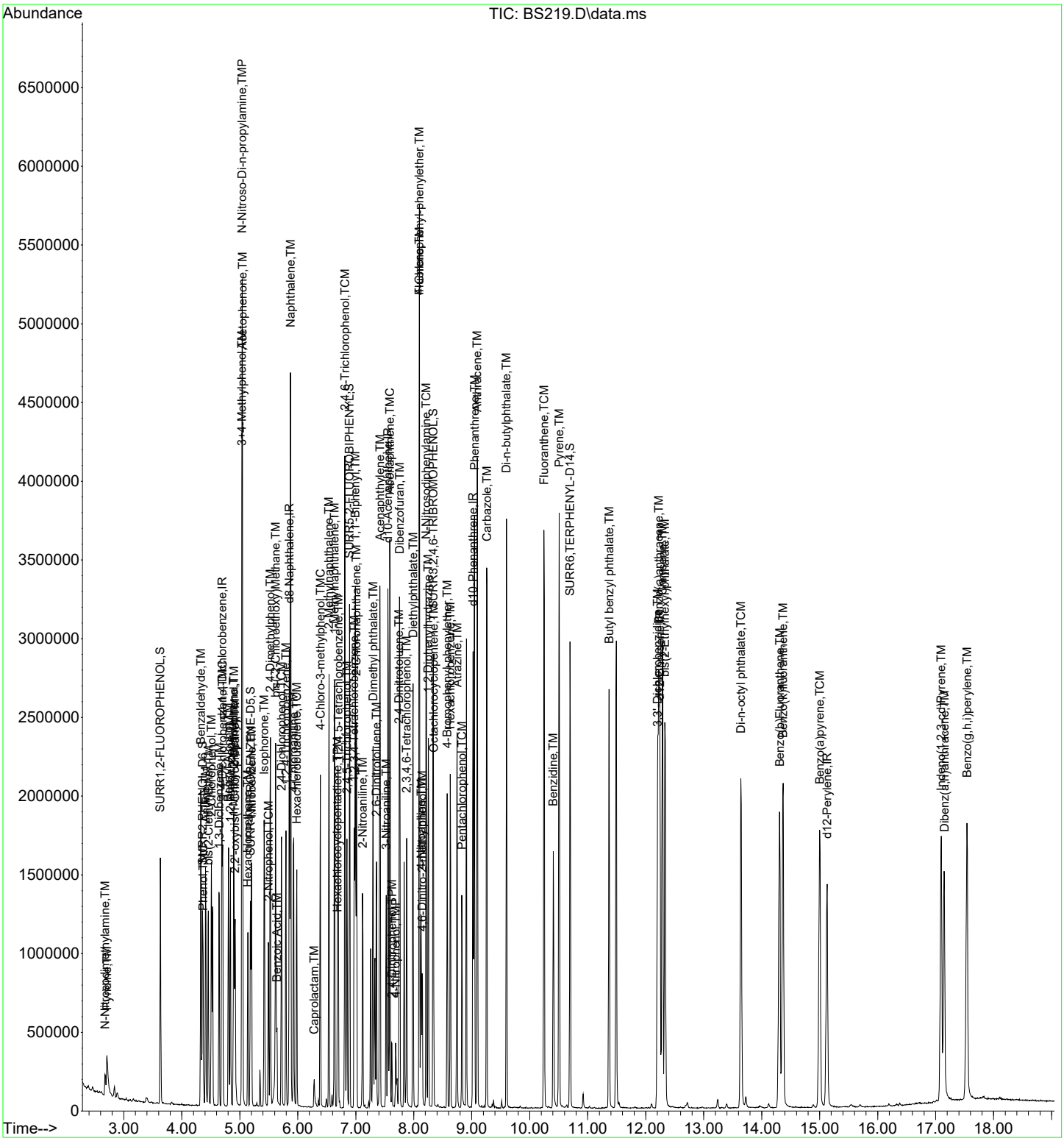
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Hexachlorocyclopentadiene	6.684	237	102096	21.008	ppm	95
44) 1,2,4,5-Tetrachloroben...	6.700	216	354771	42.494	ppm	99
45) 1,2,3,4-Tetrachloroben...	6.972	216	305232	35.929	ppm	98
46) 2,4,6-Trichlorophenol	6.812	196	267614	53.635	ppm	98
47) 2,4,5-Trichlorophenol	6.849	196	283138	53.930	ppm	99
49) 1,1'-Biphenyl	6.994	154	991927	41.327	ppm	98
50) 2-Chloronaphthalene	7.010	162	737666	34.802	ppm	97
51) 2-Nitroaniline	7.117	65	221868	45.373	ppm	91
52) Acenaphthylene	7.416	152	1278788	44.645	ppm	98
53) Dimethyl phthalate	7.299	163	958722	50.714	ppm	100
54) 2,6-Dinitrotoluene	7.357	165	229143	55.134	ppm	97
55) Acenaphthene	7.587	153	829102	44.099	ppm	99
56) 3-Nitroaniline	7.523	138	250387	48.325	ppm	98
57) 2,4-Dinitrophenol	7.625	184	68148	45.301	ppm	94
58) Dibenzofuran	7.759	168	1121496	45.805	ppm	98
59) 2,4-Dinitrotoluene	7.748	165	314253	58.468	ppm	96
60) 4-Nitrophenol	7.689	65	70015	22.853	ppm	81
62) 2,3,4,6-Tetrachlorophenol	7.876	232	191957	45.107	ppm	98
63) Fluorene	8.096	166	920295	47.809	ppm	98
64) 4-Chlorophenyl-phenyle...	8.096	204	398350	47.189	ppm	94
65) Diethylphthalate	7.989	149	1031188	55.529	ppm	99
66) 4-Nitroaniline	8.128	138	295483	48.465	ppm	99
68) Octachlorocyclopentene	8.342	307	80411	39.591	ppm	99
70) 4,6-Dinitro-2-methylph...	8.149	198	137699	57.638	ppm	98
71) 1,2 Diphenylhydrazine	8.251	77	915480	47.649	ppm	96
72) N-Nitrosodiphenylamine	8.213	169	832493	50.797	ppm	99
73) 4-Bromophenyl-phenylether	8.577	248	227542	48.822	ppm	99
74) Hexachlorobenzene	8.630	284	256479	51.190	ppm	97
75) Atrazine	8.748	215	133305	64.843	ppm	93
76) Pentachlorophenol	8.828	266	146936	51.552	ppm	97
77) Phenanthrene	9.048	178	1399608	52.238	ppm	97
78) Anthracene	9.096	178	1463080	53.800	ppm	98
79) Carbazole	9.262	167	1465771	54.983	ppm	96
80) Di-n-butylphthalate	9.599	149	1864897	60.147	ppm	99
81) Fluoranthene	10.246	202	1494906	54.197	ppm	98
83) Benzidine	10.406	184	689250	42.911	ppm	99
84) Pyrene	10.508	202	1592694	54.508	ppm	98
86) Butyl benzyl phthalate	11.369	149	826694	58.291	ppm	99
87) 3,3'-Dichlorobenzidine	12.203	252	484691	55.276	ppm	98
88) Benzo(a)anthracene	12.225	228	1398168	54.693	ppm	100
89) Chrysene	12.289	228	1366289	54.649	ppm	99
90) bis(2-Ethylhexyl)phtha...	12.332	149	1153028	57.118	ppm	99
92) Di-n-octyl phthalate	13.642	149	1932943	56.812	ppm	100
93) Benzo(b)Fluoranthene	14.311	252	1276283	53.662	ppm	93
94) Benzo(k)fluoranthene	14.370	252	1277288	54.761	ppm	99
95) Benzo(a)pyrene	15.001	252	1186892	55.257	ppm	100
96) Indeno(1,2,3-cd)Pyrene	17.097	276	1025778	58.596	ppm	99
97) Dibenz(a,h)anthracene	17.151	278	850901	45.776	ppm	96
98) Benzo(g,h,i)perylene	17.541	276	1136888	62.258	ppm	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st DM 07/01/19
2nd MP 07/02/19

Data Path : I:\ACQUDATA\5973D\Data\062819\
Data File : BS219.D
Acq On : 29 Jun 2019 1:59 am
Operator : J.Misiurewicz
Sample : RQ1906197-02
Misc : 339142 8270D LCS
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Jul 01 14:28:48 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719DS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 10:37:35 2019
Response via : Initial Calibration



1st DM 07/15/19
2nd BA 07/15/19

Data Path : I:\ACQUDATA\5973A\DATA\071219\
Data File : DS877.D
Acq On : 12 Jul 2019 7:45 am
Operator : JMisiurewicz
Sample : RQ1906656-02
Misc : 339699 8270D LCS
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 15 10:00:57 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jul 05 09:32:54 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.611	152	98902	40.00	ppm		-0.01
33) d8-Naphthalene	5.770	136	361213	40.00	ppm		-0.01
57) d10-Acenaphthene	7.474	164	177755	40.00	ppm		0.00
91) d10-Phenanthrene	8.932	188	271527	40.00	ppm		-0.01
117) d12-Chrysene	12.089	240	317061	40.00	ppm		0.00
135) d12-Perylene	14.898	264	306708	40.00	ppm		0.00
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.554	112	142433	41.46	ppm		0.00
Spiked Amount 100.000	Range 10 - 70		Recovery = 41.46%				
12) SURR2,PHENOL-D6	4.280	99	126124	29.91	ppm		0.00
Spiked Amount 100.000	Range 10 - 107		Recovery = 29.91%				
34) SURR4,NITROBENZENE-D5	5.097	82	154739	37.81	ppm		-0.01
Spiked Amount 50.000	Range 31 - 110		Recovery = 75.62%				
63) SURR5,2-FLUOROBIPHENYL	6.817	172	256592	40.58	ppm		0.00
Spiked Amount 50.000	Range 31 - 118		Recovery = 81.16%				
88) SURR3,2,4,6-TRIBROMOPH...	8.248	330	96446	81.13	ppm		0.00
Spiked Amount 100.000	Range 35 - 141		Recovery = 81.13%				
124) SURR6,TERPHENYL-D14	10.593	244	341235	49.19	ppm		0.00
Spiked Amount 50.000	Range 10 - 165		Recovery = 98.38%				
Target Compounds							Qvalue
2) Pyridine	2.624	79	75887	19.924	ppm		96
3) N-Nitrosodimethylamine	2.587	74	58578	27.054	ppm		88
10) Benzaldehyde	4.243	106	78256	29.167	ppm		97
11) Aniline	4.328	93	175938	34.582	ppm		99
13) Phenol	4.291	94	76418	18.229	ppm		97
14) bis(2-Clethyl)Ether	4.376	93	122759	35.797	ppm		92
16) 2-Chlorophenol	4.429	128	117153	34.778	ppm		100
17) 1,3-Diclbenzene	4.563	146	84582	21.990	ppm		98
18) 1,4-Dichlorobenzene	4.627	146	85992	21.209	ppm		95
19) 1,2-Diclbenzene	4.761	146	87024	22.798	ppm		94
20) Benzyl Alcohol	4.723	79	126604	40.551	ppm		96
21) 1-Methyl-2-pyrrolidinone	4.782	99	41454	21.325	ppm		95
22) 2,2'-oxybis(1-Chloropr...	4.841	45	178380	34.468	ppm		95
23) 2-Methylphenol	4.819	108	112049	36.516	ppm		99
24) 3+4-Methylphenol	4.958	108	113302	33.003	ppm		90
25) Acetophenone	4.958	105	359805	75.766	ppm		96
26) N-Nitroso-Di-n-propyla...	4.958	70	120537	42.326	ppm		92
30) Hexachloroethane	5.060	117	36741	22.277	ppm		83
32) Alpha-terpinol	5.802	121	56855	48.936	ppm		99
35) Nitrobenzene	5.113	77	159645	40.181	ppm		98
37) Isophorone	5.337	82	301210	45.374	ppm		97
38) 2-Nitrophenol	5.412	139	70637	37.395	ppm		93
39) 2,4-Dimethylphenol	5.450	107	128076	34.965	ppm		98
40) bis(-2-Chloroethoxy)Me...	5.535	93	175796	43.612	ppm		98
41) Benzoic Acid	5.546	105	163224	62.843	ppm		96
42) 2,4-Dichlorophenol	5.637	162	109554	39.566	ppm		98
44) 1,2,4-Trichlorobenzene	5.717	180	77926	24.230	ppm		97
45) Naphthalene	5.791	128	314269	30.173	ppm		99
46) 4-Chloroaniline	5.845	127	164127	39.341	ppm		98
48) Hexachlorobutadiene	5.914	225	48631	26.547	ppm		97
50) 4-Chloro-3-methylphenol	6.310	107	137449	49.532	ppm		96
52) Caprolactam	6.181	113	12868	14.579	ppm	#	84
55) 2-Methylnaphthalene	6.459	142	222527	31.908	ppm		97

Data Path : I:\ACQUDATA\5973A\DATA\071219\
Data File : DS877.D
Acq On : 12 Jul 2019 7:45 am
Operator : JMisiurewicz
Sample : RQ1906656-02
Misc : 339699 8270D LCS
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 15 10:00:57 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jul 05 09:32:54 2019
Response via : Initial Calibration

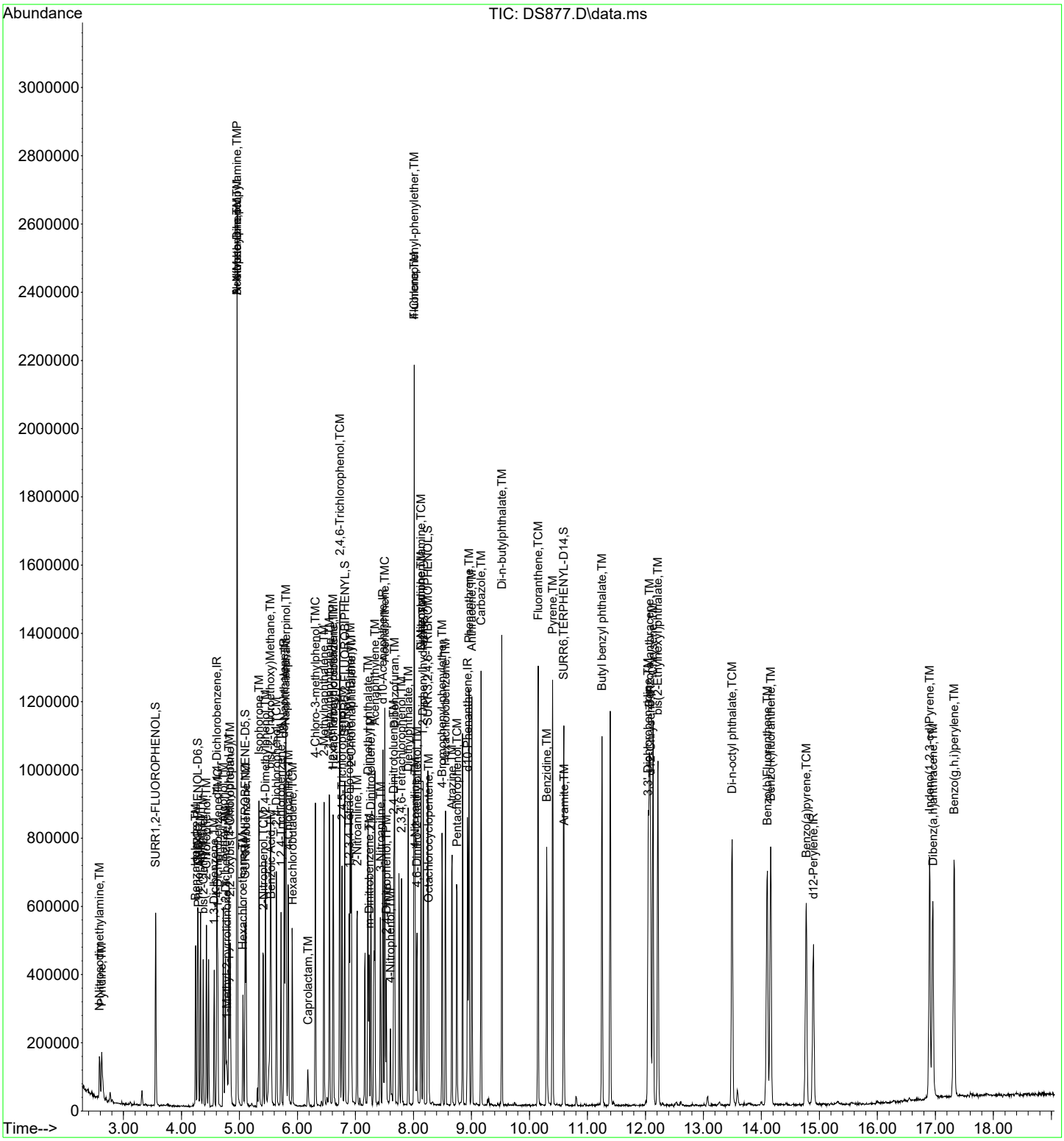
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
56) 1-Methylnaphthalene	6.550	142	224498	34.086	ppm		96
58) Hexachlorocyclopentadiene	6.614	237	34807	19.715	ppm		96
59) 1,2,4,5-Tetrachloroben...	6.619	216	107055	40.102	ppm		97
60) 1,2,3,4-Tetrachloroben...	6.892	216	84911	34.779	ppm		98
61) 2,4,6-Trichlorophenol	6.731	196	86582	49.364	ppm		99
62) 2,4,5-Trichlorophenol	6.769	196	93227	50.700	ppm		98
65) 1,1'-Biphenyl	6.913	154	267271	39.723	ppm		98
66) 2-Chloronaphthalene	6.929	162	209126	37.716	ppm		96
67) 2-Nitroaniline	7.031	65	92820	56.899	ppm		97
69) m-Dinitrobenzene	7.239	168	46745	48.404	ppm		100
70) Acenaphthylene	7.335	152	381902	41.487	ppm		98
71) Dimethyl phthalate	7.218	163	283102	49.080	ppm		99
72) 2,6-Dinitrotoluene	7.266	165	66508	52.100	ppm		81
73) Acenaphthene	7.506	153	253519	39.723	ppm		98
74) 3-Nitroaniline	7.431	138	71323	49.474	ppm		100
75) 2,4-Dinitrophenol	7.533	184	41075	46.315	ppm		96
76) Dibenzofuran	7.677	168	336374	45.056	ppm		98
77) 2,4-Dinitrotoluene	7.661	165	93440	51.720	ppm		92
78) 4-Nitrophenol	7.602	65	35028	24.605	ppm		87
82) 2,3,4,6-Tetrachlorophenol	7.794	232	66074	43.727	ppm		90
83) Fluorene	8.013	166	291217	44.369	ppm		99
84) 4-Chlorophenyl-phenyle...	8.013	204	129505	42.488	ppm		96
85) Diethylphthalate	7.912	149	295298	48.219	ppm		99
86) 4-Nitroaniline	8.029	138	86347	54.623	ppm		99
90) Octachlorocyclopentene	8.264	307	39341	34.081	ppm		94
93) 4,6-Dinitro-2-methylph...	8.061	198	56428	49.275	ppm		97
94) Diphenylamine	8.131	169	225861	52.122	ppm		98
95) 1,2 Diphenylhydrazine	8.168	77	345743	58.106	ppm		94
96) N-Nitrosodiphenylamine	8.131	169	225861	52.122	ppm		98
101) 4-Bromophenyl-phenylether	8.494	248	78606	46.560	ppm		96
102) Hexachlorobenzene	8.553	284	93571	49.049	ppm		90
104) Atrazine	8.665	215	39687	57.037	ppm		92
105) Pentachlorophenol	8.750	266	67713	53.532	ppm		96
111) Phenanthrene	8.959	178	408586	49.429	ppm		98
112) Anthracene	9.007	178	416374	51.260	ppm		100
113) Carbazole	9.167	167	443046	61.554	ppm		97
114) Di-n-butylphthalate	9.525	149	568479	61.163	ppm		98
116) Fluoranthene	10.150	202	498771	54.658	ppm		98
122) Benzidine	10.299	184	274015	51.750	ppm		99
123) Pyrene	10.401	202	527238	53.062	ppm		99
125) Aramite	10.598	185	1054	1.615	ppm	#	35
128) Butyl benzyl phthalate	11.250	149	277990	58.542	ppm		90
131) 3,3'-Dichlorobenzidine	12.046	252	189017	50.875	ppm		97
132) Benzo(a)anthracene	12.067	228	520247	50.136	ppm		98
133) Chrysene	12.131	228	518530	51.982	ppm		99
134) bis(2-Ethylhexyl)phtha...	12.217	149	376661	58.359	ppm		98
136) Di-n-octyl phthalate	13.493	149	624025	63.275	ppm		92
138) Benzo(b)Fluoranthene	14.102	252	494543	48.297	ppm		95
139) Benzo(k)fluoranthene	14.161	252	495871	53.898	ppm		98
140) Benzo(a)pyrene	14.775	252	427211	49.562	ppm		98
142) Indeno(1,2,3-cd)Pyrene	16.901	276	436275	57.215	ppm		97
143) Dibenz(a,h)anthracene	16.960	278	361121	44.447	ppm		98
144) Benzo(g,h,i)perylene	17.323	276	487944	62.173	ppm		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st JM 07/15/19
2nd BA 07/15/19

Data Path : I:\ACQUDATA\5973A\DATA\071219\
Data File : DS877.D
Acq On : 12 Jul 2019 7:45 am
Operator : JMisiurewicz
Sample : RQ1906656-02
Misc : 339699 8270D LCS
ALS Vial : 5 Sample Multiplier: 1

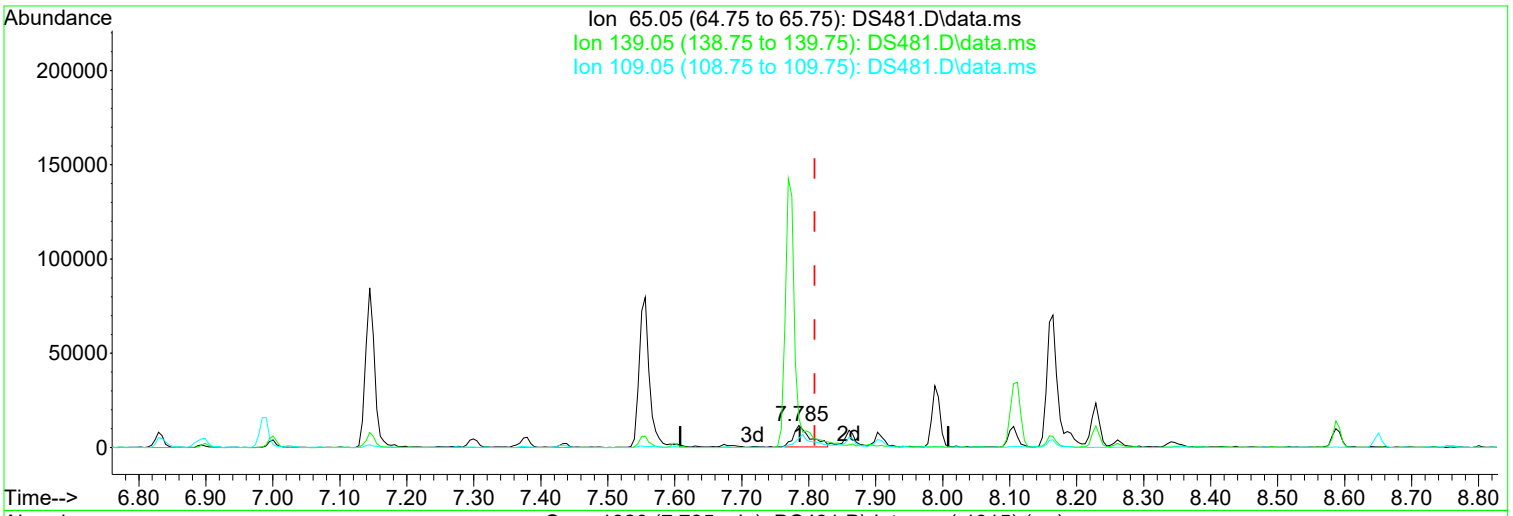
Quant Time: Jul 15 10:00:57 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jul 05 09:32:54 2019
Response via : Initial Calibration

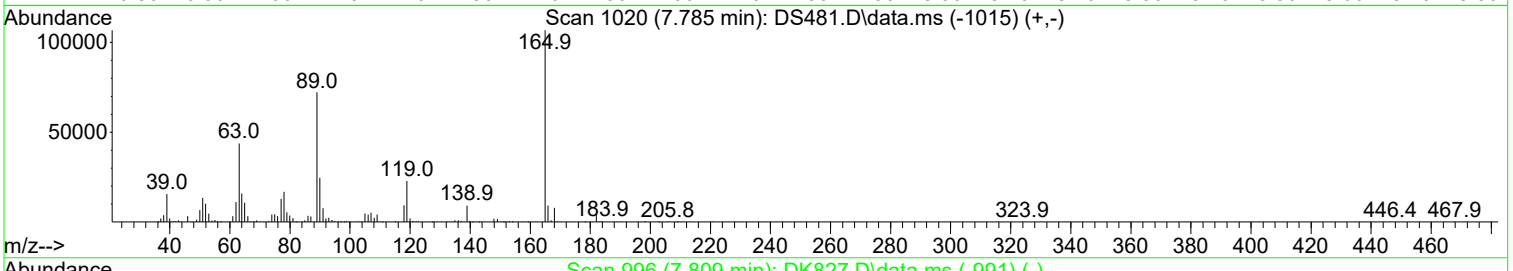


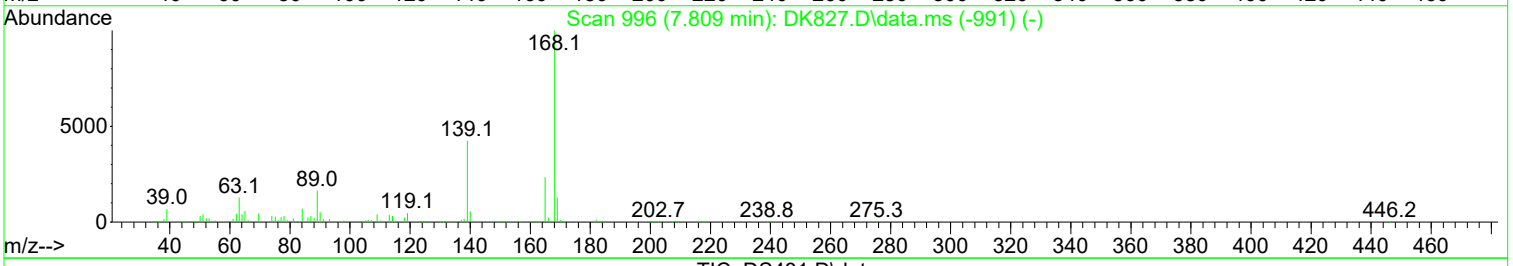
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\061819\
Data File : DS481.D
Acq On : 18 Jun 2019 4:28 pm
Operator : JMisiurewicz
Sample : RQ1905921-03
Misc : 338744 8270D/625 LCSD
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 19 11:08:31 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 14 09:13:59 2019
Response via : Initial Calibration







TIC: DS481.D\data.ms

(60) 4-Nitrophenol (TMP)

7.785min (-0.023) 14.46 ppm m

response 19648

Ion	Exp%	Act%
65.05	100.00	100.00
139.05	291.40	133.64#
109.05	65.00	42.02
0.00	0.00	0.00

Manual Integration:

After

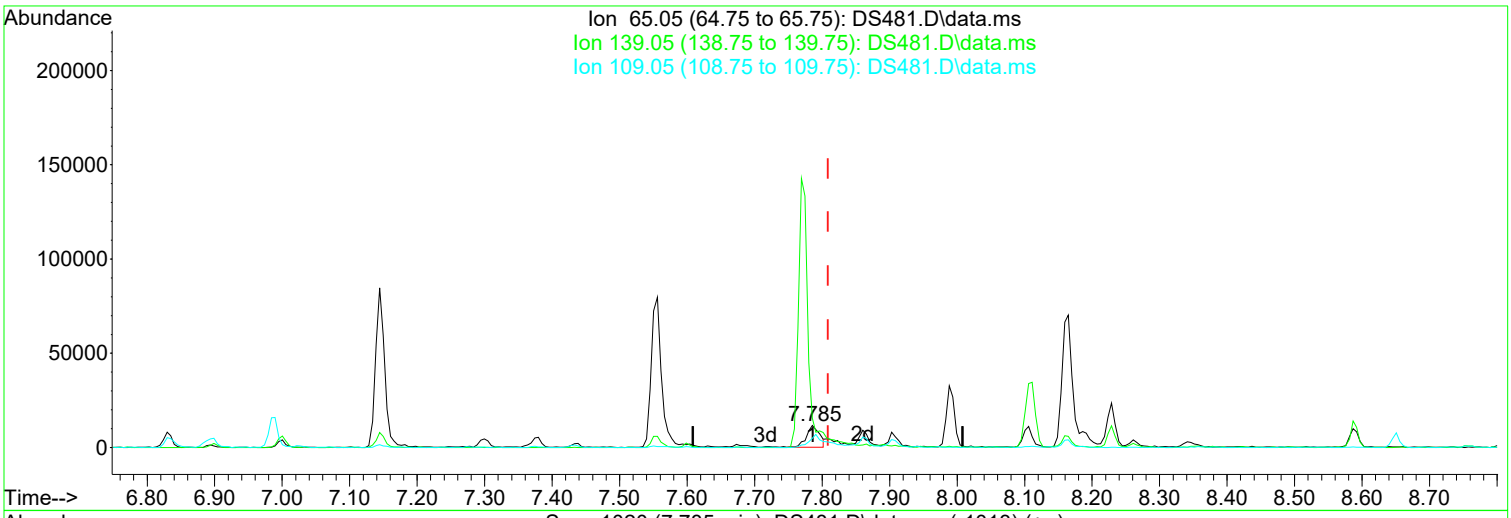
Poor integration.

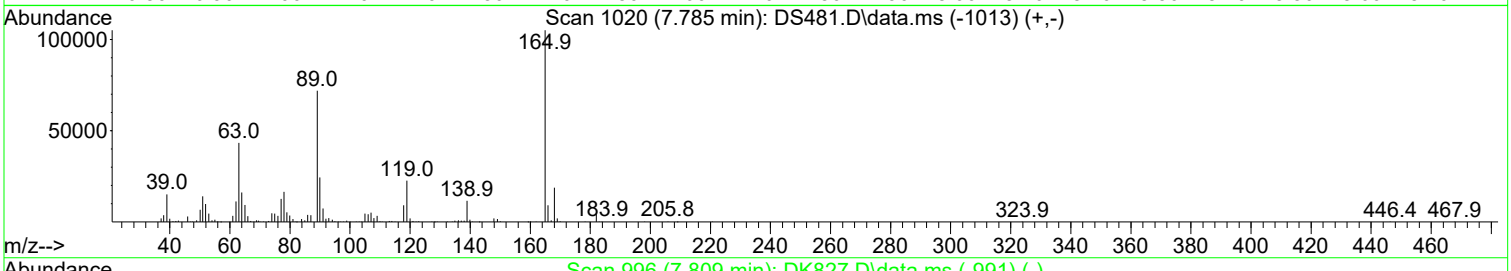
06/19/19

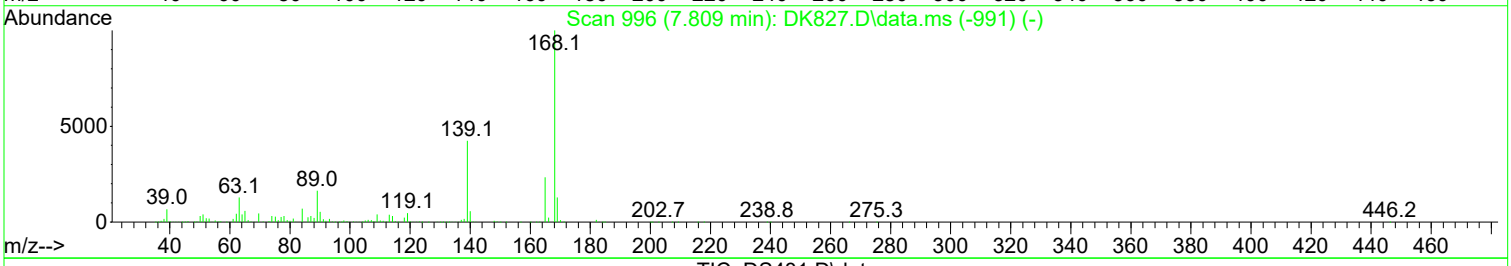
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\061819\
Data File : DS481.D
Acq On : 18 Jun 2019 4:28 pm
Operator : JMisiurewicz
Sample : RQ1905921-03
Misc : 338744 8270D/625 LCSD
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 19 11:08:31 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 14 09:13:59 2019
Response via : Initial Calibration







TIC: DS481.D\data.ms

(60) 4-Nitrophenol (TMP)

7.785min (-0.023) 11.23 ppm

response 15266

Ion	Exp%	Act%
65.05	100.00	100.00
139.05	291.40	124.40#
109.05	65.00	35.33
0.00	0.00	0.00

Manual Integration:

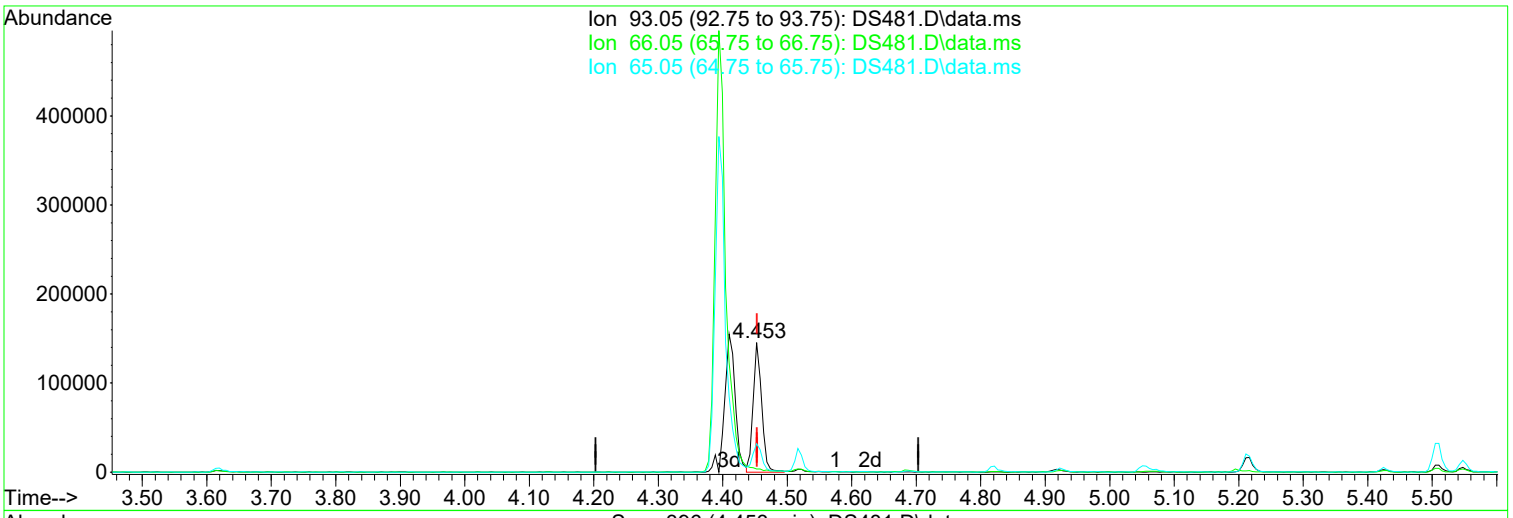
Before

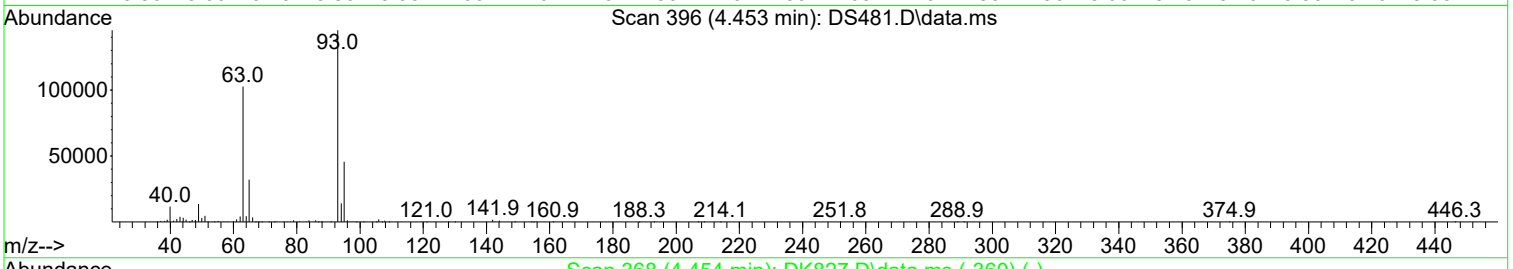
06/19/19

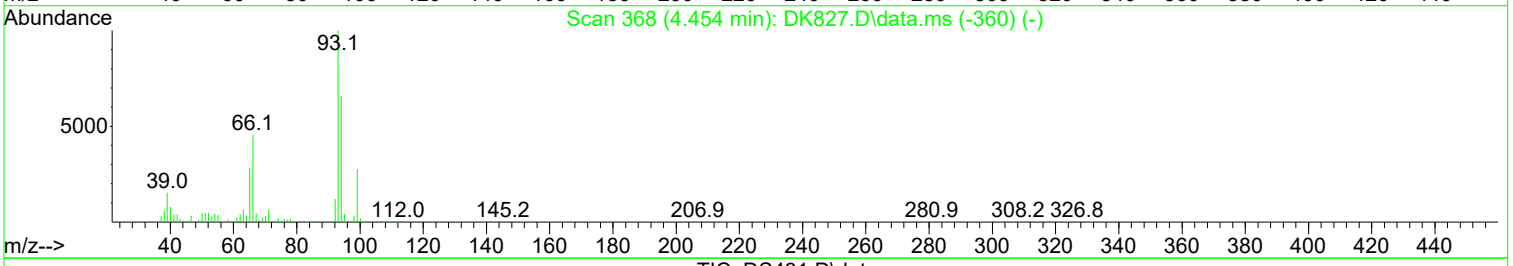
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\061819\
Data File : DS481.D
Acq On : 18 Jun 2019 4:28 pm
Operator : JMisiurewicz
Sample : RQ1905921-03
Misc : 338744 8270D/625 LCSD
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 19 11:08:31 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 14 09:13:59 2019
Response via : Initial Calibration







TIC: DS481.D\data.ms

(7) Aniline (TM)

4.453min (-0.001) 20.94 ppm m

response 132650

Ion	Exp%	Act%
93.05	100.00	100.00
66.05	33.30	2.41#
65.05	19.00	22.02
0.00	0.00	0.00

Manual Integration:

After

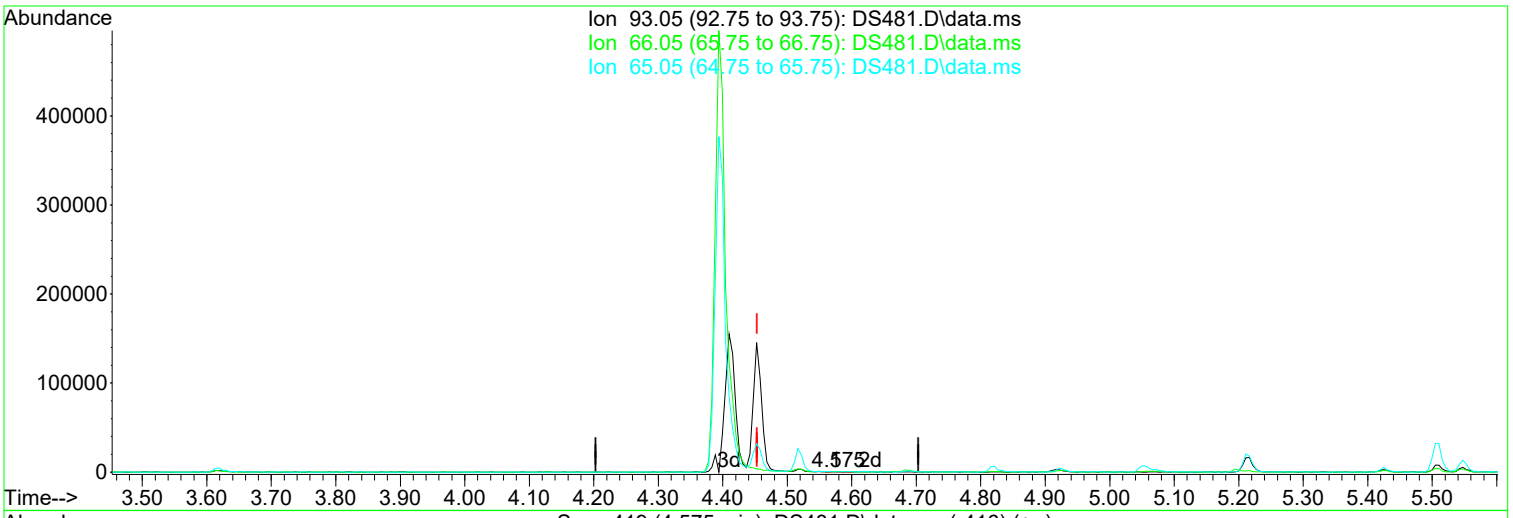
Peak not found.

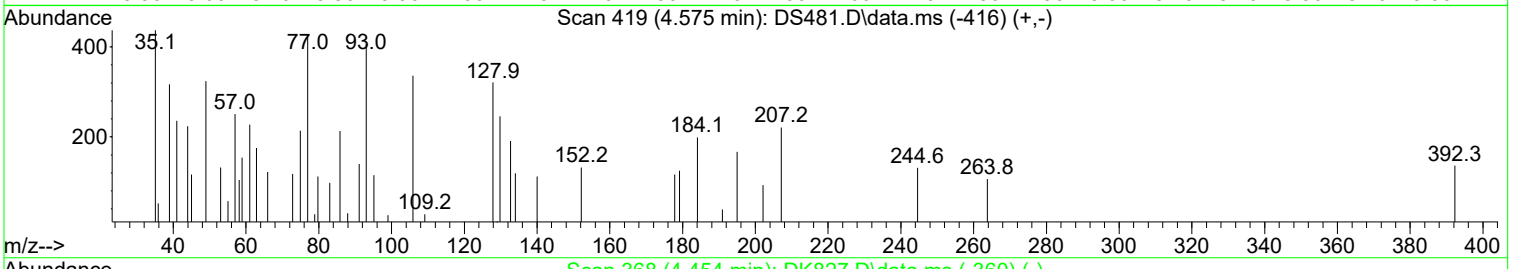
06/19/19

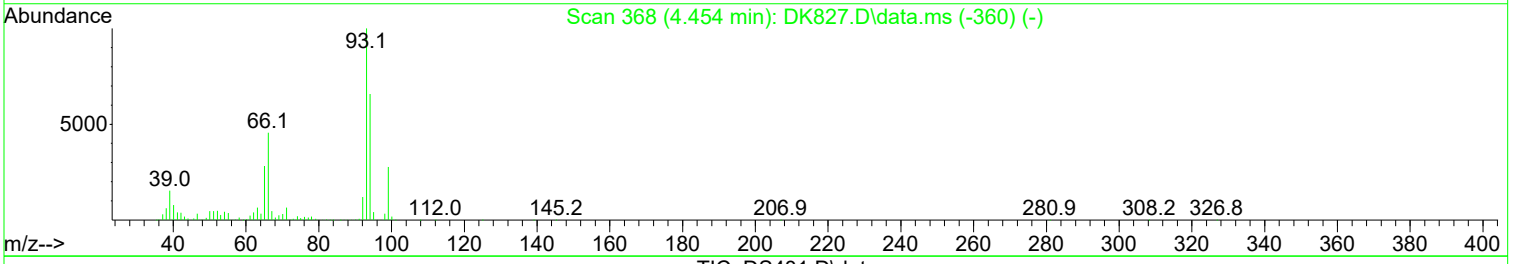
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\061819\
Data File : DS481.D
Acq On : 18 Jun 2019 4:28 pm
Operator : JMisiurewicz
Sample : RQ1905921-03
Misc : 338744 8270D/625 LCSD
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 19 11:08:31 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 14 09:13:59 2019
Response via : Initial Calibration







TIC: DS481.D\data.ms

(7) Aniline (TM)

4.575min (+ 0.122) 0.11 ppm

response 713

Ion	Exp%	Act%
93.05	100.00	100.00
66.05	33.30	30.01
65.05	19.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

06/19/19

1st DM 06/19/19
2nd MP 06/19/19

Data Path : I:\ACQUDATA\5973A\DATA\061819\
Data File : DS481.D
Acq On : 18 Jun 2019 4:28 pm
Operator : JMisiurewicz
Sample : RQ1905921-03
Misc : 338744 8270D/625 LCSD
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 19 11:08:31 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 14 09:13:59 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.688	152	111098	40.00	ppm		-0.04
24) d8-Naphthalene	5.863	136	457572	40.00	ppm		-0.04
42) d10-Acenaphthene	7.566	164	212013	40.00	ppm		-0.05
69) d10-Phenanthrene	9.041	188	316929	40.00	ppm		-0.04
82) d12-Chrysene	12.288	240	320840	40.00	ppm		-0.07
91) d12-Perylene	15.220	264	323497	40.00	ppm		-0.07
System Monitoring Compounds							
4) SURR1,2-FLUOROPHENOL	3.619	112	145454	35.99	ppm		-0.04
Spiked Amount 100.000	Range 10 - 70		Recovery = 35.99%				
8) SURR2,PHENOL-D6	4.383	99	123787	24.93	ppm		-0.04
Spiked Amount 100.000	Range 10 - 107		Recovery = 24.93%				
25) SURR4,NITROBENZENE-D5	5.195	82	143341	30.87	ppm		-0.04
Spiked Amount 50.000	Range 31 - 110		Recovery = 61.74%				
48) SURR5,2-FLUOROBIPHENYL	6.899	172	276525	34.30	ppm		-0.05
Spiked Amount 50.000	Range 31 - 118		Recovery = 68.60%				
67) SURR3,2,4,6-TRIBROMOPH...	8.357	330	84915	97.81	ppm		-0.04
Spiked Amount 100.000	Range 35 - 141		Recovery = 97.81%				
85) SURR6,TERPHENYL-D14	10.718	244	297535	39.37	ppm		-0.05
Spiked Amount 50.000	Range 10 - 165		Recovery = 78.74%				
Target Compounds							Qvalue
2) Pyridine	2.562	79	76802	17.697	ppm		93
3) N-Nitrosodimethylamine	2.524	74	51177	19.732	ppm		96
6) Benzaldehyde	4.324	106	102709	36.141	ppm		98
7) Aniline	4.453	93	132650m	20.936	ppm		
9) Phenol	4.394	94	1491911	274.776	ppm		97
10) bis(2-Clethyl)Ether	4.453	93	132625	35.303	ppm		95
11) 2-Chlorophenol	4.517	128	122629	28.753	ppm		97
12) 1,3-Diclbenzene	4.640	146	105098	23.678	ppm		95
13) 1,4-Dichlorobenzene	4.704	146	108973	23.991	ppm		99
14) 1,2-Diclbenzene	4.837	146	107352	24.735	ppm		99
15) Benzyl Alcohol	4.821	79	96582	33.436	ppm		98
16) 1-Methyl-2-pyrrolidinone	4.869	99	33834	12.816	ppm		91
17) 2,2'-oxybis(1-Chloropr...	4.917	45	157480	43.625	ppm		85
18) 2-Methylphenol	4.923	108	114551	29.933	ppm		94
19) 3+4-Methylphenol	5.067	108	112646	26.015	ppm		97
20) Acetophenone	5.051	105	353872	65.799	ppm		97
21) N-Nitroso-Di-n-propyla...	5.040	70	104067	35.878	ppm	#	72
22) Hexachloroethane	5.136	117	42936	24.558	ppm		99
23) Alpha-terpinol	5.879	121	58187	41.001	ppm		96
26) Nitrobenzene	5.211	77	142318	30.516	ppm		95
27) Isophorone	5.425	82	279388	35.941	ppm		97
28) 2-Nitrophenol	5.505	139	76787	31.824	ppm		97
29) 2,4-Dimethylphenol	5.547	107	140991	32.448	ppm		98
30) bis(-2-Chloroethoxy)Me...	5.622	93	177005	38.728	ppm		99
31) Benzoic Acid	5.665	105	124425	68.681	ppm		92
32) 2,4-Dichlorophenol	5.750	162	108843	31.625	ppm		98
33) 1,2,4-Trichlorobenzene	5.804	180	88318	24.338	ppm		98
34) Naphthalene	5.879	128	338975	26.879	ppm		99
35) 4-Chloroaniline	5.943	127	156367	29.632	ppm		97
37) Hexachlorobutadiene	5.980	225	48105	26.163	ppm		91
38) 4-Chloro-3-methylphenol	6.429	107	117150	34.081	ppm		94
39) Caprolactam	6.285	113	11699	8.576	ppm		87
40) 2-Methylnaphthalene	6.546	142	228336	27.977	ppm		97

1st DM 06/19/19
2nd MP 06/19/19

Data Path : I:\ACQUDATA\5973A\DATA\061819\
Data File : DS481.D
Acq On : 18 Jun 2019 4:28 pm
Operator : JMisiurewicz
Sample : RQ1905921-03
Misc : 338744 8270D/625 LCSD
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 19 11:08:31 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 14 09:13:59 2019
Response via : Initial Calibration

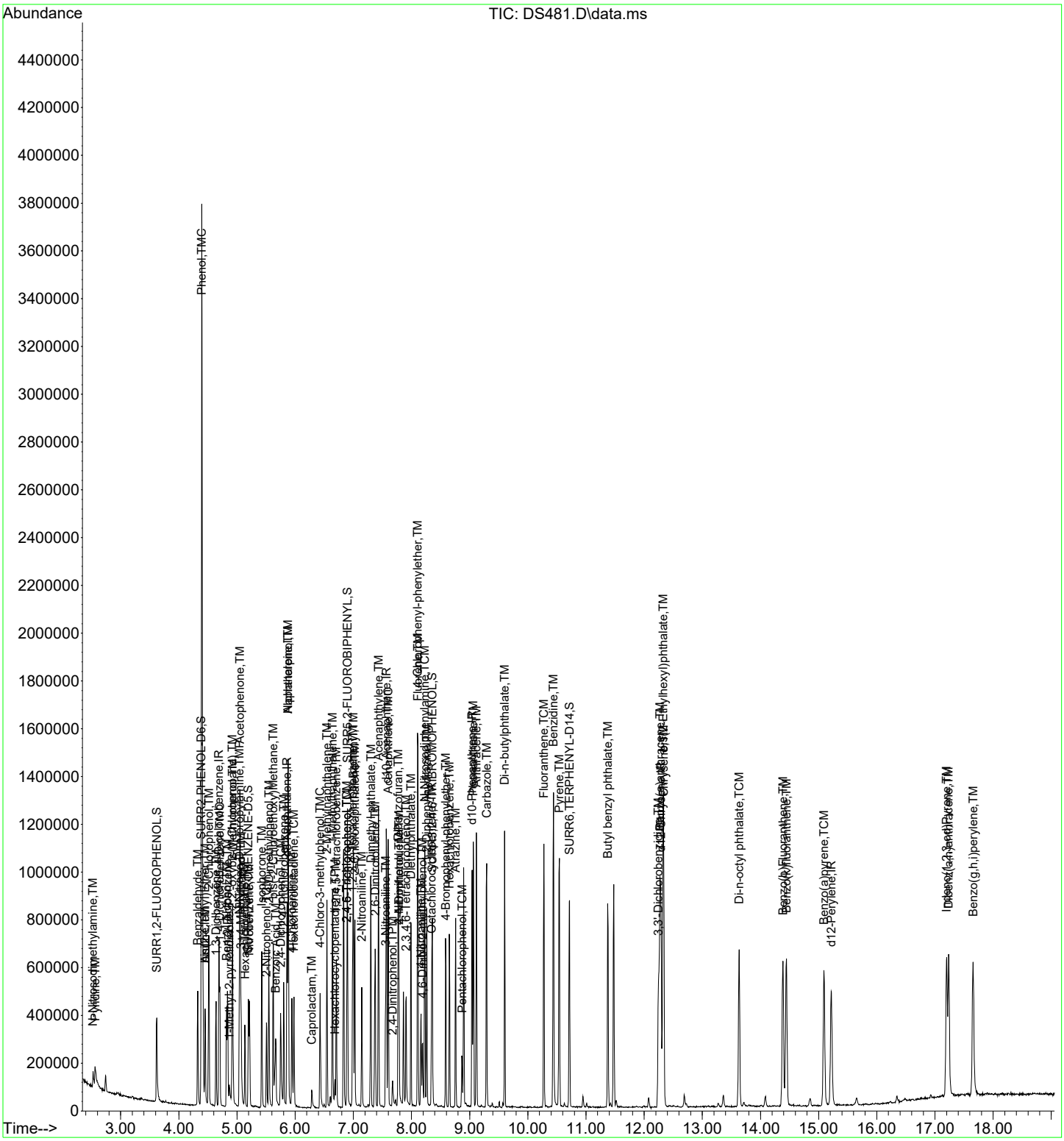
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1-Methylnaphthalene	6.642	142	232495	30.448	ppm	97
43) Hexachlorocyclopentadiene	6.685	237	13518	11.883	ppm	93
44) 1,2,4,5-Tetrachloroben...	6.707	216	105964	33.959	ppm	94
45) 1,2,3,4-Tetrachloroben...	6.990	216	89419	27.214	ppm	94
46) 2,4,6-Trichlorophenol	6.888	196	84677	42.844	ppm	98
47) 2,4,5-Trichlorophenol	6.888	196	84939	39.958	ppm	97
49) 1,1'-Biphenyl	7.000	154	296791	31.600	ppm	98
50) 2-Chloronaphthalene	7.027	162	220636	32.502	ppm	97
51) 2-Nitroaniline	7.144	65	80184	41.323	ppm	97
52) Acenaphthylene	7.433	152	393969	36.234	ppm	99
53) Dimethyl phthalate	7.305	163	285355	35.954	ppm	100
54) 2,6-Dinitrotoluene	7.379	165	72949	40.486	ppm	86
55) Acenaphthene	7.598	153	256421	33.901	ppm	97
56) 3-Nitroaniline	7.556	138	70565	34.067	ppm	98
57) 2,4-Dinitrophenol	7.673	184	22370	39.300	ppm	90
58) Dibenzofuran	7.769	168	344403	36.873	ppm	92
59) 2,4-Dinitrotoluene	7.785	165	95134	39.978	ppm	79
60) 4-Nitrophenol	7.785	65	19648m	14.458	ppm	
62) 2,3,4,6-Tetrachlorophenol	7.908	232	65505	45.931	ppm	95
63) Fluorene	8.111	166	296553	38.616	ppm	99
64) 4-Chlorophenyl-phenyle...	8.106	204	132903	42.897	ppm	91
65) Diethylphthalate	7.994	149	281121	35.766	ppm	97
66) 4-Nitroaniline	8.165	138	79782	39.049	ppm	98
68) Octachlorocyclopentene	8.346	307	31827	31.870	ppm	97
70) 4,6-Dinitro-2-methylph...	8.191	198	43976	35.996	ppm	96
71) 1,2 Diphenylhydrazine	8.261	77	293309	41.503	ppm	95
72) N-Nitrosodiphenylamine	8.229	169	239389	42.745	ppm	99
73) 4-Bromophenyl-phenylether	8.592	248	79941	48.239	ppm	92
74) Hexachlorobenzene	8.651	284	87524	46.965	ppm	97
75) Atrazine	8.757	215	41893	46.231	ppm	89
76) Pentachlorophenol	8.870	266	31281	50.145	ppm	98
77) Phenanthrene	9.062	178	403002	40.209	ppm	98
78) Anthracene	9.115	178	406254	40.794	ppm	98
79) Carbazole	9.292	167	415576	42.482	ppm	99
80) Di-n-butylphthalate	9.601	149	537470	42.508	ppm	100
81) Fluoranthene	10.274	202	449273	43.784	ppm	98
83) Benzidine	10.440	184	574530	76.316	ppm	99
84) Pyrene	10.541	202	470163	39.906	ppm	99
86) Butyl benzyl phthalate	11.375	149	241784	36.993	ppm	100
87) 3,3'-Dichlorobenzidine	12.245	252	160537	37.618	ppm	97
88) Benzo(a)anthracene	12.272	228	437726	40.179	ppm	98
89) Chrysene	12.336	228	419287	41.835	ppm	98
90) bis(2-Ethylhexyl)phtha...	12.325	149	335285	37.279	ppm	99
92) Di-n-octyl phthalate	13.634	149	537281	34.996	ppm	99
93) Benzo(b)Fluoranthene	14.387	252	419625	38.979	ppm	98
94) Benzo(k)fluoranthene	14.446	252	418703	41.065	ppm	97
95) Benzo(a)pyrene	15.092	252	394103	42.569	ppm	98
96) Indeno(1,2,3-cd)Pyrene	17.202	276	403517	44.444	ppm	97
97) Dibenz(a,h)anthracene	17.234	278	373634	39.276	ppm	98
98) Benzo(g,h,i)perylene	17.656	276	412821	52.756	ppm	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\061819\
Data File : DS481.D
Acq On : 18 Jun 2019 4:28 pm
Operator : JMisiurewicz
Sample : RQ1905921-03
Misc : 338744 8270D/625 LCSD
ALS Vial : 7 Sample Multiplier: 1

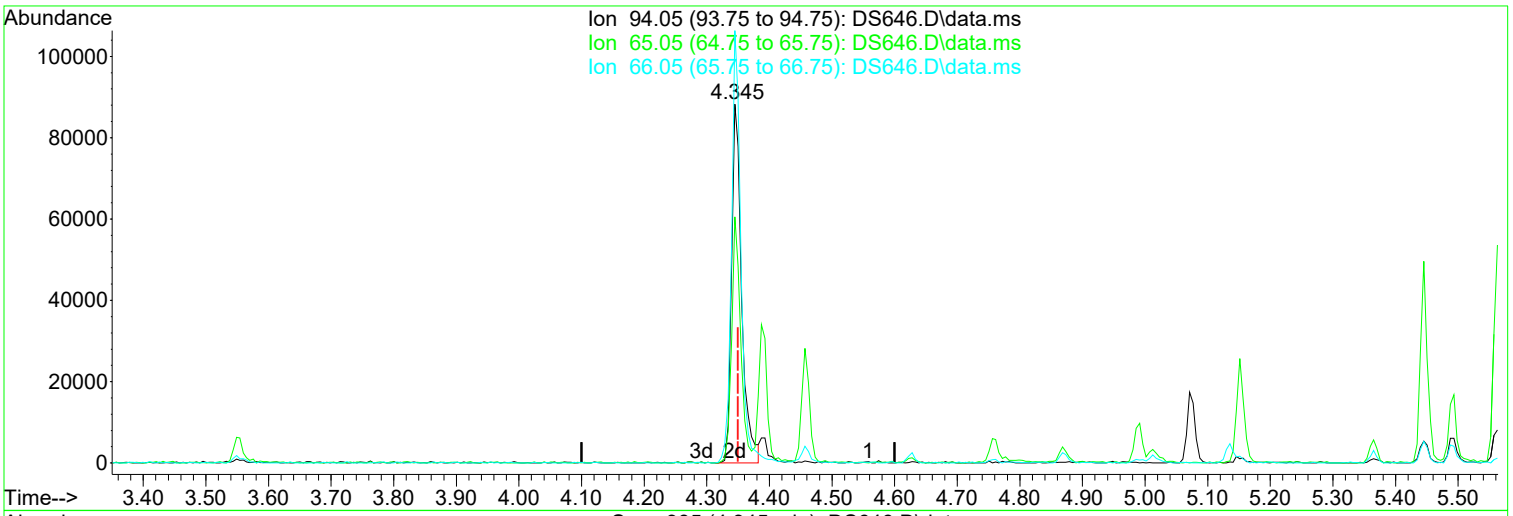
Quant Time: Jun 19 11:08:31 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 14 09:13:59 2019
Response via : Initial Calibration

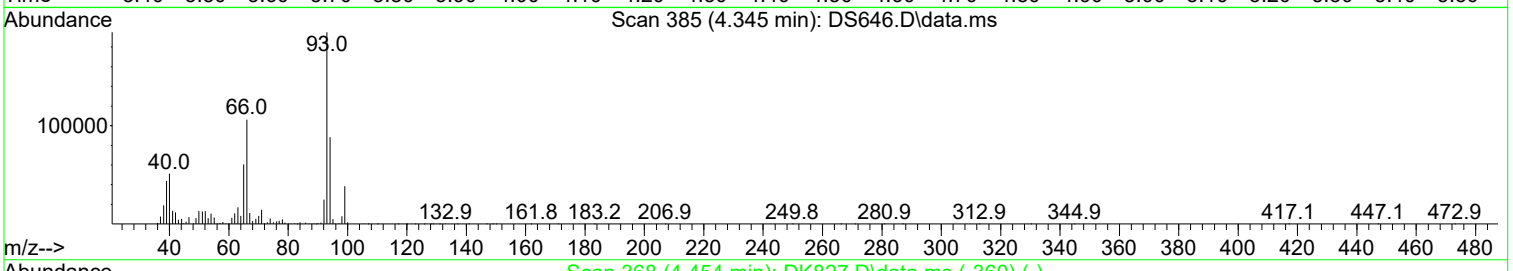


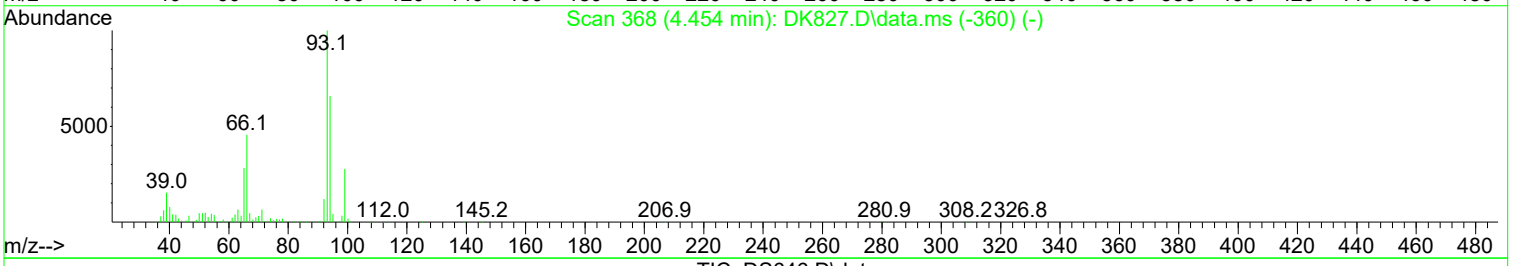
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\062419\
Data File : DS646.D
Acq On : 24 Jun 2019 7:27 pm
Operator : JMisiurewicz
Sample : RQ1906197-03
Misc : 339142 8270D LCSD
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 26 10:42:45 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jun 26 10:42:04 2019
Response via : Initial Calibration







TIC: DS646.D\data.ms

(13) Phenol (TMC)

4.345min (-0.005) 19.10 ppm m

response 99676

Ion	Exp%	Act%
94.05	100.00	100.00
65.05	27.10	68.65#
66.05	34.10	120.53#
0.00	0.00	0.00

Manual Integration:

After

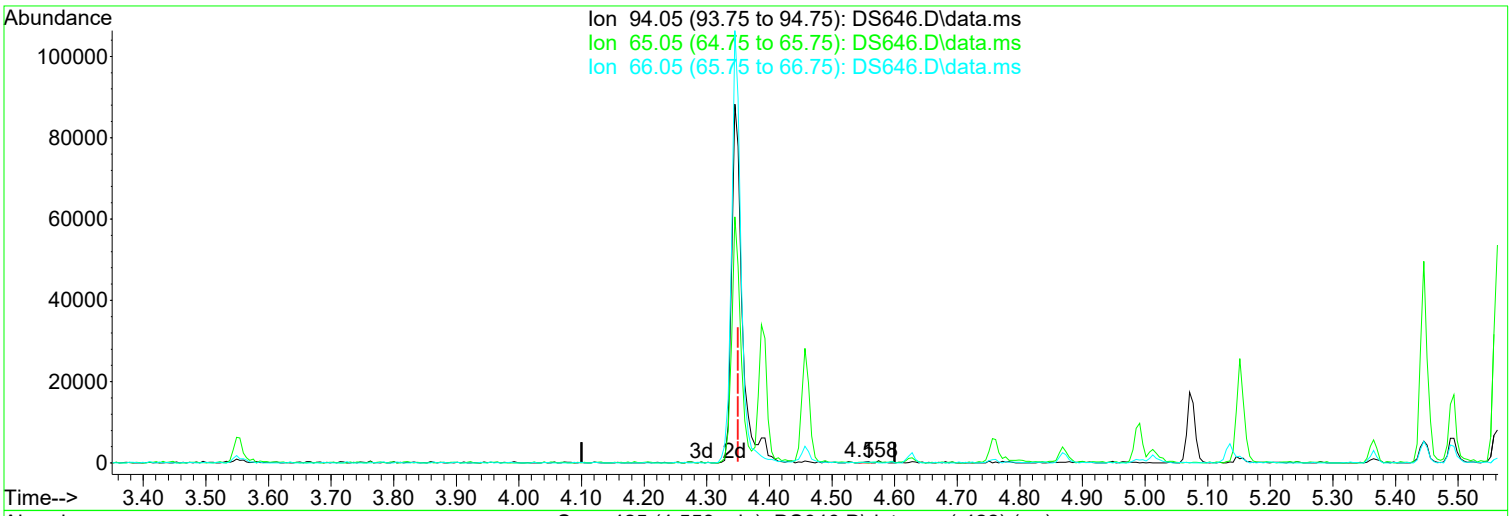
Poor integration.

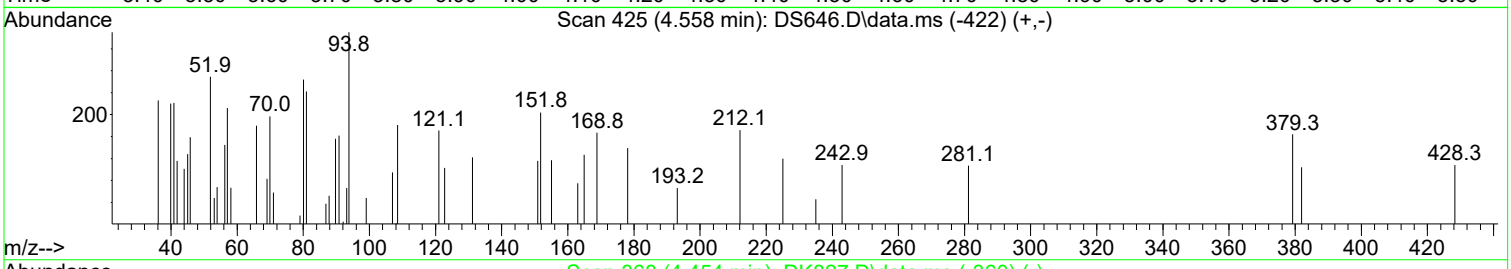
06/26/19

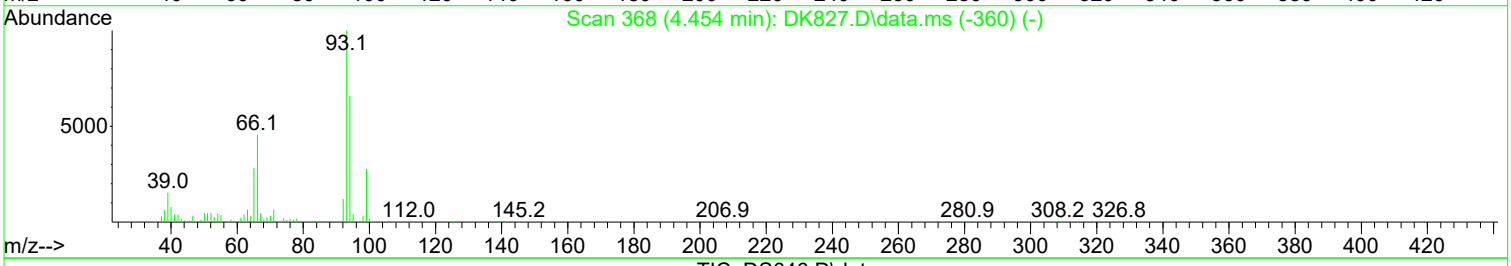
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\062419\
Data File : DS646.D
Acq On : 24 Jun 2019 7:27 pm
Operator : JMisiurewicz
Sample : RQ1906197-03
Misc : 339142 8270D LCSD
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 26 10:42:45 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jun 26 10:42:04 2019
Response via : Initial Calibration







TIC: DS646.D\data.ms

(13) Phenol (TMC)

4.558min (+ 0.208) 0.04 ppm

response 230

Ion	Exp%	Act%
94.05	100.00	100.00
65.05	27.10	0.00
66.05	34.10	7.43
0.00	0.00	0.00

Manual Integration:

Before

06/26/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\062419\
Data File : DS646.D
Acq On : 24 Jun 2019 7:27 pm
Operator : JMisiurewicz
Sample : RQ1906197-03
Misc : 339142 8270D LCSD
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 26 10:42:45 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jun 26 10:42:04 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.628	152	106758	40.00	ppm		0.00
33) d8-Naphthalene	5.798	136	391935	40.00	ppm		0.00
57) d10-Acenaphthene	7.512	164	205557	40.00	ppm		0.00
91) d10-Phenanthrene	8.981	188	314764	40.00	ppm		0.00
117) d12-Chrysene	12.202	240	318138	40.00	ppm		-0.01
135) d12-Perylene	15.107	264	310850	40.00	ppm		-0.01
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.549	112	149936	38.61	ppm		0.00
Spiked Amount 100.000	Range 10 - 70		Recovery = 38.61%				
12) SURR2,PHENOL-D6	4.334	99	127907	26.81	ppm		0.00
Spiked Amount 100.000	Range 10 - 107		Recovery = 26.81%				
34) SURR4,NITROBENZENE-D5	5.135	82	149951	37.70	ppm		0.00
Spiked Amount 50.000	Range 31 - 110		Recovery = 75.40%				
63) SURR5,2-FLUOROBIPHENYL	6.839	172	293647	37.57	ppm		0.00
Spiked Amount 50.000	Range 31 - 118		Recovery = 75.14%				
88) SURR3,2,4,6-TRIBROMOPH...	8.297	330	88487	105.12	ppm		0.00
Spiked Amount 100.000	Range 35 - 141		Recovery = 105.12%				
124) SURR6,TERPHENYL-D14	10.647	244	343220	45.80	ppm		0.00
Spiked Amount 50.000	Range 10 - 165		Recovery = 91.60%				
Target Compounds							Qvalue
2) Pyridine	2.449	79	83311	19.977	ppm		90
3) N-Nitrosodimethylamine	2.417	74	58870	23.621	ppm		97
10) Benzaldehyde	4.259	106	104182	38.149	ppm		92
11) Aniline	4.345	93	186357	30.608	ppm		67
13) Phenol	4.345	94	99676m	19.104	ppm		
14) bis(2-Clethyl)Ether	4.388	93	134555	37.273	ppm		92
16) 2-Chlorophenol	4.457	128	137007	33.430	ppm		98
17) 1,3-Diclbenzene	4.574	146	110985	26.021	ppm		96
18) 1,4-Dichlorobenzene	4.644	146	114523	26.238	ppm		98
19) 1,2-Diclbenzene	4.777	146	114736	27.512	ppm		97
20) Benzyl Alcohol	4.756	79	106916	38.519	ppm		96
21) 1-Methyl-2-pyrrolidinone	4.788	99	39797	15.688	ppm		88
22) 2,2'-oxybis(1-Chloropr...	4.858	45	169712	48.925	ppm	#	71
23) 2-Methylphenol	4.868	108	119696	32.549	ppm		96
24) 3+4-Methylphenol	5.012	108	117363	28.206	ppm		93
25) Acetophenone	4.991	105	380144	73.557	ppm		99
26) N-Nitroso-Di-n-propyla...	4.980	70	110465	39.632	ppm	#	76
30) Hexachloroethane	5.071	117	42378	25.224	ppm		99
32) Alpha-terpinol	5.819	121	63170	46.322	ppm		87
35) Nitrobenzene	5.151	77	155440	38.912	ppm		94
37) Isophorone	5.365	82	305379	45.864	ppm		99
38) 2-Nitrophenol	5.445	139	81417	39.393	ppm		82
39) 2,4-Dimethylphenol	5.493	107	162737	43.725	ppm		91
40) bis(-2-Chloroethoxy)Me...	5.563	93	183312	46.824	ppm		98
41) Benzoic Acid	5.616	105	125158	78.012	ppm		91
42) 2,4-Dichlorophenol	5.691	162	126029	42.751	ppm		94
44) 1,2,4-Trichlorobenzene	5.744	180	97878	31.489	ppm		99
45) Naphthalene	5.819	128	365604	33.845	ppm		99
46) 4-Chloroaniline	5.883	127	181352	40.122	ppm		100
48) Hexachlorobutadiene	5.920	225	56402	35.813	ppm		100
50) 4-Chloro-3-methylphenol	6.374	107	132379	44.961	ppm		98
52) Caprolactam	6.220	113	14181	12.136	ppm		81
55) 2-Methylnaphthalene	6.487	142	238202	34.074	ppm		99

1st DM 06/26/19
2nd BA 06/26/19

Data Path : I:\ACQUDATA\5973A\DATA\062419\
Data File : DS646.D
Acq On : 24 Jun 2019 7:27 pm
Operator : JMisiurewicz
Sample : RQ1906197-03
Misc : 339142 8270D LCSD
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 26 10:42:45 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jun 26 10:42:04 2019
Response via : Initial Calibration

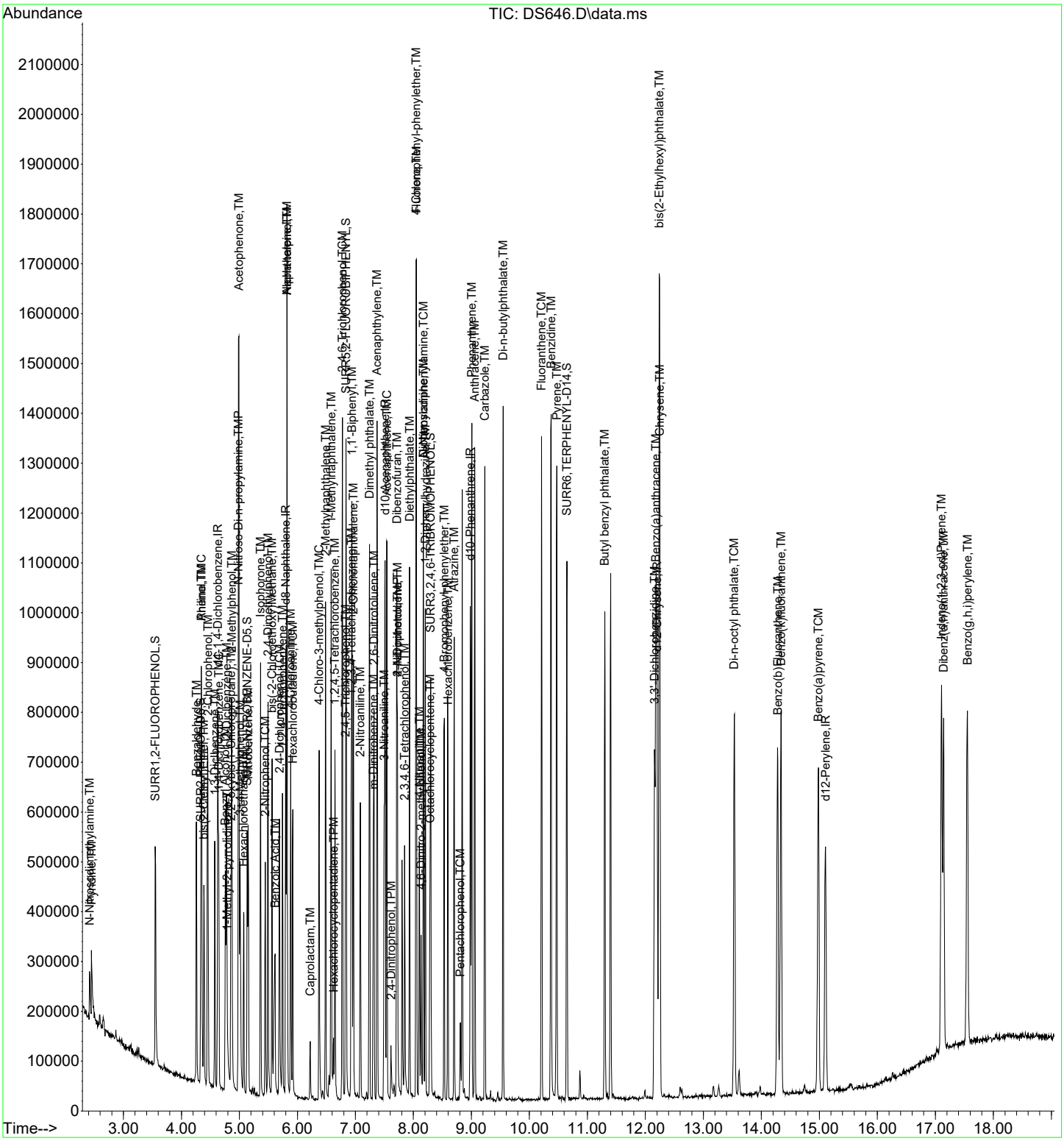
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
56) 1-Methylnaphthalene	6.583	142	239622	36.637	ppm		98
58) Hexachlorocyclopentadiene	6.625	237	14829	13.219	ppm		98
59) 1,2,4,5-Tetrachloroben...	6.647	216	113122	37.391	ppm		96
60) 1,2,3,4-Tetrachloroben...	6.930	216	97741	30.681	ppm		99
61) 2,4,6-Trichlorophenol	6.775	196	91288	47.640	ppm		99
62) 2,4,5-Trichlorophenol	6.828	196	92919	45.084	ppm		99
65) 1,1'-Biphenyl	6.941	154	307479	33.766	ppm		98
66) 2-Chloronaphthalene	6.967	162	232697	35.355	ppm		99
67) 2-Nitroaniline	7.085	65	90423	48.063	ppm		90
69) m-Dinitrobenzene	7.309	168	58831	45.496	ppm		92
70) Acenaphthylene	7.373	152	424214	40.241	ppm		99
71) Dimethyl phthalate	7.245	163	322124	41.861	ppm		99
72) 2,6-Dinitrotoluene	7.320	165	78373	44.862	ppm		90
73) Acenaphthene	7.544	153	276611	37.719	ppm		96
74) 3-Nitroaniline	7.496	138	81419	40.542	ppm		98
75) 2,4-Dinitrophenol	7.614	184	19090	35.470	ppm		97
76) Dibenzofuran	7.715	168	368208	40.660	ppm		94
77) 2,4-Dinitrotoluene	7.726	165	104227	45.174	ppm		80
78) 4-Nitrophenol	7.726	65	22829	17.326	ppm	#	18
82) 2,3,4,6-Tetrachlorophenol	7.849	232	62915	45.501	ppm		92
83) Fluorene	8.052	166	309302	41.541	ppm		99
84) 4-Chlorophenyl-phenyle...	8.046	204	133255	44.362	ppm		97
85) Diethylphthalate	7.934	149	331465	43.495	ppm		99
86) 4-Nitroaniline	8.105	138	84669	42.743	ppm		99
90) Octachlorocyclopentene	8.287	307	31500	32.534	ppm		94
93) 4,6-Dinitro-2-methylph...	8.132	198	44883	36.992	ppm		93
94) Diphenylamine	8.174	169	265773	47.782	ppm		98
95) 1,2 Diphenylhydrazine	8.206	77	315086	44.891	ppm		97
96) N-Nitrosodiphenylamine	8.174	169	265773	47.782	ppm		98
101) 4-Bromophenyl-phenylether	8.532	248	86434	52.516	ppm		90
102) Hexachlorobenzene	8.596	284	95831	51.776	ppm		87
104) Atrazine	8.703	215	47046	52.274	ppm		96
105) Pentachlorophenol	8.810	266	21113	36.209	ppm		93
111) Phenanthrene	9.008	178	458142	46.024	ppm		99
112) Anthracene	9.056	178	477388	48.267	ppm		99
113) Carbazole	9.232	167	460281	47.376	ppm		98
114) Di-n-butylphthalate	9.547	149	593244	47.242	ppm		100
116) Fluoranthene	10.209	202	516838	50.715	ppm		98
122) Benzidine	10.375	184	569485	76.289	ppm		99
123) Pyrene	10.471	202	533954	45.706	ppm		99
128) Butyl benzyl phthalate	11.299	149	272691	42.076	ppm		97
131) 3,3'-Dichlorobenzidine	12.159	252	187903	44.404	ppm		97
132) Benzo(a)anthracene	12.180	228	487869	45.162	ppm		99
133) Chrysene	12.250	228	480207	48.321	ppm		99
134) bis(2-Ethylhexyl)phtha...	12.239	149	382830	42.926	ppm		98
136) Di-n-octyl phthalate	13.531	149	641448	43.481	ppm		99
138) Benzo(b)Fluoranthene	14.285	252	469185	45.356	ppm		96
139) Benzo(k)fluoranthene	14.338	252	472415	48.218	ppm		97
140) Benzo(a)pyrene	14.984	252	441361	49.613	ppm		98
142) Indeno(1,2,3-cd)Pyrene	17.105	276	452263	51.840	ppm		93
143) Dibenz(a,h)anthracene	17.142	278	392278	42.914	ppm		95
144) Benzo(g,h,i)perylene	17.553	276	456924	60.768	ppm		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st JM 06/26/19
2nd BA 06/26/19

Data Path : I:\ACQUDATA\5973A\DATA\062419\
Data File : DS646.D
Acq On : 24 Jun 2019 7:27 pm
Operator : JMisiurewicz
Sample : RQ1906197-03
Misc : 339142 8270D LCSD
ALS Vial : 11 Sample Multiplier: 1

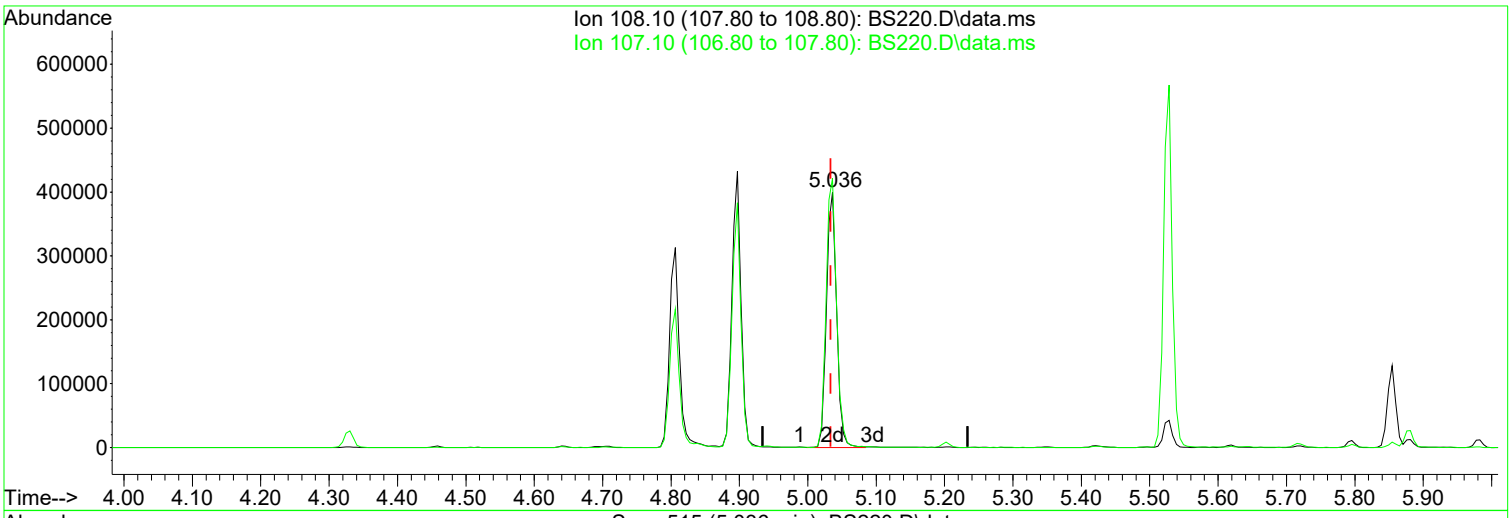
Quant Time: Jun 26 10:42:45 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jun 26 10:42:04 2019
Response via : Initial Calibration

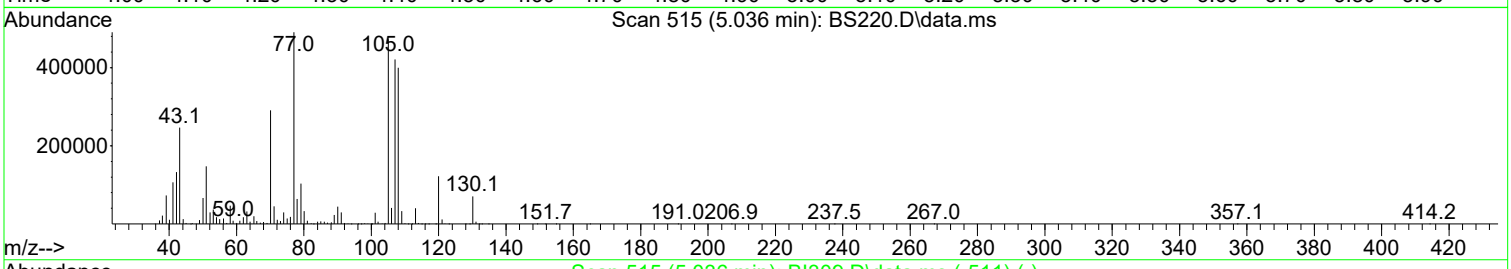


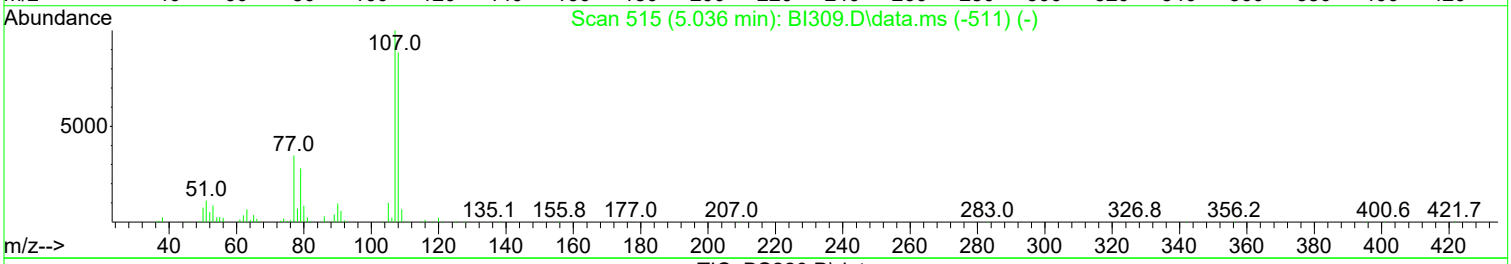
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\062819\
Data File : BS220.D
Acq On : 29 Jun 2019 2:29 am
Operator : J.Misiurewicz
Sample : RQ1906197-03
Misc : 339142 8270D LCSD
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Jul 01 14:28:52 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719DS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 10:37:35 2019
Response via : Initial Calibration







TIC: BS220.D\data.ms

(19) 3+4-Methylphenol (TM)

5.036min (+ 0.002) 39.08 ppm m

response 409268

Ion	Exp%	Act%
108.10	100.00	100.00
107.10	83.50	105.46#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

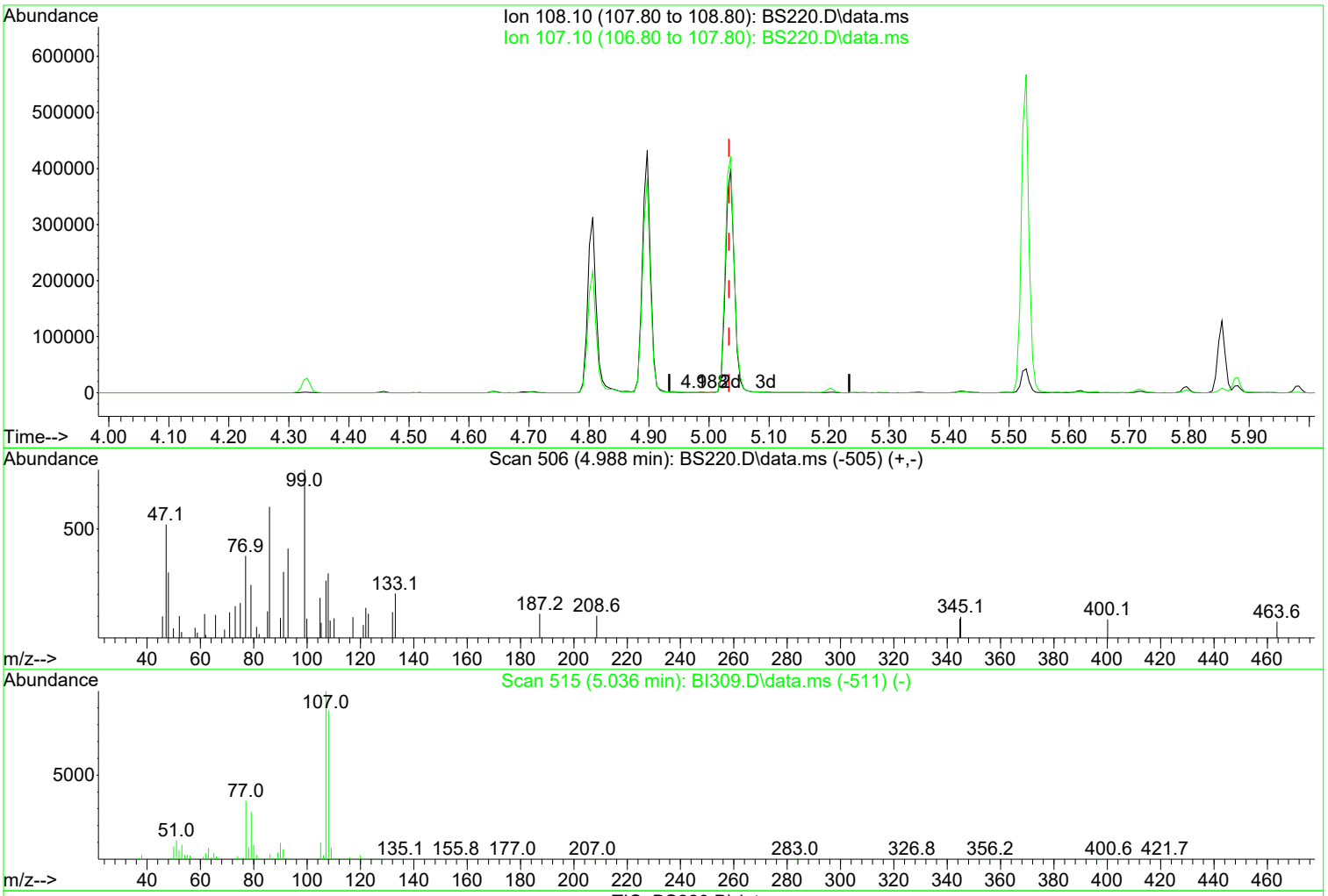
Peak not found.

07/01/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\062819\
Data File : BS220.D
Acq On : 29 Jun 2019 2:29 am
Operator : J.Misiurewicz
Sample : RQ1906197-03
Misc : 339142 8270D LCSD
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Jul 01 14:28:52 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719DS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 10:37:35 2019
Response via : Initial Calibration



TIC: BS220.D\data.ms

(19) 3+4-Methylphenol (TM)

4.988min (-0.046) 0.02 ppm

response 219

Ion	Exp%	Act%
108.10	100.00	100.00
107.10	83.50	69.62
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

07/01/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973D\Data\062819\
Data File : BS220.D
Acq On : 29 Jun 2019 2:29 am
Operator : J.Misiurewicz
Sample : RQ1906197-03
Misc : 339142 8270D LCSD
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Jul 01 14:28:52 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719DS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 10:37:35 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.694	152	351990	40.00	ppm	0.00
24) d8-Naphthalene	5.854	136	1322287	40.00	ppm	0.00
42) d10-Acenaphthene	7.555	164	675174	40.00	ppm	0.00
69) d10-Phenanthrene	9.021	188	1064766	40.00	ppm	0.00
82) d12-Chrysene	12.241	240	915659	40.00	ppm	0.00
91) d12-Perylene	15.129	264	894971	40.00	ppm	0.00
System Monitoring Compounds						
4) SURR1,2-FLUOROPHENOL	3.629	112	530996	47.51	ppm	0.00
Spiked Amount 200.000	Range 10 - 70		Recovery = 23.75%			
8) SURR2,PHENOL-D6	4.357	99	438348	31.17	ppm	0.01
Spiked Amount 200.000	Range 10 - 107		Recovery = 15.59%			
25) SURR4,NITROBENZENE-D5	5.186	82	443686	44.92	ppm	0.00
Spiked Amount 100.000	Range 31 - 110		Recovery = 44.92%			
48) SURR5,2-FLUOROBIPHENYL	6.892	172	927042	42.69	ppm	0.00
Spiked Amount 100.000	Range 31 - 118		Recovery = 42.69%			
67) SURR3,2,4,6-TRIBROMOPH...	8.336	330	239248	106.77	ppm	0.00
Spiked Amount 200.000	Range 35 - 141		Recovery = 53.38%			
85) SURR6,TERPHENYL-D14	10.695	244	1017434	55.54	ppm	0.00
Spiked Amount 100.000	Range 10 - 165		Recovery = 55.54%			
Target Compounds						Qvalue
2) Pyridine	2.709	79	252693	23.154	ppm	98
3) N-Nitrosodimethylamine	2.677	74	148018	28.497	ppm	97
6) Benzaldehyde	4.330	106	327167	37.102	ppm	95
7) Aniline	4.410	93	642390	36.795	ppm	97
9) Phenol	4.368	94	312363	22.276	ppm	99
10) bis(2-Clethyl)Ether	4.458	93	450097	42.643	ppm	97
11) 2-Chlorophenol	4.512	128	468614	40.399	ppm	96
12) 1,3-Diclbenzene	4.640	146	361780	28.523	ppm	98
13) 1,4-Dichlorobenzene	4.705	146	378936	29.206	ppm	97
14) 1,2-Diclbenzene	4.838	146	374421	30.661	ppm	98
15) Benzyl Alcohol	4.806	79	349320	42.549	ppm	100
16) 1-Methyl-2-pyrrolidinone	4.892	99	126383	18.068	ppm	98
17) 2,2'-oxybis(1-Chloropr...	4.918	45	514411	40.074	ppm	96
18) 2-Methylphenol	4.897	108	403037	38.915	ppm	98
19) 3+4-Methylphenol	5.036	108	409268m	39.078	ppm	
20) Acetophenone	5.047	105	1226671	81.497	ppm	84
21) N-Nitroso-Di-n-propyla...	5.042	70	335603	44.883	ppm	84
22) Hexachloroethane	5.138	117	139149	27.605	ppm	98
26) Nitrobenzene	5.202	77	447675	46.163	ppm	99
27) Isophorone	5.421	82	936437	48.039	ppm	97
28) 2-Nitrophenol	5.496	139	263545	54.867	ppm	99
29) Benzoic Acid	5.641	105	374472	60.466	ppm	98
30) 2,4-Dimethylphenol	5.528	107	497231	48.698	ppm	97
31) bis(-2-Chloroethoxy)Me...	5.619	93	631706	48.714	ppm	98
32) 2,4-Dichlorophenol	5.721	162	407943	48.570	ppm	98
33) 1,2,4-Trichlorobenzene	5.796	180	315537	33.000	ppm	100
34) Naphthalene	5.876	128	1161809	36.453	ppm	98
35) 4-Chloroaniline	5.929	127	616084	43.097	ppm	97
37) Hexachlorobutadiene	5.983	225	159746	35.505	ppm	97
38) 4-Chloro-3-methylphenol	6.389	107	430015	53.770	ppm	100
39) Caprolactam	6.282	113	40468	13.353	ppm	95
40) 2-Methylnaphthalene	6.539	142	779659	36.445	ppm	99
41) 1-Methylnaphthalene	6.635	142	794568	39.942	ppm	98

1st DM 07/01/19
2nd MP 07/02/19

Data Path : I:\ACQUDATA\5973D\Data\062819\
Data File : BS220.D
Acq On : 29 Jun 2019 2:29 am
Operator : J.Misiurewicz
Sample : RQ1906197-03
Misc : 339142 8270D LCSD
ALS Vial : 34 Sample Multiplier: 1

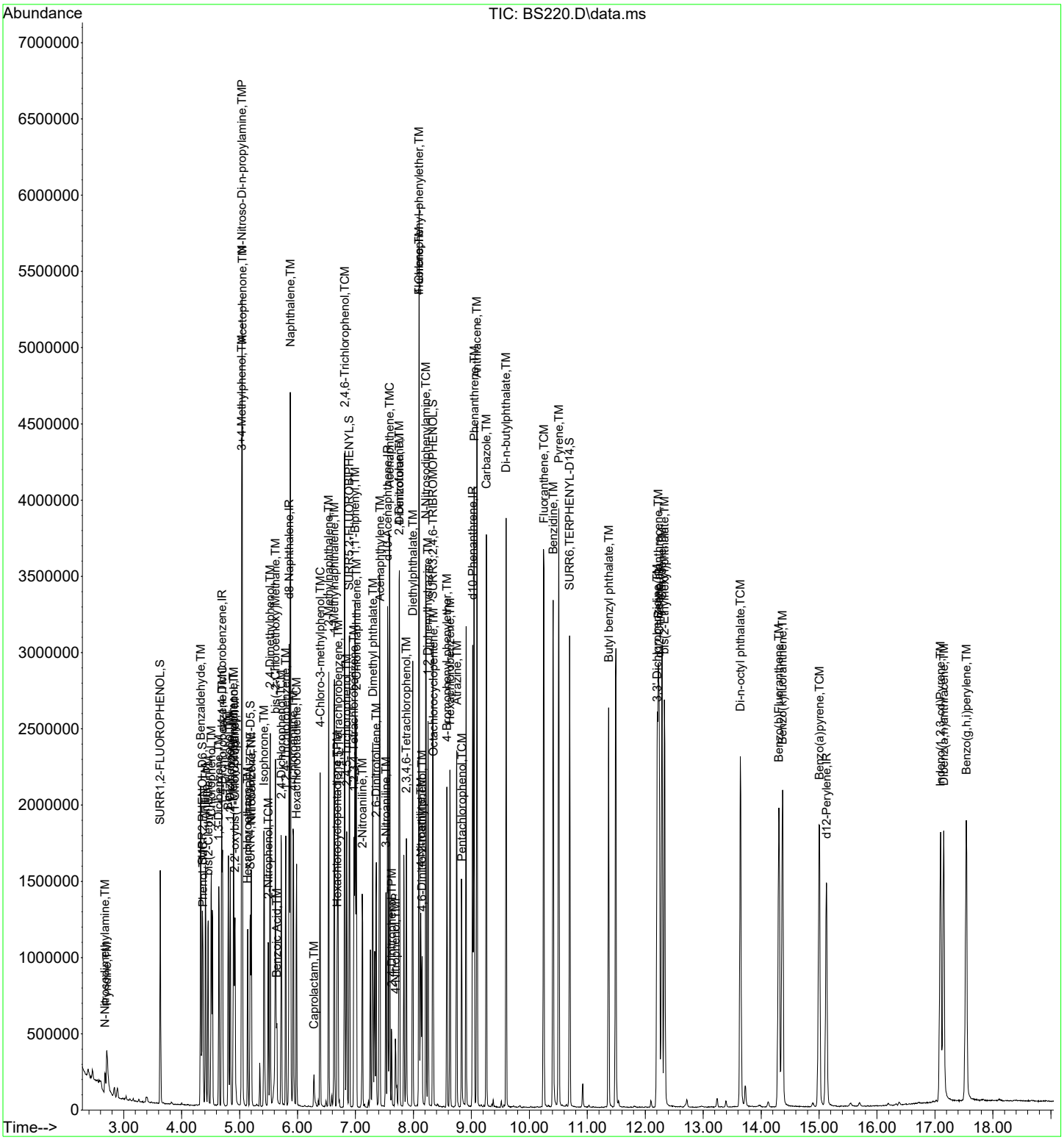
Quant Time: Jul 01 14:28:52 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719DS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 10:37:35 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Hexachlorocyclopentadiene	6.684	237	109229	21.676	ppm		100
44) 1,2,4,5-Tetrachloroben...	6.700	216	344330	39.776	ppm		98
45) 1,2,3,4-Tetrachloroben...	6.972	216	304435	34.560	ppm		99
46) 2,4,6-Trichlorophenol	6.812	196	284119	54.916	ppm		99
47) 2,4,5-Trichlorophenol	6.849	196	297627	54.672	ppm		98
49) 1,1'-Biphenyl	6.994	154	1007702	40.490	ppm		97
50) 2-Chloronaphthalene	7.015	162	778932	35.441	ppm		98
51) 2-Nitroaniline	7.117	65	228554	45.077	ppm		94
52) Acenaphthylene	7.422	152	1361742	45.849	ppm		97
53) Dimethyl phthalate	7.299	163	1011275	51.590	ppm		99
54) 2,6-Dinitrotoluene	7.357	165	240972	55.816	ppm		85
55) Acenaphthene	7.587	153	883554	45.323	ppm		99
56) 3-Nitroaniline	7.523	138	274831	50.836	ppm		100
57) 2,4-Dinitrophenol	7.625	184	85091	51.832	ppm		100
58) Dibenzofuran	7.759	168	1184954	46.674	ppm		97
59) 2,4-Dinitrotoluene	7.753	165	330932	59.237	ppm		95
60) 4-Nitrophenol	7.689	65	75155	23.658	ppm	#	78
62) 2,3,4,6-Tetrachlorophenol	7.876	232	207406	47.003	ppm		96
63) Fluorene	8.096	166	966674	48.431	ppm		100
64) 4-Chlorophenyl-phenyle...	8.096	204	417626	47.712	ppm		96
65) Diethylphthalate	7.989	149	1083988	56.295	ppm		100
66) 4-Nitroaniline	8.128	138	317231	50.181	ppm		98
68) Octachlorocyclopentene	8.342	307	80831	38.382	ppm		96
70) 4,6-Dinitro-2-methylph...	8.149	198	153122	59.928	ppm		97
71) 1,2 Diphenylhydrazine	8.251	77	972702	47.861	ppm		96
72) N-Nitrosodiphenylamine	8.213	169	895058	51.631	ppm		98
73) 4-Bromophenyl-phenylether	8.577	248	242157	49.120	ppm		98
74) Hexachlorobenzene	8.630	284	273467	51.599	ppm		97
75) Atrazine	8.748	215	139015	63.927	ppm		96
76) Pentachlorophenol	8.834	266	173034	57.392	ppm		97
77) Phenanthrene	9.048	178	1486310	52.444	ppm		97
78) Anthracene	9.096	178	1551261	53.926	ppm		98
79) Carbazole	9.256	167	1530994	54.292	ppm		98
80) Di-n-butylphthalate	9.599	149	1957142	59.674	ppm		99
81) Fluoranthene	10.251	202	1594957	54.665	ppm		95
83) Benzidine	10.412	184	1460995	91.154	ppm		98
84) Pyrene	10.508	202	1657877	56.860	ppm		98
86) Butyl benzyl phthalate	11.369	149	823220	58.171	ppm		98
87) 3,3'-Dichlorobenzidine	12.203	252	523072	59.781	ppm		98
88) Benzo(a)anthracene	12.225	228	1455459	57.056	ppm		99
89) Chrysene	12.289	228	1393488	55.856	ppm		99
90) bis(2-Ethylhexyl)phtha...	12.332	149	1183143	58.735	ppm		98
92) Di-n-octyl phthalate	13.642	149	2061273	58.244	ppm		99
93) Benzo(b)Fluoranthene	14.305	252	1346830	54.573	ppm		94
94) Benzo(k)fluoranthene	14.370	252	1335412	55.176	ppm		99
95) Benzo(a)pyrene	15.006	252	1262221	56.632	ppm		98
96) Indeno(1,2,3-cd)Pyrene	17.097	276	1080938	59.507	ppm		100
97) Dibenz(a,h)anthracene	17.151	278	1001858	51.942	ppm		99
98) Benzo(g,h,i)perylene	17.541	276	1194905	63.061	ppm		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\5973D\Data\062819\
Data File : BS220.D
Acq On : 29 Jun 2019 2:29 am
Operator : J.Misiurewicz
Sample : RQ1906197-03
Misc : 339142 8270D LCSD
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Jul 01 14:28:52 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719DS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 10:37:35 2019
Response via : Initial Calibration



1st DM 07/15/19
2nd BA 07/15/19

Data Path : I:\ACQUDATA\5973A\DATA\071219\
Data File : DS878.D
Acq On : 12 Jul 2019 10:28 am
Operator : JMisiurewicz
Sample : RQ1906656-03
Misc : 339699 8270D LCSD
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 15 10:01:03 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jul 05 09:32:54 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.608	152	79544	40.00	ppm		-0.01
33) d8-Naphthalene	5.773	136	265749	40.00	ppm		0.00
57) d10-Acenaphthene	7.476	164	116764	40.00	ppm		0.00
91) d10-Phenanthrene	8.934	188	213424	40.00	ppm		0.00
117) d12-Chrysene	12.091	240	196539	40.00	ppm		0.00
135) d12-Perylene	14.895	264	254988	40.00	ppm		0.00
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.556	112	126677	45.84	ppm		0.00
Spiked Amount 100.000	Range 10 - 70		Recovery = 45.84%				
12) SURR2,PHENOL-D6	4.277	99	107571	31.72	ppm		0.00
Spiked Amount 100.000	Range 10 - 107		Recovery = 31.72%				
34) SURR4,NITROBENZENE-D5	5.094	82	102747	34.12	ppm		-0.01
Spiked Amount 50.000	Range 31 - 110		Recovery = 68.24%				
63) SURR5,2-FLUOROBIPHENYL	6.814	172	183459	44.17	ppm		-0.01
Spiked Amount 50.000	Range 31 - 118		Recovery = 88.34%				
88) SURR3,2,4,6-TRIBROMOPH...	8.251	330	66390	85.02	ppm		0.00
Spiked Amount 100.000	Range 35 - 141		Recovery = 85.02%				
124) SURR6,TERPHENYL-D14	10.595	244	248541	57.80	ppm		0.00
Spiked Amount 50.000	Range 10 - 165		Recovery = 115.60%				
Target Compounds							Qvalue
2) Pyridine	2.621	79	102379	33.421	ppm		95
3) N-Nitrosodimethylamine	2.584	74	60849	34.942	ppm		93
10) Benzaldehyde	4.240	106	67952	31.490	ppm		95
11) Aniline	4.325	93	161765	39.534	ppm		96
13) Phenol	4.293	94	70804	21.000	ppm		86
14) bis(2-Clethyl)Ether	4.373	93	104251	37.799	ppm		93
16) 2-Chlorophenol	4.432	128	96613	35.661	ppm		96
17) 1,3-Diclbenzene	4.565	146	69526	22.474	ppm		97
18) 1,4-Dichlorobenzene	4.624	146	74230	22.763	ppm		95
19) 1,2-Diclbenzene	4.758	146	64729	21.084	ppm		96
20) Benzyl Alcohol	4.720	79	98828	39.358	ppm		94
21) 1-Methyl-2-pyrrolidinone	4.784	99	35106	22.455	ppm	#	75
22) 2,2'-oxybis(1-Chloropr...	4.843	45	137074	32.932	ppm		98
23) 2-Methylphenol	4.816	108	86950	35.233	ppm		95
24) 3+4-Methylphenol	4.955	108	91052	32.976	ppm		90
25) Acetophenone	4.961	105	263720	69.047	ppm		89
26) N-Nitroso-Di-n-propyla...	4.961	70	83757	36.568	ppm		95
30) Hexachloroethane	5.062	117	25892	19.520	ppm		86
32) Alpha-terpinol	5.805	121	45804	49.019	ppm		87
35) Nitrobenzene	5.116	77	115646	39.562	ppm		95
37) Isophorone	5.340	82	240702	49.284	ppm		98
38) 2-Nitrophenol	5.409	139	52931	38.087	ppm		93
39) 2,4-Dimethylphenol	5.452	107	118548	43.990	ppm		96
40) bis(-2-Chloroethoxy)Me...	5.538	93	134186	45.247	ppm		95
41) Benzoic Acid	5.548	105	141058	73.818	ppm		93
42) 2,4-Dichlorophenol	5.639	162	84575	41.517	ppm		98
44) 1,2,4-Trichlorobenzene	5.719	180	59282	25.054	ppm		94
45) Naphthalene	5.794	128	236816	30.905	ppm		98
46) 4-Chloroaniline	5.842	127	127862	41.658	ppm		97
48) Hexachlorobutadiene	5.911	225	31223	23.167	ppm		99
50) 4-Chloro-3-methylphenol	6.312	107	96984	47.505	ppm		97
52) Caprolactam	6.189	113	10637	16.380	ppm		75
55) 2-Methylnaphthalene	6.456	142	157881	30.771	ppm		97

1st DM 07/15/19
2nd BA 07/15/19

Data Path : I:\ACQUDATA\5973A\DATA\071219\
Data File : DS878.D
Acq On : 12 Jul 2019 10:28 am
Operator : JMisiurewicz
Sample : RQ1906656-03
Misc : 339699 8270D LCSD
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 15 10:01:03 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jul 05 09:32:54 2019
Response via : Initial Calibration

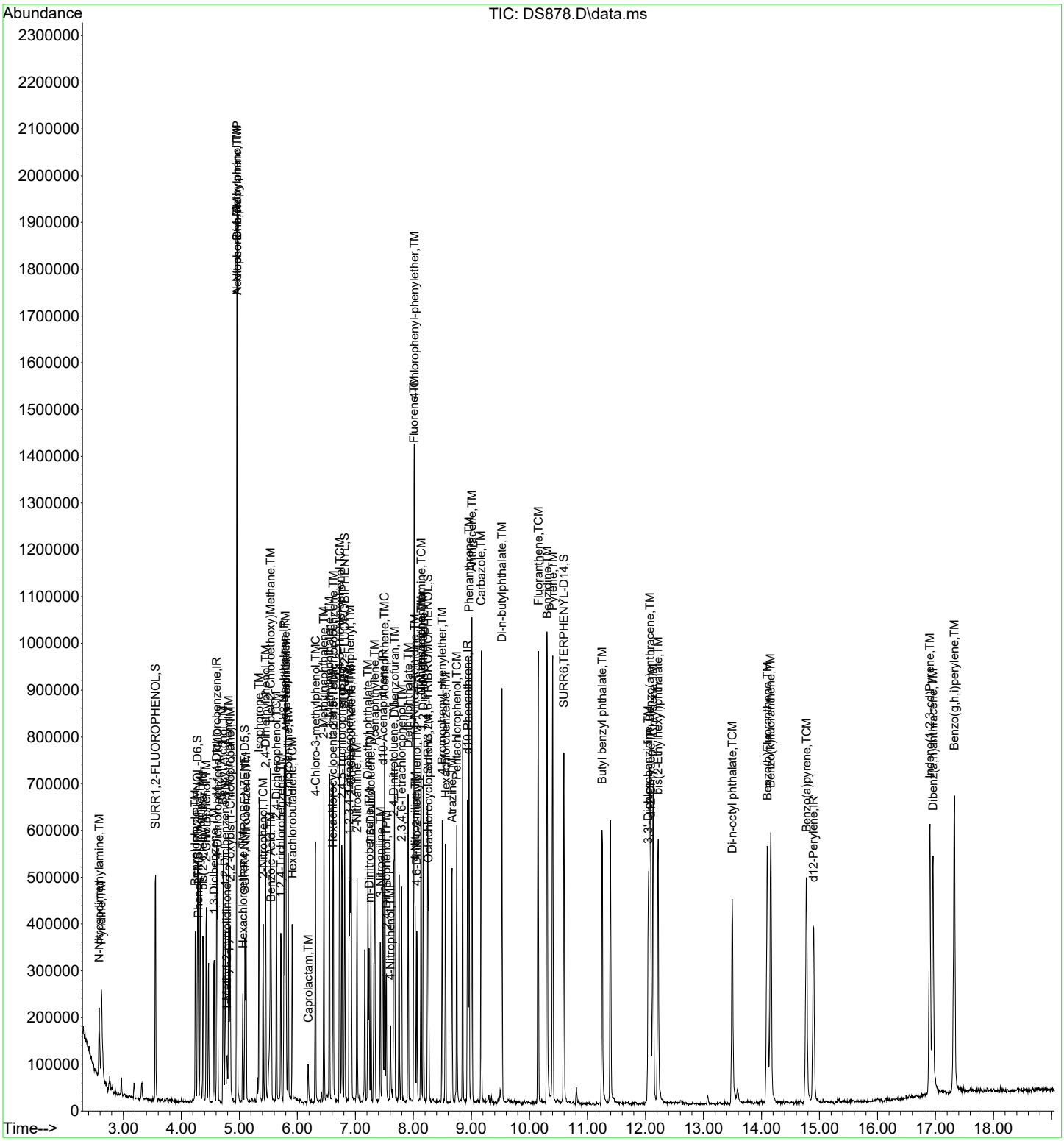
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
56) 1-Methylnaphthalene	6.552	142	166762	34.415	ppm		93
58) Hexachlorocyclopentadiene	6.611	237	24672	21.274	ppm		94
59) 1,2,4,5-Tetrachloroben...	6.616	216	84094	47.955	ppm		98
60) 1,2,3,4-Tetrachloroben...	6.894	216	70206	43.776	ppm		94
61) 2,4,6-Trichlorophenol	6.734	196	64206	55.728	ppm		98
62) 2,4,5-Trichlorophenol	6.766	196	78227	64.764	ppm		99
65) 1,1'-Biphenyl	6.910	154	209984	47.511	ppm		97
66) 2-Chloronaphthalene	6.932	162	164655	45.207	ppm		99
67) 2-Nitroaniline	7.028	65	68879	64.278	ppm		91
69) m-Dinitrobenzene	7.236	168	32577	51.353	ppm		84
70) Acenaphthylene	7.332	152	257503	42.585	ppm		99
71) Dimethyl phthalate	7.215	163	181433	47.884	ppm		98
72) 2,6-Dinitrotoluene	7.268	165	44485	53.050	ppm		97
73) Acenaphthene	7.503	153	173247	41.324	ppm		94
74) 3-Nitroaniline	7.434	138	48969	51.710	ppm		93
75) 2,4-Dinitrophenol	7.535	184	32001	53.897	ppm		93
76) Dibenzofuran	7.674	168	233639	47.642	ppm		98
77) 2,4-Dinitrotoluene	7.663	165	67547	56.917	ppm		95
78) 4-Nitrophenol	7.605	65	25050	26.788	ppm		90
82) 2,3,4,6-Tetrachlorophenol	7.797	232	43846	44.173	ppm		85
83) Fluorene	8.010	166	198573	46.057	ppm		94
84) 4-Chlorophenyl-phenyle...	8.016	204	89259	44.581	ppm		96
85) Diethylphthalate	7.909	149	194938	48.458	ppm		98
86) 4-Nitroaniline	8.032	138	61520	59.246	ppm		95
87) 5-Nitro-o-toluidine	8.021	152	1214	1.066	ppm	#	18
90) Octachlorocyclopentene	8.261	307	27639	36.450	ppm		89
93) 4,6-Dinitro-2-methylph...	8.059	198	42717	47.458	ppm		87
94) Diphenylamine	8.133	169	164749	48.370	ppm		98
95) 1,2 Diphenylhydrazine	8.171	77	246850	52.780	ppm		95
96) N-Nitrosodiphenylamine	8.133	169	164749	48.369	ppm		98
101) 4-Bromophenyl-phenylether	8.496	248	57850	43.594	ppm		97
102) Hexachlorobenzene	8.555	284	70087	46.740	ppm		93
104) Atrazine	8.667	215	27241	49.809	ppm		89
105) Pentachlorophenol	8.748	266	55813	56.137	ppm		94
111) Phenanthrene	8.956	178	345073	53.110	ppm		98
112) Anthracene	9.009	178	358767	56.192	ppm		99
113) Carbazole	9.169	167	365154	64.544	ppm		98
114) Di-n-butylphthalate	9.527	149	378104	51.755	ppm		99
116) Fluoranthene	10.152	202	392759	54.758	ppm		99
122) Benzidine	10.307	184	440154	134.102	ppm		95
123) Pyrene	10.403	202	437720	71.066	ppm		97
128) Butyl benzyl phthalate	11.252	149	168512	57.248	ppm		89
131) 3,3'-Dichlorobenzidine	12.048	252	123202	53.496	ppm		96
132) Benzo(a)anthracene	12.075	228	332177	51.642	ppm		97
133) Chrysene	12.134	228	330329	53.422	ppm		96
134) bis(2-Ethylhexyl)phtha...	12.219	149	234855	58.701	ppm		98
136) Di-n-octyl phthalate	13.496	149	372655	45.451	ppm		95
138) Benzo(b)Fluoranthene	14.099	252	387016	45.462	ppm		94
139) Benzo(k)fluoranthene	14.158	252	424072	55.443	ppm		97
140) Benzo(a)pyrene	14.778	252	374731	52.291	ppm		96
142) Indeno(1,2,3-cd)Pyrene	16.903	276	401222	63.291	ppm		100
143) Dibenz(a,h)anthracene	16.957	278	326387	48.320	ppm		96
144) Benzo(g,h,i)perylene	17.325	276	460018	70.504	ppm		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\071219\
Data File : DS878.D
Acq On : 12 Jul 2019 10:28 am
Operator : JMisiurewicz
Sample : RQ1906656-03
Misc : 339699 8270D LCSD
ALS Vial : 6 Sample Multiplier: 1

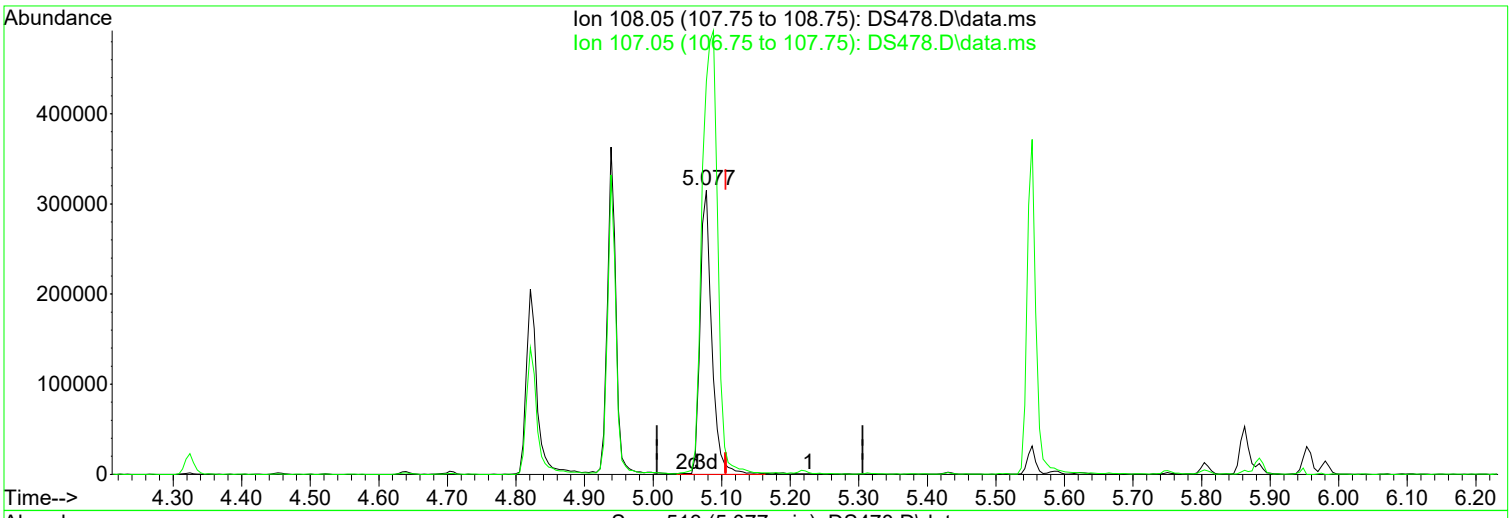
Quant Time: Jul 15 10:01:03 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jul 05 09:32:54 2019
Response via : Initial Calibration

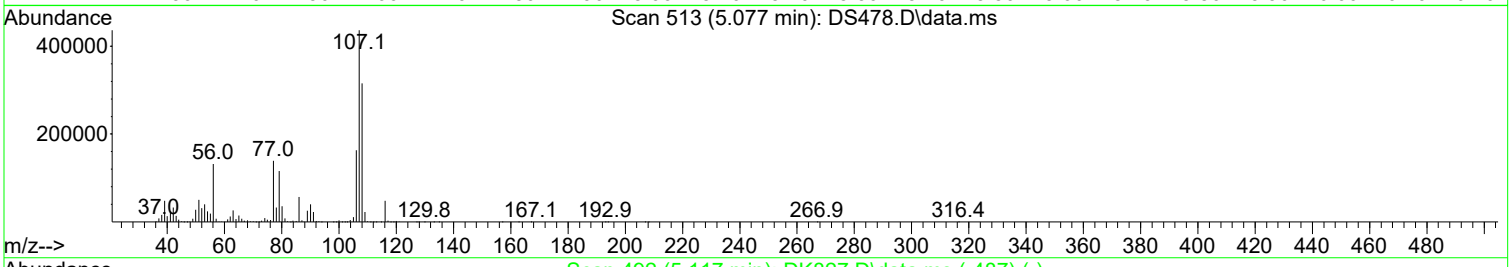


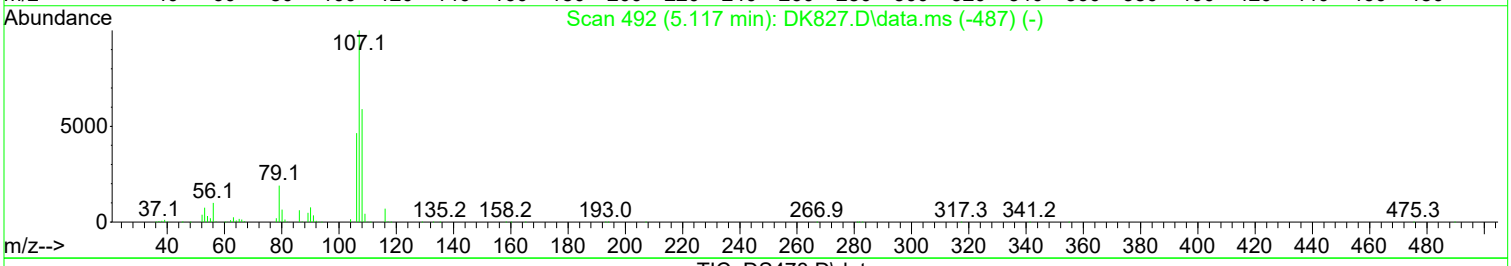
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\061819\
Data File : DS478.D
Acq On : 18 Jun 2019 2:52 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 19 11:08:19 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 14 09:13:59 2019
Response via : Initial Calibration







TIC: DS478.D\data.ms

(19) 3+4-Methylphenol (TM)

5.077min (-0.029) 75.93 ppm m

response 372620

Ion	Exp%	Act%
108.05	100.00	100.00
107.05	114.10	138.45#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

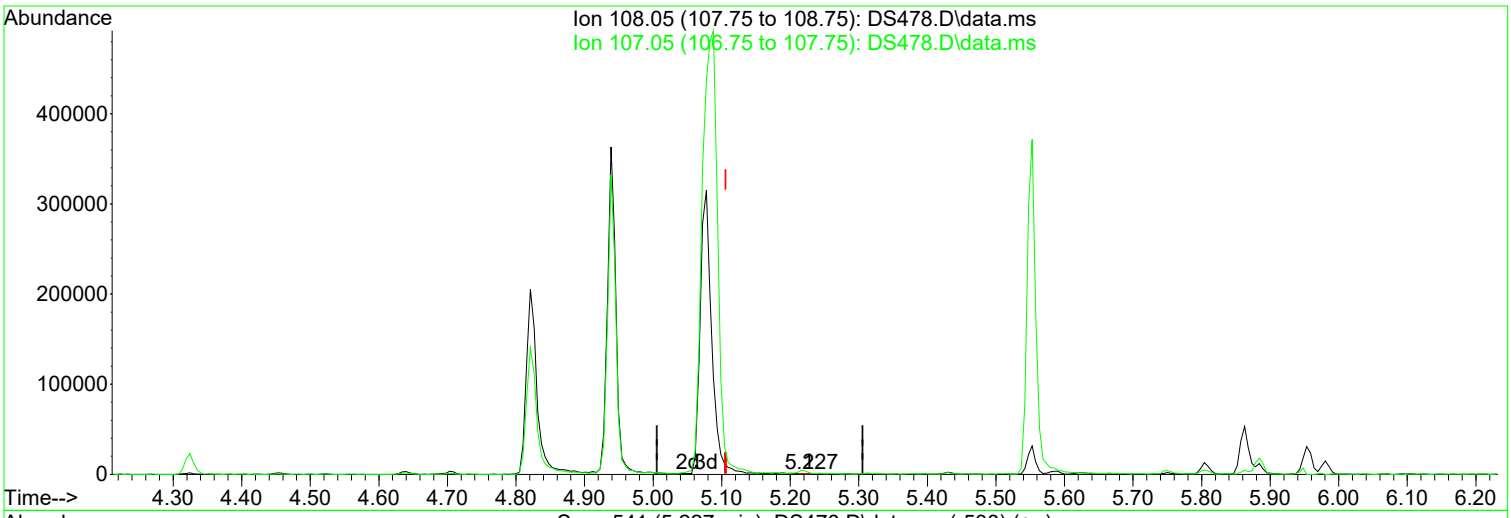
Peak not found.

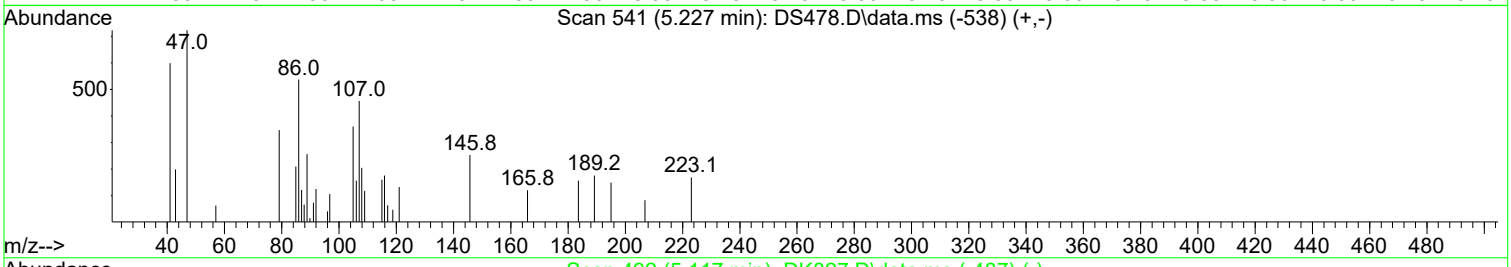
06/19/19

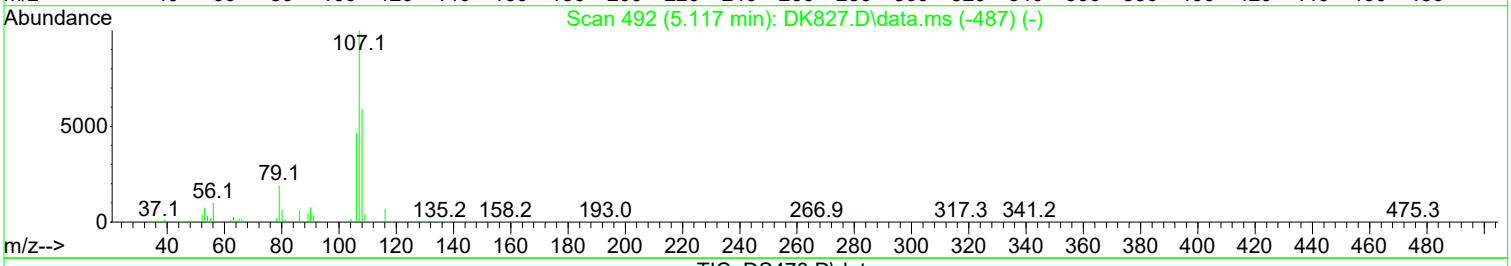
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\061819\
Data File : DS478.D
Acq On : 18 Jun 2019 2:52 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 19 11:08:19 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 14 09:13:59 2019
Response via : Initial Calibration







TIC: DS478.D\data.ms

(19) 3+4-Methylphenol (TM)

5.227min (+ 0.121) 0.03 ppm

response 146

Ion	Exp%	Act%
108.05	100.00	100.00
107.05	114.10	121.46
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

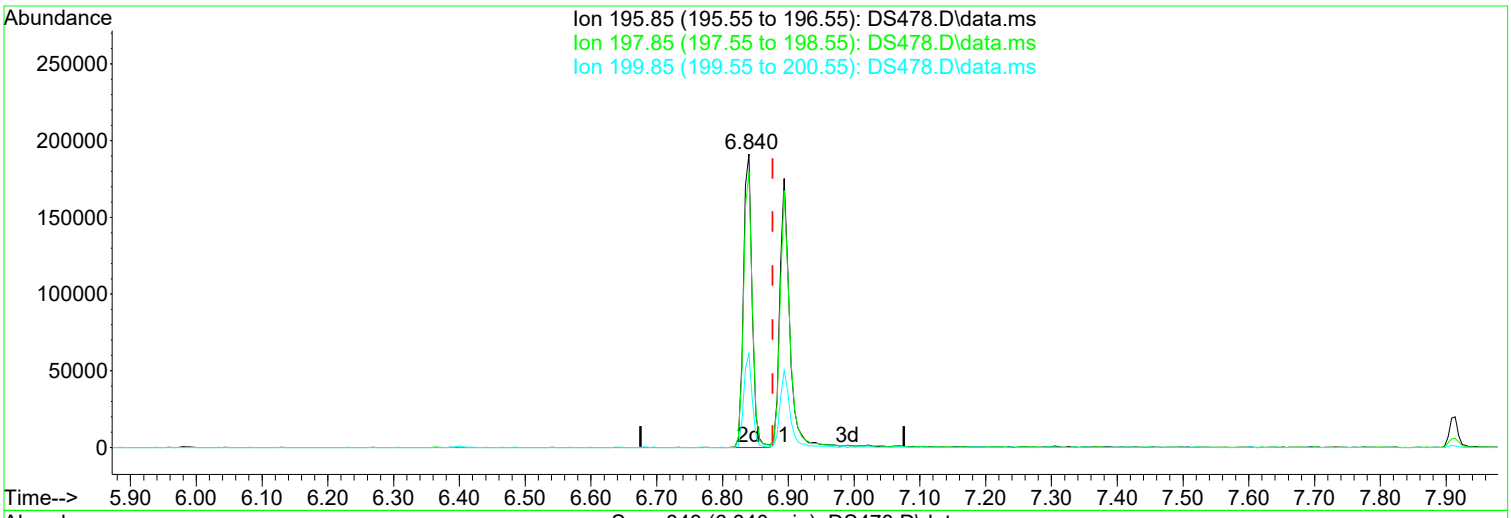
Before

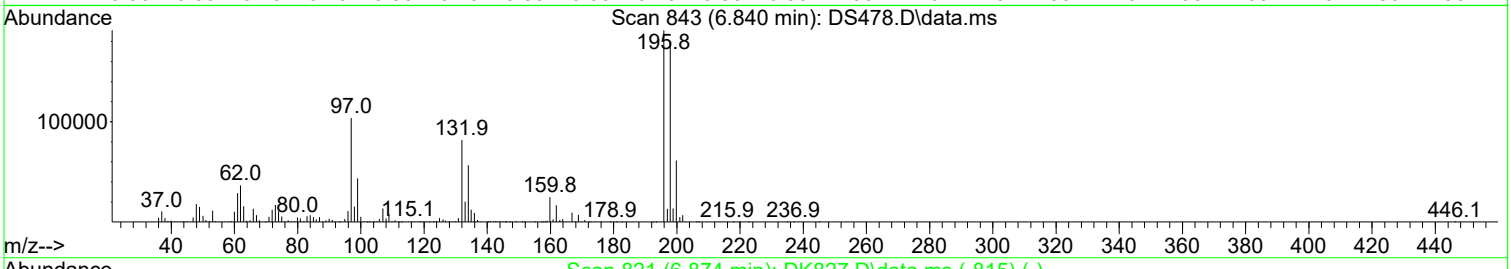
06/19/19

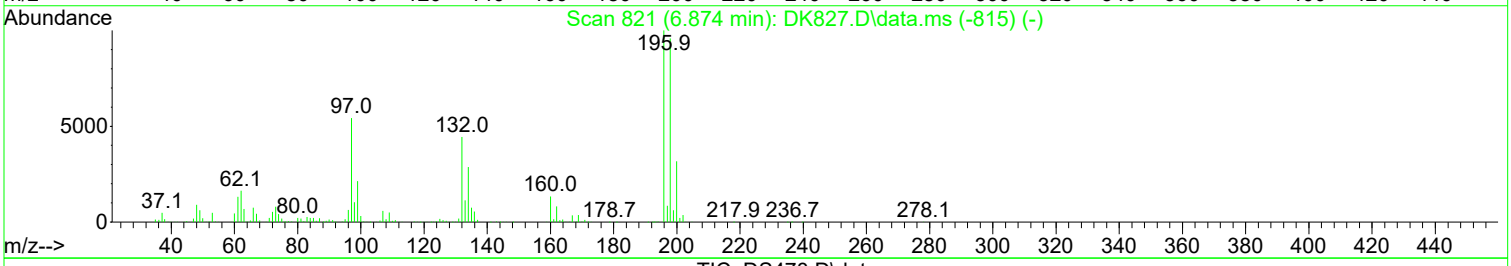
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\061819\
Data File : DS478.D
Acq On : 18 Jun 2019 2:52 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 19 11:08:19 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 14 09:13:59 2019
Response via : Initial Calibration







TIC: DS478.D\data.ms

(46) 2,4,6-Trichlorophenol (TCM)

6.840min (-0.036) 77.37 ppm m

response 174047

Ion	Exp%	Act%
195.85	100.00	100.00
197.85	98.70	93.94
199.85	30.90	32.07
0.00	0.00	0.00

Manual Integration:

After

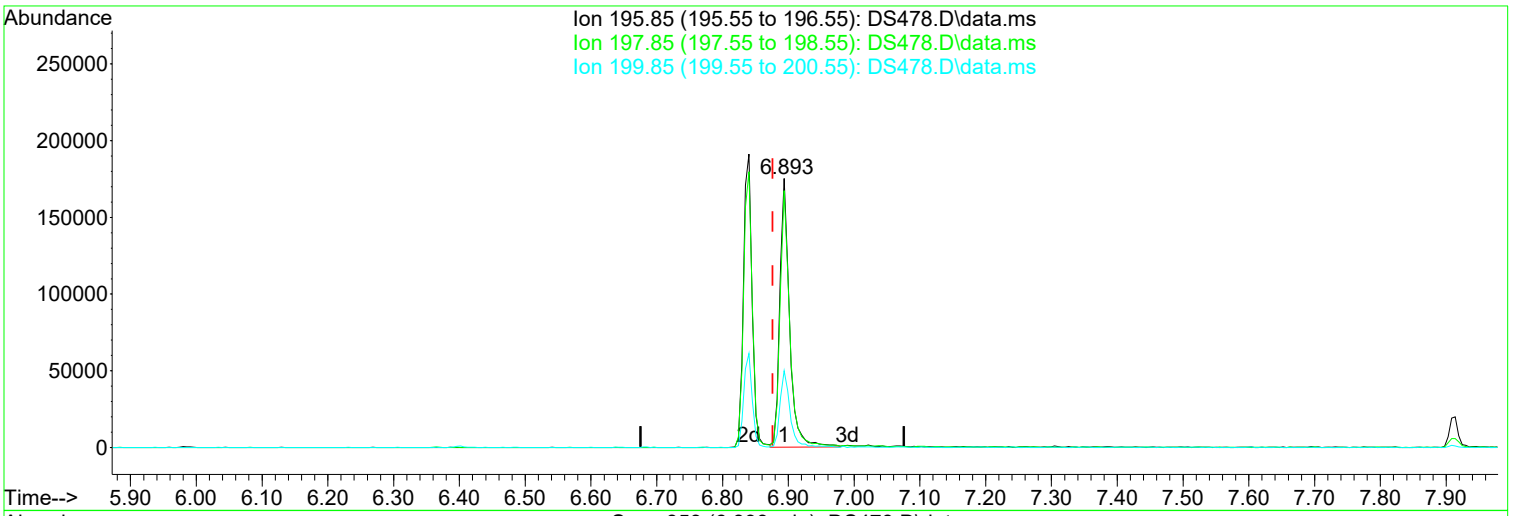
Wrong peak selected.

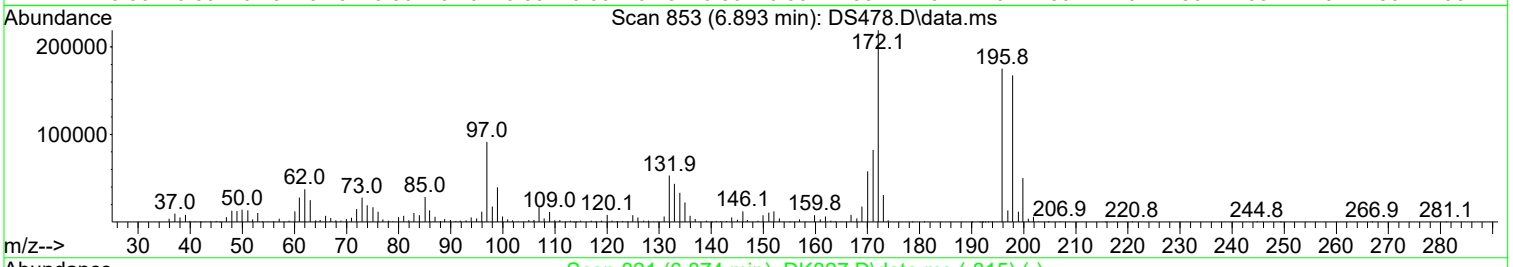
06/19/19

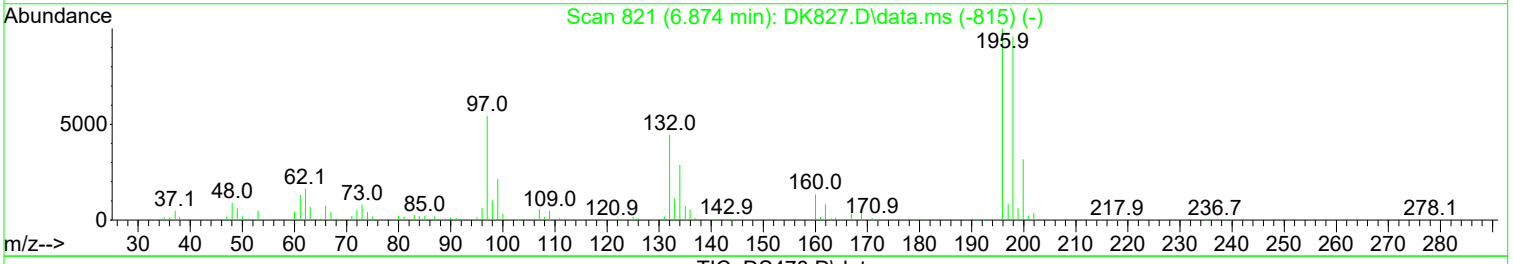
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\061819\
Data File : DS478.D
Acq On : 18 Jun 2019 2:52 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 19 11:08:19 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 14 09:13:59 2019
Response via : Initial Calibration







TIC: DS478.D\data.ms

(46) 2,4,6-Trichlorophenol (TCM)

6.893min (+ 0.017) 80.37 ppm

response 180804

Ion	Exp%	Act%
195.85	100.00	100.00
197.85	98.70	95.51
199.85	30.90	28.57
0.00	0.00	0.00

Manual Integration:

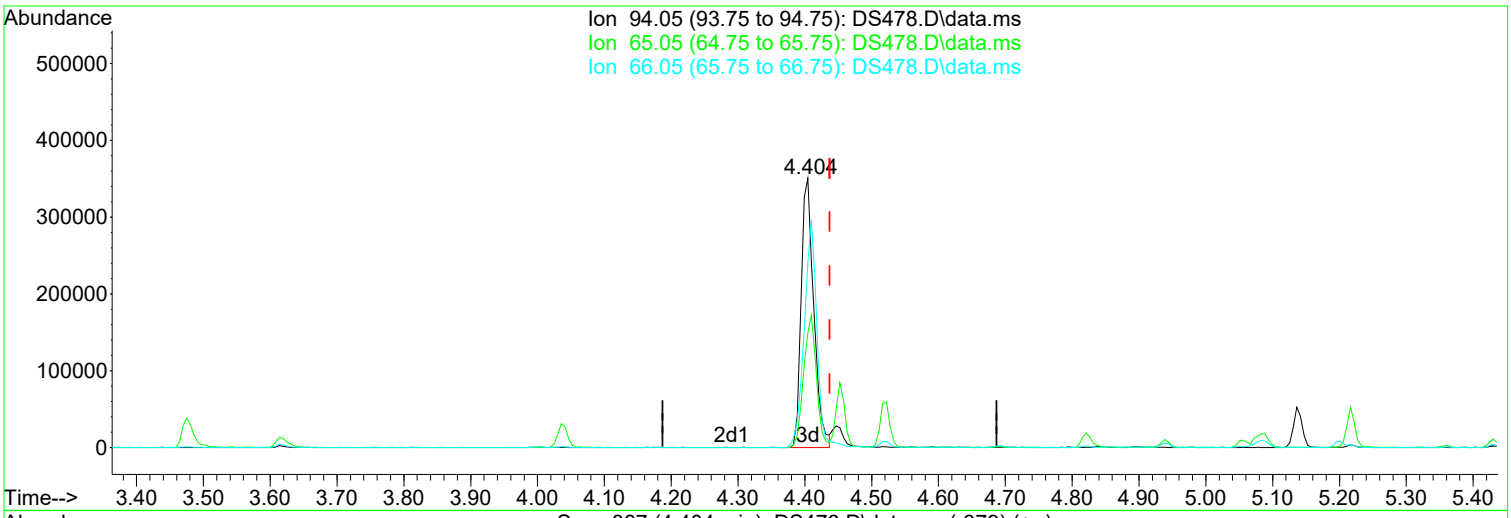
Before

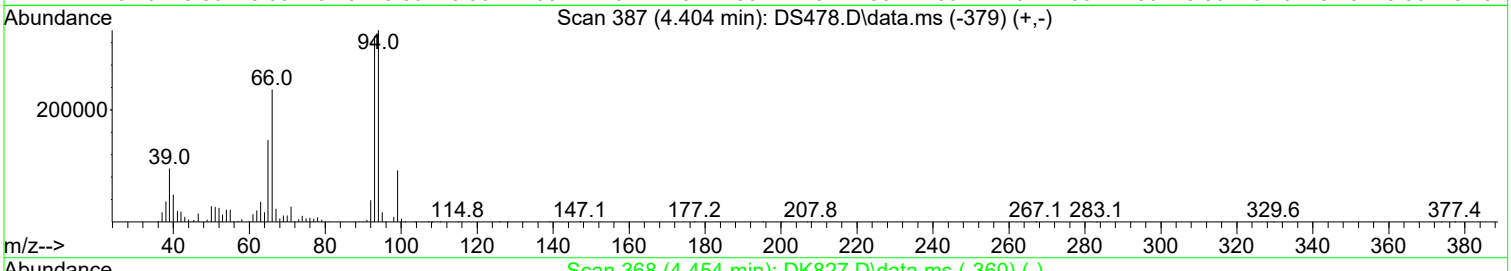
06/19/19

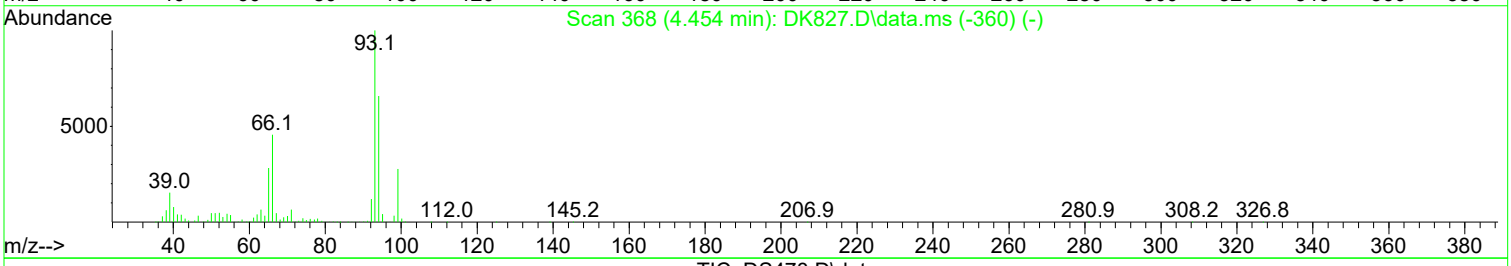
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\061819\
Data File : DS478.D
Acq On : 18 Jun 2019 2:52 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 19 11:08:19 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 14 09:13:59 2019
Response via : Initial Calibration







TIC: DS478.D\data.ms

(9) Phenol (TMC)

4.404min (-0.033) 75.07 ppm m

response 461930

Ion	Exp%	Act%
94.05	100.00	100.00
65.05	27.10	42.60
66.05	34.10	68.67#
0.00	0.00	0.00

Manual Integration:

After

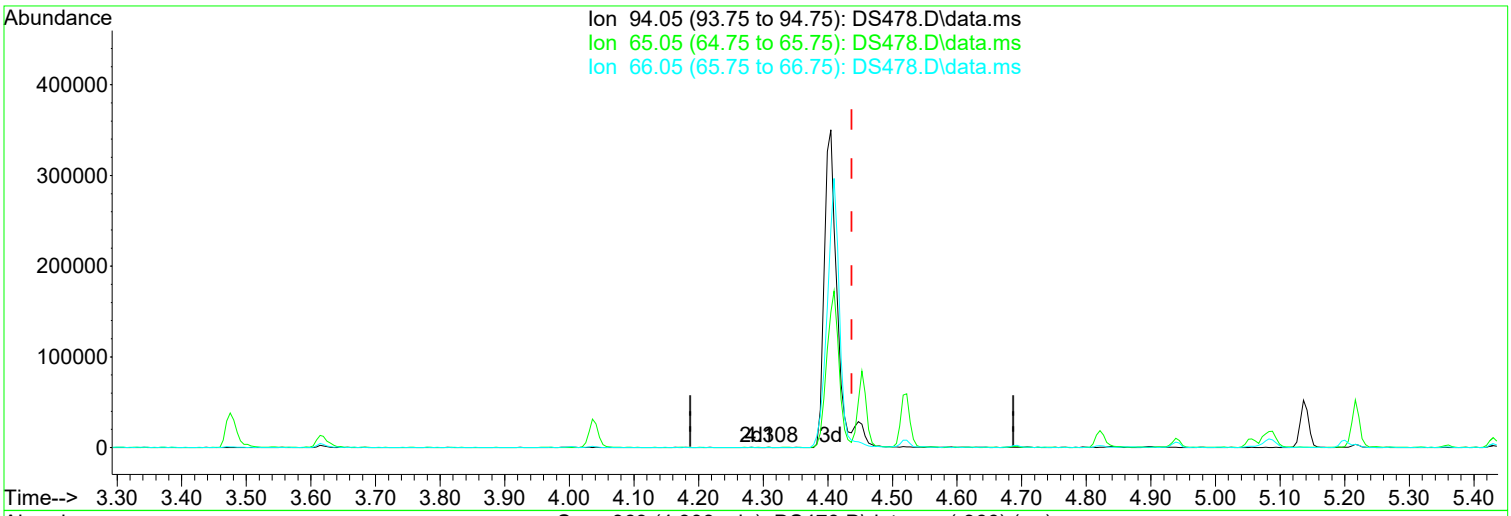
Peak not found.

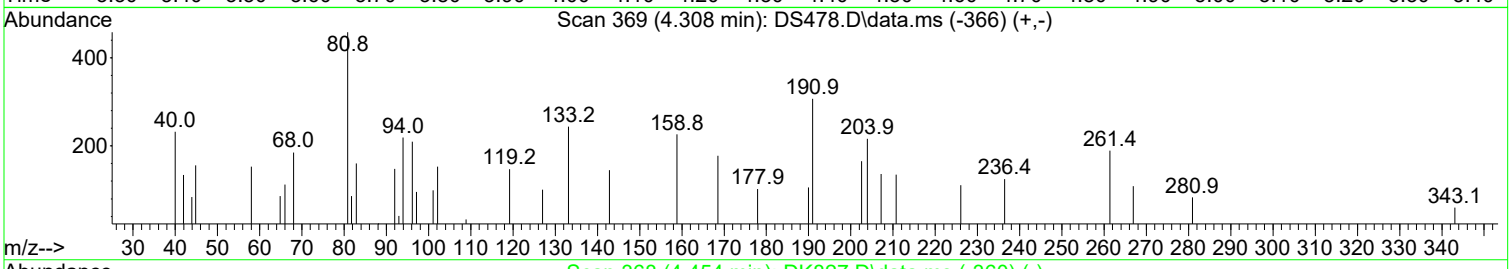
06/19/19

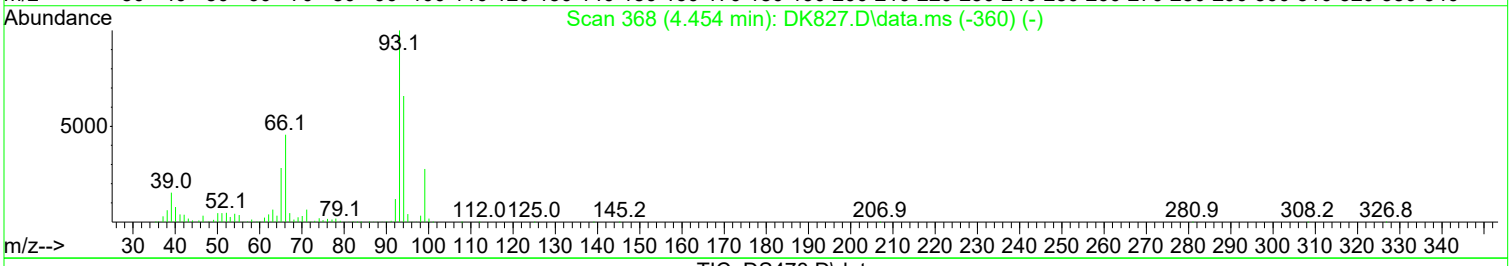
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\061819\
Data File : DS478.D
Acq On : 18 Jun 2019 2:52 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 19 11:08:19 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 14 09:13:59 2019
Response via : Initial Calibration







TIC: DS478.D\data.ms

(9) Phenol (TMC)

4.308min (-0.129) 0.02 ppm

response 112

Ion	Exp%	Act%
94.05	100.00	100.00
65.05	27.10	39.50
66.05	34.10	51.14
0.00	0.00	0.00

Manual Integration:

Before

06/19/19

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\5973A\DATA\061819\
Data File : DS478.D
Acq On : 18 Jun 2019 2:52 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 19 11:08:19 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 14 09:13:59 2019
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	IR	d4-1,4-Dichlorobenzene	1.000	1.000	0.0	113	-0.04
2	TM	Pyridine	1.563	1.689	-8.1	113	-0.09
3	TM	N-Nitrosodimethylamine	0.934	1.050	-12.4	120	-0.08
4	S	SURR1,2-FLUOROPHENOL	1.455	1.490	-2.4	114	-0.05
5	TM	N-Nitrosodiethylamine	0.709	0.679	4.2	107	-0.05
6	TM	Benzaldehyde	1.023	1.107	-8.2	127	-0.04
7	TM	Aniline	2.281	2.449	-7.4	120	-0.04
8	S	SURR2,PHENOL-D6	1.787	1.844	-3.2	114	-0.04
9	TMC	Phenol	1.955	1.834	6.2	105	-0.03
10	TM	bis(2-Clethyl)Ether	1.353	1.350	0.2	115	-0.04
11	TM	2-Chlorophenol	1.536	1.442	6.1	105	-0.04
12	TM	1,3-Diclbenzene	1.598	1.544	3.4	109	-0.04
13	TMC	1,4-Dichlorobenzene	1.635	1.578	3.5	108	-0.04
14	TM	1,2-Diclbenzene	1.563	1.495	4.4	109	-0.04
15	TM	Benzyl Alcohol	1.040	1.092	-5.0	117	-0.04
16	T	1-Methyl-2-pyrrolidinone	0.950	0.995	-4.7	115	-0.03
17	TM	2,2'-oxybis(1-Chloropropane	1.300	1.648	-26.8#	144	-0.04
18	TM	2-Methylphenol	1.378	1.262	8.4	106	-0.03
19	TM	3+4-Methylphenol	1.559	1.480	5.1	108	-0.03
20	TM	Acetophenone	1.936	1.921	0.8	116	-0.04
21	TMP	N-Nitroso-Di-n-propylamine	1.044	1.064	-1.9	121	-0.03
22	TM	Hexachloroethane	0.629	0.615	2.2	113	-0.05
23	TM	Alpha-terpinol	0.511	0.506	1.0	115	-0.04
24	IR	d8-Naphthalene	1.000	1.000	0.0	120	-0.04
25	S	SURR4,NITROBENZENE-D5	0.406	0.393	3.2	117	-0.04
26	TM	Nitrobenzene	0.408	0.341	16.4	102	-0.04
27	TM	Isophorone	0.680	0.619	9.0	109	-0.04
28	TCM	2-Nitrophenol	0.211	0.195	7.6	107	-0.04
29	TM	2,4-Dimethylphenol	0.380	0.342	10.0	105	-0.03
30	TM	bis(-2-Chloroethoxy)Methane	0.400	0.402	-0.5	119	-0.04
31	TM	Benzoic Acid	0.144	0.135	14.4 ~~6.2~~	99	-0.02
32	TCM	2,4-Dichlorophenol	0.301	0.274	9.0	104	-0.04
33	TM	1,2,4-Trichlorobenzene	0.317	0.307	3.2	115	-0.04
34	TM	Naphthalene	1.102	1.024	7.1	112	-0.04
35	TM	4-Chloroaniline	0.461	0.428	7.2	109	-0.04
36	TM	2,6-Dichlorophenol	0.315	0.280	11.1	106	-0.04
37	TCM	Hexachlorobutadiene	0.161	0.152	5.6	114	-0.05
38	TMC	4-Chloro-3-methylphenol	0.300	0.271	9.7	105	-0.03
39	TM	Caprolactam	0.119	0.112	5.9	118	-0.02
40	TM	2-Methylnaphthalene	0.713	0.675	5.3	112	-0.04
41	TM	1-Methylnaphthalene	0.668	0.648	3.0	118	-0.04
42	IR	d10-Acenaphthene	1.000	1.000	0.0	118	-0.04
43	TPM	Hexachlorocyclopentadiene	0.240	0.211	20.6 ~~12.1~~	87	-0.04
44	TM	1,2,4,5-Tetrachlorobenzene	0.589	0.533	9.5	108	-0.04
45	TM	1,2,3,4-Tetrachlorobenzene	0.620	0.629	-1.5	121	-0.04
46	TCM	2,4,6-Trichlorophenol	0.373	0.361	3.2	112	-0.04
47	TM	2,4,5-Trichlorophenol	0.401	0.376	6.2	108	-0.04
48	S	SURR5,2-FLUOROBIPHENYL	1.521	1.482	2.6	117	-0.04
49	TM	1,1'-Biphenyl	1.772	1.733	2.2	117	-0.04
50	TM	2-Chloronaphthalene	1.281	1.211	5.5	114	-0.04

1st DM 06/19/19
2nd MP 06/19/19

Data Path : I:\ACQUDATA\5973A\DATA\061819\
Data File : DS478.D
Acq On : 18 Jun 2019 2:52 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 19 11:08:19 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 14 09:13:59 2019
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
51	TM	2-Nitroaniline	0.366	0.367	-0.3	126	-0.03
52	TM	Acenaphthylene	2.051	2.029	1.1	119	-0.04
53	TM	Dimethyl phthalate	1.497	1.213	19.0	102	-0.04
54	TM	2,6-Dinitrotoluene	0.340	0.292	14.1	106	-0.03
55	TMC	Acenaphthene	1.427	1.282	10.2	107	-0.04
56	TM	3-Nitroaniline	0.391	0.390	0.3	119	-0.03
57	TPM	2,4-Dinitrophenol	0.117	0.141	-20.5#	125	-0.03
58	TM	Dibenzofuran	1.762	1.590	9.8	107	-0.04
59	TM	2,4-Dinitrotoluene	0.449	0.398	11.4	105	-0.03
60	TMP	4-Nitrophenol	0.256	0.237	7.4	104	-0.02
61	TM	Pentachlorobenzene	0.472	0.439	7.0	111	-0.04
62	TM	2,3,4,6-Tetrachlorophenol	0.269	0.260	3.3	108	-0.04
63	TM	Fluorene	1.449	1.334	7.9	114	-0.04
64	TM	4-Chlorophenyl-phenylether	0.585	0.584	0.2	121	-0.04
65	TM	Diethylphthalate	1.483	1.249	15.8	103	-0.04
66	TM	4-Nitroaniline	0.385	0.380	1.3	112	-0.03
67	S	SURR3,2,4,6-TRIBROMOPHENOL	0.164	0.205	-25.0#	150	-0.04
68	TM	Octachlorocyclopentene	0.188	0.209	-11.2	128	-0.04
69	IR	d10-Phenanthrene	1.000	1.000	0.0	119	-0.04
70	TM	4,6-Dinitro-2-methylphenol	0.154	0.150	2.6	113	-0.03
71	TM	1,2 Diphenylhydrazine	0.892	0.862	3.4	124	-0.04
72	TCM	N-Nitrosodiphenylamine	0.707	0.680	3.8	118	-0.04
73	TM	4-Bromophenyl-phenylether	0.209	0.214	-2.4	127	-0.04
74	TM	Hexachlorobenzene	0.235	0.236	-0.4	128	-0.04
75	TM	Atrazine	0.114	0.099	13.2	106	-0.03
76	TCM	Pentachlorophenol	0.077	0.087	-13.0	116	-0.04
77	TM	Phenanthrene	1.265	1.204	4.8	117	-0.04
78	TM	Anthracene	1.257	1.181	6.0	114	-0.04
79	TM	Carbazole	1.235	1.224	0.9	118	-0.04
80	TM	Di-n-butylphthalate	1.596	1.393	12.7	105	-0.04
81	TCM	Fluoranthene	1.295	1.271	1.9	116	-0.04
82	IR	d12-Chrysene	1.000	1.000	0.0	123	-0.06
83	TM	Benzidine	0.939	0.795	15.3	99	-0.05
84	TM	Pyrene	1.469	1.441	1.9	116	-0.04
85	S	SURR6,TERPHENYL-D14	0.942	0.979	-3.9	126	-0.05
86	TM	Butyl benzyl phthalate	0.815	0.673	17.4	101	-0.06
87	TM	3,3'-Dichlorobenzidine	0.532	0.493	7.3	113	-0.06
88	TM	Benzo(a)anthracene	1.358	1.280	5.7	116	-0.06
89	TM	Chrysene	1.250	1.246	0.3	122	-0.05
90	TM	bis(2-Ethylhexyl)phthalate	1.121	0.913	18.6	99	-0.07
91	IR	d12-Perylene	1.000	1.000	0.0	125	-0.07
92	TCM	Di-n-octyl phthalate	1.898	1.574	17.1	103	-0.08
93	TM	Benzo(b)Fluoranthene	1.331	1.319	0.9	122	-0.05
94	TM	Benzo(k)fluoranthene	1.261	1.195	5.2	115	-0.06
95	TCM	Benzo(a)pyrene	1.145	1.159	-1.2	124	-0.06
96	TM	Indeno(1,2,3-cd)Pyrene	1.123	1.186	-5.6	133	-0.04
97	TM	Dibenz(a,h)anthracene	1.176	1.177	-0.1	124	-0.05
98	TM	Benzo(g,h,i)perylene	0.968	1.130	-16.7	146	-0.05

-6.0
-0.0

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\5973A\DATA\061819\
Data File : DS478.D
Acq On : 18 Jun 2019 2:52 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 19 11:08:19 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 14 09:13:59 2019
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

1st DM 06/19/19
2nd MP 06/19/19

Data Path : I:\ACQUDATA\5973A\DATA\061819\
Data File : DS478.D
Acq On : 18 Jun 2019 2:52 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
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Quant Time: Jun 19 11:08:19 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 14 09:13:59 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.688	152	125913	40.00	ppm		-0.04
24) d8-Naphthalene	5.863	136	493013	40.00	ppm		-0.04
42) d10-Acenaphthene	7.572	164	241326	40.00	ppm		-0.04
69) d10-Phenanthrene	9.046	188	380400	40.00	ppm		-0.04
82) d12-Chrysene	12.299	240	350413	40.00	ppm		-0.06
91) d12-Perylene	15.225	264	355617	40.00	ppm		-0.07
System Monitoring Compounds							
4) SURR1,2-FLUOROPHENOL	3.614	112	375255	81.94	ppm		-0.05
Spiked Amount 100.000	Range 10 - 70		Recovery = 81.94%#				
8) SURR2,PHENOL-D6	4.388	99	464276	82.51	ppm		-0.04
Spiked Amount 100.000	Range 10 - 107		Recovery = 82.51%				
25) SURR4,NITROBENZENE-D5	5.200	82	387053	77.37	ppm		-0.04
Spiked Amount 50.000	Range 31 - 110		Recovery = 154.74%#				
48) SURR5,2-FLUOROBIPHENYL	6.904	172	715131	77.93	ppm		-0.04
Spiked Amount 50.000	Range 31 - 118		Recovery = 155.86%#				
67) SURR3,2,4,6-TRIBROMOPH...	8.362	330	99175	100.36	ppm		-0.04
Spiked Amount 100.000	Range 35 - 141		Recovery = 100.36%				
85) SURR6,TERPHENYL-D14	10.718	244	686142	83.12	ppm		-0.05
Spiked Amount 50.000	Range 10 - 165		Recovery = 166.24%#				
Target Compounds							Qvalue
2) Pyridine	2.540	79	425237	86.454	ppm		97
3) N-Nitrosodimethylamine	2.514	74	264403	89.949	ppm		89
5) N-Nitrosodiethylamine	3.785	102	170999	76.572	ppm		97
6) Benzaldehyde	4.324	106	278891	86.588	ppm		98
7) Aniline	4.410	93	616791	85.893	ppm		75
9) Phenol	4.404	94	461930m	75.067	ppm		
10) bis(2-Clethyl)Ether	4.453	93	339874	79.825	ppm		98
11) 2-Chlorophenol	4.522	128	363247	75.149	ppm		97
12) 1,3-Diclbenzene	4.640	146	388865	77.301	ppm		99
13) 1,4-Dichlorobenzene	4.704	146	397447	77.205	ppm		98
14) 1,2-Diclbenzene	4.842	146	376390	76.522	ppm		97
15) Benzyl Alcohol	4.821	79	274944	83.985	ppm		97
16) 1-Methyl-2-pyrrolidinone	4.858	99	250459	83.710	ppm		96
17) 2,2'-oxybis(1-Chloropr...	4.917	45	414948	101.424	ppm	#	71
18) 2-Methylphenol	4.939	108	317795	73.272	ppm		93
19) 3+4-Methylphenol	5.077	108	372620m	75.929	ppm		
20) Acetophenone	5.056	105	483720	79.360	ppm		98
21) N-Nitroso-Di-n-propyla...	5.051	70	268000	81.525	ppm		91
22) Hexachloroethane	5.136	117	154965	78.207	ppm		96
23) Alpha-terpinol	5.884	121	127358	79.184	ppm		98
26) Nitrobenzene	5.216	77	336603	66.987	ppm		95
27) Isophorone	5.430	82	610259	72.862	ppm		98
28) 2-Nitrophenol	5.510	139	191901	73.815	ppm		97
29) 2,4-Dimethylphenol	5.553	107	337634	72.119	ppm		95
30) bis(-2-Chloroethoxy)Me...	5.622	93	396533	80.522	ppm		98
31) Benzoic Acid	5.670	105	133586	68.492	ppm		97
32) 2,4-Dichlorophenol	5.750	162	270072	72.830	ppm		96
33) 1,2,4-Trichlorobenzene	5.804	180	302869	77.461	ppm		95
34) Naphthalene	5.884	128	1010143	74.341	ppm		99
35) 4-Chloroaniline	5.948	127	421935	74.209	ppm		99
36) 2,6-Dichlorophenol	5.953	162	275613	71.075	ppm		97
37) Hexachlorobutadiene	5.980	225	149603	75.516	ppm		89
38) 4-Chloro-3-methylphenol	6.434	107	266761	72.027	ppm		100

1st DM 06/19/19
2nd MP 06/19/19

Data Path : I:\ACQUDATA\5973A\DATA\061819\
Data File : DS478.D
Acq On : 18 Jun 2019 2:52 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 19 11:08:19 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 14 09:13:59 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) Caprolactam	6.306	113	110075	74.887	ppm		96
40) 2-Methylnaphthalene	6.546	142	665171	75.642	ppm		97
41) 1-Methylnaphthalene	6.648	142	639203	77.694	ppm		98
43) Hexachlorocyclopentadiene	6.685	237	102003	63.559	ppm		97
44) 1,2,4,5-Tetrachloroben...	6.712	216	257420	72.476	ppm		98
45) 1,2,3,4-Tetrachloroben...	6.990	216	303686	81.199	ppm		97
46) 2,4,6-Trichlorophenol	6.840	196	174047m	77.366	ppm		
47) 2,4,5-Trichlorophenol	6.893	196	181583	75.046	ppm		97
49) 1,1'-Biphenyl	7.006	154	836450	78.241	ppm		98
50) 2-Chloronaphthalene	7.027	162	584432	75.636	ppm		99
51) 2-Nitroaniline	7.150	65	177256	80.253	ppm		91
52) Acenaphthylene	7.433	152	979303	79.127	ppm		99
53) Dimethyl phthalate	7.305	163	585602	64.822	ppm		99
54) 2,6-Dinitrotoluene	7.385	165	140827	68.664	ppm		91
55) Acenaphthene	7.604	153	618858	71.880	ppm		99
56) 3-Nitroaniline	7.561	138	188412	79.913	ppm		100
57) 2,4-Dinitrophenol	7.679	184	68220	84.792	ppm		85
58) Dibenzofuran	7.775	168	767645	72.205	ppm		99
59) 2,4-Dinitrotoluene	7.791	165	192208	70.959	ppm		78
60) 4-Nitrophenol	7.785	65	114426	73.973	ppm	#	43
61) Pentachlorobenzene	7.732	250	211885	74.438	ppm		98
62) 2,3,4,6-Tetrachlorophenol	7.914	232	125637	77.394	ppm		98
63) Fluorene	8.117	166	643903	73.662	ppm		99
64) 4-Chlorophenyl-phenyle...	8.106	204	281701	79.881	ppm		95
65) Diethylphthalate	7.999	149	602968	67.395	ppm		97
66) 4-Nitroaniline	8.170	138	183255	78.800	ppm		94
68) Octachlorocyclopentene	8.352	307	100948	88.807	ppm		97
70) 4,6-Dinitro-2-methylph...	8.197	198	113846	77.640	ppm		96
71) 1,2 Diphenylhydrazine	8.266	77	656093	77.346	ppm		99
72) N-Nitrosodiphenylamine	8.234	169	1034032	153.828	ppm		99
73) 4-Bromophenyl-phenylether	8.592	248	162559	81.727	ppm		97
74) Hexachlorobenzene	8.656	284	179310	80.163	ppm		92
75) Atrazine	8.768	215	75453	69.372	ppm		98
76) Pentachlorophenol	8.870	266	65898	80.028	ppm		97
77) Phenanthrene	9.073	178	916260	76.164	ppm		99
78) Anthracene	9.121	178	898413	75.161	ppm		97
79) Carbazole	9.292	167	931249	79.313	ppm		99
80) Di-n-butylphthalate	9.607	149	1060118	69.854	ppm		100
81) Fluoranthene	10.280	202	966883	78.506	ppm		98
83) Benzidine	10.445	184	557191	67.767	ppm		99
84) Pyrene	10.547	202	1009663	78.466	ppm		98
86) Butyl benzyl phthalate	11.385	149	471323	66.027	ppm		97
87) 3,3'-Dichlorobenzidine	12.256	252	345787	74.188	ppm		99
88) Benzo(a)anthracene	12.277	228	897306	75.413	ppm		99
89) Chrysene	12.347	228	873149	79.768	ppm		98
90) bis(2-Ethylhexyl)phtha...	12.331	149	639674	65.120	ppm		100
92) Di-n-octyl phthalate	13.645	149	1119713	66.346	ppm		100
93) Benzo(b)Fluoranthene	14.408	252	938093	79.270	ppm		96
94) Benzo(k)fluoranthene	14.462	252	849803	75.818	ppm		98
95) Benzo(a)pyrene	15.108	252	824475	81.011	ppm		97
96) Indeno(1,2,3-cd)Pyrene	17.212	276	843797	84.543	ppm		89
97) Dibenz(a,h)anthracene	17.250	278	837390	80.076	ppm		98
98) Benzo(g,h,i)perylene	17.666	276	803540	93.413	ppm		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

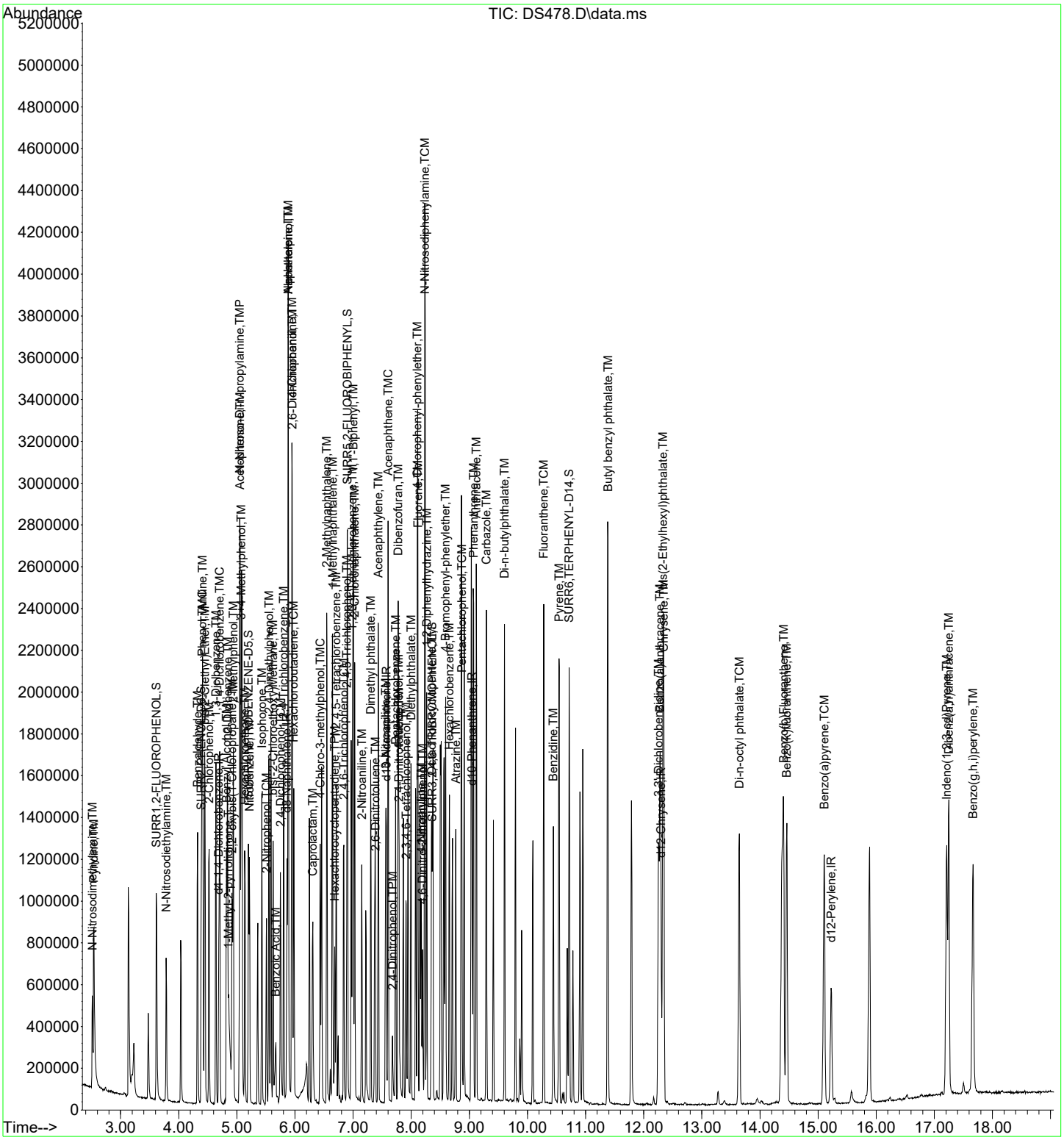
1st 06/19/19

2nd 06/19/19

1st 06/19/19
2nd 06/19/19

Data Path : I:\ACQUDATA\5973A\DATA\061819\
Data File : DS478.D
Acq On : 18 Jun 2019 2:52 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 4 Sample Multiplier: 1

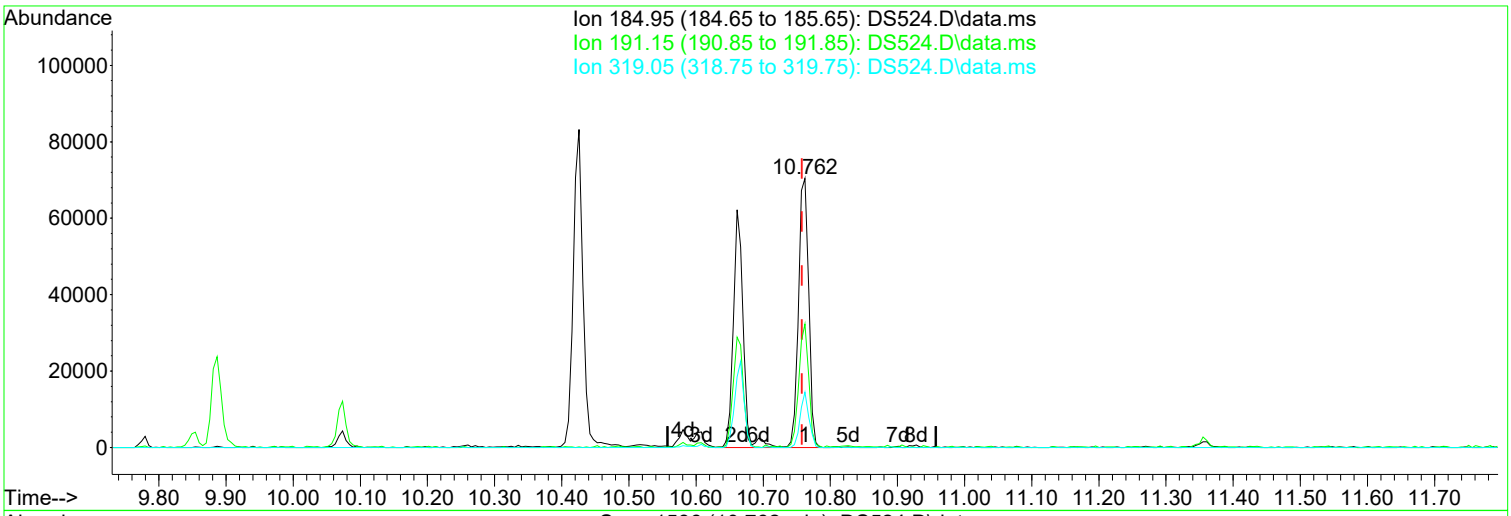
Quant Time: Jun 19 11:08:19 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 14 09:13:59 2019
Response via : Initial Calibration

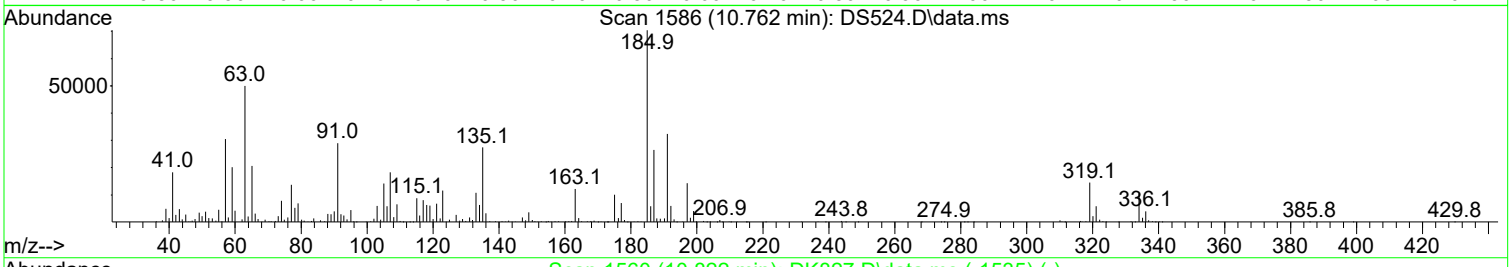


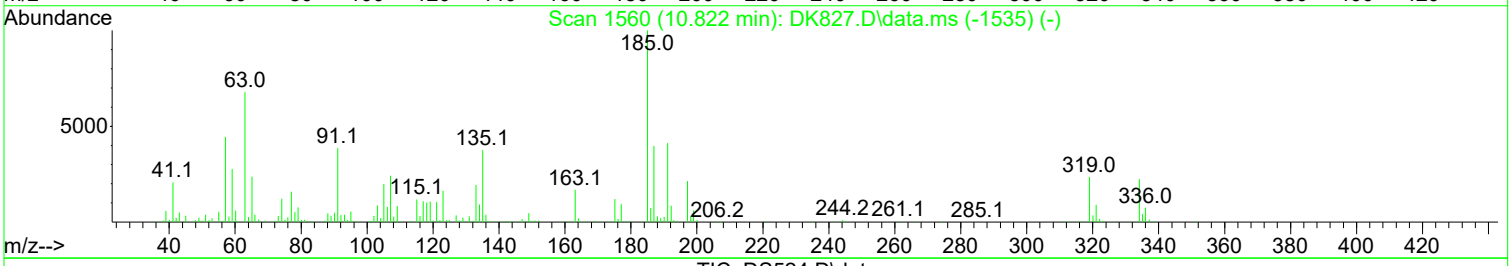
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\061919\
Data File : DS524.D
Acq On : 19 Jun 2019 2:46 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 19 15:08:13 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jun 19 14:41:05 2019
Response via : Initial Calibration







TIC: DS524.D\data.ms

(125) Aramite (TM)

10.762min (+ 0.004) 72.68 ppm m

response 137725

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.10	45.98
319.05	14.30	20.62
0.00	0.00	0.00

Manual Integration:

After

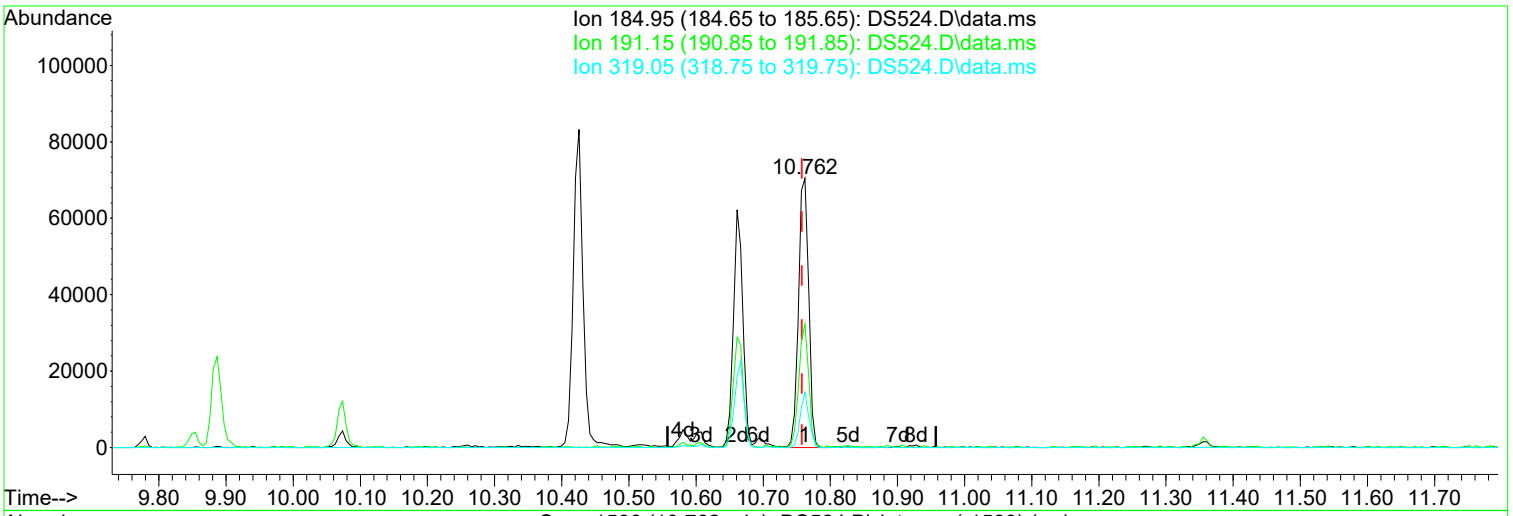
Split Peak.

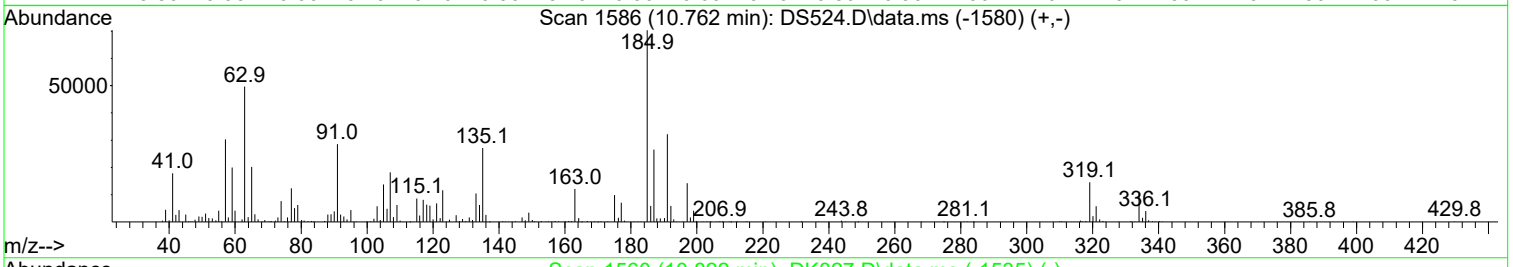
06/24/19

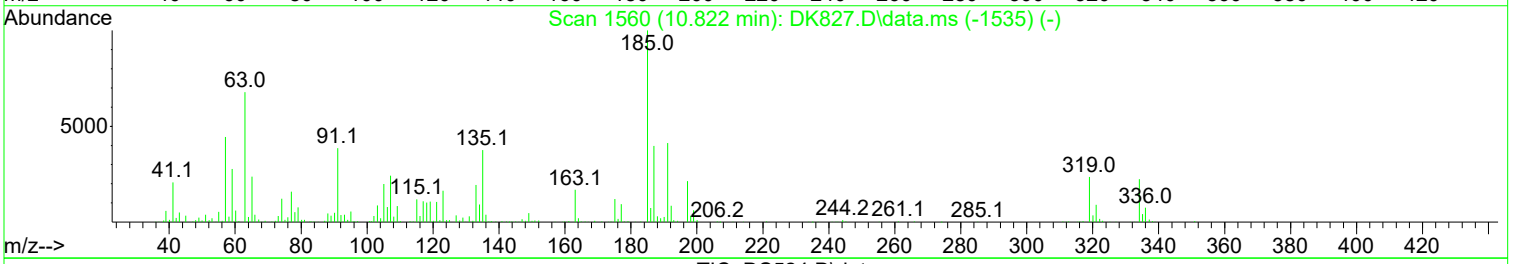
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\061919\
Data File : DS524.D
Acq On : 19 Jun 2019 2:46 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 19 15:08:13 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jun 19 14:41:05 2019
Response via : Initial Calibration







TIC: DS524.D\data.ms

(125) Aramite (TM)

10.762min (+ 0.004) 39.10 ppm

response 74092

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.10	45.73
319.05	14.30	20.64
0.00	0.00	0.00

Manual Integration:

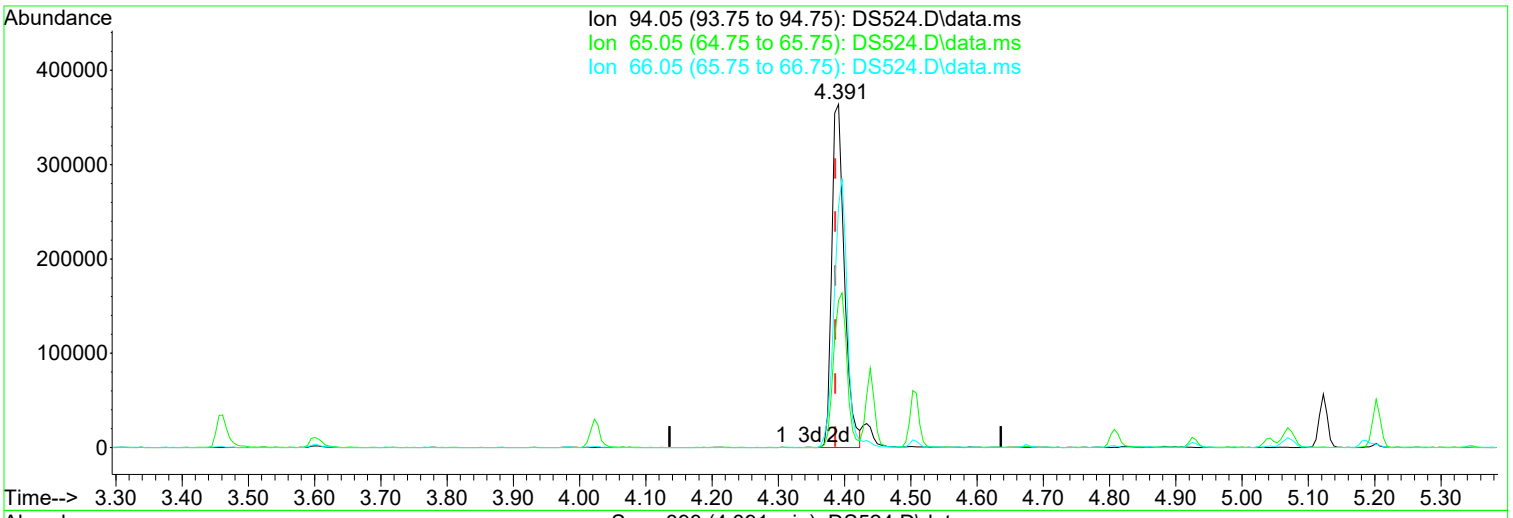
Before

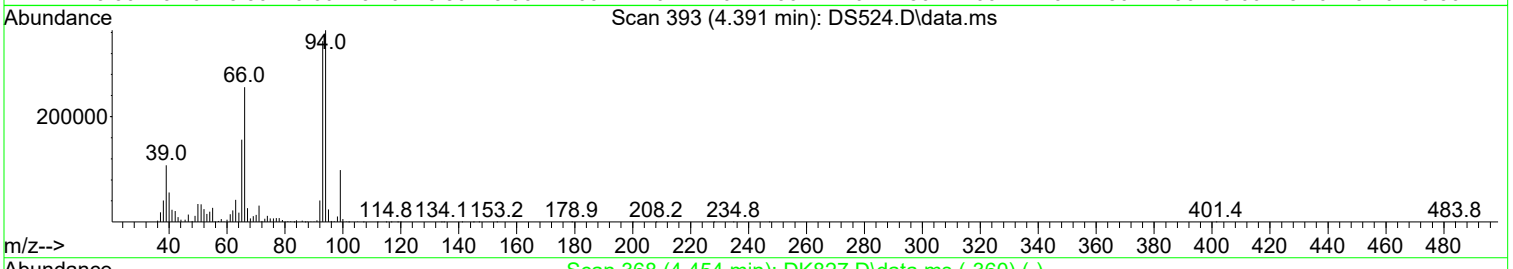
06/24/19

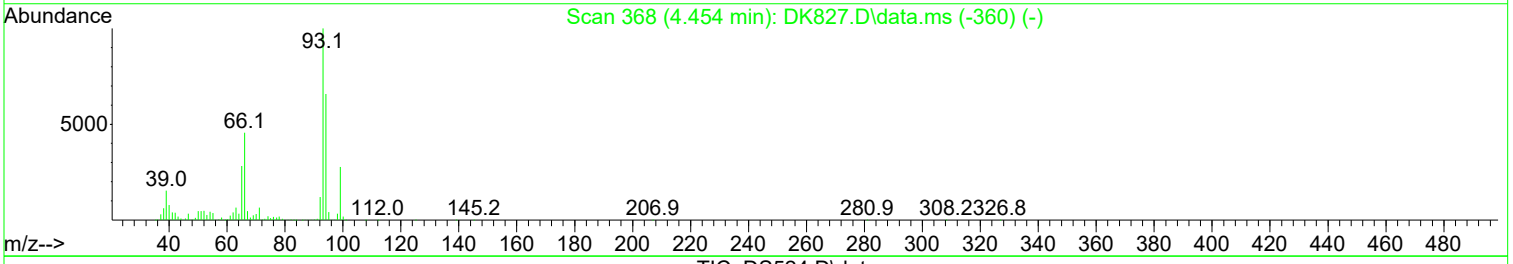
1st JM 06/24/19
2nd MP 06/24/19

Data Path : I:\ACQUDATA\5973A\DATA\061919\
Data File : DS524.D
Acq On : 19 Jun 2019 2:46 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 19 15:08:13 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jun 19 14:41:05 2019
Response via : Initial Calibration







TIC: DS524.D\data.ms

(13) Phenol (TMC)

4.391min (+ 0.004) 77.91 ppm m

response 477738

Ion	Exp%	Act%
94.05	100.00	100.00
65.05	27.10	42.91
66.05	34.10	70.24#
0.00	0.00	0.00

Manual Integration:

After

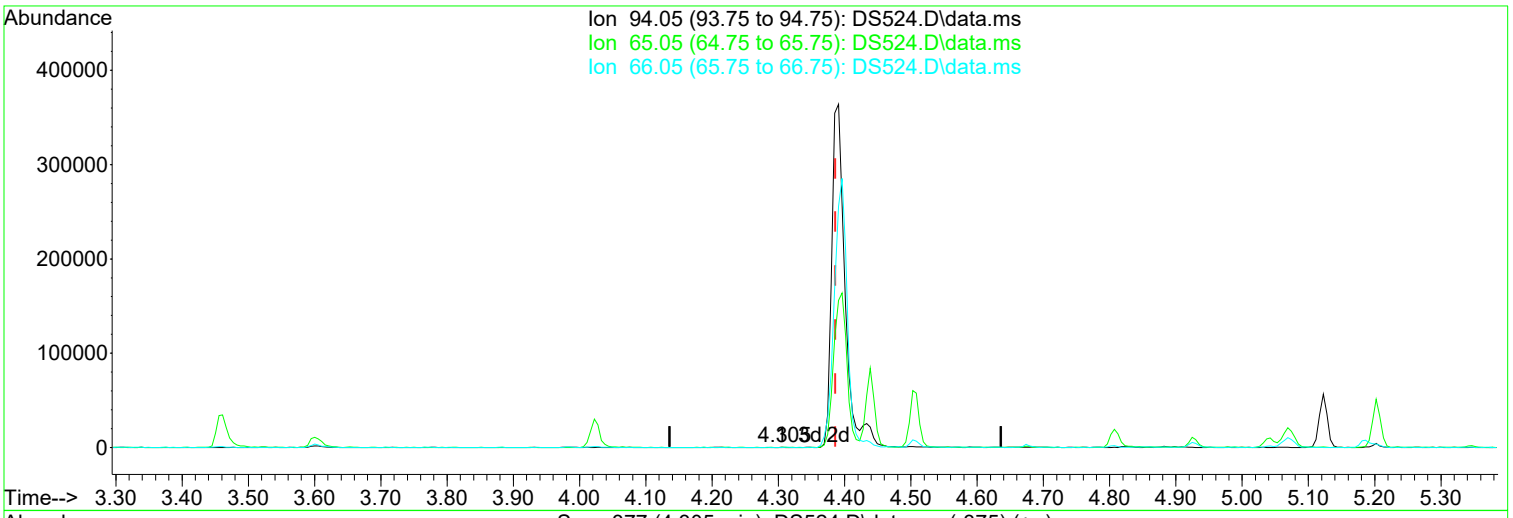
Peak not found.

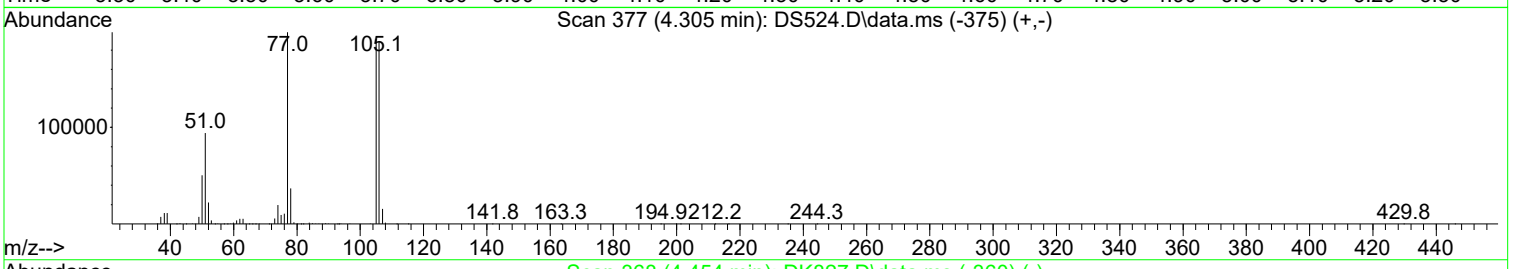
06/24/19

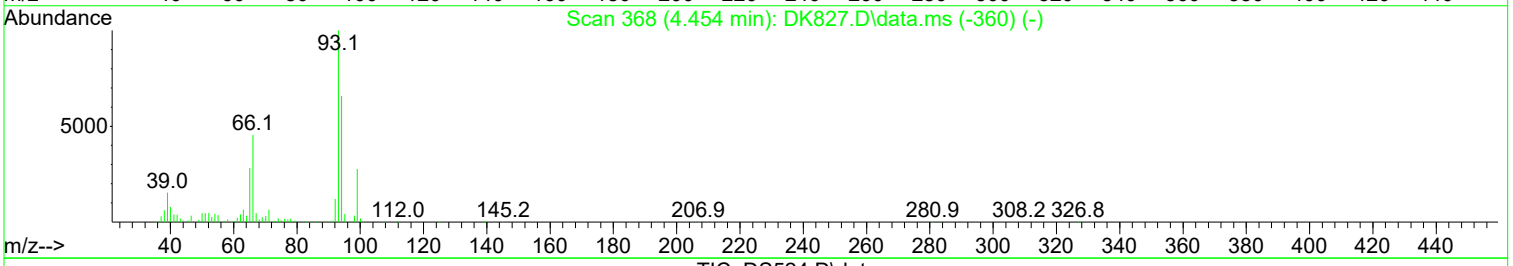
1st DM 06/24/19
2nd MP 06/24/19

Data Path : I:\ACQUDATA\5973A\DATA\061919\
Data File : DS524.D
Acq On : 19 Jun 2019 2:46 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 19 15:08:13 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jun 19 14:41:05 2019
Response via : Initial Calibration







TIC: DS524.D\data.ms

(13) Phenol (TMC)

4.305min (-0.081) 0.02 ppm

response 128

Ion	Exp%	Act%
94.05	100.00	100.00
65.05	27.10	32.07
66.05	34.10	34.78
0.00	0.00	0.00

Manual Integration:

Before

06/24/19

1st 06/24/19
2nd 06/24/19

Data Path : I:\ACQUDATA\5973A\DATA\061919\
Data File : DS524.D
Acq On : 19 Jun 2019 2:46 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
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Quant Time: Jun 19 15:08:13 2019
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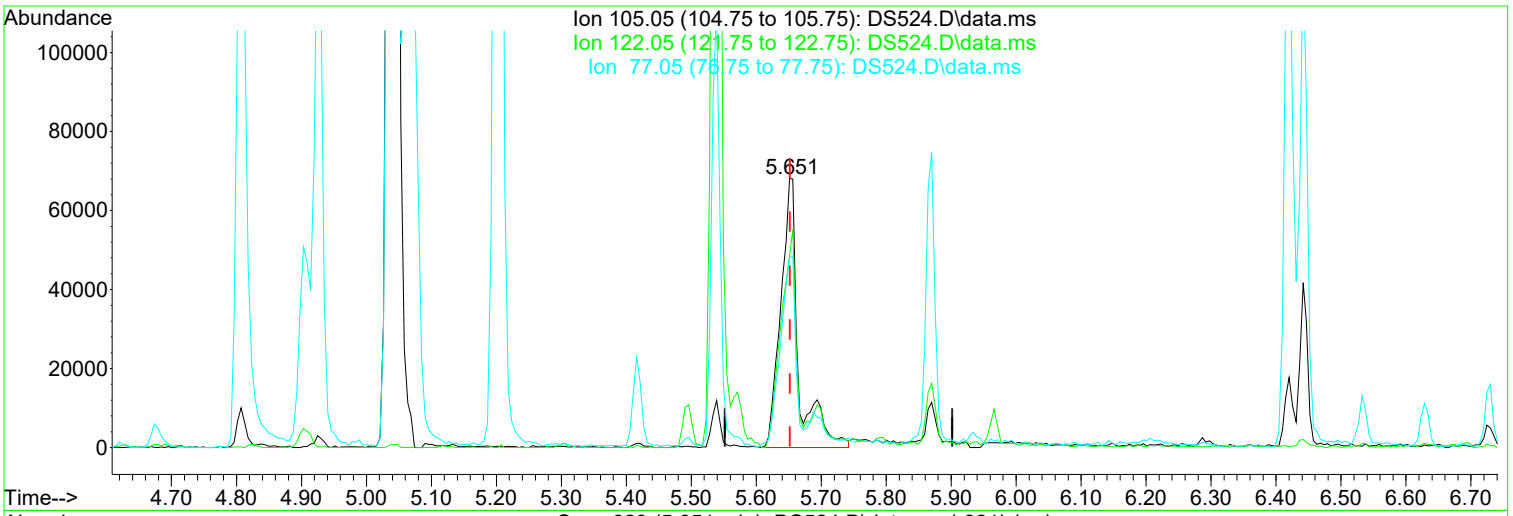
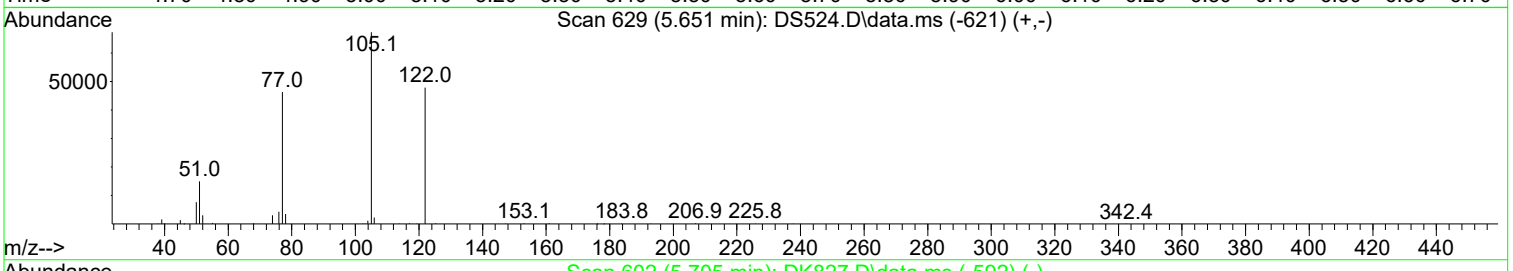
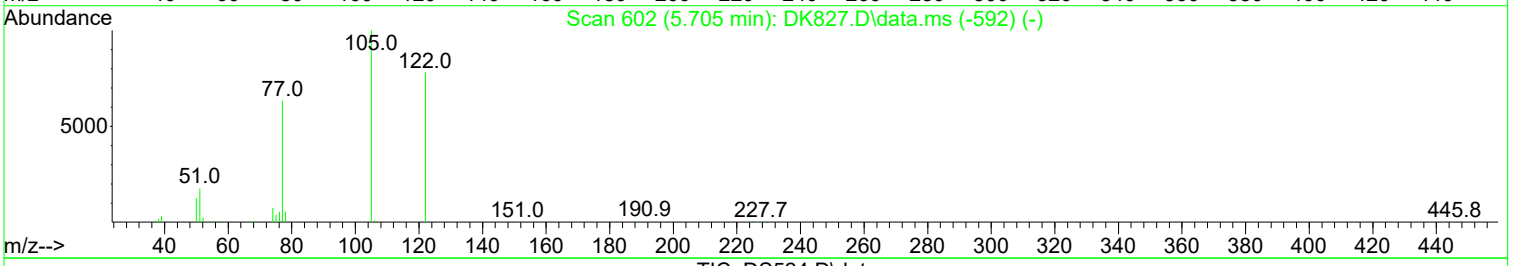
Response via : Initial Calibration







TIC: DS524.D\data.ms

(41) Benzoic Acid (TM)

5.651min (-0.001) 70.03 ppm m

response 131924

Ion	Exp%	Act%
105.05	100.00	100.00
122.05	82.40	71.45
77.05	69.60	70.38
0.00	0.00	0.00

Manual Integration:

After

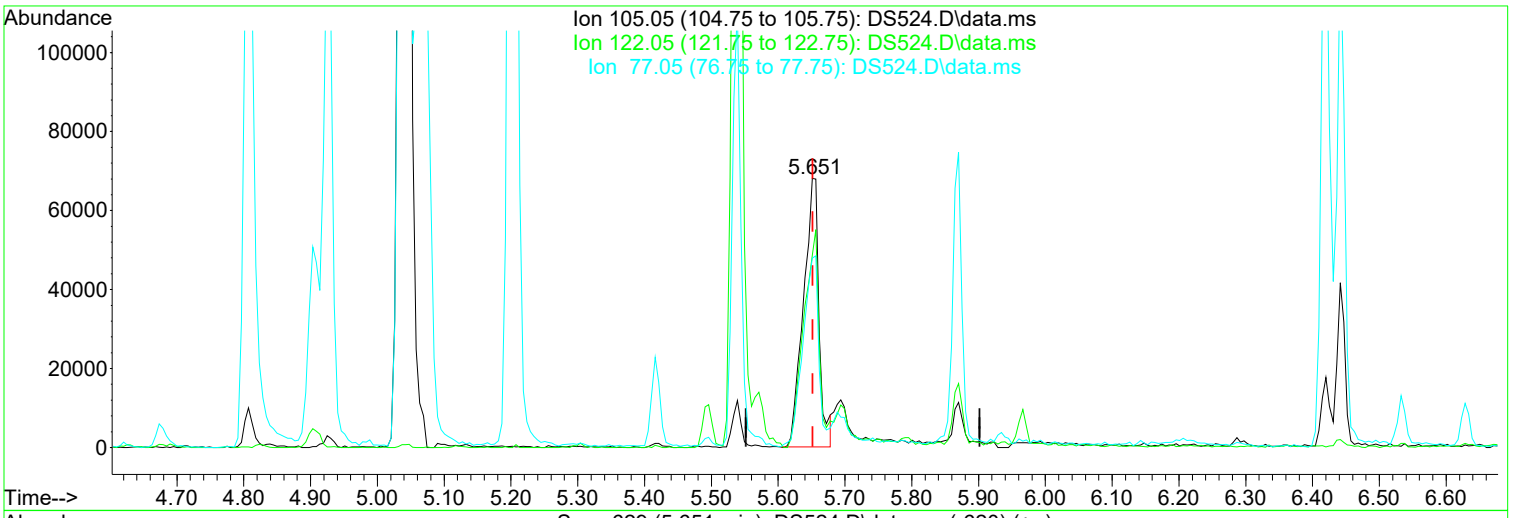
Poor integration.

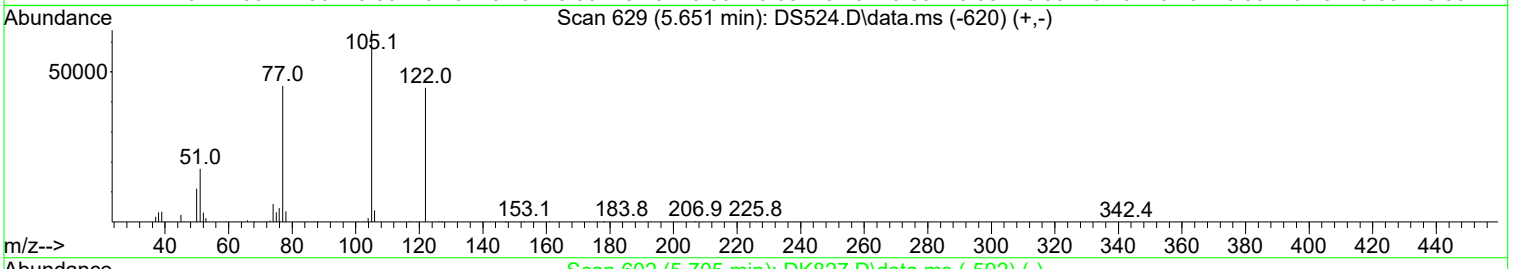
06/24/19

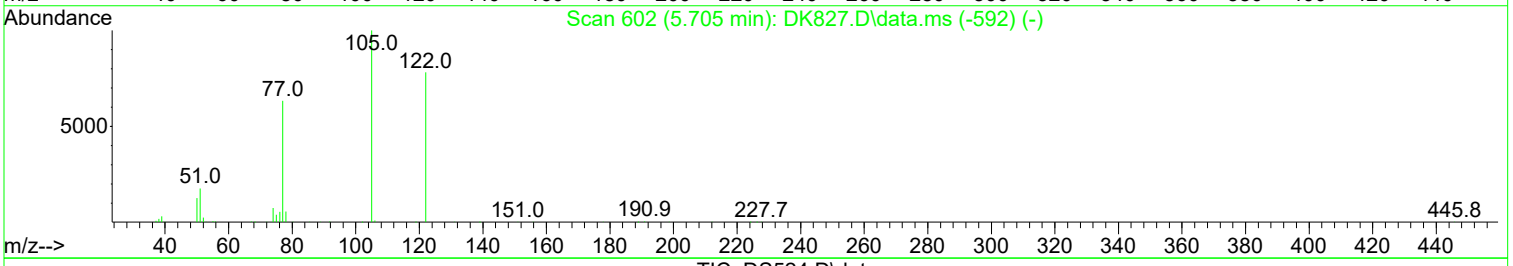
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\061919\
Data File : DS524.D
Acq On : 19 Jun 2019 2:46 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 19 15:08:13 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jun 19 14:41:05 2019
Response via : Initial Calibration







TIC: DS524.D\data.ms

(41) Benzoic Acid (TM)

5.651min (-0.001) 61.13 ppm

response 110343

Ion	Exp%	Act%
105.05	100.00	100.00
122.05	82.40	69.98
77.05	69.60	70.99
0.00	0.00	0.00

Manual Integration:

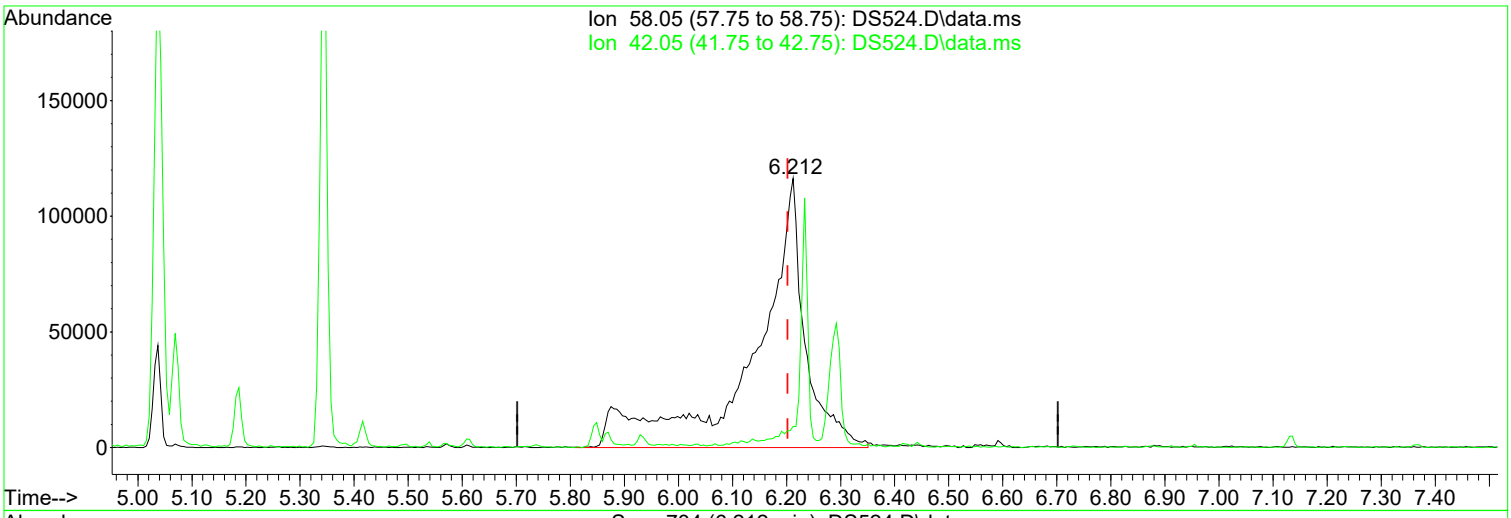
Before

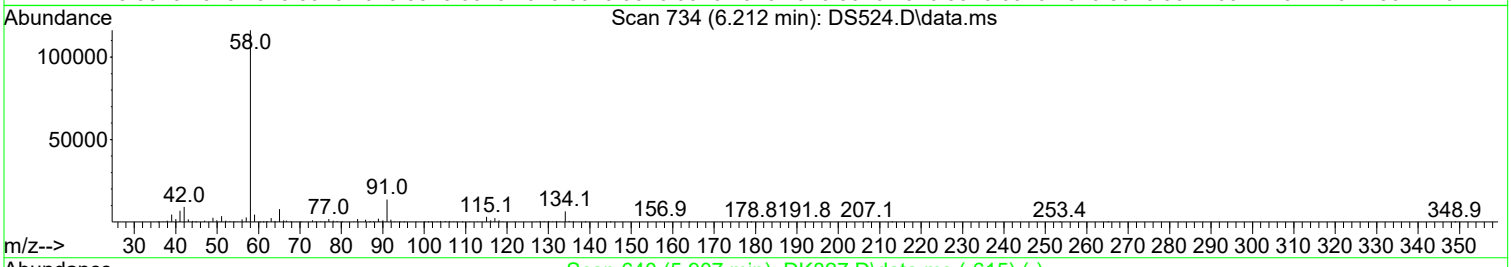
06/24/19

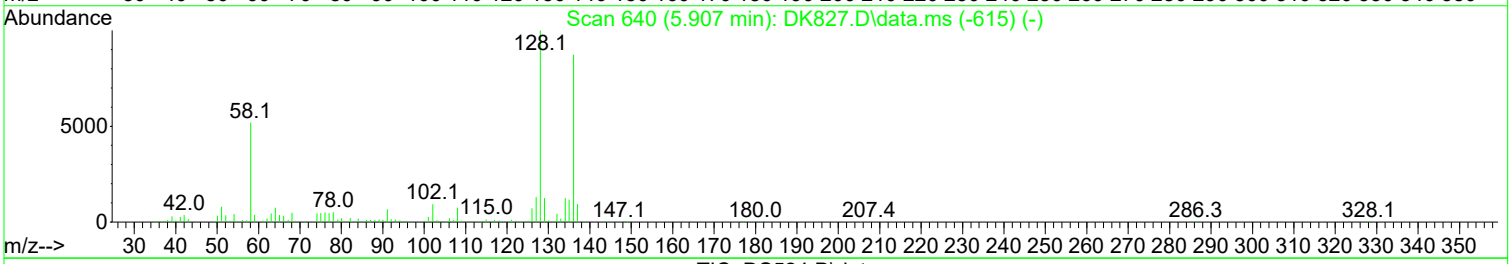
1st DM 06/24/19
2nd MP 06/24/19

Data Path : I:\ACQUDATA\5973A\DATA\061919\
Data File : DS524.D
Acq On : 19 Jun 2019 2:46 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 19 15:08:13 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jun 19 14:41:05 2019
Response via : Initial Calibration







TIC: DS524.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

6.212min (+ 0.010) 83.27 ppm m

response 747226

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	7.40	7.86
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

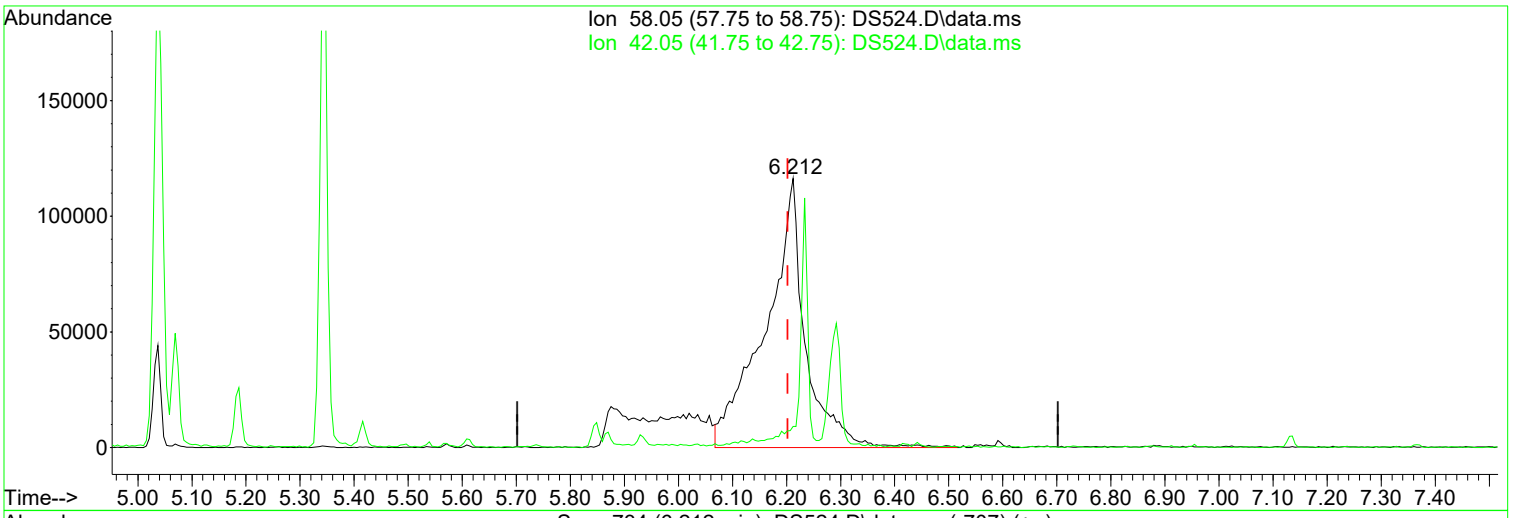
Poor integration.

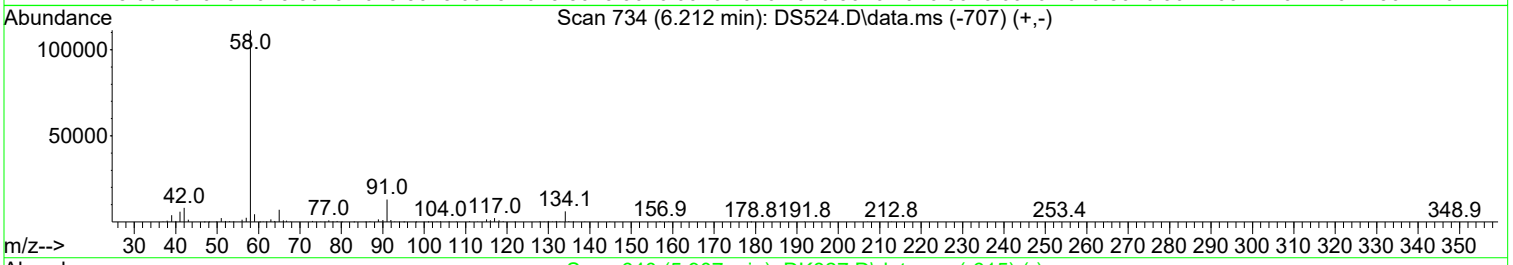
06/24/19

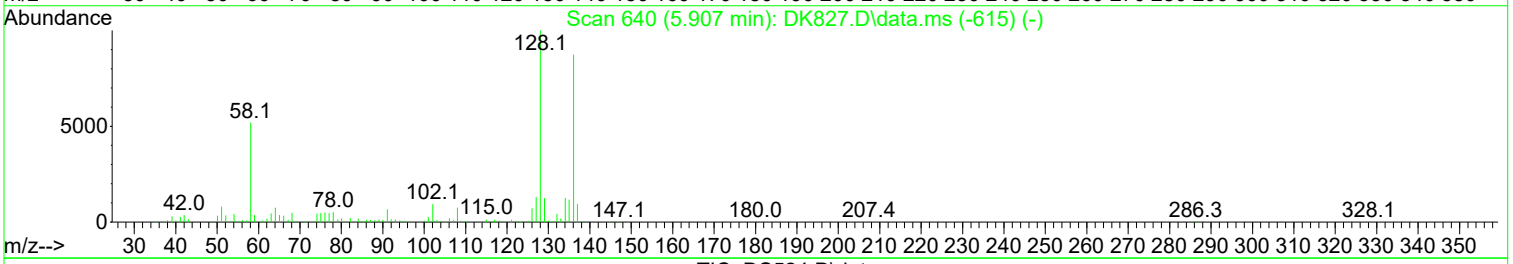
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\061919\
Data File : DS524.D
Acq On : 19 Jun 2019 2:46 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 19 15:08:13 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jun 19 14:41:05 2019
Response via : Initial Calibration







TIC: DS524.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

6.212min (+ 0.010) 66.04 ppm

response 592601

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	7.40	7.32
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

06/24/19

1st DM 06/24/19
2nd MP 06/24/19

Data Path : I:\ACQUDATA\5973A\DATA\061919\
Data File : DS524.D
Acq On : 19 Jun 2019 2:46 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 19 15:08:13 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jun 19 14:41:05 2019
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%D	%Dev	Area%	Dev(min)
1	IR	d4-1,4-Dichlorobenzene	1.000	1.000		0.0	113	-0.06
2	TM	Pyridine	1.563	1.579		-1.0	105	-0.11
3	TM	N-Nitrosodimethylamine	0.934	0.977		-4.6	111	-0.10
4	TM	2-Picoline	1.589	1.524		4.1	106	-0.09
5	TM	N-Nitrosomethylamine	0.643	0.643		0.0	114	-0.07
6	TM	Methyl Methansulfonate	0.724	0.621		14.2	95	-0.06
7	S	SURR1,2-FLUOROPHENOL	1.455	1.412		3.0	108	-0.06
8	TM	N-Nitrosodiethylamine	0.709	0.662		6.6	104	-0.06
9	TM	Ethyl Mathanesulfonate	1.223	1.157		5.4	110	-0.05
10	TM	Benzaldehyde	1.023	0.997		2.5	114	-0.05
11	TM	Aniline	2.281	2.382		-4.4	116	-0.06
12	S	SURR2,PHENOL-D6	1.787	1.824		-2.1	112	-0.05
13	TMC	Phenol	1.955	1.904		2.6	108	-0.05
14	TM	bis(2-Clethyl)Ether	1.353	1.277		5.6	109	-0.06
15	TM	Pentachloroethane	0.545	0.484		11.2	100	-0.06
16	TM	2-Chlorophenol	1.536	1.401		8.8	101	-0.05
17	TM	1,3-Diclbenzene	1.598	1.512		5.4	107	-0.06
18	TMC	1,4-Dichlorobenzene	1.635	1.534		6.2	105	-0.06
19	TM	1,2-Diclbenzene	1.563	1.447		7.4	105	-0.06
20	TM	Benzyl Alcohol	1.040	1.071		-3.0	114	-0.05
21	T	1-Methyl-2-pyrrolidinone	0.950	1.005		-5.8	115	-0.04
22	TM	2,2'-oxybis(1-Chloropropane	1.300	1.572		-20.9#	137	-0.06
23	TM	2-Methylphenol	1.378	1.231		10.7	103	-0.04
24	TM	3+4-Methylphenol	1.559	1.436		7.9	104	-0.04
25	TM	Acetophenone	1.936	1.882		2.8	113	-0.05
26	TMP	N-Nitroso-Di-n-propylamine	1.044	1.033		1.1	117	-0.05
27	TM	N-Nitrosopyrrolidine	0.759	0.764		-0.7	114	-0.05
28	TM	N-Nitrosomorpholine	0.747	0.756		-1.2	121	-0.05
29	TM	o-Toluidine	2.150	2.120		1.4	114	-0.05
30	TM	Hexachloroethane	0.629	0.607		3.5	111	-0.06
31	TM	o,o,o-Triethylphosphorothio	0.656	0.673		-2.6	118	-0.06
32	TM	Alpha-terpinol	0.511	0.518		-1.4	117	-0.06
33	IR	d8-Naphthalene	1.000	1.000		0.0	115	-0.06
34	S	SURR4,NITROBENZENE-D5	0.406	0.397		2.2	114	-0.05
35	TM	Nitrobenzene	0.408	0.341		16.4	98	-0.05
36	TM	N-Nitrosopiperidine	0.222	0.226		-1.8	119	-0.05
37	TM	Isophorone	0.680	0.630		7.4	107	-0.05
38	TCM	2-Nitrophenol	0.211	0.194		8.1	102	-0.05
39	TM	2,4-Dimethylphenol	0.380	0.352		7.4	103	-0.05
40	TM	bis(-2-Chloroethoxy)Methane	0.400	0.399		0.3	114	-0.06
41	TM	Benzoic Acid	0.144	0.139	12.5	~~-3.5~~	98	-0.04
42	TCM	2,4-Dichlorophenol	0.301	0.285		5.3	104	-0.05
43	TM	a,a-Dimethylphenethylamine	0.759	0.790		-4.1	113	0.29
44	TM	1,2,4-Trichlorobenzene	0.317	0.313		1.3	112	-0.06
45	TM	Naphthalene	1.102	1.053		4.4	110	-0.06
46	TM	4-Chloroaniline	0.461	0.436		5.4	107	-0.05
47	TM	2,6-Dichlorophenol	0.315	0.294		6.7	107	-0.05
48	TCM	Hexachlorobutadiene	0.161	0.161		0.0	116	-0.06
49	TM	Hexachloropropene	0.201	0.183		9.0	103	-0.06
50	TMC	4-Chloro-3-methylphenol	0.300	0.288		4.0	107	-0.05
51	TM	N-N-di-n-butylamine	0.238	0.247		-3.8	120	-0.05

1st DM 06/24/19
2nd MP 06/24/19

Data Path : I:\ACQUDATA\5973A\DATA\061919\
Data File : DS524.D
Acq On : 19 Jun 2019 2:46 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 19 15:08:13 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jun 19 14:41:05 2019
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%D	%Dev	Area%	Dev(min)
52	TM	Caprolactam	0.119	0.122		-2.5	123	-0.03
53	TM	p-Phenylenediamine	0.077	0.063		18.2	88	-0.04
54	TM	Safrole	0.283	0.258		8.8	103	-0.06
55	TM	2-Methylnaphthalene	0.713	0.702		1.5	112	-0.06
56	TM	1-Methylnaphthalene	0.668	0.672		-0.6	117	-0.06
57	IR	d10-Acenaphthene	1.000	1.000		0.0	120	-0.06
58	TPM	Hexachlorocyclopentadiene	0.240	0.204	23.0	~~-15.0~~	86	-0.06
59	TM	1,2,4,5-Tetrachlorobenzene	0.589	0.539		8.5	111	-0.06
60	TM	1,2,3,4-Tetrachlorobenzene	0.620	0.628		-1.3	123	-0.06
61	TCM	2,4,6-Trichlorophenol	0.373	0.359		3.8	113	-0.06
62	TM	2,4,5-Trichlorophenol	0.401	0.368		8.2	108	-0.05
63	S	SURR5,2-FLUOROBIPHENYL	1.521	1.448		4.8	117	-0.05
64	TM	Isosafrole	0.257	0.251		2.3	121	-0.05
65	TM	1,1'-Biphenyl	1.772	1.687		4.8	116	-0.06
66	TM	2-Chloronaphthalene	1.281	1.179		8.0	113	-0.06
67	TM	2-Nitroaniline	0.366	0.367		-0.3	128	-0.05
68	TM	1,4-Naphthoquinone	0.402	0.378		6.0	108	-0.05
69	TM	m-Dinitrobenzene	0.252	0.228		9.5	111	-0.04
70	TM	Acenaphthylene	2.051	2.008		2.1	120	-0.06
71	TM	Dimethyl phthalate	1.497	1.245		16.8	107	-0.05
72	TM	2,6-Dinitrotoluene	0.340	0.300		11.8	111	-0.05
73	TMC	Acenaphthene	1.427	1.277		10.5	109	-0.06
74	TM	3-Nitroaniline	0.391	0.395		-1.0	123	-0.05
75	TPM	2,4-Dinitrophenol	0.117	0.129	1.3	~~-10.3~~	116	-0.05
76	TM	Dibenzofuran	1.762	1.577		10.5	108	-0.06
77	TM	2,4-Dinitrotoluene	0.449	0.403		10.2	108	-0.05
78	TMP	4-Nitrophenol	0.256	0.239		6.6	107	-0.05
79	TM	Pentachlorobenzene	0.472	0.451		4.4	116	-0.05
80	TM	1-Napthylamine	0.928	0.873		5.9	119	-0.06
81	TM	2-Napthylamine	1.182	1.134		4.1	120	-0.05
82	TM	2,3,4,6-Tetrachlorophenol	0.269	0.275		-2.2	116	-0.06
83	TM	Fluorene	1.449	1.369		5.5	119	-0.06
84	TM	4-Chlorophenyl-phenylether	0.585	0.603		-3.1	127	-0.06
85	TM	Diethylphthalate	1.483	1.245		16.0	104	-0.06
86	TM	4-Nitroaniline	0.385	0.400		-3.9	120	-0.05
87	TM	5-Nitro-o-toluidine	0.438	0.443		-1.1	120	-0.05
88	S	SURR3,2,4,6-TRIBROMOPHENOL	0.164	0.203		-23.8#	152	-0.06
89	TM	Sulfotepp	0.185	0.194		-4.9	130	-0.06
90	TM	Octachlorocyclopentene	0.188	0.210		-11.7	130	-0.06
91	IR	d10-Phenanthrene	1.000	1.000		0.0	125	-0.06
92	TM	Thionazin	0.157	0.146		7.0	122	-0.06
93	TM	4,6-Dinitro-2-methylphenol	0.154	0.148		3.9	118	-0.04
94	TM	Diphenylamine	0.707	0.662		6.4	121	-0.05
95	TM	1,2 Diphenylhydrazine	0.892	0.839		5.9	126	-0.05
96	TCM	N-Nitrosodiphenylamine	0.707	0.662		6.4	121	-0.05
97	TM	1,3,5-Trinirobenzene	0.128	0.148		-15.6	143	-0.03
98	TM	Diallate	0.368	0.343		6.8	129	-0.06
99	TM	Phorate	0.185	0.171		7.6	122	-0.06
100	TM	Phenacetin	0.466	0.458		1.7	123	-0.05
101	TM	4-Bromophenyl-phenylether	0.209	0.213		-1.9	133	-0.06

1st DM 06/24/19
2nd MP 06/24/19

Data Path : I:\ACQUDATA\5973A\DATA\061919\
Data File : DS524.D
Acq On : 19 Jun 2019 2:46 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 19 15:08:13 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jun 19 14:41:05 2019
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%D	%Dev	Area%	Dev(min)	
102	TM	Hexachlorobenzene	0.235	0.241		-2.6	137	-0.06	
103	TM	Dimethoate	0.306	0.287		6.2	123	-0.05	
104	TM	Atrazine	0.114	0.100		12.3	111	-0.05	
105	TCM	Pentachlorophenol	0.077	0.085	1.7	~~-10.4~~	119	-0.05	
106	TM	4-Aminobiphenyl	0.718	0.711		1.0	123	-0.06	
107	TM	Pentachloronitrobenzene	0.087	0.083		4.6	116	-0.05	
108	TM	Pronamide	0.409	0.417		-2.0	122	-0.05	
109	TM	Dinoseb	0.203	0.196		3.4	116	-0.05	
110	TM	Disulfoton	0.439	0.389		11.4	116	-0.06	
111	TM	Phenanthrene	1.265	1.177		7.0	120	-0.06	
112	TM	Anthracene	1.257	1.160		7.7	118	-0.05	
113	TM	Carbazole	1.235	1.224		0.9	124	-0.05	
114	TM	Di-n-butylphthalate	1.596	1.390		12.9	110	-0.06	
115	TM	4-Nitroquinonline-1-oxide	0.075	0.044		41.3#	70	-0.05	NT
116	TCM	Fluoranthene	1.295	1.283		0.9	123	-0.06	
117	IR	d12-Chrysene	1.000	1.000		0.0	133	-0.09	
118	TM	Methyl Parathion	0.317	0.282		11.0	116	-0.06	
119	TM	Ethyl Parathion	0.237	0.223		5.9	124	-0.06	
120	TM	Methapyrilene	0.345	0.305		11.6	117	-0.07	
121	TM	Isodrin	0.146	0.123		15.8	111	-0.07	
122	TM	Benzidine	0.939	0.777		17.3	104	-0.07	
123	TM	Pyrene	1.469	1.384		5.8	120	-0.07	
124	S	SURR6,TERPHENYL-D14	0.942	0.944		-0.2	130	-0.07	
125	TM	Aramite	0.201	0.183		9.0	118	-0.06	
126	TM	p-(Dimethylamino)azobenzene	0.436	0.414		5.0	116	-0.07	
127	TM	Chlorobenzilate	0.510	0.484		5.1	121	-0.08	
128	TM	Butyl benzyl phthalate	0.815	0.670		17.8	108	-0.09	
129	TM	3,3-Dimethylbenzidine	0.893	0.805		9.9	114	-0.08	
130	TM	2-Acetylaminofluorene	0.651	0.636		2.3	123	-0.07	
131	TM	3,3'-Dichlorobenzidine	0.532	0.495		7.0	122	-0.09	
132	TM	Benzo(a)anthracene	1.358	1.280		5.7	125	-0.09	
133	TM	Chrysene	1.250	1.227		1.8	130	-0.08	
134	TM	bis(2-Ethylhexyl)phthalate	1.121	0.918		18.1	107	-0.10	
135	IR	d12-Perylene	1.000	1.000		0.0	138	-0.11	
136	TCM	Di-n-octyl phthalate	1.898	1.526		19.6	110	-0.12	
137	TM	7,12-Dimethylbenz(a)anthrac	0.605	0.600		0.8	133	-0.11	
138	TM	Benzo(b)Fluoranthene	1.331	1.248		6.2	127	-0.10	
139	TM	Benzo(k)fluoranthene	1.261	1.131		10.3	121	-0.10	
140	TCM	Benzo(a)pyrene	1.145	1.106		3.4	131	-0.10	
141	TM	3-Methylcholanthrene	0.670	0.642		4.2	129	-0.09	
142	TM	Indeno(1,2,3-cd)Pyrene	1.123	1.046		6.9	129	-0.08	
143	TM	Dibenz(a,h)anthracene	1.176	1.069		9.1	124	-0.09	
144	TM	Benzo(g,h,i)perylene	0.968	0.999		-3.2	143	-0.08	

(#) = Out of Range SPCC's out = 0 CCC's out = 0

1st DM 06/24/19
2nd MP 06/24/19

Data Path : I:\ACQUDATA\5973A\DATA\061919\
Data File : DS524.D
Acq On : 19 Jun 2019 2:46 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 19 15:08:13 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jun 19 14:41:05 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.674	152	125469	40.00	ppm		0.00
33) d8-Naphthalene	5.849	136	473209	40.00	ppm		0.00
57) d10-Acenaphthene	7.552	164	245868	40.00	ppm		0.00
91) d10-Phenanthrene	9.027	188	399340	40.00	ppm		0.00
117) d12-Chrysene	12.269	240	376481	40.00	ppm		0.00
135) d12-Perylene	15.185	264	392319	40.00	ppm		0.00
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.600	112	354444	77.67	ppm		0.00
Spiked Amount 100.000	Range 10 - 70		Recovery = 77.67%#				
12) SURR2,PHENOL-D6	4.375	99	457624	81.62	ppm		0.00
Spiked Amount 100.000	Range 10 - 107		Recovery = 81.62%				
34) SURR4,NITROBENZENE-D5	5.186	82	376025	78.31	ppm		0.00
Spiked Amount 50.000	Range 31 - 110		Recovery = 156.62%#				
63) SURR5,2-FLUOROBIPHENYL	6.890	172	711865	76.14	ppm		0.00
Spiked Amount 50.000	Range 31 - 118		Recovery = 152.28%#				
88) SURR3,2,4,6-TRIBROMOPH...	8.343	330	99931	99.26	ppm		0.00
Spiked Amount 100.000	Range 35 - 141		Recovery = 99.26%				
124) SURR6,TERPHENYL-D14	10.698	244	710954	80.16	ppm		0.00
Spiked Amount 50.000	Range 10 - 165		Recovery = 160.32%				
Target Compounds							Qvalue
2) Pyridine	2.516	79	396303	80.857	ppm		96
3) N-Nitrosodimethylamine	2.489	74	245271	83.736	ppm		92
4) 2-Picoline	3.114	93	382326	76.723	ppm		97
5) N-Nitrosomethylamine	3.210	42	161384	80.059	ppm		92
6) Methyl Methansulfonate	3.461	80	155835	68.648	ppm		97
8) N-Nitrosodiethylamine	3.771	102	166235	74.703	ppm		92
9) Ethyl Mathanesulfonate	4.022	79	290319	75.682	ppm		98
10) Benzaldehyde	4.310	106	250309	77.989	ppm		98
11) Aniline	4.396	93	597626	83.519	ppm		79
13) Phenol	4.391	94	477738m	77.910	ppm		
14) bis(2-Clethyl)Ether	4.439	93	320456	75.530	ppm		99
15) Pentachloroethane	4.428	117	121368	71.048	ppm		99
16) 2-Chlorophenol	4.508	128	351570	72.990	ppm		96
17) 1,3-Diclbenzene	4.626	146	379414	75.690	ppm		98
18) 1,4-Dichlorobenzene	4.690	146	385031	75.058	ppm		98
19) 1,2-Diclbenzene	4.823	146	363001	74.061	ppm		95
20) Benzyl Alcohol	4.807	79	268701	82.369	ppm		97
21) 1-Methyl-2-pyrrolidinone	4.850	99	252220	84.597	ppm		95
22) 2,2'-oxybis(1-Chloropr...	4.903	45	394491	96.765	ppm	#	73
23) 2-Methylphenol	4.925	108	308946	71.484	ppm		95
24) 3+4-Methylphenol	5.064	108	360419	73.702	ppm	#	77
25) Acetophenone	5.042	105	472317	77.764	ppm		98
26) N-Nitroso-Di-n-propyla...	5.037	70	259227	79.135	ppm		92
27) N-Nitrosopyrrolidine	5.042	100	191604	80.438	ppm		74
28) N-Nitrosomorpholine	5.069	56	189750	80.928	ppm		90
29) o-Toluidine	5.074	106	532008	78.876	ppm		43
30) Hexachloroethane	5.122	117	152196	77.081	ppm		98
31) o,o,o-Triethylphosphor...	5.571	198	168805	82.087	ppm		76
32) Alpha-terpinol	5.870	121	129914	81.059	ppm		95
35) Nitrobenzene	5.202	77	322982	66.966	ppm		99
36) N-Nitrosopiperidine	5.341	42	213795	81.555	ppm		99
37) Isophorone	5.416	82	596406	74.188	ppm		100
38) 2-Nitrophenol	5.496	139	183134	73.390	ppm		97

1st DM 06/24/19
2nd MP 06/24/19

Data Path : I:\ACQUDATA\5973A\DATA\061919\
Data File : DS524.D
Acq On : 19 Jun 2019 2:46 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 19 15:08:13 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jun 19 14:41:05 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) 2,4-Dimethylphenol	5.539	107	333254	74.162	ppm		92
40) bis(-2-Chloroethoxy)Me...	5.608	93	377648	79.897	ppm		99
41) Benzoic Acid	5.651	105	131924m	70.026	ppm		
42) 2,4-Dichlorophenol	5.736	162	270115	75.890	ppm		96
43) a,a-Dimethylphenethyla...	6.212	58	747226m	83.270	ppm		
44) 1,2,4-Trichlorobenzene	5.790	180	295769	78.811	ppm		98
45) Naphthalene	5.870	128	996829	76.431	ppm		100
46) 4-Chloroaniline	5.934	127	412496	75.585	ppm		99
47) 2,6-Dichlorophenol	5.939	162	278416	74.802	ppm		98
48) Hexachlorobutadiene	5.966	225	152173	80.028	ppm		98
49) Hexachloropropene	5.939	213	173165	72.885	ppm		98
50) 4-Chloro-3-methylphenol	6.420	107	272955	76.783	ppm		99
51) N-N-di-n-butylamine	6.233	84	234043	83.022	ppm		98
52) Caprolactam	6.292	113	115202	81.655	ppm		97
53) p-Phenylenediamine	6.292	80	59617	65.521	ppm		84
54) Safrole	6.441	162	243912	72.858	ppm		98
55) 2-Methylnaphthalene	6.532	142	664400	78.716	ppm		97
56) 1-Methylnaphthalene	6.628	142	635764	80.510	ppm		99
58) Hexachlorocyclopentadiene	6.671	237	100218	61.578	ppm		100
59) 1,2,4,5-Tetrachloroben...	6.693	216	264800	73.176	ppm		94
60) 1,2,3,4-Tetrachloroben...	6.976	216	309002	81.094	ppm		96
61) 2,4,6-Trichlorophenol	6.821	196	176436	76.979	ppm		98
62) 2,4,5-Trichlorophenol	6.879	196	181147	73.482	ppm		98
64) Isosafrole	6.954	104	123567	78.145	ppm	#	30
65) 1,1'-Biphenyl	6.986	154	829573	76.165	ppm		98
66) 2-Chloronaphthalene	7.013	162	579982	73.673	ppm		98
67) 2-Nitroaniline	7.136	65	180283	80.115	ppm		97
68) 1,4-Naphthoquinone	7.205	158	185716	75.146	ppm		95
69) m-Dinitrobenzene	7.355	168	112313	72.616	ppm	#	65
70) Acenaphthylene	7.419	152	987490	78.314	ppm		100
71) Dimethyl phthalate	7.291	163	612144	66.508	ppm		99
72) 2,6-Dinitrotoluene	7.366	165	147365	70.524	ppm		98
73) Acenaphthene	7.590	153	628126	71.609	ppm		99
74) 3-Nitroaniline	7.547	138	194202	80.847	ppm		93
75) 2,4-Dinitrophenol	7.659	184	63236	78.961	ppm		95
76) Dibenzofuran	7.761	168	775237	71.572	ppm		98
77) 2,4-Dinitrotoluene	7.771	165	197955	71.731	ppm		86
78) 4-Nitrophenol	7.761	65	117678	74.670	ppm	#	1
79) Pentachlorobenzene	7.718	250	221532	76.390	ppm		99
80) 1-Napthylamine	7.846	143	429398	75.278	ppm		100
81) 2-Napthylamine	7.932	143	557400	76.743	ppm		99
82) 2,3,4,6-Tetrachlorophenol	7.894	232	135371	81.850	ppm		92
83) Fluorene	8.097	166	673215	75.593	ppm		99
84) 4-Chlorophenyl-phenyle...	8.092	204	296724	82.586	ppm		93
85) Diethylphthalate	7.980	149	612104	67.152	ppm		98
86) 4-Nitroaniline	8.156	138	196706	83.021	ppm		99
87) 5-Nitro-o-toluidine	8.135	152	217684	80.922	ppm		92
89) Sulfotepp	8.359	322	95612	84.044	ppm		78
90) Octachlorocyclopentene	8.332	307	103119	89.041	ppm		98
92) Thionazin	8.060	107	116437	74.320	ppm		96
93) 4,6-Dinitro-2-methylph...	8.177	198	117983	76.645	ppm		97
94) Diphenylamine	8.220	169	1057849	149.908	ppm		99
95) 1,2 Diphenylhydrazine	8.252	77	669861	75.224	ppm		99
96) N-Nitrosodiphenylamine	8.220	169	1057849	149.908	ppm		99
97) 1,3,5-Trinirobenzene	8.562	74	118505	93.045	ppm		95
98) Diallate	8.487	86	273729	74.551	ppm		96

1st JM 06/24/19
2nd MP 06/24/19

Data Path : I:\ACQUDATA\5973A\DATA\061919\
Data File : DS524.D
Acq On : 19 Jun 2019 2:46 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 19 15:08:13 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jun 19 14:41:05 2019
Response via : Initial Calibration

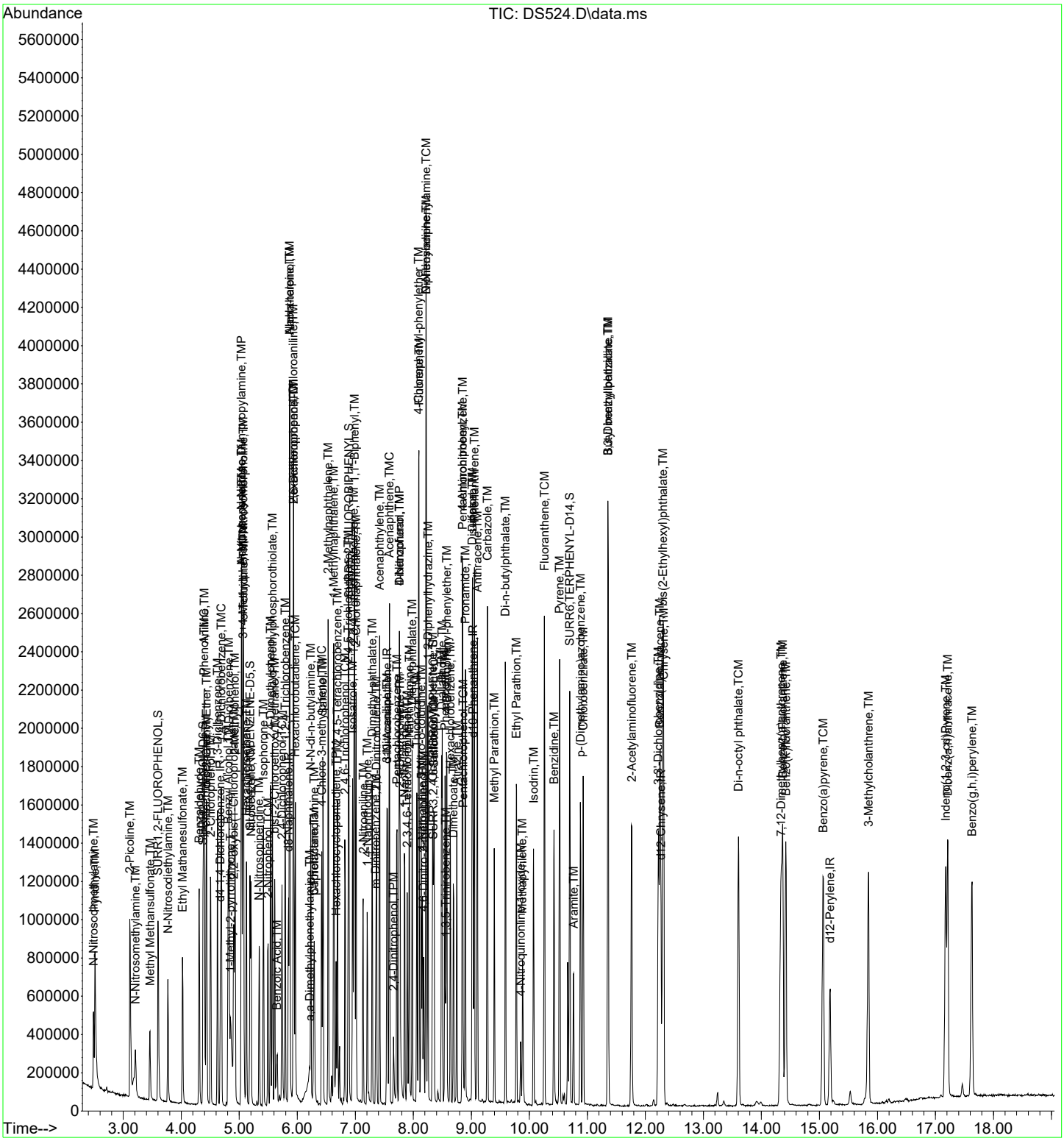
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
99) Phorate	8.498	121	136195	73.731 ppm	96
100) Phenacetin	8.546	108	365826	78.631 ppm	98
101) 4-Bromophenyl-phenylether	8.578	248	170269	81.543 ppm	94
102) Hexachlorobenzene	8.637	284	192192	81.847 ppm	98
103) Dimethoate	8.690	87	229001	75.052 ppm	96
104) Atrazine	8.749	215	79629	69.739 ppm	97
105) Pentachlorophenol	8.856	266	67716	78.641 ppm	93
106) 4-Aminobiphenyl	8.845	169	567703	79.173 ppm	99
107) Pentachloronitrobenzene	8.850	237	66110	76.208 ppm	88
108) Pronamide	8.898	173	333333	81.640 ppm	96
109) Dinoseb	9.021	211	156353	77.171 ppm	97
110) Disulfoton	9.016	88	310840	70.969 ppm	99
111) Phenanthrene	9.053	178	939973	74.430 ppm	99
112) Anthracene	9.107	178	926741	73.854 ppm	98
113) Carbazole	9.278	167	977465	79.301 ppm	100
114) Di-n-butylphthalate	9.587	149	1110087	69.677 ppm	100
115) 4-Nitroquinonline-1-oxide	9.849	190	34979	46.825 ppm	95
116) Fluoranthene	10.260	202	1024749	79.259 ppm	98
118) Methyl Parathion	9.395	109	212562	71.216 ppm	96
119) Ethyl Parathion	9.774	97	167803	75.248 ppm	98
120) Methapyrilene	9.881	58	229837	70.849 ppm	99
121) Isodrin	10.073	193	92252	67.019 ppm	91
122) Benzidine	10.426	184	584962	66.218 ppm	98
123) Pyrene	10.522	202	1042022	75.373 ppm	99
125) Aramite	10.762	185	137725m	72.678 ppm	
126) p-(Dimethylamino)azobe...	10.880	120	311705	75.895 ppm	97
127) Chlorobenzilate	10.928	139	364470	75.962 ppm	99
128) Butyl benzyl phthalate	11.355	149	504389	65.766 ppm	98
129) 3,3-Dimethylbenzidine	11.355	212	606058	72.073 ppm	99
130) 2-Acetylaminofluorene	11.767	181	478711	78.158 ppm	97
131) 3,3'-Dichlorobenzidine	12.226	252	372551	74.396 ppm	98
132) Benzo(a)anthracene	12.247	228	963707	75.386 ppm	99
133) Chrysene	12.317	228	923802	78.552 ppm	99
134) bis(2-Ethylhexyl)phtha...	12.301	149	691437	65.515 ppm	99
136) Di-n-octyl phthalate	13.604	149	1197739	64.330 ppm	100
137) 7,12-Dimethylbenz(a)an...	14.336	256	471169	79.444 ppm	98
138) Benzo(b)Fluoranthene	14.368	252	979294	75.010 ppm	98
139) Benzo(k)fluoranthene	14.421	252	887174	71.748 ppm	99
140) Benzo(a)pyrene	15.067	252	868013	77.310 ppm	96
141) 3-Methylcholanthrene	15.847	268	504014	76.647 ppm	97
142) Indeno(1,2,3-cd)Pyrene	17.177	276	820383	74.507 ppm	91
143) Dibenz(a,h)anthracene	17.214	278	838991	72.723 ppm	96
144) Benzo(g,h,i)perylene	17.631	276	784039	82.619 ppm	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\061919\
Data File : DS524.D
Acq On : 19 Jun 2019 2:46 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 3 Sample Multiplier: 1

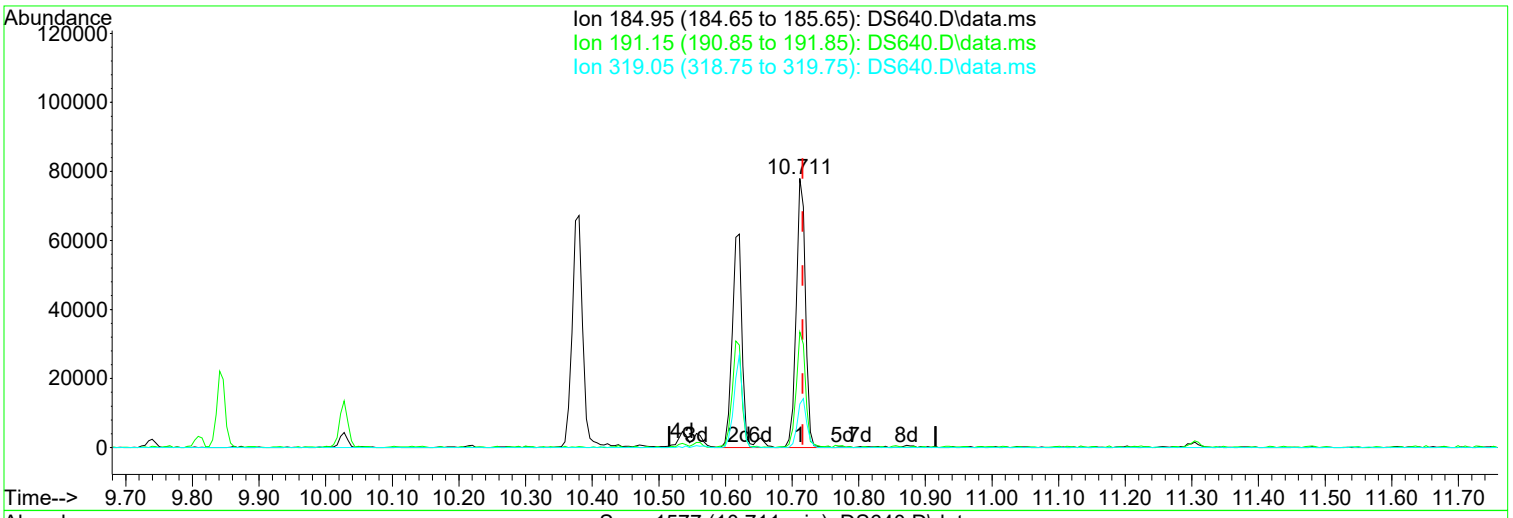
Quant Time: Jun 19 15:08:13 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jun 19 14:41:05 2019
Response via : Initial Calibration

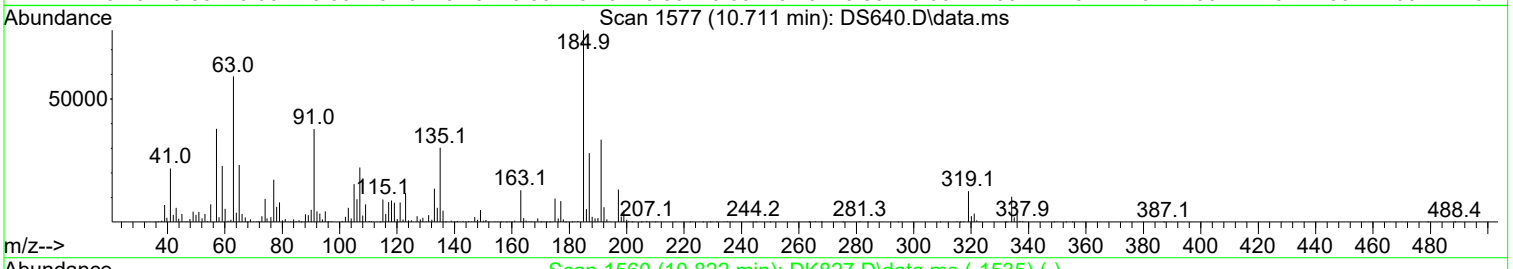


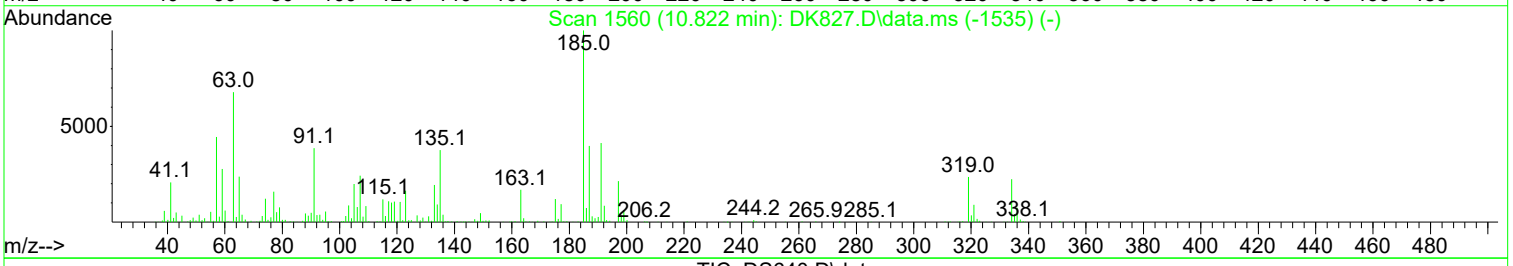
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\062419\
Data File : DS640.D
Acq On : 24 Jun 2019 4:34 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 26 10:37:41 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jun 26 10:37:31 2019
Response via : Initial Calibration







TIC: DS640.D\data.ms

(125) Aramite (TM)

10.711min (-0.005) 81.65 ppm m

response 141347

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.10	42.92
319.05	14.30	16.12
0.00	0.00	0.00

Manual Integration:

After

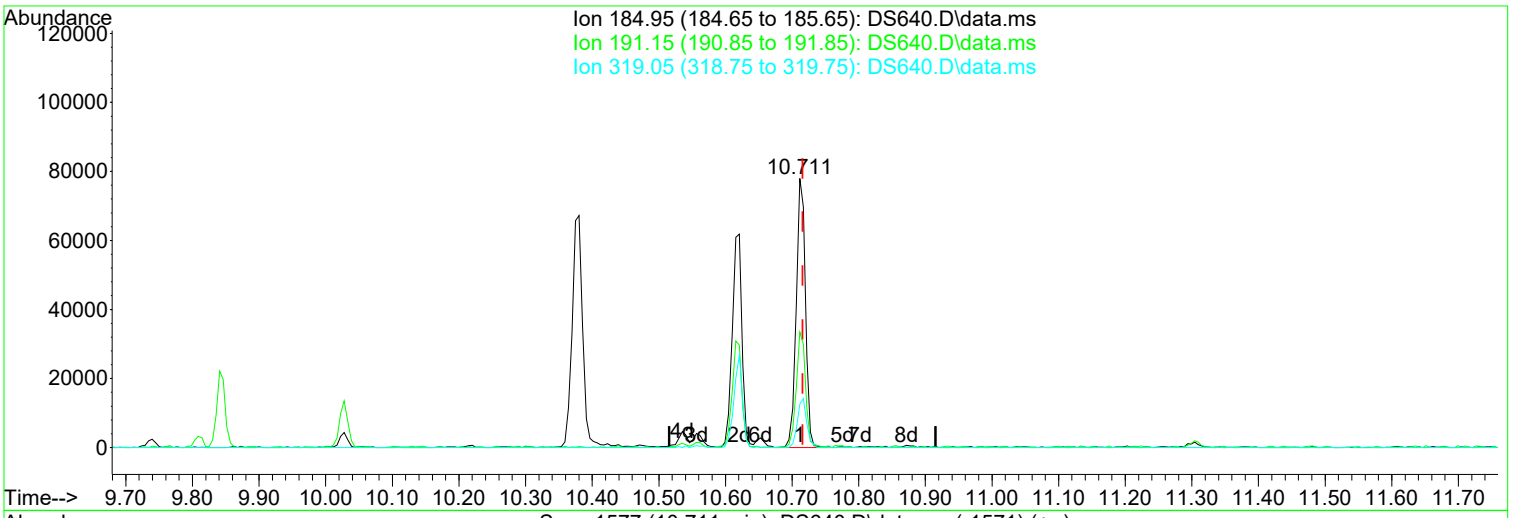
Split Peak.

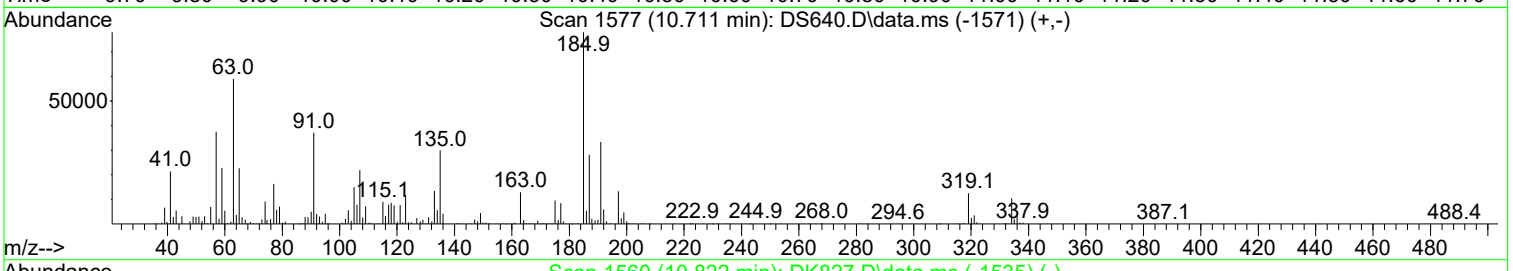
06/26/19

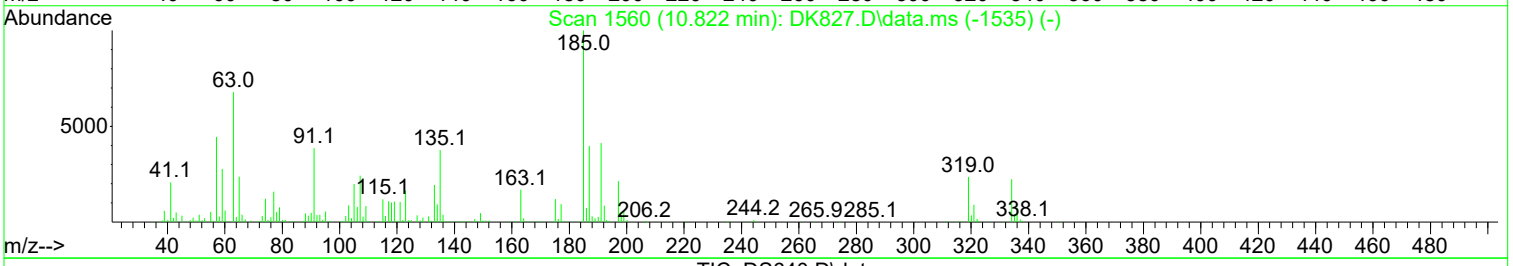
1st DM 06/26/19
2nd BA 06/26/19

Data Path : I:\ACQUDATA\5973A\DATA\062419\
Data File : DS640.D
Acq On : 24 Jun 2019 4:34 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 26 10:37:41 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jun 26 10:37:31 2019
Response via : Initial Calibration







TIC: DS640.D\data.ms

(125) Aramite (TM)

10.711min (-0.005) 43.62 ppm

response 75505

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.10	42.80
319.05	14.30	16.12
0.00	0.00	0.00

Manual Integration:

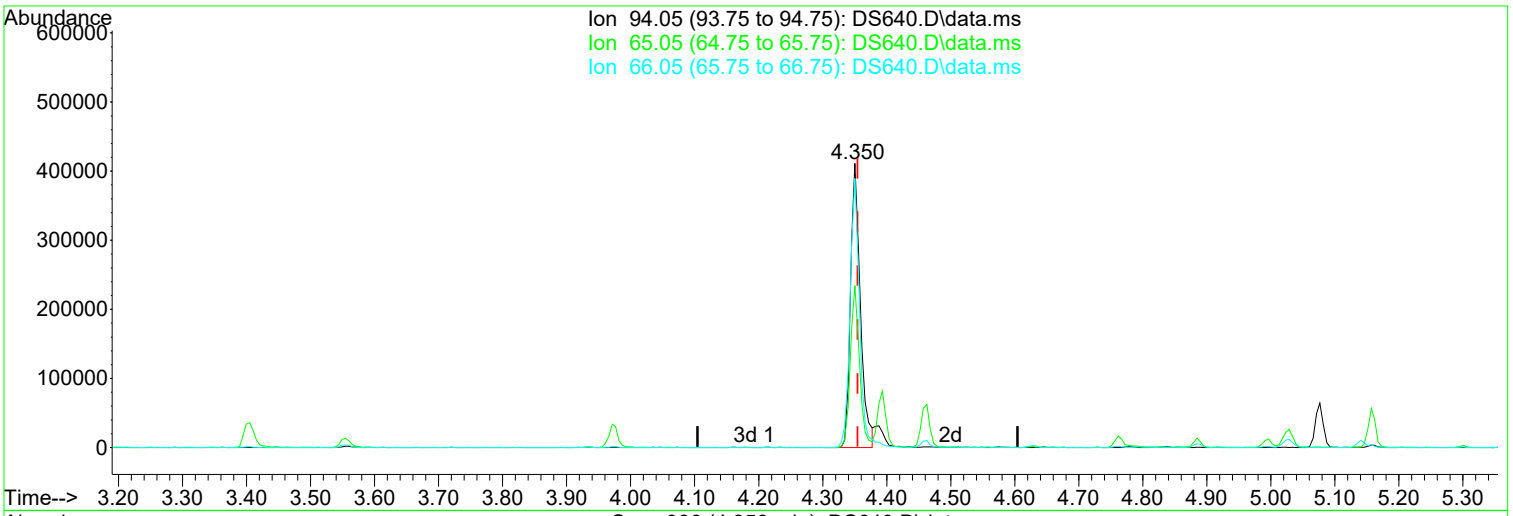
Before

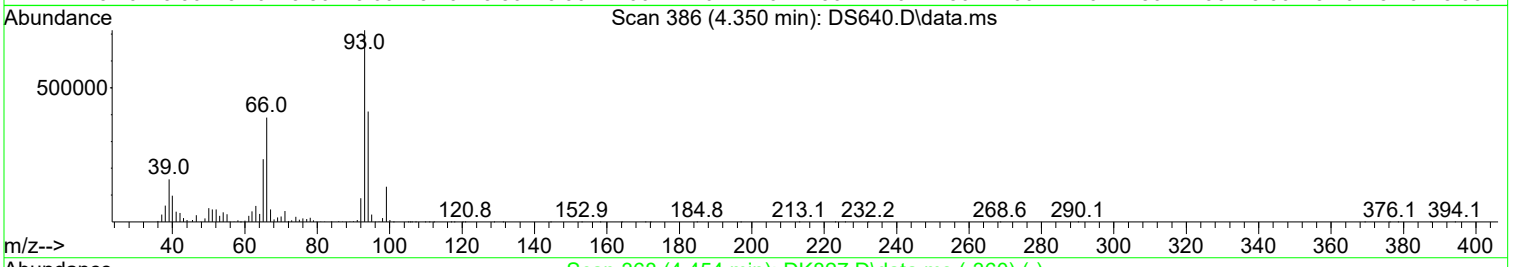
06/26/19

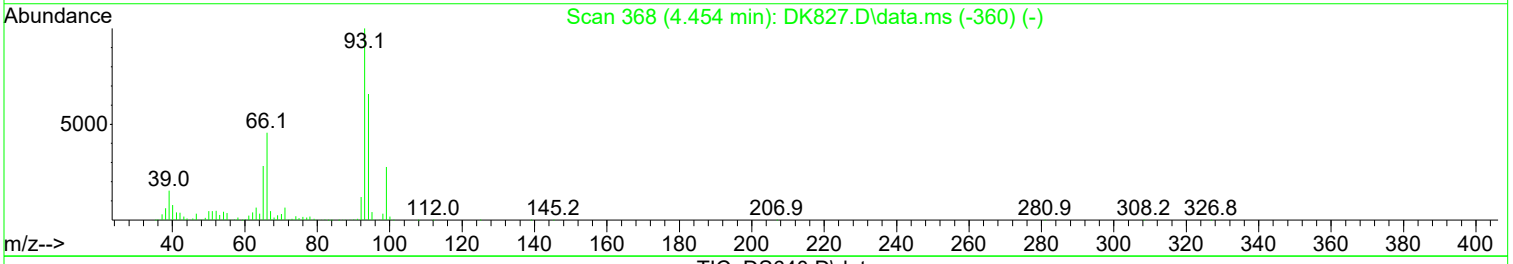
1st DM 06/26/19
2nd BA 06/26/19

Data Path : I:\ACQUDATA\5973A\DATA\062419\
Data File : DS640.D
Acq On : 24 Jun 2019 4:34 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 26 10:37:41 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jun 26 10:37:31 2019
Response via : Initial Calibration







TIC: DS640.D\data.ms

(13) Phenol (TMC)

4.350min (-0.005) 72.87 ppm m

response 441038

Ion	Exp%	Act%
94.05	100.00	100.00
65.05	27.10	57.00
66.05	34.10	94.69#
0.00	0.00	0.00

Manual Integration:

After

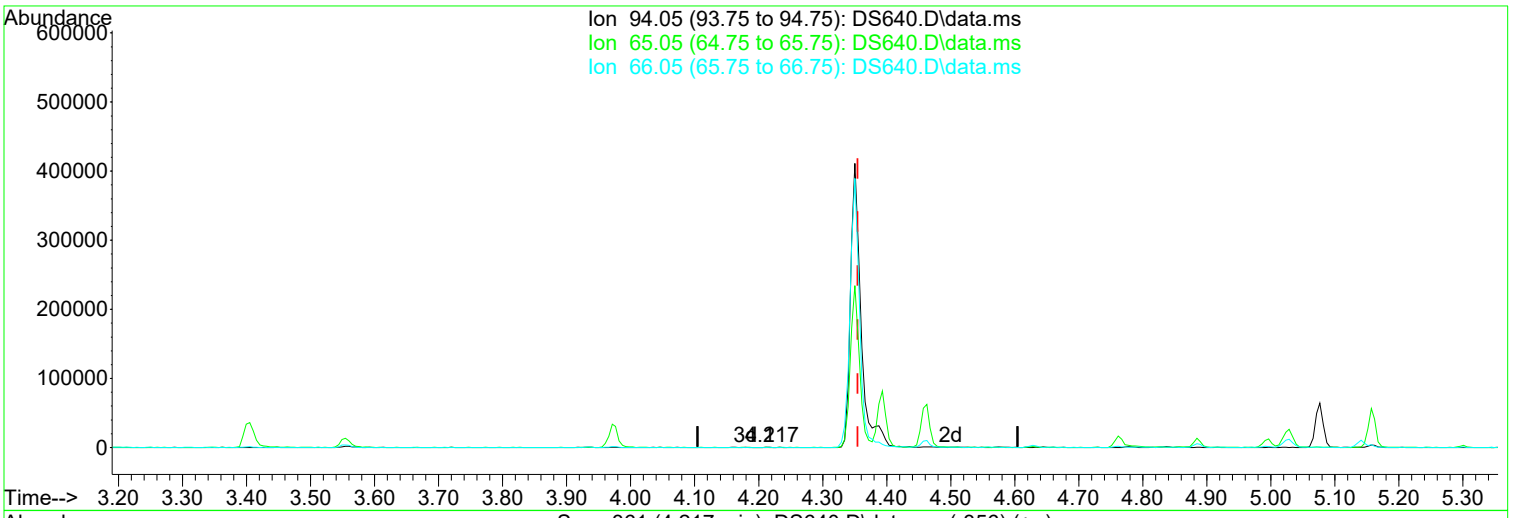
Poor integration.

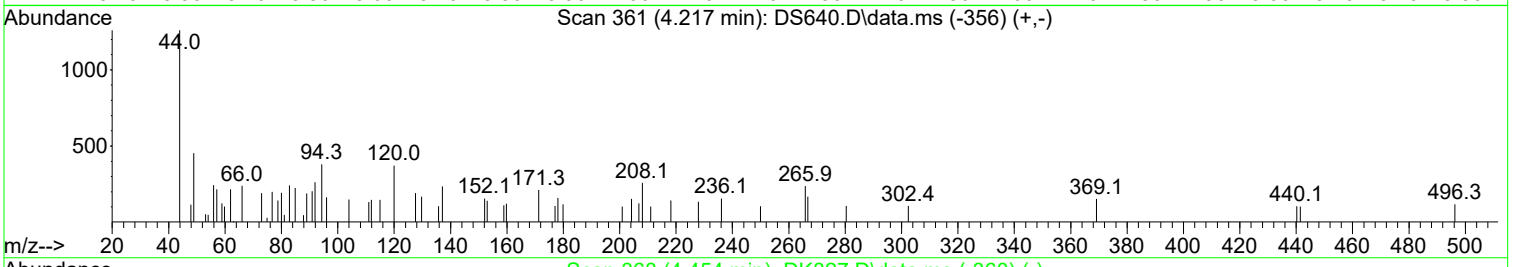
06/26/19

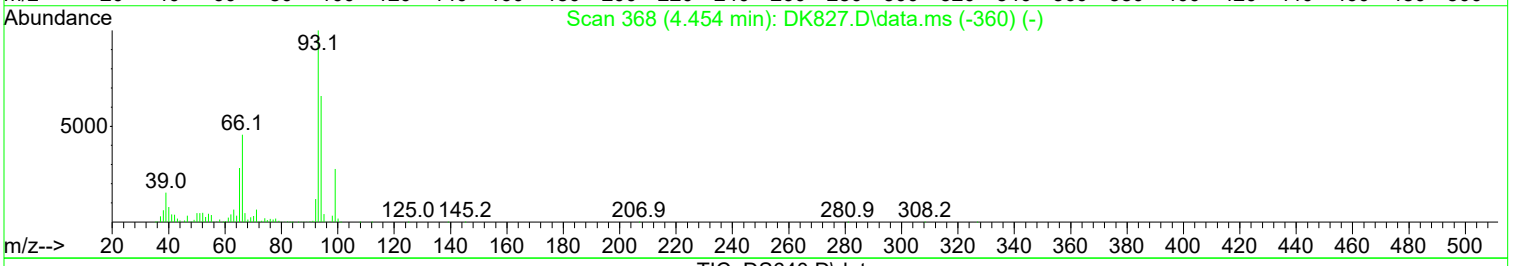
1st DM 06/26/19
2nd BA 06/26/19

Data Path : I:\ACQUDATA\5973A\DATA\062419\
Data File : DS640.D
Acq On : 24 Jun 2019 4:34 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 26 10:37:41 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jun 26 10:37:31 2019
Response via : Initial Calibration







TIC: DS640.D\data.ms

(13) Phenol (TMC)

4.217min (-0.138) 0.09 ppm

response 559

Ion	Exp%	Act%
94.05	100.00	100.00
65.05	27.10	0.00
66.05	34.10	37.53
0.00	0.00	0.00

Manual Integration:

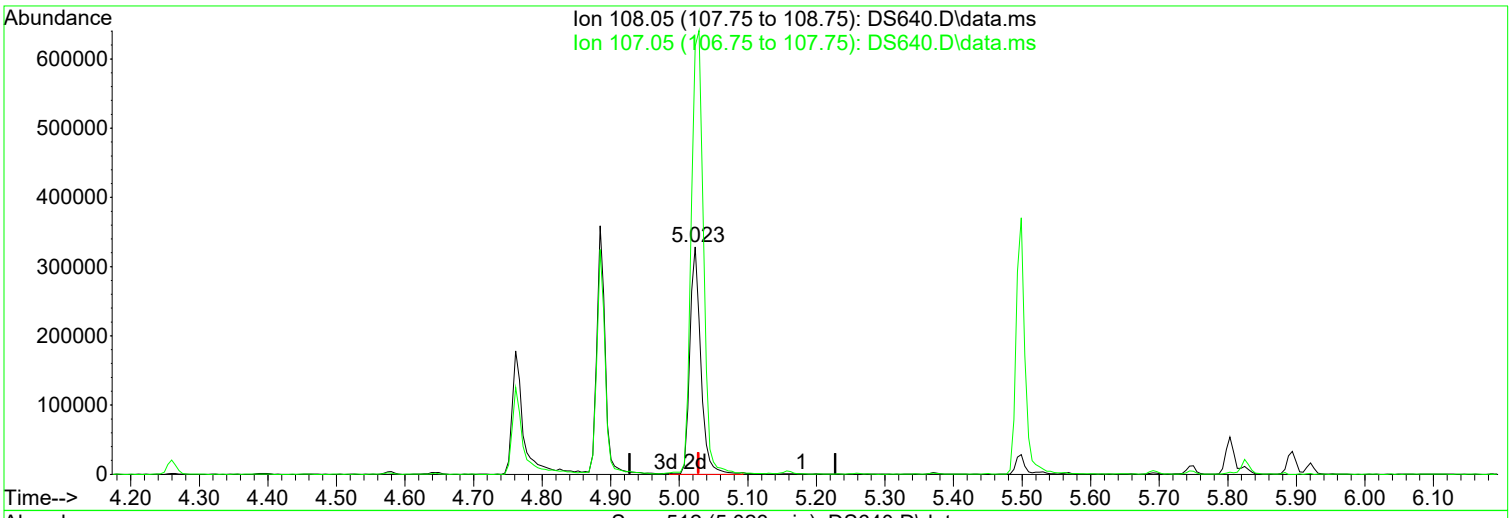
Before

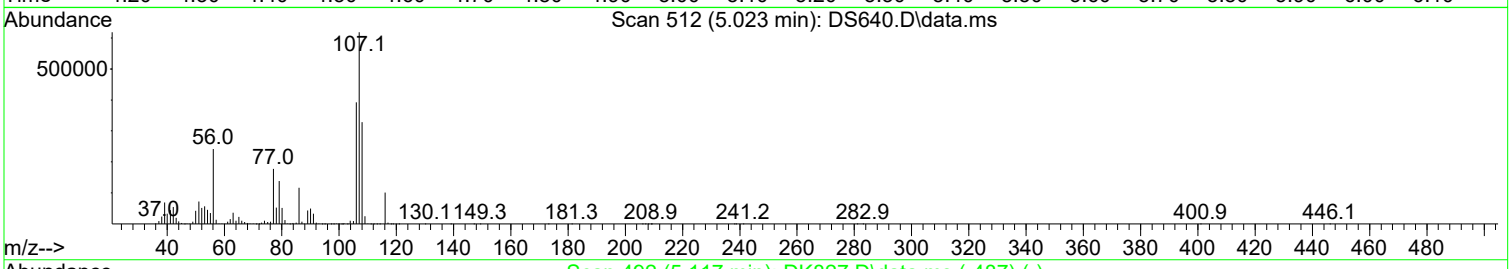
06/26/19

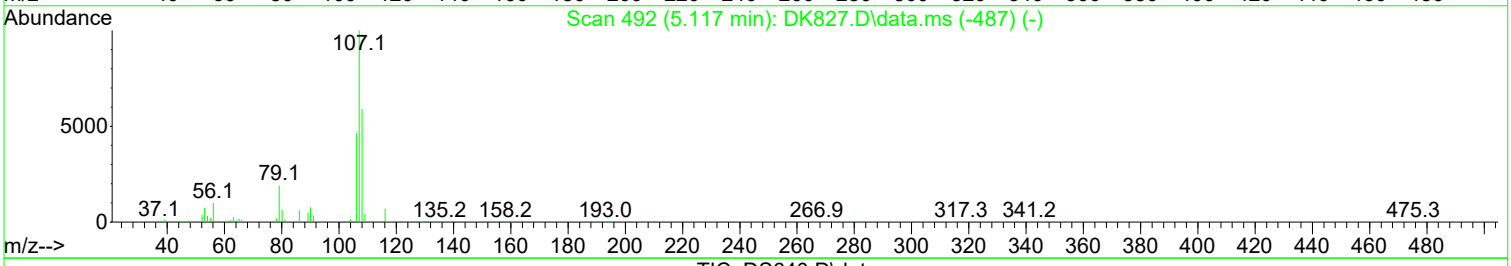
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\062419\
Data File : DS640.D
Acq On : 24 Jun 2019 4:34 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 26 10:37:41 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jun 26 10:37:31 2019
Response via : Initial Calibration







TIC: DS640.D\data.ms

(24) 3+4-Methylphenol (TM)

5.023min (-0.005) 75.12 ppm m

response 362578

Ion	Exp%	Act%
108.05	100.00	100.00
107.05	114.10	188.21#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

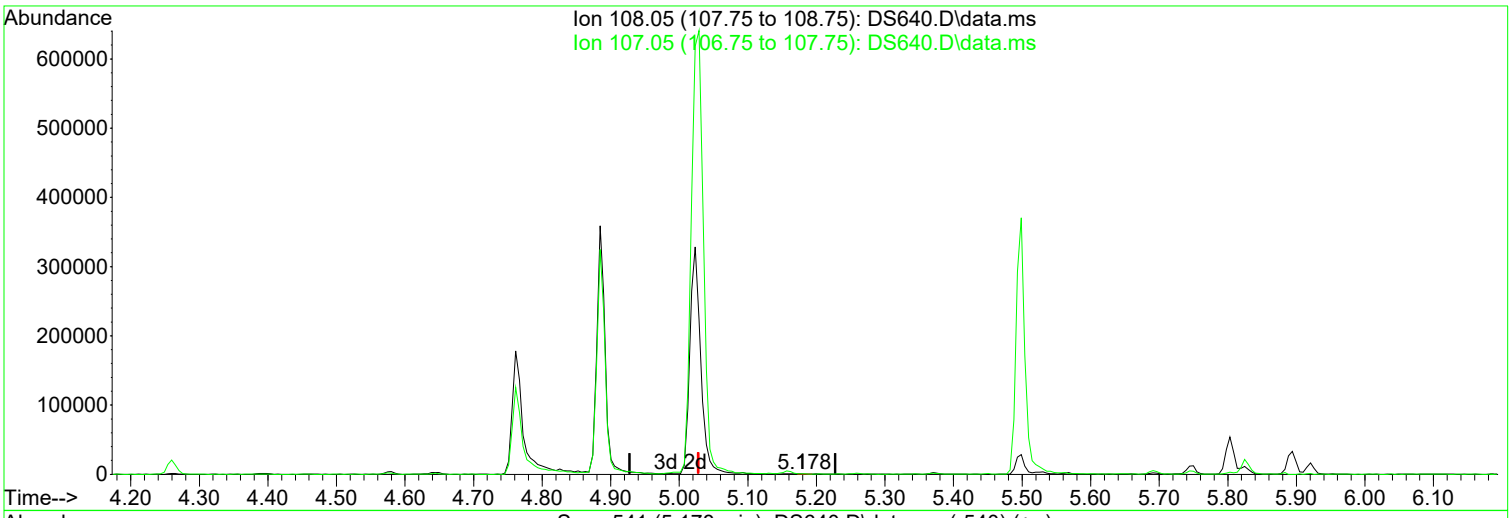
Peak not found.

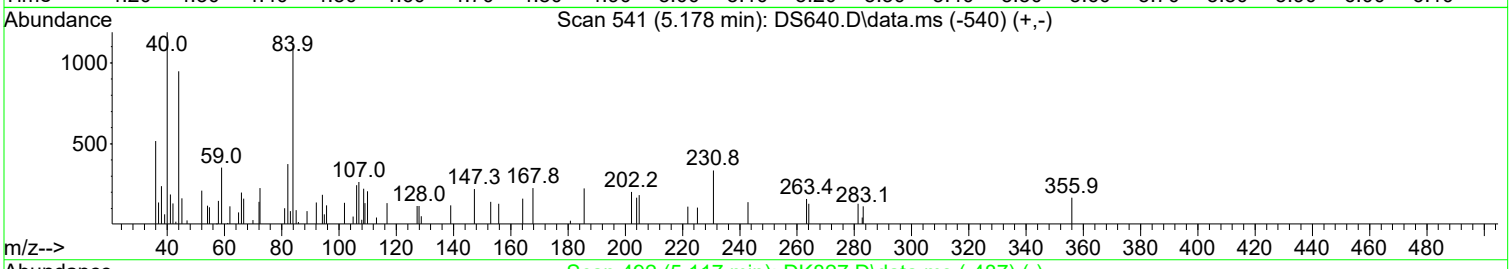
06/26/19

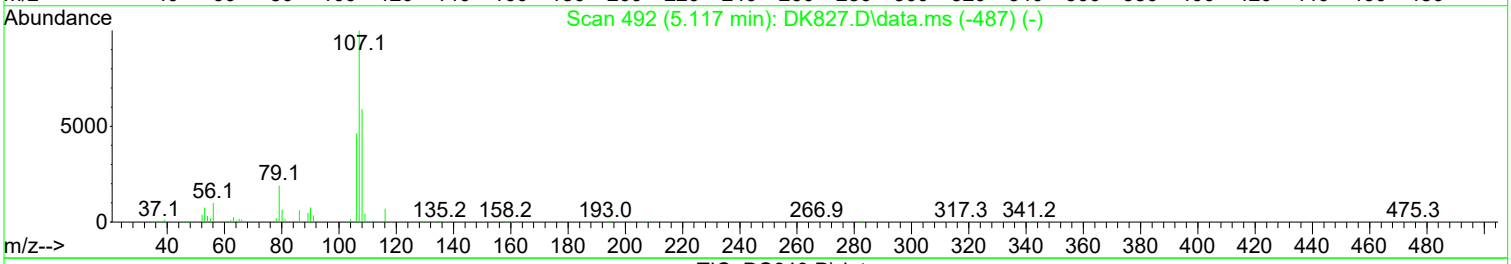
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\062419\
Data File : DS640.D
Acq On : 24 Jun 2019 4:34 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 26 10:37:41 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jun 26 10:37:31 2019
Response via : Initial Calibration







TIC: DS640.D\data.ms

(24) 3+4-Methylphenol (TM)

5.178min (+ 0.150) 0.03 ppm

response 139

Ion	Exp%	Act%
108.05	100.00	100.00
107.05	114.10	104.77
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

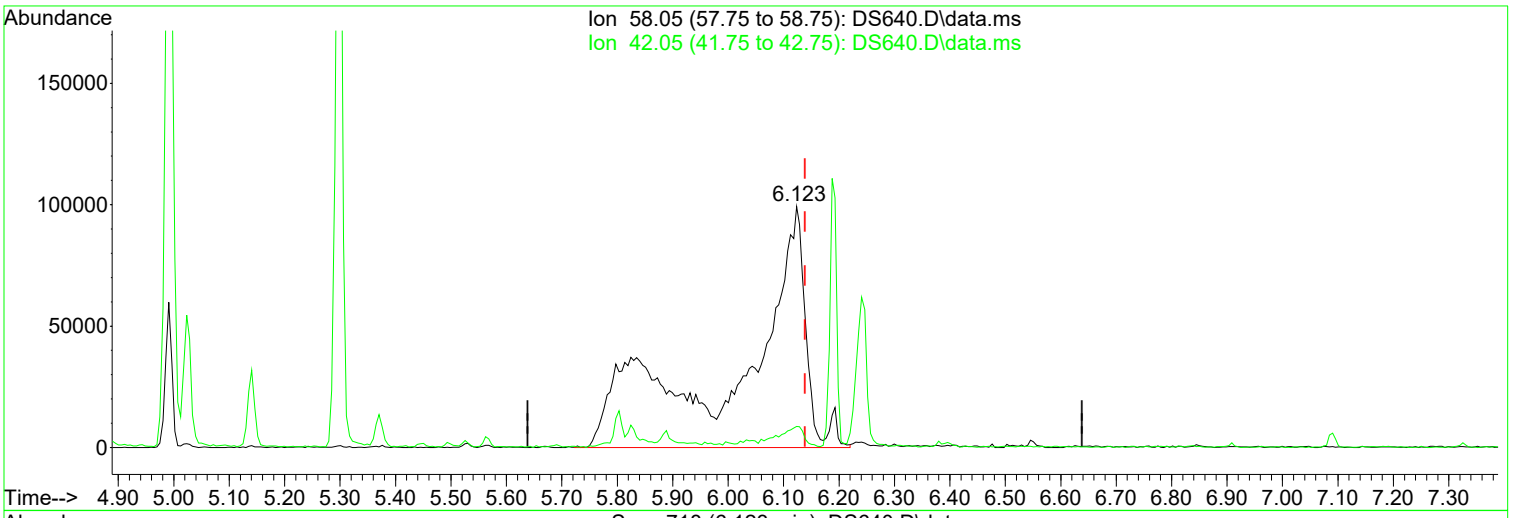
Before

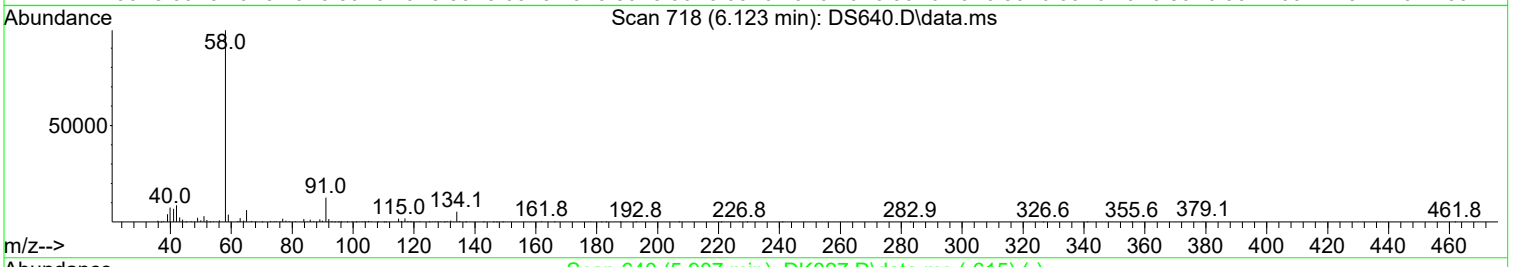
06/26/19

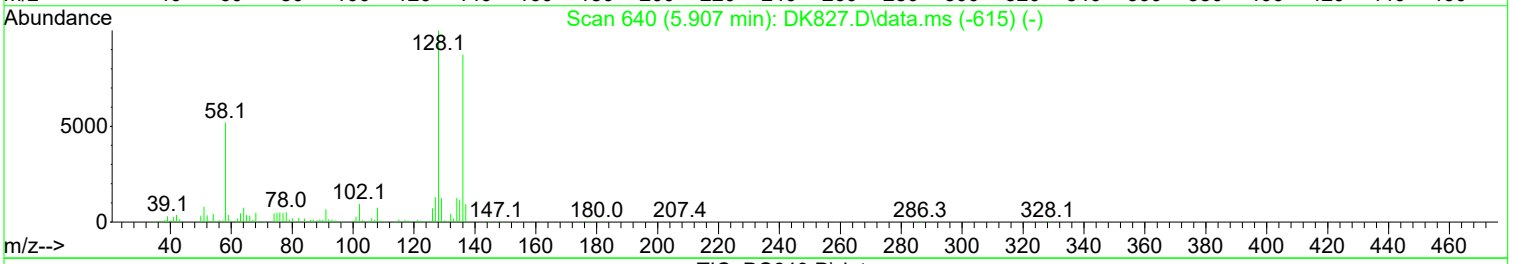
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\062419\
Data File : DS640.D
Acq On : 24 Jun 2019 4:34 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 26 10:37:41 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jun 26 10:37:31 2019
Response via : Initial Calibration







TIC: DS640.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

6.123min (-0.015) 92.61 ppm m

response 805459

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	7.40	8.76
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

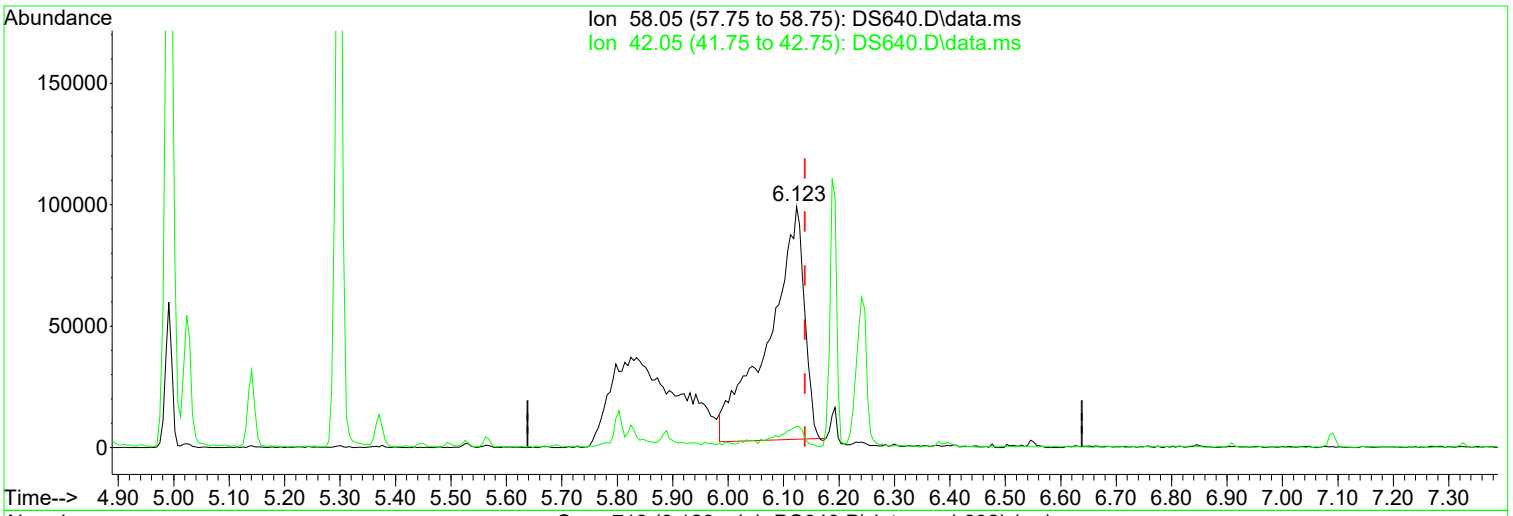
Poor integration.

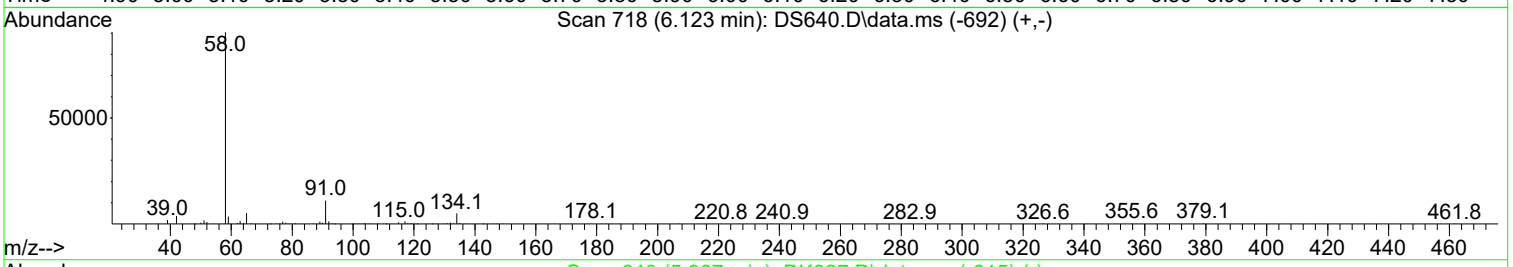
06/26/19

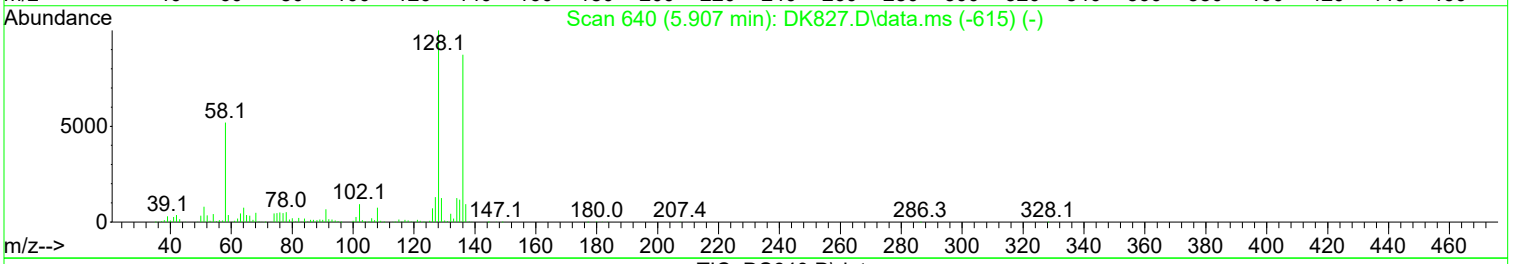
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\062419\
Data File : DS640.D
Acq On : 24 Jun 2019 4:34 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 26 10:37:41 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jun 26 10:37:31 2019
Response via : Initial Calibration







TIC: DS640.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

6.123min (-0.015) 49.19 ppm

response 427816

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	7.40	4.19
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

06/26/19

1st DM 06/26/19
2nd BA 06/26/19

Data Path : I:\ACQUDATA\5973A\DATA\062419\
Data File : DS640.D
Acq On : 24 Jun 2019 4:34 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 26 10:37:41 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jun 26 10:37:31 2019
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%D	%Dev	Area%	Dev(min)
1	IR	d4-1,4-Dichlorobenzene	1.000	1.000		0.0	111	-0.10
2	TM	Pyridine	1.563	1.671		-6.9	110	-0.19
3	TM	N-Nitrosodimethylamine	0.934	1.047		-12.1	118	-0.18
4	TM	2-Picoline	1.589	1.630		-2.6	112	-0.15
5	TM	N-Nitrosomethylamine	0.643	0.761		-18.4	134	-0.13
6	TM	Methyl Methansulfonate	0.724	0.621		14.2	94	-0.12
7	S	SURR1,2-FLUOROPHENOL	1.455	1.517		-4.3	114	-0.11
8	TM	N-Nitrosodiethylamine	0.709	0.647		8.7	100	-0.11
9	TM	Ethyl Mathanesulfonate	1.223	1.238		-1.2	116	-0.11
10	TM	Benzaldehyde	1.023	1.037		-1.4	117	-0.10
11	TM	Aniline	2.281	2.602		-14.1	125	-0.10
12	S	SURR2,PHENOL-D6	1.787	1.933		-8.2	117	-0.09
13	TMC	Phenol	1.955	1.781		8.9	100	-0.09
14	TM	bis(2-Clethyl)Ether	1.353	1.291		4.6	109	-0.10
15	TM	Pentachloroethane	0.545	0.517		5.1	105	-0.11
16	TM	2-Chlorophenol	1.536	1.387		9.7	99	-0.10
17	TM	1,3-Diclbenzene	1.598	1.572		1.6	109	-0.10
18	TMC	1,4-Dichlorobenzene	1.635	1.612		1.4	109	-0.10
19	TM	1,2-Diclbenzene	1.563	1.546		1.1	111	-0.11
20	TM	Benzyl Alcohol	1.040	1.002		3.7	106	-0.10
21	T	1-Methyl-2-pyrrolidinone	0.950	1.033		-8.7	117	-0.10
22	TM	2,2'-oxybis(1-Chloropropane	1.300	1.656		-27.4#	143	-0.10
23	TM	2-Methylphenol	1.378	1.216		11.8	101	-0.08
24	TM	3+4-Methylphenol	1.559	1.464		6.1	105	-0.08
25	TM	Acetophenone	1.936	2.079		-7.4	123	-0.10
26	TMP	N-Nitroso-Di-n-propylamine	1.044	1.131		-8.3	126	-0.09
27	TM	N-Nitrosopyrrolidine	0.759	0.805		-6.1	119	-0.09
28	TM	N-Nitrosomorpholine	0.747	0.819		-9.6	129	-0.09
29	TM	o-Toluidine	2.150	2.385		-10.9	127	-0.10
30	TM	Hexachloroethane	0.629	0.631		-0.3	114	-0.11
31	TM	o,o,o-Triethylphosphorothio	0.656	0.770		-17.4	133	-0.10
32	TM	Alpha-terpinol	0.511	0.562		-10.0	126	-0.10
33	IR	d8-Naphthalene	1.000	1.000		0.0	112	-0.10
34	S	SURR4,NITROBENZENE-D5	0.406	0.448		-10.3	125	-0.10
35	TM	Nitrobenzene	0.408	0.373		8.6	104	-0.10
36	TM	N-Nitrosopiperidine	0.222	0.268		-20.7#	136	-0.09
37	TM	Isophorone	0.680	0.648		4.7	106	-0.10
38	TCM	2-Nitrophenol	0.211	0.205		2.8	105	-0.10
39	TM	2,4-Dimethylphenol	0.380	0.367		3.4	104	-0.09
40	TM	bis(-2-Chloroethoxy)Methane	0.400	0.418		-4.5	115	-0.10
41	TM	Benzoic Acid	0.144	0.017	70.9	~~88.2#~~	12#	-0.09 NT
42	TCM	2,4-Dichlorophenol	0.301	0.296		1.7	105	-0.10
43	TM	a,a-Dimethylphenethylamine	0.759	0.878		-15.7	122	0.20
44	TM	1,2,4-Trichlorobenzene	0.317	0.333		-5.0	115	-0.10
45	TM	Naphthalene	1.102	1.131		-2.6	115	-0.10
46	TM	4-Chloroaniline	0.461	0.448		2.8	107	-0.10
47	TM	2,6-Dichlorophenol	0.315	0.312		1.0	110	-0.10
48	TCM	Hexachlorobutadiene	0.161	0.177		-9.9	124	-0.11
49	TM	Hexachloropropene	0.201	0.204		-1.5	111	-0.10
50	TMC	4-Chloro-3-methylphenol	0.300	0.288		4.0	104	-0.09
51	TM	N-N-di-n-butylamine	0.238	0.263		-10.5	124	-0.09

1st DM 06/26/19
2nd BA 06/26/19

Data Path : I:\ACQUDATA\5973A\DATA\062419\
Data File : DS640.D
Acq On : 24 Jun 2019 4:34 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 26 10:37:41 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jun 26 10:37:31 2019
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%D	%Dev	Area%	Dev(min)
52	TM	Caprolactam	0.119	0.124		-4.2	121	-0.08
53	TM	p-Phenylenediamine	0.077	0.060		22.1#	81	-0.09
54	TM	Safrole	0.283	0.275		2.8	107	-0.10
55	TM	2-Methylnaphthalene	0.713	0.722		-1.3	112	-0.10
56	TM	1-Methylnaphthalene	0.668	0.702		-5.1	119	-0.10
57	IR	d10-Acenaphthene	1.000	1.000		0.0	110	-0.10
58	TPM	Hexachlorocyclopentadiene	0.240	0.207	22.0	~~13.8~~	79	-0.10
59	TM	1,2,4,5-Tetrachlorobenzene	0.589	0.602		-2.2	114	-0.10
60	TM	1,2,3,4-Tetrachlorobenzene	0.620	0.741		-19.5	133	-0.10
61	TCM	2,4,6-Trichlorophenol	0.373	0.385		-3.2	111	-0.10
62	TM	2,4,5-Trichlorophenol	0.401	0.405		-1.0	108	-0.09
63	S	SURR5,2-FLUOROBIPHENYL	1.521	1.739		-14.3	128	-0.10
64	TM	Isosafrole	0.257	0.296		-15.2	130	-0.10
65	TM	1,1'-Biphenyl	1.772	2.007		-13.3	126	-0.10
66	TM	2-Chloronaphthalene	1.281	1.293		-0.9	113	-0.10
67	TM	2-Nitroaniline	0.366	0.431		-17.8	137	-0.09
68	TM	1,4-Naphthoquinone	0.402	0.394		2.0	103	-0.10
69	TM	m-Dinitrobenzene	0.252	0.237		6.0	105	-0.08
70	TM	Acenaphthylene	2.051	2.143		-4.5	117	-0.10
71	TM	Dimethyl phthalate	1.497	1.311		12.4	103	-0.10
72	TM	2,6-Dinitrotoluene	0.340	0.305		10.3	103	-0.09
73	TMC	Acenaphthene	1.427	1.371		3.9	107	-0.10
74	TM	3-Nitroaniline	0.391	0.445		-13.8	126	-0.09
75	TPM	2,4-Dinitrophenol	0.117	0.094	22.2	~~19.7~~	78	-0.09
76	TM	Dibenzofuran	1.762	1.690		4.1	106	-0.10
77	TM	2,4-Dinitrotoluene	0.449	0.426		5.1	104	-0.09
78	TMP	4-Nitrophenol	0.256	0.243		5.1	99	-0.08
79	TM	Pentachlorobenzene	0.472	0.489		-3.6	115	-0.10
80	TM	1-Napthylamine	0.928	0.959		-3.3	119	-0.10
81	TM	2-Napthylamine	1.182	1.310		-10.8	127	-0.10
82	TM	2,3,4,6-Tetrachlorophenol	0.269	0.250		7.1	97	-0.10
83	TM	Fluorene	1.449	1.416		2.3	113	-0.10
84	TM	4-Chlorophenyl-phenylether	0.585	0.606		-3.6	117	-0.10
85	TM	Diethylphthalate	1.483	1.334		10.0	102	-0.10
86	TM	4-Nitroaniline	0.385	0.435		-13.0	119	-0.09
87	TM	5-Nitro-o-toluidine	0.438	0.504		-15.1	125	-0.09
88	S	SURR3,2,4,6-TRIBROMOPHENOL	0.164	0.228		-39.0#	155	-0.10
89	TM	Sulfotepp	0.185	0.207		-11.9	126	-0.10
90	TM	Octachlorocyclopentene	0.188	0.225		-19.7	128	-0.11
91	IR	d10-Phenanthrene	1.000	1.000		0.0	113	-0.10
92	TM	Thionazin	0.157	0.169		-7.6	128	-0.10
93	TM	4,6-Dinitro-2-methylphenol	0.154	0.136		11.7	98	-0.08
94	TM	Diphenylamine	0.707	0.769		-8.8	127	-0.09
95	TM	1,2 Diphenylhydrazine	0.892	0.973		-9.1	132	-0.09
96	TCM	N-Nitrosodiphenylamine	0.707	0.769		-8.8	127	-0.09
97	TM	1,3,5-Trinirobenzene	0.128	0.149		-16.4	130	-0.06
98	TM	Diallate	0.368	0.380		-3.3	130	-0.10
99	TM	Phorate	0.185	0.193		-4.3	125	-0.10
100	TM	Phenacetin	0.466	0.509		-9.2	124	-0.09
101	TM	4-Bromophenyl-phenylether	0.209	0.228		-9.1	129	-0.10

1st DM 06/26/19
2nd BA 06/26/19

Data Path : I:\ACQUDATA\5973A\DATA\062419\
Data File : DS640.D
Acq On : 24 Jun 2019 4:34 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 26 10:37:41 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jun 26 10:37:31 2019
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%D	%Dev	Area%	Dev(min)	
102	TM	Hexachlorobenzene	0.235	0.259		-10.2	134	-0.10	
103	TM	Dimethoate	0.306	0.285		6.9	110	-0.09	
104	TM	Atrazine	0.114	0.096		15.8	97	-0.09	
105	TCM	Pentachlorophenol	0.077	0.050	36.2	~~35.1#~~	64	-0.09	
106	TM	4-Aminobiphenyl	0.718	0.814		-13.4	127	-0.10	
107	TM	Pentachloronitrobenzene	0.087	0.092		-5.7	117	-0.09	
108	TM	Pronamide	0.409	0.475		-16.1	126	-0.09	
109	TM	Dinoseb	0.203	0.174		14.3	93	-0.09	
110	TM	Disulfoton	0.439	0.436		0.7	118	-0.10	
111	TM	Phenanthrene	1.265	1.259		0.5	116	-0.10	
112	TM	Anthracene	1.257	1.230		2.1	113	-0.10	
113	TM	Carbazole	1.235	1.359		-10.0	124	-0.09	
114	TM	Di-n-butylphthalate	1.596	1.450		9.1	104	-0.10	
115	TM	4-Nitroquinonline-1-oxide	0.075	0.034		54.7#	50#	-0.09	NT
116	TCM	Fluoranthene	1.295	1.346		-3.9	116	-0.11	
117	IR	d12-Chrysene	1.000	1.000		0.0	121	-0.14	
118	TM	Methyl Parathion	0.317	0.281		11.4	105	-0.10	
119	TM	Ethyl Parathion	0.237	0.243		-2.5	124	-0.10	
120	TM	Methapyrilene	0.345	0.262		24.1#	92	-0.11	
121	TM	Isodrin	0.146	0.130		11.0	108	-0.11	
122	TM	Benzidine	0.939	0.767		18.3	94	-0.11	
123	TM	Pyrene	1.469	1.438		2.1	114	-0.11	
124	S	SURR6,TERPHENYL-D14	0.942	1.055		-12.0	133	-0.12	
125	TM	Aramite	0.201	0.205		-2.0	121	-0.12	
126	TM	p-(Dimethylamino)azobenzene	0.436	0.425		2.5	109	-0.12	
127	TM	Chlorobenzilate	0.510	0.542		-6.3	123	-0.13	
128	TM	Butyl benzyl phthalate	0.815	0.691		15.2	101	-0.14	
129	TM	3,3-Dimethylbenzidine	0.893	0.800		10.4	104	-0.13	
130	TM	2-Acetylaminofluorene	0.651	0.691		-6.1	123	-0.12	
131	TM	3,3'-Dichlorobenzidine	0.532	0.504		5.3	113	-0.15	
132	TM	Benzo(a)anthracene	1.358	1.311		3.5	117	-0.14	
133	TM	Chrysene	1.250	1.255		-0.4	121	-0.15	
134	TM	bis(2-Ethylhexyl)phthalate	1.121	0.943		15.9	100	-0.16	
135	IR	d12-Perylene	1.000	1.000		0.0	119	-0.18	
136	TCM	Di-n-octyl phthalate	1.898	1.631		14.1	101	-0.18	
137	TM	7,12-Dimethylbenz(a)anthrac	0.605	0.703		-16.2	134	-0.17	
138	TM	Benzo(b)Fluoranthene	1.331	1.361		-2.3	120	-0.16	
139	TM	Benzo(k)fluoranthene	1.261	1.211		4.0	111	-0.17	
140	TCM	Benzo(a)pyrene	1.145	1.183		-3.3	121	-0.17	
141	TM	3-Methylcholanthrene	0.670	0.783		-16.9	136	-0.16	
142	TM	Indeno(1,2,3-cd)Pyrene	1.123	1.266		-12.7	135	-0.13	
143	TM	Dibenz(a,h)anthracene	1.176	1.238		-5.3	124	-0.14	
144	TM	Benzo(g,h,i)perylene	0.968	1.231		-27.2#	152	-0.14	

(#) = Out of Range SPCC's out = 0 CCC's out = 1

1st DM 06/26/19
2nd BA 06/26/19

Data Path : I:\ACQUDATA\5973A\DATA\062419\
Data File : DS640.D
Acq On : 24 Jun 2019 4:34 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 26 10:37:41 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jun 26 10:37:31 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.628	152	123834	40.00	ppm		0.00
33) d8-Naphthalene	5.803	136	458663	40.00	ppm		0.00
57) d10-Acenaphthene	7.512	164	224916	40.00	ppm		0.00
91) d10-Phenanthrene	8.986	188	361452	40.00	ppm		0.00
117) d12-Chrysene	12.212	240	343921	40.00	ppm		0.00
135) d12-Perylene	15.118	264	338667	40.00	ppm		0.00
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.554	112	375631	83.40	ppm		0.00
Spiked Amount 100.000	Range 10 - 70		Recovery = 83.40%#				
12) SURR2,PHENOL-D6	4.340	99	478831	86.53	ppm		0.00
Spiked Amount 100.000	Range 10 - 107		Recovery = 86.53%				
34) SURR4,NITROBENZENE-D5	5.141	82	411290	88.37	ppm		0.00
Spiked Amount 50.000	Range 31 - 110		Recovery = 176.74%#				
63) SURR5,2-FLUOROBIPHENYL	6.845	172	782336	91.47	ppm		0.00
Spiked Amount 50.000	Range 31 - 118		Recovery = 182.94%#				
88) SURR3,2,4,6-TRIBROMOPH...	8.303	330	102417	111.20	ppm		0.00
Spiked Amount 100.000	Range 35 - 141		Recovery = 111.20%				
124) SURR6,TERPHENYL-D14	10.653	244	725383	89.53	ppm		0.00
Spiked Amount 50.000	Range 10 - 165		Recovery = 179.06%#				
Target Compounds							Qvalue
2) Pyridine	2.438	79	413906	85.563	ppm		95
3) N-Nitrosodimethylamine	2.411	74	259213	89.664	ppm		95
4) 2-Picoline	3.052	93	403807	82.103	ppm		96
5) N-Nitrosomethylamine	3.149	42	188398	94.694	ppm		88
6) Methyl Methansulfonate	3.405	80	153779	68.636	ppm		92
8) N-Nitrosodiethylamine	3.720	102	160222	72.951	ppm		94
9) Ethyl Mathanesulfonate	3.971	79	306702	81.009	ppm		99
10) Benzaldehyde	4.259	106	256920	81.106	ppm		92
11) Aniline	4.350	93	644420	91.247	ppm		66
13) Phenol	4.350	94	441038m	72.875	ppm		
14) bis(2-Clethyl)Ether	4.393	93	319831	76.378	ppm		95
15) Pentachloroethane	4.382	117	128155	76.011	ppm		99
16) 2-Chlorophenol	4.462	128	343544	72.266	ppm		99
17) 1,3-Diclbenzene	4.580	146	389300	78.687	ppm		96
18) 1,4-Dichlorobenzene	4.644	146	399176	78.843	ppm		98
19) 1,2-Diclbenzene	4.778	146	382965	79.165	ppm		100
20) Benzyl Alcohol	4.762	79	248085	77.053	ppm		97
21) 1-Methyl-2-pyrrolidinone	4.788	99	255777	86.922	ppm		92
22) 2,2'-oxybis(1-Chloropr...	4.863	45	410161	101.937	ppm	#	71
23) 2-Methylphenol	4.884	108	301234	70.620	ppm		94
24) 3+4-Methylphenol	5.023	108	362578m	75.123	ppm		
25) Acetophenone	4.997	105	514847	85.885	ppm		98
26) N-Nitroso-Di-n-propyla...	4.991	70	280047	86.619	ppm		98
27) N-Nitrosopyrrolidine	4.997	100	199480	84.850	ppm		87
28) N-Nitrosomorpholine	5.023	56	202753	87.615	ppm		90
29) o-Toluidine	5.029	106	590699	88.734	ppm	#	5
30) Hexachloroethane	5.077	117	156380	80.246	ppm		93
31) o,o,o-Triethylphosphor...	5.531	198	190763	93.990	ppm	#	49
32) Alpha-terpinol	5.824	121	139205	88.002	ppm		98
35) Nitrobenzene	5.157	77	341893	73.135	ppm		95
36) N-Nitrosopiperidine	5.301	42	245541	96.635	ppm		95
37) Isophorone	5.370	82	594196	76.257	ppm		99
38) 2-Nitrophenol	5.451	139	187796	77.645	ppm		96

Data Path : I:\ACQUDATA\5973A\DATA\062419\
Data File : DS640.D
Acq On : 24 Jun 2019 4:34 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 26 10:37:41 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jun 26 10:37:31 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) 2,4-Dimethylphenol	5.499	107	336267	77.206	ppm		96
40) bis(-2-Chloroethoxy)Me...	5.568	93	383638	83.738	ppm		98
41) Benzoic Acid	5.595	105	15730	23.262	ppm		87
42) 2,4-Dichlorophenol	5.691	162	271347	78.653	ppm		94
43) a,a-Dimethylphenethyla...	6.123	58	805459m	92.606	ppm		
44) 1,2,4-Trichlorobenzene	5.750	180	305050	83.862	ppm		96
45) Naphthalene	5.824	128	1037839	82.099	ppm		100
46) 4-Chloroaniline	5.888	127	410806	77.663	ppm		99
47) 2,6-Dichlorophenol	5.894	162	285931	79.257	ppm		98
48) Hexachlorobutadiene	5.921	225	162221	88.017	ppm		93
49) Hexachloropropene	5.894	213	187034	81.219	ppm		97
50) 4-Chloro-3-methylphenol	6.380	107	264182	76.672	ppm		96
51) N-N-di-n-butylamine	6.193	84	241434	88.360	ppm		99
52) Caprolactam	6.241	113	113378	82.911	ppm		91
53) p-Phenylenediamine	6.241	80	55057	62.429	ppm		78
54) Safrole	6.401	162	252264	77.743	ppm		94
55) 2-Methylnaphthalene	6.492	142	662579	80.990	ppm		96
56) 1-Methylnaphthalene	6.588	142	643744	84.106	ppm		99
58) Hexachlorocyclopentadiene	6.626	237	93019	62.363	ppm		98
59) 1,2,4,5-Tetrachloroben...	6.652	216	270665	81.765	ppm		99
60) 1,2,3,4-Tetrachloroben...	6.930	216	333540	95.688	ppm		97
61) 2,4,6-Trichlorophenol	6.780	196	173398	82.701	ppm		96
62) 2,4,5-Trichlorophenol	6.839	196	182095	80.748	ppm		97
64) Isosafrole	6.909	104	132972	91.927	ppm		90
65) 1,1'-Biphenyl	6.946	154	902801	90.609	ppm		98
66) 2-Chloronaphthalene	6.973	162	581452	80.740	ppm		98
67) 2-Nitroaniline	7.090	65	193764	94.127	ppm		97
68) 1,4-Naphthoquinone	7.160	158	177454	78.492	ppm		91
69) m-Dinitrobenzene	7.315	168	106463	75.246	ppm		93
70) Acenaphthylene	7.379	152	964057	83.578	ppm		98
71) Dimethyl phthalate	7.245	163	589580	70.024	ppm		98
72) 2,6-Dinitrotoluene	7.325	165	137202	71.777	ppm		95
73) Acenaphthene	7.544	153	616857	76.876	ppm		100
74) 3-Nitroaniline	7.501	138	200355	91.178	ppm		98
75) 2,4-Dinitrophenol	7.619	184	42432	62.247	ppm		99
76) Dibenzofuran	7.715	168	760271	76.729	ppm		94
77) 2,4-Dinitrotoluene	7.731	165	191714	75.941	ppm		86
78) 4-Nitrophenol	7.731	65	109264	75.789	ppm	#	20
79) Pentachlorobenzene	7.672	250	219805	82.855	ppm		97
80) 1-Napthylamine	7.806	143	431601	82.712	ppm		100
81) 2-Napthylamine	7.886	143	589254	88.686	ppm		100
82) 2,3,4,6-Tetrachlorophenol	7.854	232	112373	74.274	ppm		92
83) Fluorene	8.057	166	636892	78.176	ppm		97
84) 4-Chlorophenyl-phenyle...	8.052	204	272568	82.930	ppm		92
85) Diethylphthalate	7.939	149	599988	71.955	ppm		98
86) 4-Nitroaniline	8.116	138	195725	90.302	ppm		94
87) 5-Nitro-o-toluidine	8.094	152	226729	92.136	ppm		97
89) Sulfotepp	8.319	322	92905	89.272	ppm		72
90) Octachlorocyclopentene	8.287	307	101108	95.437	ppm		94
92) Thionazin	8.020	107	122094	86.099	ppm		93
93) 4,6-Dinitro-2-methylph...	8.142	198	98354	70.591	ppm		98
94) Diphenylamine	8.180	169	1112403	174.162	ppm		99
95) 1,2 Diphenylhydrazine	8.212	77	703264	87.253	ppm		97
96) N-Nitrosodiphenylamine	8.180	169	1112403	174.162	ppm		99
97) 1,3,5-Trinirobenzene	8.532	74	107556	93.300	ppm		91
98) Diallate	8.442	86	275036	82.759	ppm		96

1st DM 06/26/19
2nd BA 06/26/19

Data Path : I:\ACQUDATA\5973A\DATA\062419\
Data File : DS640.D
Acq On : 24 Jun 2019 4:34 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 26 10:37:41 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jun 26 10:37:31 2019
Response via : Initial Calibration

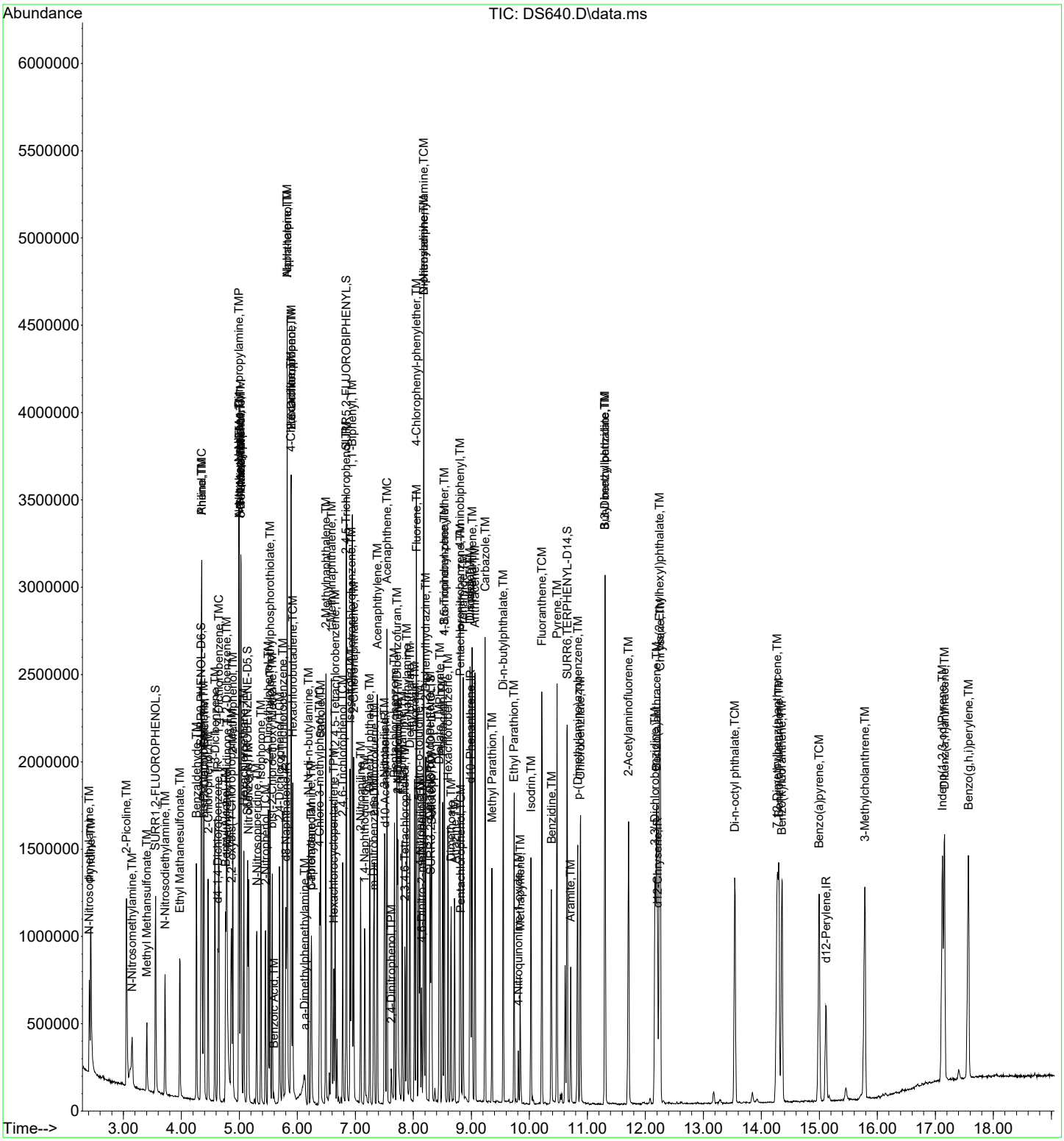
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) Phorate	8.458	121	139721	83.569	ppm	98
100) Phenacetin	8.506	108	367902	87.366	ppm	96
101) 4-Bromophenyl-phenylether	8.532	248	165063	87.336	ppm	98
102) Hexachlorobenzene	8.596	284	187475	88.207	ppm	97
103) Dimethoate	8.650	87	205765	74.505	ppm	94
104) Atrazine	8.714	215	69660	67.404	ppm	92
105) Pentachlorophenol	8.815	266	36452	51.061	ppm	92
106) 4-Aminobiphenyl	8.805	169	588286	90.643	ppm	100
107) Pentachloronitrobenzene	8.810	237	66338	84.487	ppm	89
108) Pronamide	8.858	173	343575	92.969	ppm	95
109) Dinoseb	8.981	211	125432	68.398	ppm	95
110) Disulfoton	8.976	88	315415	79.562	ppm	98
111) Phenanthrene	9.013	178	910241	79.630	ppm	99
112) Anthracene	9.061	178	888999	78.273	ppm	97
113) Carbazole	9.237	167	982343	88.051	ppm	98
114) Di-n-butylphthalate	9.547	149	1048370	72.701	ppm	99
115) 4-Nitroquinonline-1-oxide	9.809	190	24833	36.728	ppm	91
116) Fluoranthene	10.215	202	973138	83.156	ppm	98
118) Methyl Parathion	9.355	109	193224	70.866	ppm	96
119) Ethyl Parathion	9.734	97	167385	82.167	ppm	99
120) Methapyrilene	9.841	58	179911	60.709	ppm	98
121) Isodrin	10.028	193	89455	71.139	ppm	92
122) Benzidine	10.380	184	527369	65.351	ppm	99
123) Pyrene	10.476	202	989239	78.330	ppm	99
125) Aramite	10.711	185	141347m	81.651	ppm	
126) p-(Dimethylamino)azobe...	10.834	120	292040	77.839	ppm	95
127) Chlorobenzilate	10.877	139	373089	85.120	ppm	92
128) Butyl benzyl phthalate	11.304	149	475346	67.847	ppm	99
129) 3,3-Dimethylbenzidine	11.304	212	550382	71.649	ppm	97
130) 2-Acetylaminofluorene	11.710	181	475586	84.998	ppm	97
131) 3,3'-Dichlorobenzidine	12.164	252	346482	75.741	ppm	96
132) Benzo(a)anthracene	12.191	228	902065	77.244	ppm	99
133) Chrysene	12.255	228	863444	80.370	ppm	99
134) bis(2-Ethylhexyl)phtha...	12.244	149	648379	67.252	ppm	98
136) Di-n-octyl phthalate	13.542	149	1104975	68.749	ppm	99
137) 7,12-Dimethylbenz(a)an...	14.274	256	476455	93.062	ppm	99
138) Benzo(b)Fluoranthene	14.301	252	921872	81.798	ppm	99
139) Benzo(k)fluoranthene	14.354	252	820224	76.842	ppm	98
140) Benzo(a)pyrene	14.995	252	801433	82.689	ppm	97
141) 3-Methylcholanthrene	15.785	268	530261	93.414	ppm	97
142) Indeno(1,2,3-cd)Pyrene	17.121	276	857765	90.244	ppm	96
143) Dibenz(a,h)anthracene	17.158	278	838623	84.207	ppm	97
144) Benzo(g,h,i)perylene	17.569	276	833979	101.804	ppm	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\062419\
Data File : DS640.D
Acq On : 24 Jun 2019 4:34 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 26 10:37:41 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jun 26 10:37:31 2019
Response via : Initial Calibration


Abundance
TIC: DS640.D\data.ms
6000000
5500000
5000000
4500000
4000000
3500000
3000000
2500000
2000000
1500000
1000000
500000
0
Time-->
3.00
4.00
5.00
6.00
7.00
8.00
9.00
10.00
11.00
12.00
13.00
14.00
15.00
16.00
17.00
18.00
N-Nitrosodimethylamine,TM
2-Picoline,TM
N-Nitrosomethylamine,TM
Methyl Methansulfonate,TM
SURR1,2-FLUOROPHENOL,S
N-Nitrosodiethylamine,TM
Ethyl Methanesulfonate,TM
Benzaldehyde,TM
Phenol,TM
Aniline,TMC
Bis(2-chloroethyl)ether,TM
2-Chlorophenol,TM
1,3-Dichlorobenzene,TMC
1,4-Dichlorobenzene,TM
Benzyl alcohol,TM
1,2-Dichlorobenzene,TM
2-Methylphenol,TM
2,2'-oxybis(1-Chloropropane),TM
Acetophenone,TM
N-Nitrosopyrrolidine,TM
3&4-Methylphenol,TM
N-Nitrosodi-n-propylamine,TMP
SURR3,PHENOL-D6,S
Hexachloroethane,TM
Nitrobenzene-D5,S
Nitrobenzene,TM
Isophorone,TM
2-Nitrophenol,TM
2,4-Dimethylphenol,TM
Benzoic Acid,TM
Bis(2-chloroethoxy)methane,TM
2,4-Dichlorophenol,TM
1,2,4-Trichlorobenzene,TM
Naphthalene,TM
4-Chloroaniline,TM
Hexachlorobutadiene,TCM
4-Chloro-3-methylphenol,TM
2-Methylnaphthalene,TM
Hexachlorocyclopentadiene,TM
2,4,6-Trichlorophenol,TM
2,4,5-Trichlorophenol,TM
SURR4,2-FLUOROBIPHENYL,S
2-Chloronaphthalene,TM
2-Nitroaniline,TM
Dimethylphthalate,TM
1,3-Dinitrobenzene,TM
Acenaphthylene,TM
2,6-Dinitrotoluene,TM
3-Nitroaniline,TM
Acenaphthene,TMC
2,4-Dinitrophenol,TPM
4-Nitrophenol,TM
Dibenzofuran,TM
2,3,4,6-Tetrachlorophenol,TM
2,4-Dinitrotoluene,TM
Diethylphthalate,TM
4-Chlorophenyl-phenylether,TM
Fluorene,TM
4-Nitroaniline,TM
4,6-Dinitro-2-methylphenol,TM
N-Nitrosodiphenylamine,TM
4-Bromophenyl-phenylether,TM
Hexachlorobenzene,TM
Pentachlorophenol,TM
Phenanthrene,TM
Anthracene,TM
Carbazole,TM
Di-n-butylphthalate,TM
Fluoranthene,TCM
Pyrene,TM
SURR6,TERPHENYL-D14,S
Butylbenzylphthalate,TM
3,3'-Dichlorobenzidine,TM
Benzo(a)anthracene,TM
Chrysene,TM
Bis(2-ethylhexyl)phthalate,TM
Di-n-octyl phthalate,TCM
7,12-Dimethylbenz(a)anthracene,TM
Benzo(b)fluoranthene,TM
Benzo(k)fluoranthene,TM
Benzo(a)pyrene,TCM
Indeno(1,2,3-cd)pyrene,TM
Dibenz(a,h)anthracene,TM
Benzo(g,h,i)perylene,TM
3-Methylcholanthrene,TM
d12-Perylene,IR
Methyl Parathion,TM
Ethyl Parathion,TM
Isodrin,TM
Benzidine,TM
Aramite,TM
4-Nitroquinoline-1-oxide,TM
2-Acetylaminofluorene,TM
p-(Dimethylamino)azobenzene,TM
Pentachloronitrobenzene,TM
Isosafrole,TM
Thionazin,TM
Phorate,TM
Sulfotepp,TM
Famphur,TM
Diallate,TM
Dimethoate,TM
Disulfoton,TM
Methyl Phosphorothiolate,TM
Hexachloropropene,TM
Pronamide,TM
Propylthiouracil,TM
Safrole,TM
Phenacetin,TM
Phorate sulfone,TM
Ethyl Phosphorothiolate,TM
Terbufos,TM
Diphenylamine,TM
Aniline,TM
Diphenylhydrazine,TM
4-Aminobiphenyl,TM
Pentachlorobenzene,TM
Isodrin,TM
Thionazin

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\5973D\Data\062819\
Data File : BS214.D
Acq On : 28 Jun 2019 11:27 pm
Operator : J.Misiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jul 01 07:37:25 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719DS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 10:37:35 2019
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%D	%Dev	Area%	Dev(min)
1	IR	d4-1,4-Dichlorobenzene	1.000	1.000		0.0	108	0.00
2	TM	Pyridine	1.240	1.264		-1.9	103	0.00
3	TM	N-Nitrosodimethylamine	0.598	0.674	-0.3	-12.7	107	0.00
4	S	SURR1,2-FLUOROPHENOL	1.270	1.275		-0.4	103	0.00
5	TM	N-Nitrosodiethylamine	0.603	0.594		1.5	102	0.00
6	TM	Benzaldehyde	1.002	0.760		24.2#	87	0.00
7	TM	Aniline	1.984	1.889		4.8	102	0.00
8	S	SURR2,PHENOL-D6	1.598	1.571		1.7	102	0.02
9	TMC	Phenol	1.593	1.560		2.1	103	0.02
10	TM	bis(2-Clethyl)Ether	1.199	1.187		1.0	104	0.00
11	TM	2-Chlorophenol	1.318	1.324		-0.5	103	0.00
12	TM	1,3-Diclbenzene	1.441	1.351		6.2	101	0.00
13	TMC	1,4-Dichlorobenzene	1.474	1.384		6.1	101	0.00
14	TM	1,2-Diclbenzene	1.388	1.314		5.3	103	0.00
15	TM	Benzyl Alcohol	0.933	0.949		-1.7	104	0.00
16	T	1-Methyl-2-pyrrolidinone	0.795	0.802		-0.9	104	0.02
17	TM	2,2'-oxybis(1-Chloropropane	1.459	1.353		7.3	101	0.00
18	TM	2-Methylphenol	1.177	1.163		1.2	104	0.02
19	TM	3+4-Methylphenol	1.190	1.217		-2.3	109	0.02
20	TM	Acetophenone	1.710	1.621		5.2	104	0.00
21	TMP	N-Nitroso-Di-n-propylamine	0.850	0.801		5.8	103	0.01
22	TM	Hexachloroethane	0.573	0.549		4.2	102	0.00
23	TM	Alpha-terpinol	0.000	0.000		0.0	0#	-5.88#
24	IR	d8-Naphthalene	1.000	1.000		0.0	109	0.00
25	S	SURR4,NITROBENZENE-D5	0.299	0.312		-4.3	105	0.00
26	TM	Nitrobenzene	0.293	0.304		-3.8	105	0.00
27	TM	Isophorone	0.590	0.568		3.7	105	0.00
28	TCM	2-Nitrophenol	0.148	0.185	-17.9	-25.0	126	0.00
29	TM	Benzoic Acid	0.187	0.194		-3.7	119	0.03
30	TM	2,4-Dimethylphenol	0.309	0.309		0.0	105	0.01
31	TM	bis(-2-Chloroethoxy)Methane	0.392	0.374		4.6	103	0.00
32	TCM	2,4-Dichlorophenol	0.254	0.263		-3.5	105	0.01
33	TM	1,2,4-Trichlorobenzene	0.289	0.277		4.2	105	0.00
34	TM	Naphthalene	0.964	0.904		6.2	104	0.00
35	TM	4-Chloroaniline	0.432	0.411		4.9	102	0.00
36	TM	2,6-Dichlorophenol	0.254	0.261		-2.8	105	0.00
37	TCM	Hexachlorobutadiene	0.136	0.132		2.9	104	0.00
38	TMC	4-Chloro-3-methylphenol	0.242	0.253		-4.5	108	0.02
39	TM	Caprolactam	0.092	0.096		-4.3	107	0.03
40	TM	2-Methylnaphthalene	0.647	0.612		5.4	104	0.00
41	TM	1-Methylnaphthalene	0.602	0.573		4.8	104	0.00
42	IR	d10-Acenaphthene	1.000	1.000		0.0	112	0.00
43	TPM	Hexachlorocyclopentadiene	0.299	0.255		14.7	90	0.00
44	TM	1,2,4,5-Tetrachlorobenzene	0.513	0.477		7.0	104	0.00
45	TM	1,2,3,4-Tetrachlorobenzene	0.522	0.486		6.9	105	0.00
46	TCM	2,4,6-Trichlorophenol	0.307	0.334		-8.8	110	0.01
47	TM	2,4,5-Trichlorophenol	0.323	0.340		-5.3	109	0.01
48	S	SURR5,2-FLUOROBIPHENYL	1.287	1.193		7.3	103	0.00
49	TM	1,1'-Biphenyl	1.474	1.357		7.9	102	0.00
50	TM	2-Chloronaphthalene	1.302	1.274		2.2	115	0.00

1st DM 07/01/19
2nd MP 07/02/19

Data Path : I:\ACQUDATA\5973D\Data\062819\
Data File : BS214.D
Acq On : 28 Jun 2019 11:27 pm
Operator : J.Misiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jul 01 07:37:25 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719DS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 10:37:35 2019
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%D	%Dev	Area%	Dev(min)
51	TM	2-Nitroaniline	0.300	0.320		-6.7	113	0.00
52	TM	Acenaphthylene	1.760	1.670		5.1	105	0.00
53	TM	Dimethyl phthalate	1.161	1.109		4.5	106	0.00
54	TM	2,6-Dinitrotoluene	0.256	0.276	-1.4	~~-7.8~~	112	0.01
55	TMC	Acenaphthene	1.155	1.086		6.0	105	0.00
56	TM	3-Nitroaniline	0.320	0.338	0.9	~~-5.6~~	110	0.00
57	TPM	2,4-Dinitrophenol	0.108	0.128	-6.0	~~-18.5~~	119	0.01
58	TM	Dibenzofuran	1.504	1.386		7.8	106	0.00
59	TM	2,4-Dinitrotoluene	0.319	0.364	-2.9	~~-14.1~~	115	0.00
60	TMP	4-Nitrophenol	0.188	0.193		-2.7	109	0.02
61	TM	Pentachlorobenzene	0.401	0.380		5.2	109	0.00
62	TM	2,3,4,6-Tetrachlorophenol	0.261	0.264		-1.1	112	0.00
63	TM	Fluorene	1.182	1.098		7.1	105	0.00
64	TM	4-Chlorophenyl-phenylether	0.519	0.486		6.4	107	0.00
65	TM	Diethylphthalate	1.141	1.155		-1.2	106	0.00
66	TM	4-Nitroaniline	0.375	0.379		-1.1	108	0.01
67	S	SURR3,2,4,6-TRIBROMOPHENOL	0.133	0.151		-13.5	117	0.00
68	TM	Octachlorocyclopentene	0.125	0.133		-6.4	108	0.00
69	IR	d10-Phenanthrene	1.000	1.000		0.0	112	0.00
70	TM	4,6-Dinitro-2-methylphenol	0.096	0.124	-13.5	~~-29.2~~#	131	0.01
71	TM	1,2 Diphenylhydrazine	0.763	0.678		11.1	106	0.00
72	TCM	N-Nitrosodiphenylamine	0.651	0.620		4.8	106	0.00
73	TM	4-Bromophenyl-phenylether	0.185	0.174		5.9	108	0.00
74	TM	Hexachlorobenzene	0.199	0.190		4.5	110	0.00
75	TM	Atrazine	0.082	0.073		11.0	97	0.00
76	TCM	Pentachlorophenol	0.113	0.114		-0.9	103	0.01
77	TM	Phenanthrene	1.065	1.000		6.1	105	0.00
78	TM	Anthracene	1.081	1.034		4.3	105	0.00
79	TM	Carbazole	1.059	0.999		5.7	104	0.00
80	TM	Di-n-butylphthalate	1.232	1.249		-1.4	105	0.00
81	TCM	Fluoranthene	1.096	1.070		2.4	106	0.00
82	IR	d12-Chrysene	1.000	1.000		0.0	110	0.00
83	TM	Benzidine	0.700	0.668		4.6	92	0.00
84	TM	Pyrene	1.274	1.261		1.0	104	0.00
85	S	SURR6,TERPHENYL-D14	0.800	0.797		0.4	107	0.00
86	TM	Butyl benzyl phthalate	0.618	0.640		-3.6	104	0.00
87	TM	3,3'-Dichlorobenzidine	0.382	0.409		-7.1	104	0.00
88	TM	Benzo(a)anthracene	1.114	1.079		3.1	104	0.00
89	TM	Chrysene	1.090	1.049		3.8	104	0.00
90	TM	bis(2-Ethylhexyl)phthalate	0.880	0.919		-4.4	107	0.00
91	IR	d12-Perylene	1.000	1.000		0.0	111	0.00
92	TCM	Di-n-octyl phthalate	1.439	1.630	0.1	~~-13.3~~	110	0.00
93	TM	Benzo(b)Fluoranthene	1.103	1.141		-3.4	106	0.02
94	TM	Benzo(k)fluoranthene	1.082	1.050		3.0	101	0.02
95	TCM	Benzo(a)pyrene	0.996	1.043		-4.7	104	0.02
96	TM	Indeno(1,2,3-cd)Pyrene	0.812	0.868		-6.9	110	0.01
97	TM	Dibenz(a,h)anthracene	0.862	0.937		-8.7	106	0.01
98	TM	Benzo(g,h,i)perylene	0.847	0.880		-3.9	109	0.02

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\5973D\Data\062819\
Data File : BS214.D
Acq On : 28 Jun 2019 11:27 pm
Operator : J.Misiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jul 01 07:37:25 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719DS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 10:37:35 2019
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

1st DM 07/01/19
2nd MP 07/02/19

Data Path : I:\ACQUDATA\5973D\Data\062819\
Data File : BS214.D
Acq On : 28 Jun 2019 11:27 pm
Operator : J.Misiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jul 01 07:37:25 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719DS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 10:37:35 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.694	152	348140	40.00	ppm		0.00
24) d8-Naphthalene	5.854	136	1338318	40.00	ppm		0.00
42) d10-Acenaphthene	7.561	164	703415	40.00	ppm		0.00
69) d10-Phenanthrene	9.026	188	1130110	40.00	ppm		0.00
82) d12-Chrysene	12.246	240	976470	40.00	ppm		0.00
91) d12-Perylene	15.129	264	953189	40.00	ppm		0.00
System Monitoring Compounds							
4) SURR1,2-FLUOROPHENOL	3.629	112	887933	80.32	ppm		0.00
Spiked Amount 200.000	Range 10 - 70		Recovery = 40.16%				
8) SURR2,PHENOL-D6	4.362	99	1093976	78.65	ppm		0.02
Spiked Amount 200.000	Range 10 - 107		Recovery = 39.33%				
25) SURR4,NITROBENZENE-D5	5.186	82	834177	83.45	ppm		0.00
Spiked Amount 100.000	Range 31 - 110		Recovery = 83.45%				
48) SURR5,2-FLUOROBIPHENYL	6.897	172	1678025	74.16	ppm		0.00
Spiked Amount 100.000	Range 31 - 118		Recovery = 74.16%				
67) SURR3,2,4,6-TRIBROMOPH...	8.336	330	212791	91.15	ppm		0.00
Spiked Amount 200.000	Range 35 - 141		Recovery = 45.58%				
85) SURR6,TERPHENYL-D14	10.700	244	1557325	79.72	ppm		0.00
Spiked Amount 100.000	Range 10 - 165		Recovery = 79.72%				
Target Compounds							Qvalue
2) Pyridine	2.688	79	880305	81.554	ppm		98
3) N-Nitrosodimethylamine	2.661	74	469095	80.268	ppm		98
5) N-Nitrosodiethylamine	3.817	102	413691	78.768	ppm		98
6) Benzaldehyde	4.325	106	528864	60.639	ppm		99
7) Aniline	4.410	93	1315541	76.186	ppm		99
9) Phenol	4.373	94	1085949	78.301	ppm		100
10) bis(2-Clethyl)Ether	4.458	93	826443	79.165	ppm		98
11) 2-Chlorophenol	4.512	128	921553	80.326	ppm		98
12) 1,3-Diclbenzene	4.640	146	940684	74.983	ppm		100
13) 1,4-Dichlorobenzene	4.704	146	963463	75.079	ppm		99
14) 1,2-Diclbenzene	4.838	146	915012	75.758	ppm		98
15) Benzyl Alcohol	4.806	79	660904	81.392	ppm		97
16) 1-Methyl-2-pyrrolidinone	4.886	99	558211	80.685	ppm		98
17) 2,2'-oxybis(1-Chloropr...	4.918	45	942019	74.196	ppm		91
18) 2-Methylphenol	4.908	108	809483	79.024	ppm		96
19) 3+4-Methylphenol	5.052	108	847073	81.776	ppm	#	68
20) Acetophenone	5.047	105	1128488	75.803	ppm		98
21) N-Nitroso-Di-n-propyla...	5.052	70	557678	75.408	ppm		97
22) Hexachloroethane	5.138	117	382396	76.701	ppm		100
26) Nitrobenzene	5.207	77	814384	82.971	ppm		100
27) Isophorone	5.426	82	1520223	77.053	ppm		97
28) 2-Nitrophenol	5.496	139	496468	94.285	ppm		99
29) Benzoic Acid	5.646	105	520460	83.033	ppm		99
30) 2,4-Dimethylphenol	5.533	107	827611	80.084	ppm		95
31) bis(-2-Chloroethoxy)Me...	5.624	93	1000262	76.211	ppm		100
32) 2,4-Dichlorophenol	5.726	162	705131	82.948	ppm		99
33) 1,2,4-Trichlorobenzene	5.795	180	742607	76.734	ppm		99
34) Naphthalene	5.876	128	2419130	74.993	ppm		99
35) 4-Chloroaniline	5.929	127	1099599	76.000	ppm		99
36) 2,6-Dichlorophenol	5.935	162	699332	82.257	ppm		98
37) Hexachlorobutadiene	5.983	225	352246	77.352	ppm		99
38) 4-Chloro-3-methylphenol	6.400	107	676357	83.560	ppm		99
39) Caprolactam	6.304	113	256146	83.505	ppm		96

1st DM 07/01/19
2nd MP 07/02/19

Data Path : I:\ACQUDATA\5973D\Data\062819\
Data File : BS214.D
Acq On : 28 Jun 2019 11:27 pm
Operator : J.Misiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jul 01 07:37:25 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719DS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 10:37:35 2019
Response via : Initial Calibration

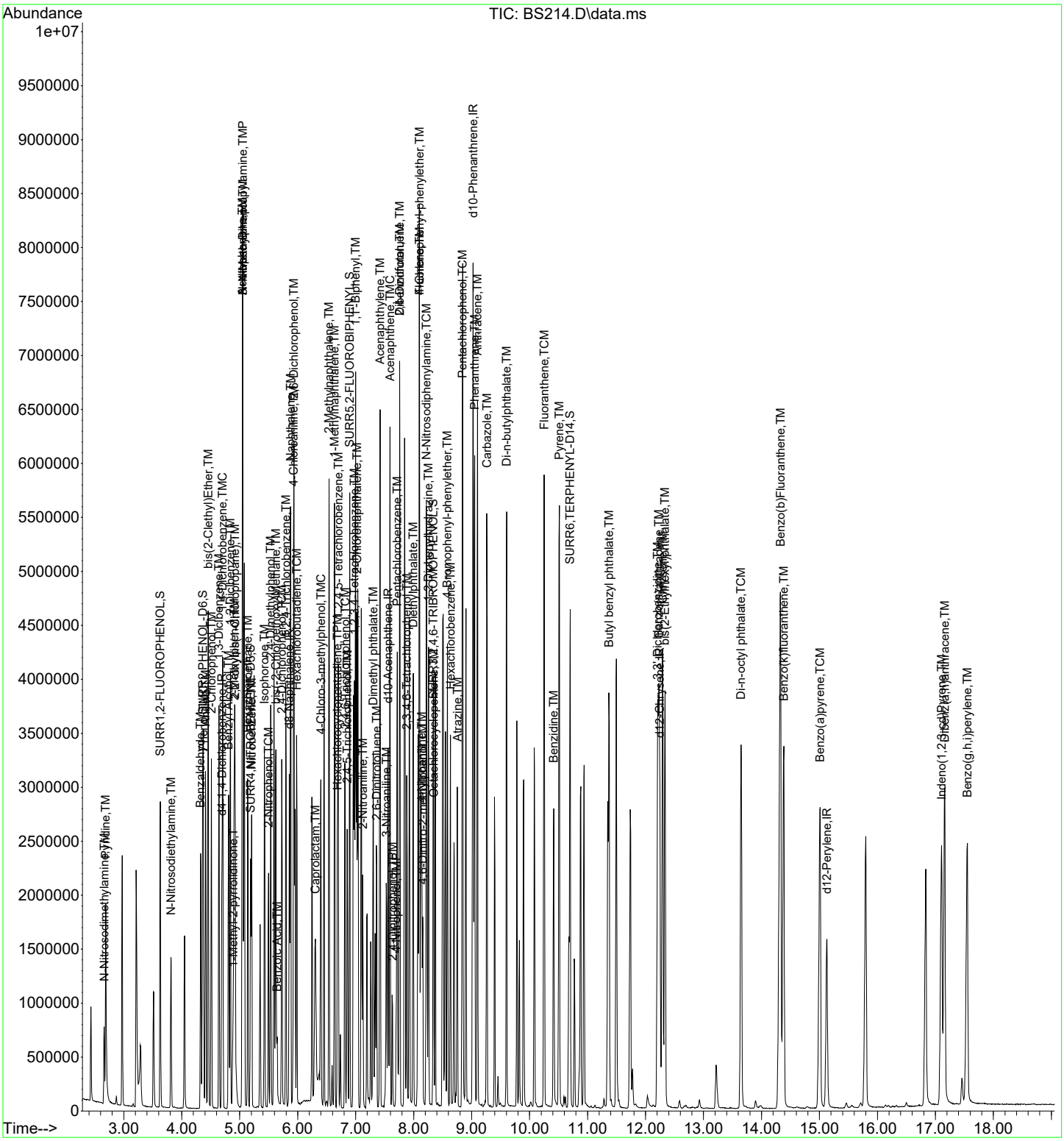
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) 2-Methylnaphthalene	6.539	142	1636795	75.595	ppm	100
41) 1-Methylnaphthalene	6.635	142	1532484	76.113	ppm	99
43) Hexachlorocyclopentadiene	6.683	237	359421	68.462	ppm	100
44) 1,2,4,5-Tetrachloroben...	6.699	216	671176	74.419	ppm	99
45) 1,2,3,4-Tetrachloroben...	6.978	216	684145	74.547	ppm	99
46) 2,4,6-Trichlorophenol	6.817	196	469431	87.092	ppm	97
47) 2,4,5-Trichlorophenol	6.855	196	478677	84.400	ppm	98
49) 1,1'-Biphenyl	6.999	154	1908713	73.614	ppm	99
50) 2-Chloronaphthalene	7.020	162	1791785	78.252	ppm	100
51) 2-Nitroaniline	7.122	65	450804	85.341	ppm	92
52) Acenaphthylene	7.421	152	2349636	75.935	ppm	100
53) Dimethyl phthalate	7.304	163	1560441	76.410	ppm	100
54) 2,6-Dinitrotoluene	7.363	165	388021	81.097	ppm	99
55) Acenaphthene	7.593	153	1528327	75.250	ppm	100
56) 3-Nitroaniline	7.528	138	475232	79.309	ppm	100
57) 2,4-Dinitrophenol	7.635	184	180108	84.834	ppm	94
58) Dibenzofuran	7.758	168	1950292	73.736	ppm	99
59) 2,4-Dinitrotoluene	7.758	165	512073	82.359	ppm	94
60) 4-Nitrophenol	7.700	65	271702	82.094	ppm	97
61) Pentachlorobenzene	7.716	250	534118	75.767	ppm	99
62) 2,3,4,6-Tetrachlorophenol	7.881	232	370711	80.639	ppm	98
63) Fluorene	8.101	166	1544449	74.272	ppm	99
64) 4-Chlorophenyl-phenyle...	8.101	204	683138	74.913	ppm	92
65) Diethylphthalate	7.994	149	1625536	81.030	ppm	100
66) 4-Nitroaniline	8.138	138	533741	81.040	ppm	98
68) Octachlorocyclopentene	8.347	307	187427	85.424	ppm	94
70) 4,6-Dinitro-2-methylph...	8.160	198	281141	90.819	ppm	92
71) 1,2 Diphenylhydrazine	8.256	77	1532217	71.033	ppm	100
72) N-Nitrosodiphenylamine	8.218	169	1400479	76.115	ppm	100
73) 4-Bromophenyl-phenylether	8.582	248	393876	75.275	ppm	98
74) Hexachlorobenzene	8.636	284	430293	76.496	ppm	94
75) Atrazine	8.753	215	163994	71.053	ppm	97
76) Pentachlorophenol	8.839	266	257854	80.580	ppm	97
77) Phenanthrene	9.053	178	2259609	75.120	ppm	99
78) Anthracene	9.101	178	2337650	76.565	ppm	99
79) Carbazole	9.261	167	2258137	75.448	ppm	99
80) Di-n-butylphthalate	9.604	149	2822282	81.077	ppm	99
81) Fluoranthene	10.251	202	2418988	78.114	ppm	99
83) Benzidine	10.417	184	1304945	76.347	ppm	97
84) Pyrene	10.513	202	2463166	79.218	ppm	99
86) Butyl benzyl phthalate	11.369	149	1250809	82.881	ppm	98
87) 3,3'-Dichlorobenzidine	12.209	252	799464	85.679	ppm	99
88) Benzo(a)anthracene	12.230	228	2106380	77.431	ppm	100
89) Chrysene	12.294	228	2048535	76.999	ppm	99
90) bis(2-Ethylhexyl)phtha...	12.337	149	1794350	83.530	ppm	99
92) Di-n-octyl phthalate	13.647	149	3106548	79.950	ppm	100
93) Benzo(b)Fluoranthene	14.327	252	2175678	82.774	ppm	99
94) Benzo(k)fluoranthene	14.385	252	2000971	77.626	ppm	99
95) Benzo(a)pyrene	15.011	252	1987894	83.743	ppm	98
96) Indeno(1,2,3-cd)Pyrene	17.108	276	1655374	85.564	ppm	95
97) Dibenz(a,h)anthracene	17.161	278	1787100	86.994	ppm	96
98) Benzo(g,h,i)perylene	17.552	276	1676945	83.095	ppm	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st DM 07/01/19
2nd MP 07/02/19

Data Path : I:\ACQUDATA\5973D\Data\062819\
Data File : BS214.D
Acq On : 28 Jun 2019 11:27 pm
Operator : J.Misiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 28 Sample Multiplier: 1

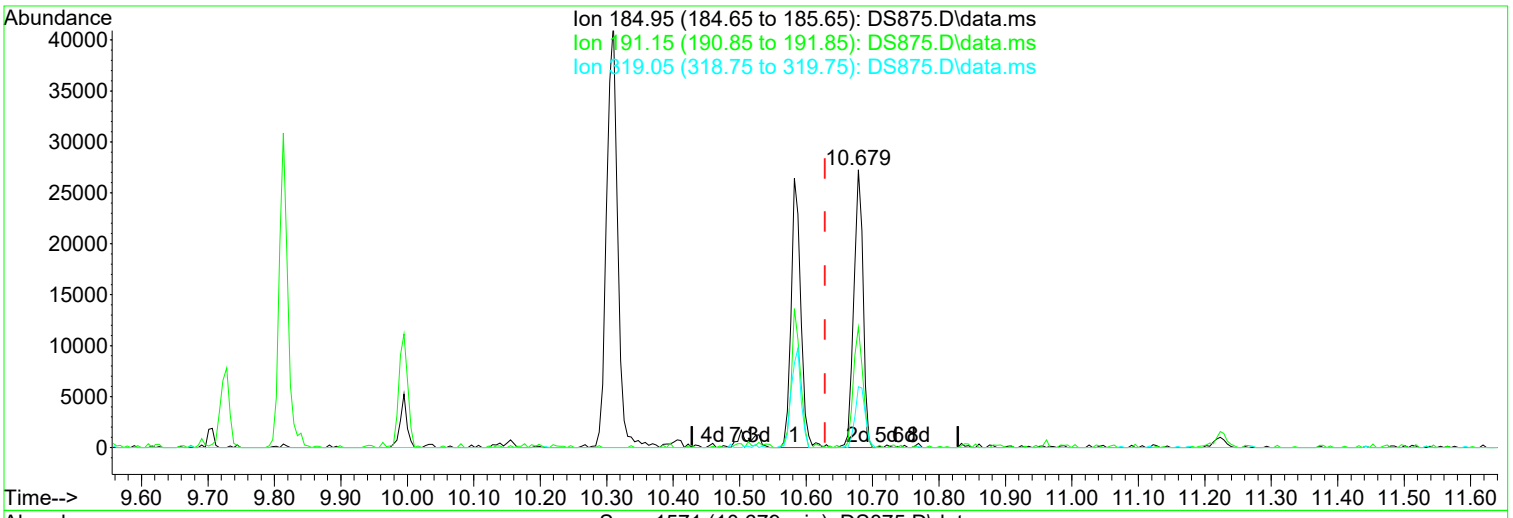
Quant Time: Jul 01 07:37:25 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719DS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 10:37:35 2019
Response via : Initial Calibration

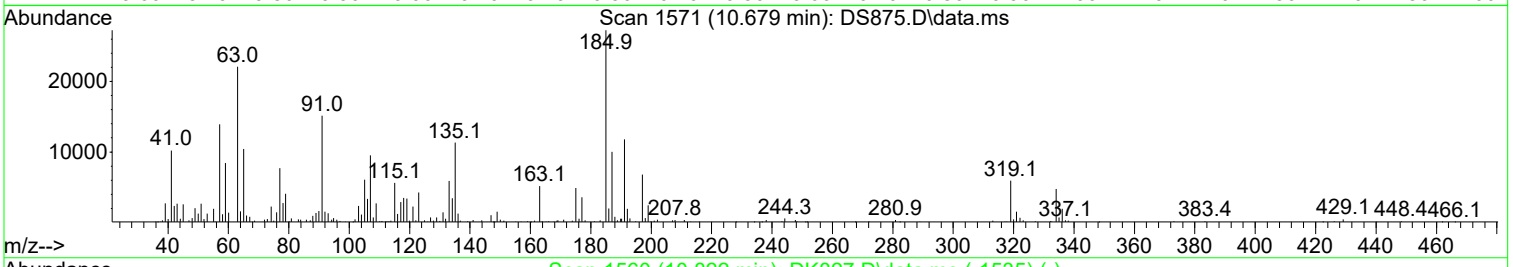


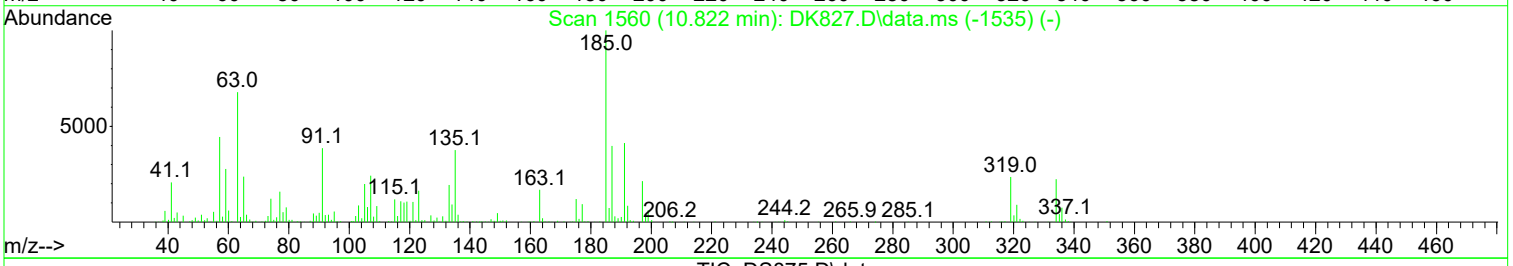
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\071219\
Data File : DS875.D
Acq On : 12 Jul 2019 6:39 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 12 07:04:20 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jul 05 09:32:54 2019
Response via : Initial Calibration







TIC: DS875.D\data.ms

(125) Aramite (TM)

10.679min (+ 0.050) 90.81 ppm m

response 53402

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	51.70	43.33
319.05	19.90	21.88
0.00	0.00	0.00

Manual Integration:

After

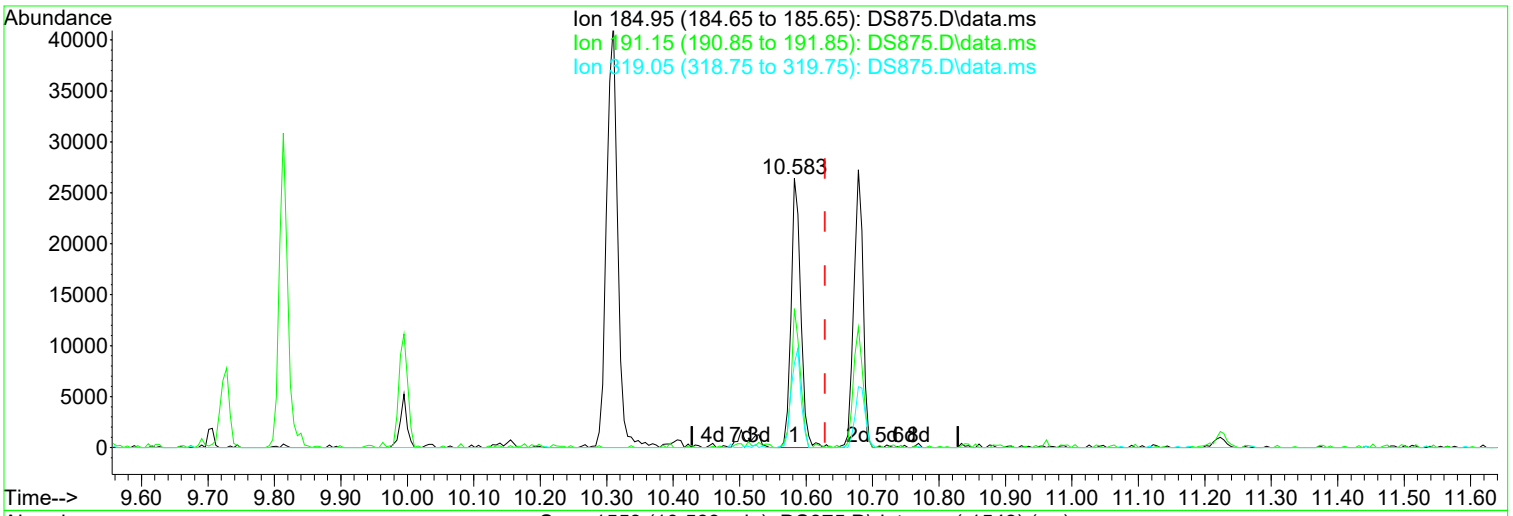
Split Peak.

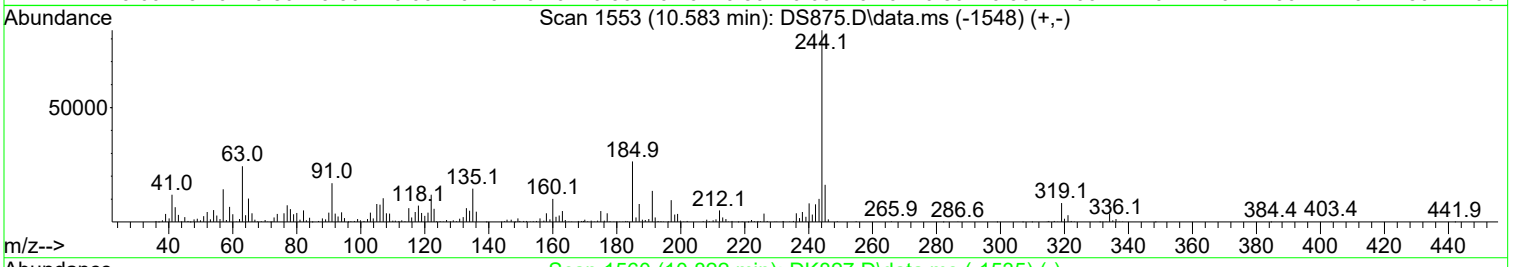
07/15/19

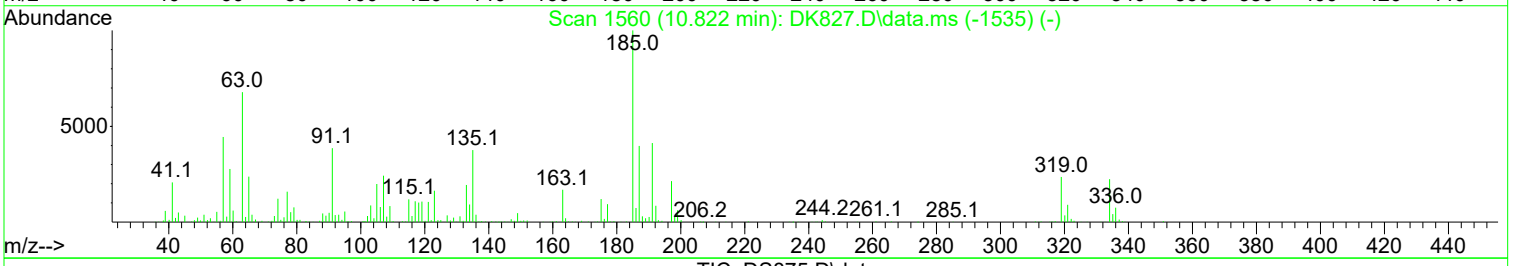
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\071219\
Data File : DS875.D
Acq On : 12 Jul 2019 6:39 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 12 07:04:20 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jul 05 09:32:54 2019
Response via : Initial Calibration







TIC: DS875.D\data.ms

(125) Aramite (TM)

10.583min (-0.046) 45.59 ppm

response 26810

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	51.70	51.59
319.05	19.90	31.31
0.00	0.00	0.00

Manual Integration:

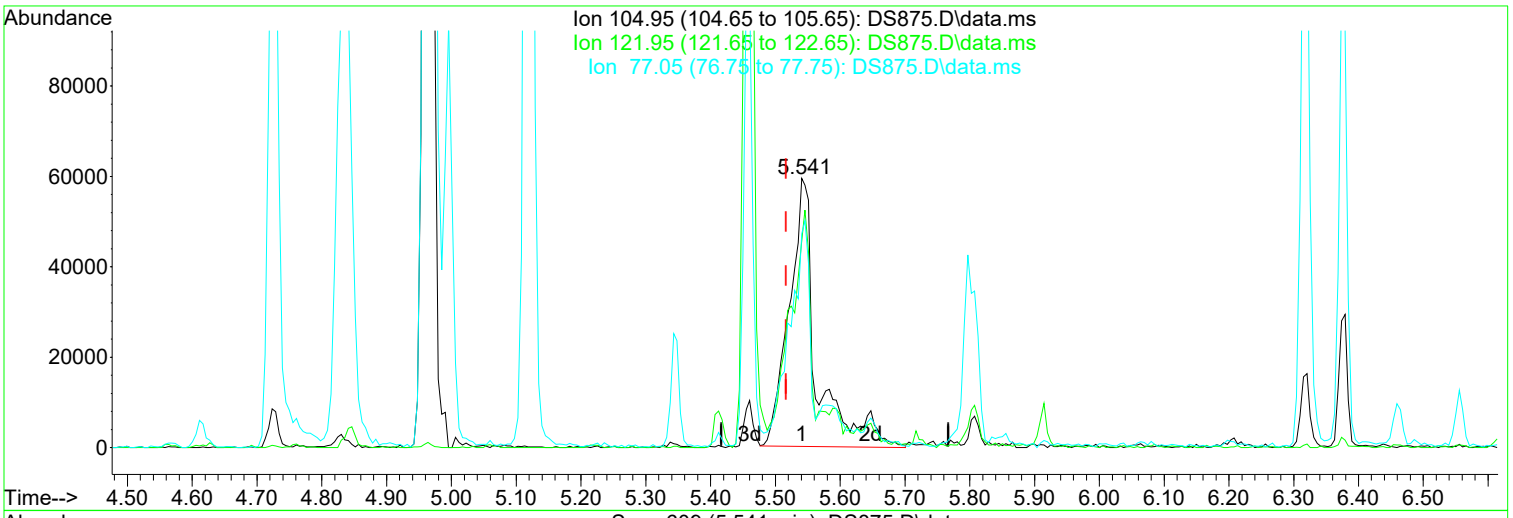
Before

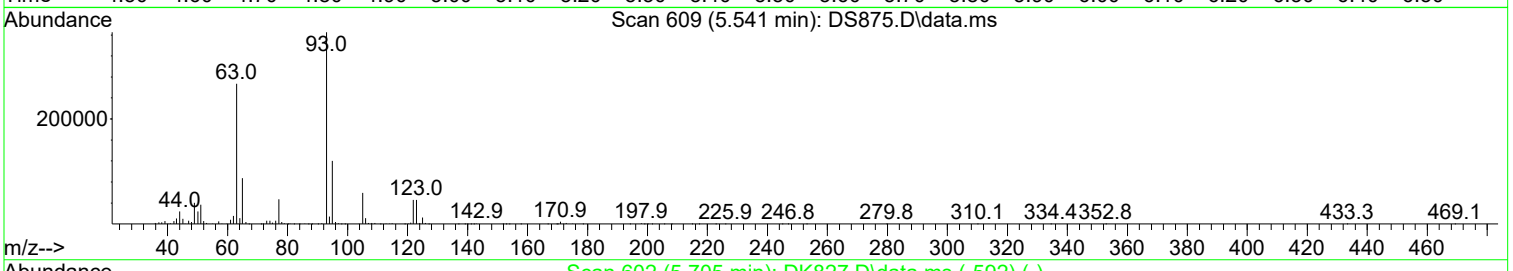
07/15/19

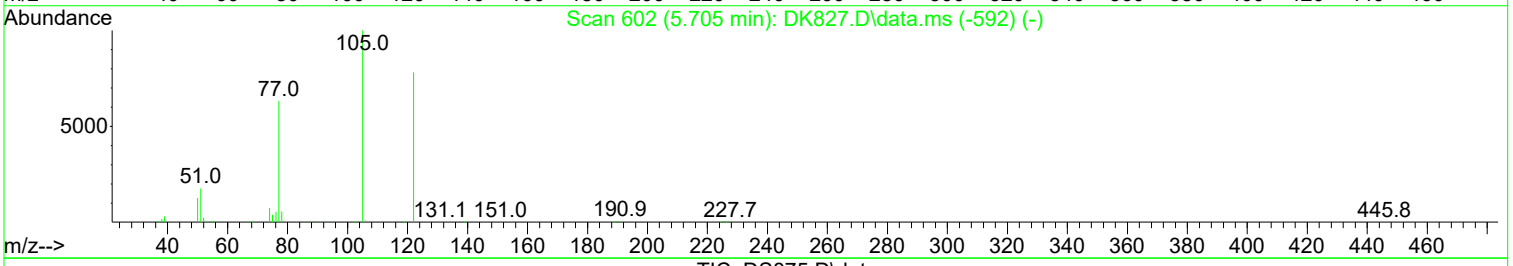
1st DM 07/15/19
2nd BA 07/15/19

Data Path : I:\ACQUDATA\5973A\DATA\071219\
Data File : DS875.D
Acq On : 12 Jul 2019 6:39 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 12 07:04:20 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jul 05 09:32:54 2019
Response via : Initial Calibration







TIC: DS875.D\data.ms

(41) Benzoic Acid (TM)

5.541min (+ 0.024) 68.88 ppm m

response 177054

Ion	Exp%	Act%
104.95	100.00	100.00
121.95	75.00	76.87
77.05	84.70	79.47
0.00	0.00	0.00

Manual Integration:

After

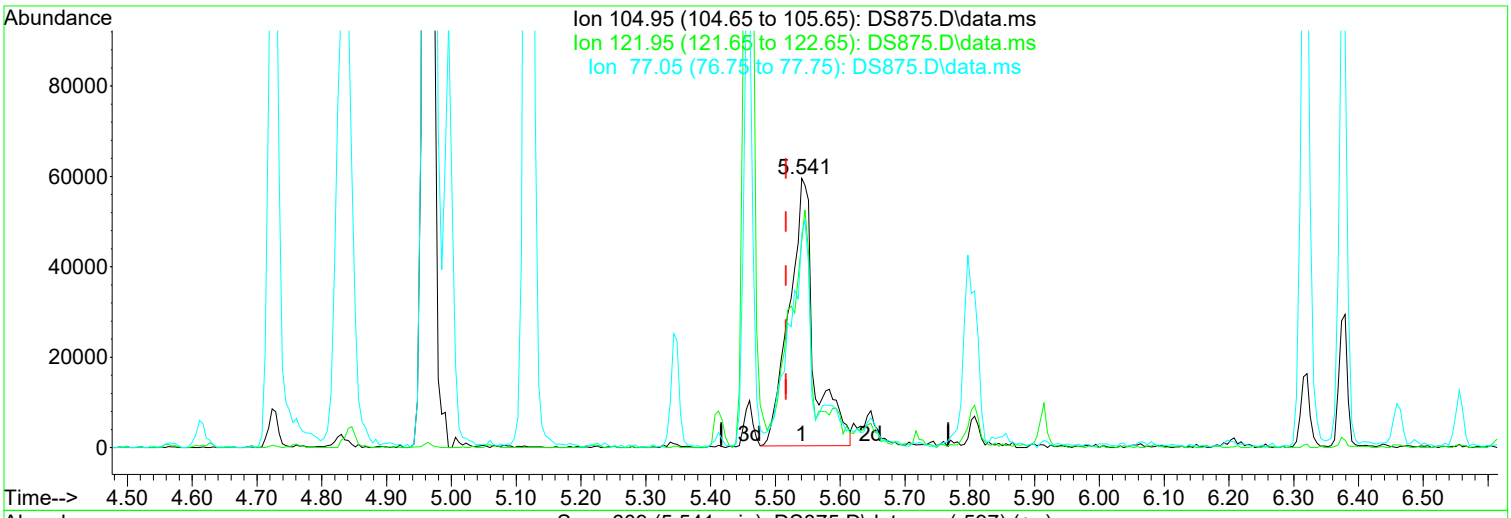
Poor integration.

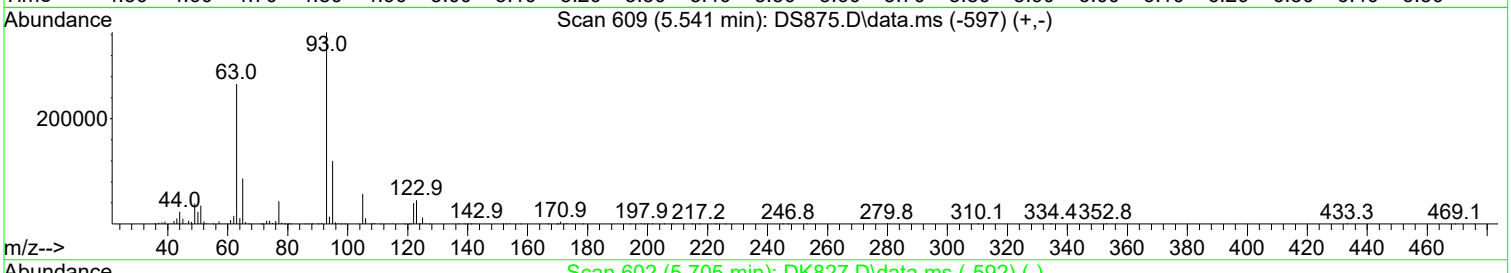
07/15/19

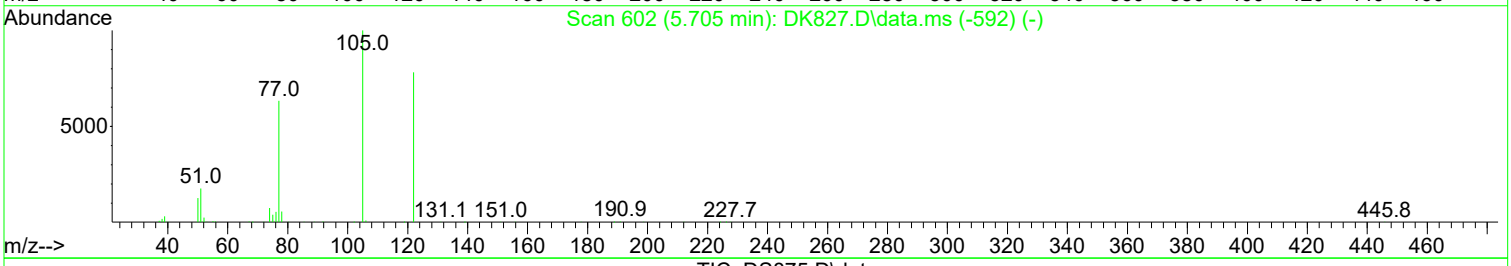
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\071219\
Data File : DS875.D
Acq On : 12 Jul 2019 6:39 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 12 07:04:20 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jul 05 09:32:54 2019
Response via : Initial Calibration







TIC: DS875.D\data.ms

(41) Benzoic Acid (TM)

5.541min (+ 0.024) 62.04 ppm

response 159489

Ion	Exp%	Act%
104.95	100.00	100.00
121.95	75.00	68.44
77.05	84.70	75.18
0.00	0.00	0.00

Manual Integration:

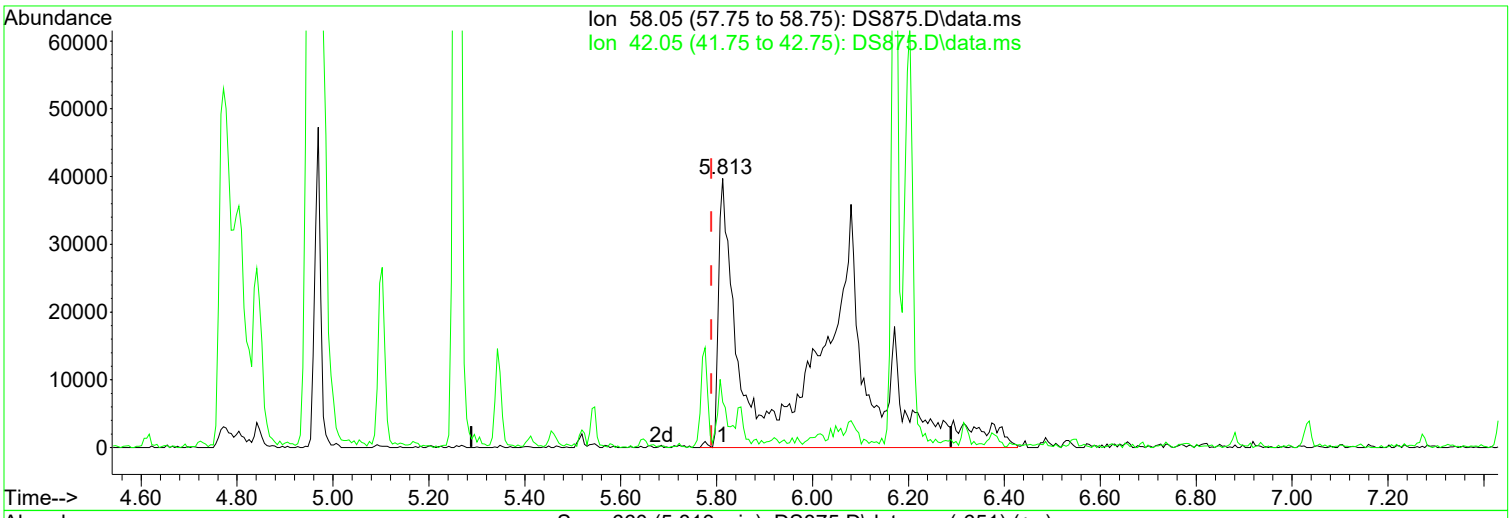
Before

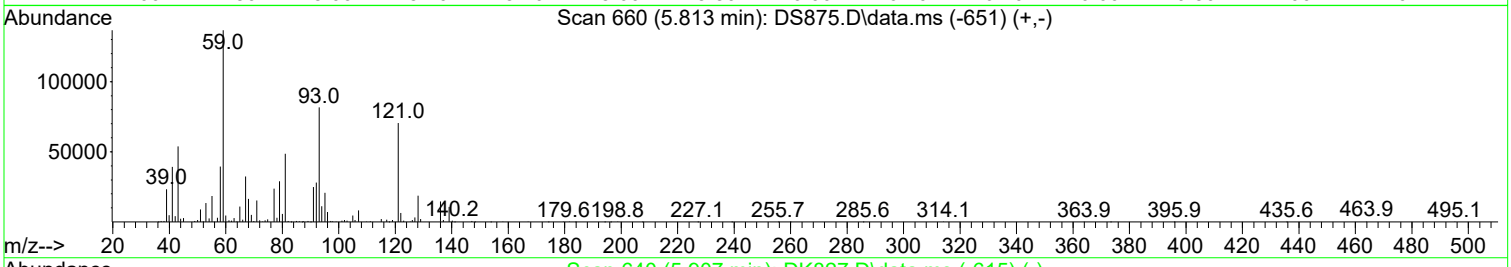
07/15/19

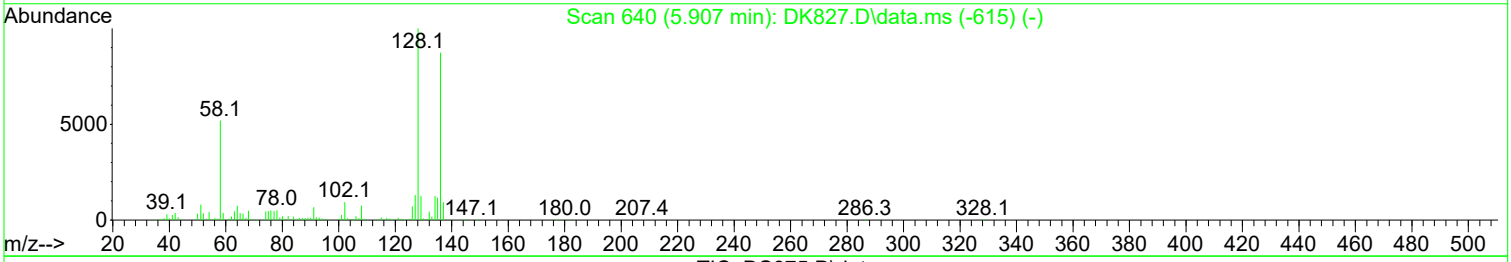
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\071219\
Data File : DS875.D
Acq On : 12 Jul 2019 6:39 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 12 07:04:20 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jul 05 09:32:54 2019
Response via : Initial Calibration







TIC: DS875.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.813min (+ 0.024) 40.96 ppm m

response 336519

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	10.40	16.89
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

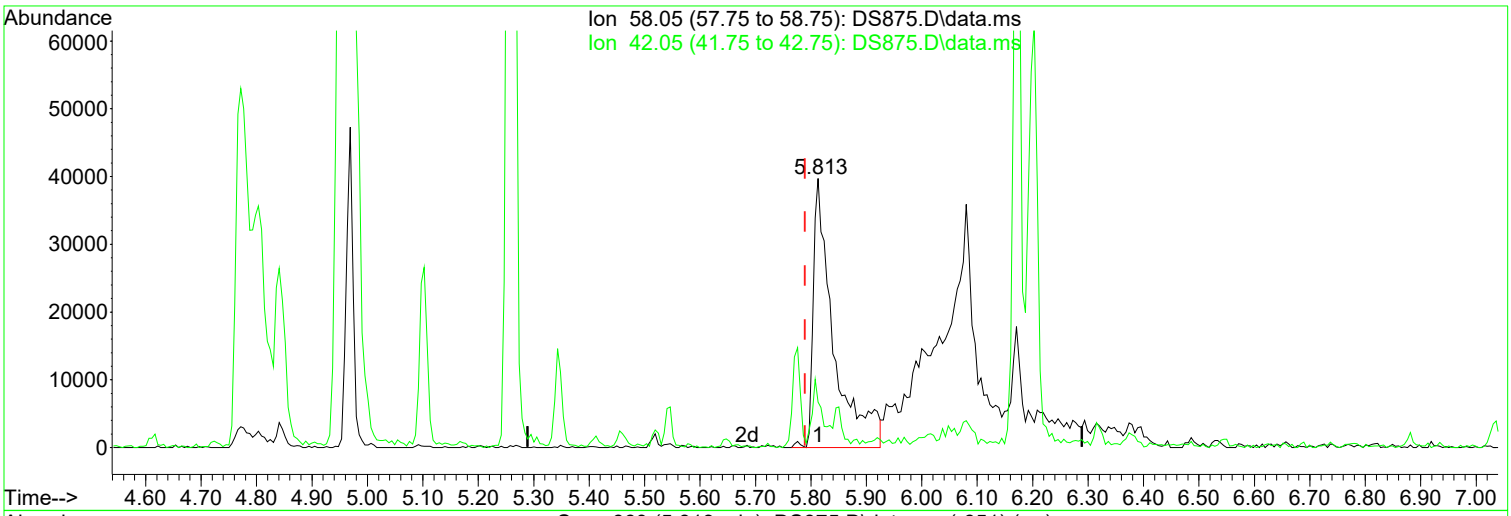
Poor integration.

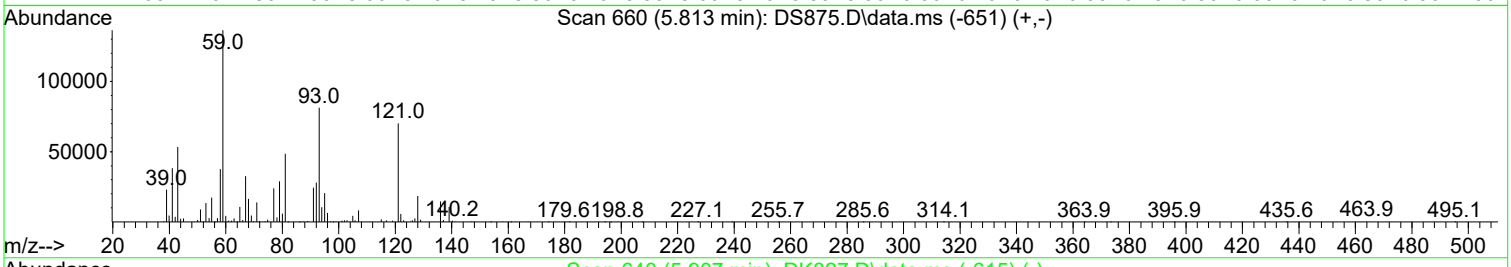
07/15/19

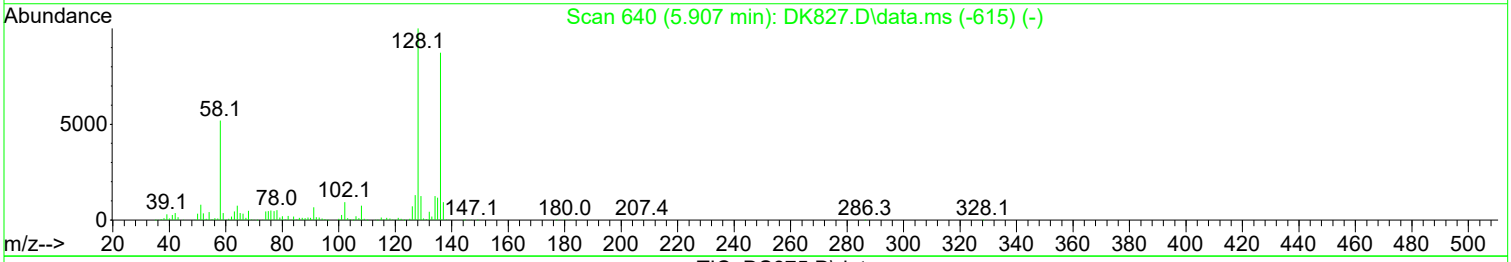
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\071219\
Data File : DS875.D
Acq On : 12 Jul 2019 6:39 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 12 07:04:20 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jul 05 09:32:54 2019
Response via : Initial Calibration







TIC: DS875.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.813min (+ 0.024) 12.35 ppm

response 101475

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	10.40	9.57
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

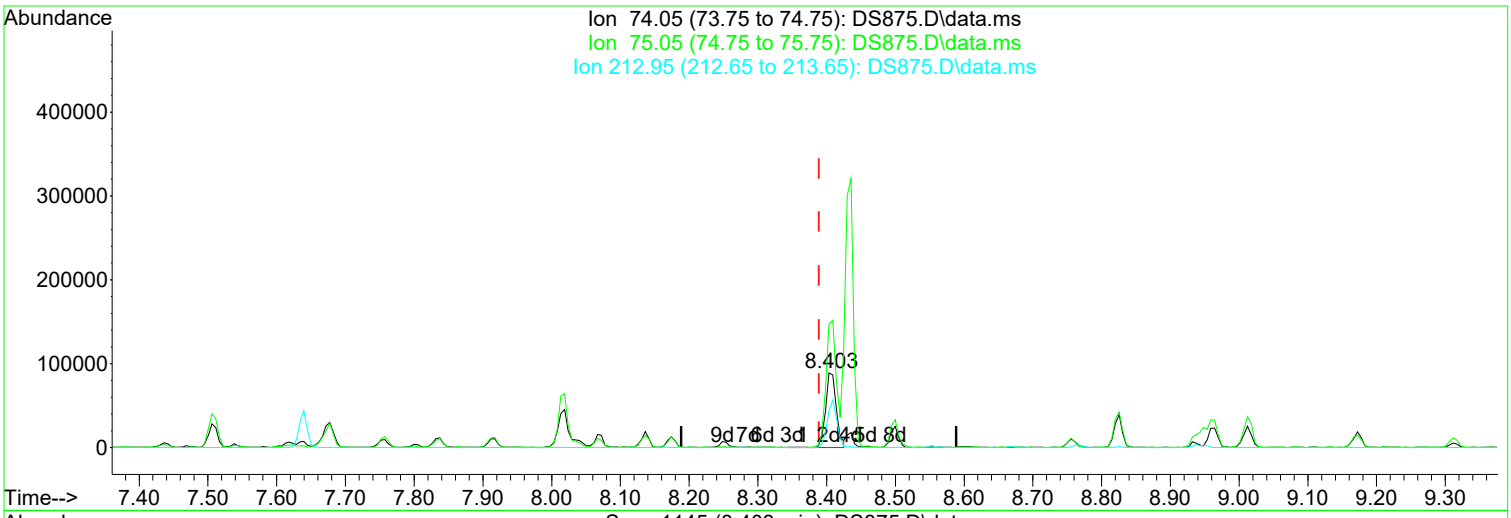
Before

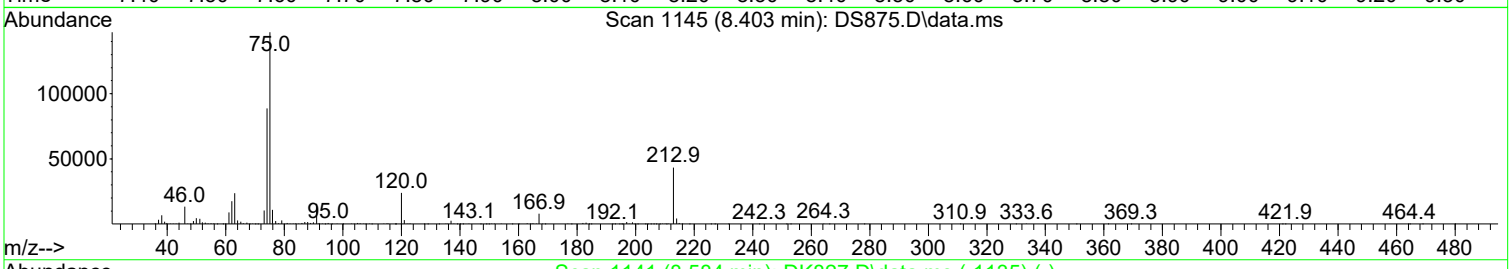
07/15/19

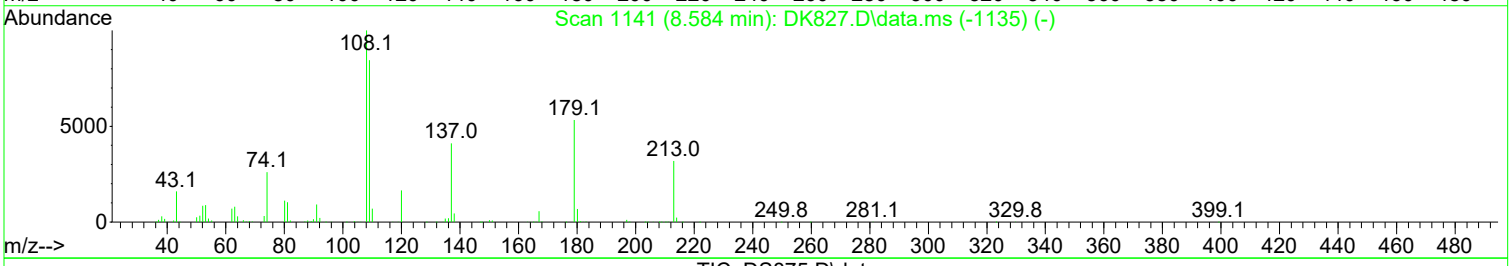
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\071219\
Data File : DS875.D
Acq On : 12 Jul 2019 6:39 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 12 07:04:20 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jul 05 09:32:54 2019
Response via : Initial Calibration







TIC: DS875.D\data.ms

(97) 1,3,5-Trinirobenzene (TM)

8.403min (+ 0.014) 87.06 ppm m

response 95884

Ion	Exp%	Act%
74.05	100.00	100.00
75.05	153.70	165.83
212.95	64.90	48.89
0.00	0.00	0.00

Manual Integration:

After

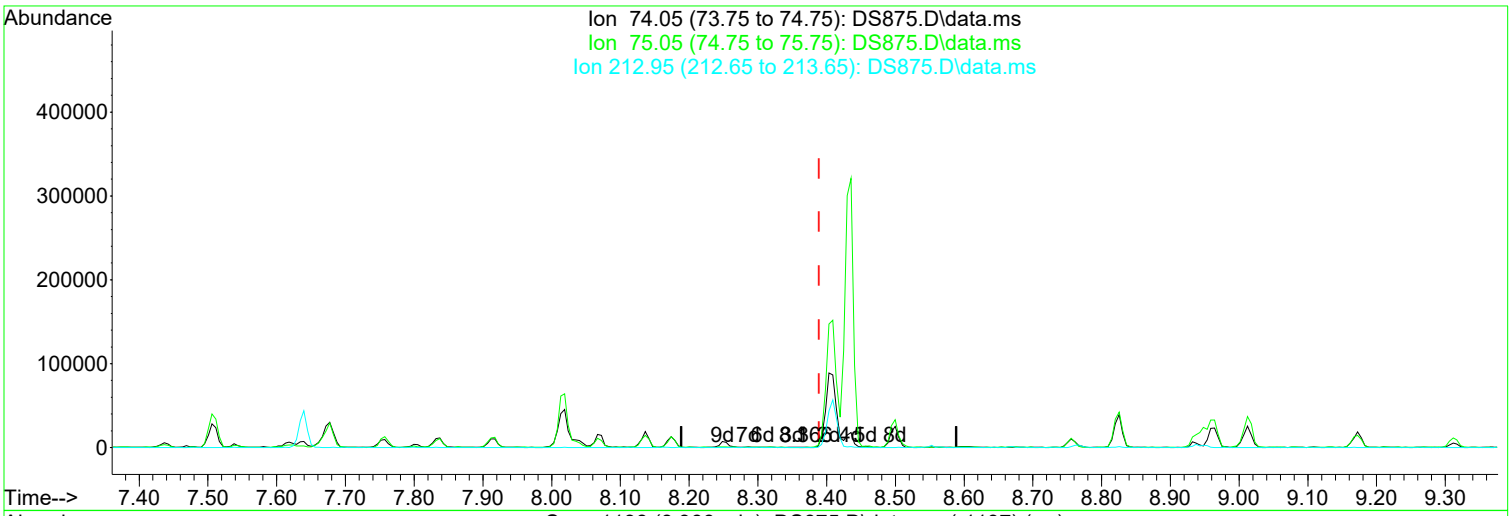
Peak not found.

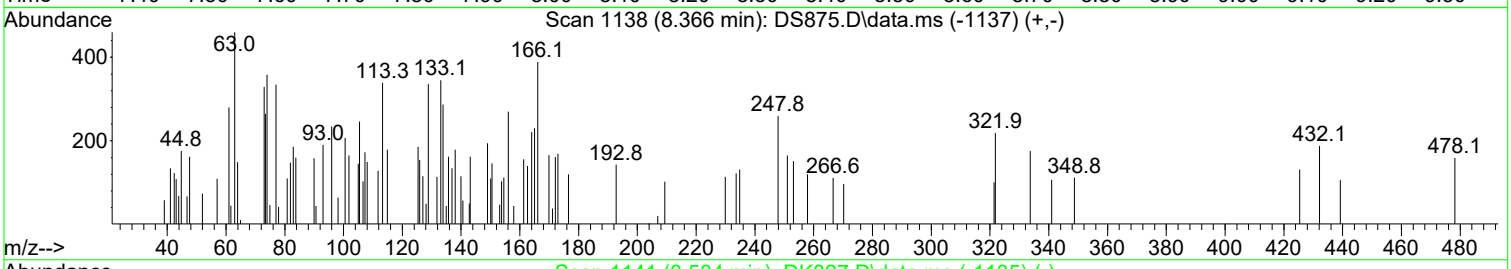
07/15/19

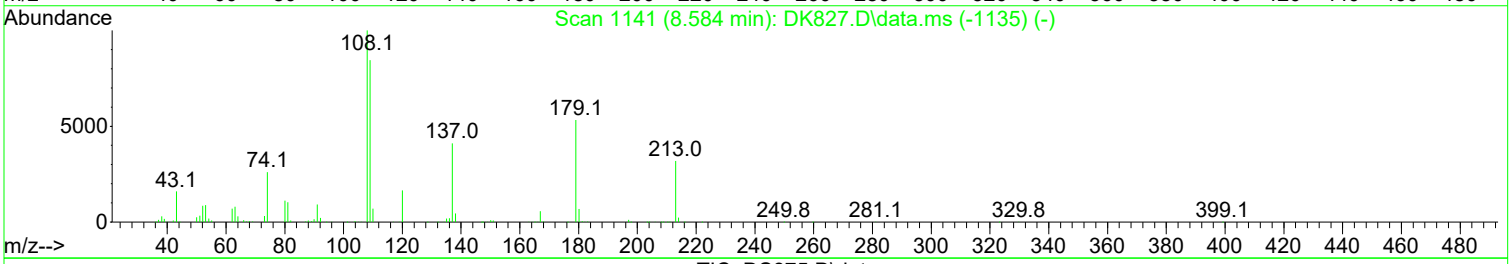
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\071219\
Data File : DS875.D
Acq On : 12 Jul 2019 6:39 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 12 07:04:20 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jul 05 09:32:54 2019
Response via : Initial Calibration







TIC: DS875.D\data.ms

(97) 1,3,5-Trinirobenzene (TM)

8.366min (-0.023) 0.20 ppm

response 215

Ion	Exp%	Act%
74.05	100.00	100.00
75.05	153.70	17.68#
212.95	64.90	0.00#
0.00	0.00	0.00

Manual Integration:

Before

07/15/19

1st DM 07/15/19
2nd BA 07/15/19

Data Path : I:\ACQUDATA\5973A\DATA\071219\
Data File : DS875.D
Acq On : 12 Jul 2019 6:39 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 12 07:04:20 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jul 05 09:32:54 2019
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%D	%Dev	Area%	Dev(min)
1	IR	d4-1,4-Dichlorobenzene	1.000	1.000		0.0	155	-0.01
2	TM	Pyridine	1.540	1.669		-8.4	163	-0.03
3	TM	N-Nitrosodimethylamine	0.876	1.001		-14.3	164	-0.03
4	TM	2-Picoline	1.430	1.539		-7.6	164	-0.02
5	TM	N-Nitrosomethylamine	0.939	0.954		-1.6	167	-0.02
6	TM	Methyl Methansulfonate	0.707	1.002		-41.7#	222#	-0.01
7	S	SURR1,2-FLUOROPHENOL	1.390	1.448		-4.2	168	0.00
8	TM	N-Nitrosodiethylamine	0.679	0.655		3.5	152	-0.01
9	TM	Ethyl Mathanesulfonate	1.125	1.135		-0.9	165	-0.01
10	TM	Benzaldehyde	1.085	0.986		9.1	157	-0.01
11	TM	Aniline	2.058	2.221		-7.9	167	-0.01
12	S	SURR2,PHENOL-D6	1.705	1.807		-6.0	167	0.00
13	TMC	Phenol	1.696	1.823		-7.5	167	0.00
14	TM	bis(2-Clethyl)Ether	1.387	1.478		-6.6	168	-0.01
15	TM	Pentachloroethane	0.547	0.571		-4.4	175	-0.01
16	TM	2-Chlorophenol	1.362	1.487		-9.2	159	0.00
17	TM	1,3-Diclbenzene	1.556	1.645		-5.7	158	-0.01
18	TMC	1,4-Dichlorobenzene	1.640	1.640		0.0	157	0.00
19	TM	1,2-Diclbenzene	1.544	1.594		-3.2	161	0.00
20	TM	Benzyl Alcohol	1.263	1.323		-4.8	156	0.00
21	T	1-Methyl-2-pyrrolidinone	0.786	0.918		-16.8	165	-0.02
22	TM	2,2'-oxybis(1-Chloropropane	2.093	2.124		-1.5	161	0.00
23	TM	2-Methylphenol	1.241	1.322		-6.5	164	0.01
24	TM	3+4-Methylphenol	1.388	1.524		-9.8	169	0.00
25	TM	Acetophenone	1.921	1.903		0.9	162	0.00
26	TMP	N-Nitroso-Di-n-propylamine	1.152	1.156		-0.3	162	0.00
27	TM	N-Nitrosopyrrolidine	0.705	0.759		-7.7	161	0.00
28	TM	N-Nitrosomorpholine	0.977	0.992		-1.5	158	0.00
29	TM	o-Toluidine	2.088	2.198		-5.3	161	0.00
30	TM	Hexachloroethane	0.667	0.716		-7.3	161	-0.01
31	TM	o,o,o-Triethylphosphorothio	0.641	0.651		-1.6	152	0.00
32	TM	Alpha-terpinol	0.470	0.459		2.3	157	0.00
33	IR	d8-Naphthalene	1.000	1.000		0.0	158	0.00
34	S	SURR4,NITROBENZENE-D5	0.453	0.453		0.0	164	0.00
35	TM	Nitrobenzene	0.440	0.441		-0.2	163	0.00
36	TM	N-Nitrosopiperidine	0.306	0.302		1.3	152	0.00
37	TM	Isophorone	0.735	0.745		-1.4	156	0.00
38	TCM	2-Nitrophenol	0.209	0.205		1.9	159	0.00
39	TM	2,4-Dimethylphenol	0.406	0.404		0.5	160	0.00
40	TM	bis(-2-Chloroethoxy)Methane	0.446	0.435		2.5	158	0.00
41	TM	Benzoic Acid	0.288	0.248		13.9	129	0.02
42	TCM	2,4-Dichlorophenol	0.307	0.308		-0.3	151	0.00
43	TM	a,a-Dimethylphenethylamine	0.919	0.941		-2.4	165	0.02
44	TM	1,2,4-Trichlorobenzene	0.356	0.336		5.6	148	-0.01
45	TM	Naphthalene	1.153	1.101		4.5	154	0.00
46	TM	4-Chloroaniline	0.462	0.415		10.2	145	0.00
47	TM	2,6-Dichlorophenol	0.323	0.313		3.1	152	0.00
48	TCM	Hexachlorobutadiene	0.203	0.205		-1.0	159	-0.01
49	TM	Hexachloropropene	0.233	0.232		0.4	148	-0.01
50	TMC	4-Chloro-3-methylphenol	0.307	0.302		1.6	155	0.01
51	TM	N-N-di-n-butylamine	0.323	0.258		20.1#	150	0.00

1st DM 07/15/19
2nd BA 07/15/19

Data Path : I:\ACQUDATA\5973A\DATA\071219\
Data File : DS875.D
Acq On : 12 Jul 2019 6:39 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 12 07:04:20 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jul 05 09:32:54 2019
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%D	%Dev	Area%	Dev(min)
52	TM	Caprolactam	0.098	0.100		-2.0	158	0.02
53	TM	p-Phenylenediamine	0.181	0.132		27.1#	165	0.00
54	TM	Safrole	0.277	0.247		10.8	142	0.00
55	TM	2-Methylnaphthalene	0.772	0.721		6.6	151	0.00
56	TM	1-Methylnaphthalene	0.729	0.699		4.1	153	0.00
57	IR	d10-Acenaphthene	1.000	1.000		0.0	150	0.00
58	TPM	Hexachlorocyclopentadiene	0.397	0.436		-9.8	152	0.00
59	TM	1,2,4,5-Tetrachlorobenzene	0.601	0.603		-0.3	143	0.00
60	TM	1,2,3,4-Tetrachlorobenzene	0.549	0.595		-8.4	146	0.00
61	TCM	2,4,6-Trichlorophenol	0.395	0.424		-7.3	154	0.00
62	TM	2,4,5-Trichlorophenol	0.414	0.418		-1.0	147	0.01
63	S	SURR5,2-FLUOROBIPHENYL	1.423	1.461		-2.7	153	0.00
64	TM	Isosafrole	0.269	0.279		-3.7	150	0.00
65	TM	1,1'-Biphenyl	1.514	1.558		-2.9	149	0.00
66	TM	2-Chloronaphthalene	1.248	1.264		-1.3	149	0.00
67	TM	2-Nitroaniline	0.367	0.398		-8.4	153	0.00
68	TM	1,4-Naphthoquinone	0.380	0.370		2.6	149	0.00
69	TM	m-Dinitrobenzene	0.217	0.225		-3.7	150	0.00
70	TM	Acenaphthylene	2.071	2.148		-3.7	152	0.00
71	TM	Dimethyl phthalate	1.298	1.298		0.0	151	0.00
72	TM	2,6-Dinitrotoluene	0.287	0.299		-4.2	155	0.00
73	TMC	Acenaphthene	1.436	1.392		3.1	148	0.00
74	TM	3-Nitroaniline	0.324	0.329		-1.5	144	0.00
75	TPM	2,4-Dinitrophenol	0.205	0.191	9.8	~~-6.8~~	131	0.00
76	TM	Dibenzofuran	1.680	1.720		-2.4	151	0.00
77	TM	2,4-Dinitrotoluene	0.407	0.425		-4.4	146	0.00
78	TMP	4-Nitrophenol	0.320	0.348		-8.7	141	0.02
79	TM	Pentachlorobenzene	0.540	0.533		1.3	151	0.00
80	TM	1-Napthylamine	0.675	0.670		0.7	146	0.00
81	TM	2-Napthylamine	1.089	1.029		5.5	146	0.00
82	TM	2,3,4,6-Tetrachlorophenol	0.340	0.348		-2.4	147	0.00
83	TM	Fluorene	1.477	1.418		4.0	147	0.00
84	TM	4-Chlorophenyl-phenylether	0.686	0.639		6.9	144	0.00
85	TM	Diethylphthalate	1.378	1.365		0.9	150	0.00
86	TM	4-Nitroaniline	0.356	0.375		-5.3	149	0.00
87	TM	5-Nitro-o-toluidine	0.390	0.405		-3.8	143	0.00
88	S	SURR3,2,4,6-TRIBROMOPHENOL	0.268	0.249		7.1	145	0.00
89	TM	Sulfotepp	0.231	0.231		0.0	137	-0.01
90	TM	Octachlorocyclopentene	0.260	0.251		3.5	136	0.00
91	IR	d10-Phenanthrene	1.000	1.000		0.0	141	0.00
92	TM	Thionazin	0.122	0.130		-6.6	149	0.00
93	TM	4,6-Dinitro-2-methylphenol	0.169	0.171		-1.2	146	0.00
94	TM	Diphenylamine	0.638	0.603		5.5	146	0.00
95	TM	1,2 Diphenylhydrazine	0.877	0.869		0.9	151	0.00
96	TCM	N-Nitrosodiphenylamine	0.638	0.603		5.5	146	0.00
97	TM	1,3,5-Trinirobenzene	0.152	0.165		-8.6	151	0.01
98	TM	Diallate	0.278	0.271		2.5	151	0.00
99	TM	Phorate	0.141	0.156		-10.6	150	0.00
100	TM	Phenacetin	0.418	0.448		-7.2	146	0.00
101	TM	4-Bromophenyl-phenylether	0.249	0.228		8.4	140	0.00

1st DM 07/15/19
2nd BA 07/15/19

Data Path : I:\ACQUDATA\5973A\DATA\071219\
Data File : DS875.D
Acq On : 12 Jul 2019 6:39 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 12 07:04:20 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jul 05 09:32:54 2019
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%D	%Dev	Area%	Dev(min)
102	TM	Hexachlorobenzene	0.281	0.272	3.2	145		0.00
103	TM	Dimethoate	0.242	0.243	-0.4	167		0.00
104	TM	Atrazine	0.103	0.105	-1.9	167		0.00
105	TCM	Pentachlorophenol	0.186	0.171	8.1	126		0.00
106	TM	4-Aminobiphenyl	0.769	0.745	3.1	136		0.00
107	TM	Pentachloronitrobenzene	0.105	0.112	-6.7	139		0.00
108	TM	Pronamide	0.359	0.402	-12.0	144		0.00
109	TM	Dinoseb	0.223	0.239	-7.2	136		0.00
110	TM	Disulfoton	0.461	0.469	-1.7	143		0.00
111	TM	Phenanthrene	1.218	1.218	0.0	142		0.00
112	TM	Anthracene	1.197	1.191	0.5	139		0.00
113	TM	Carbazole	1.060	1.079	-1.8	142		0.00
114	TM	Di-n-butylphthalate	1.369	1.438	-5.0	139		0.00
115	TM	4-Nitroquinonline-1-oxide	0.123	0.117	4.9	115		0.00
116	TCM	Fluoranthene	1.344	1.353	-0.7	112		0.00
117	IR	d12-Chrysene	1.000	1.000	0.0	109		0.00
118	TM	Methyl Parathion	0.176	0.236	-34.1#	158		0.00
119	TM	Ethyl Parathion	0.160	0.200	-25.0#	141		0.00
120	TM	Methapyrilene	0.196	0.576	-193.9#	360#		0.00
121	TM	Isodrin	0.119	0.130	-9.2	122		0.00
122	TM	Benzidine	0.668	0.566	15.3	83		0.00
123	TM	Pyrene	1.254	1.405	-12.0	111		0.00
124	S	SURR6,TERPHENYL-D14	0.875	0.907	-3.7	108		0.00
125	TM	Aramite	0.082	0.093	-13.4	114		0.05
126	TM	p-(Dimethylamino)azobenzene	0.330	0.389	-17.9	119		0.00
127	TM	Chlorobenzilate	0.420	0.467	-11.2	113		0.00
128	TM	Butyl benzyl phthalate	0.599	0.653	-9.0	112		-0.01
129	TM	3,3-Dimethylbenzidine	0.713	0.767	-7.6	108		0.00
130	TM	2-Acetylaminofluorene	0.445	0.528	-18.7	118		0.00
131	TM	3,3'-Dichlorobenzidine	0.469	0.473	-0.9	107		0.00
132	TM	Benzo(a)anthracene	1.309	1.291	1.4	106		0.00
133	TM	Chrysene	1.258	1.247	0.9	107		0.00
134	TM	bis(2-Ethylhexyl)phthalate	0.814	0.850	-4.4	109		-0.01
135	IR	d12-Perylene	1.000	1.000	0.0	118		0.00
136	TCM	Di-n-octyl phthalate	1.286	1.422	-10.6	117		-0.02
137	TM	7,12-Dimethylbenz(a)anthrac	0.582	0.551	5.3	112		0.00
138	TM	Benzo(b)Fluoranthene	1.335	1.303	2.4	114		0.00
139	TM	Benzo(k)fluoranthene	1.200	1.196	0.3	119		0.00
140	TCM	Benzo(a)pyrene	1.124	1.155	-2.8	114		0.00
141	TM	3-Methylcholanthrene	0.596	0.634	-6.4	115		0.00
142	TM	Indeno(1,2,3-cd)Pyrene	0.994	1.097	-10.4	121		0.00
143	TM	Dibenz(a,h)anthracene	1.060	1.197	-12.9	121		0.00
144	TM	Benzo(g,h,i)perylene	1.024	1.188	-16.0	123		0.02

(#) = Out of Range SPCC's out = 0 CCC's out = 0

1st DM 07/15/19
2nd BA 07/15/19

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Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 12 07:04:20 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jul 05 09:32:54 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.611	152	94429	40.00	ppm	-0.01
33) d8-Naphthalene	5.776	136	357493	40.00	ppm	0.00
57) d10-Acenaphthene	7.474	164	177575	40.00	ppm	0.00
91) d10-Phenanthrene	8.937	188	289884	40.00	ppm	0.00
117) d12-Chrysene	12.094	240	285657	40.00	ppm	0.00
135) d12-Perylene	14.903	264	287270	40.00	ppm	0.00
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.559	112	273378	83.34	ppm	0.00
Spiked Amount 100.000	Range 10 - 70		Recovery = 83.34%#			
12) SURR2,PHENOL-D6	4.285	99	341255	84.76	ppm	0.00
Spiked Amount 100.000	Range 10 - 107		Recovery = 84.76%			
34) SURR4,NITROBENZENE-D5	5.103	82	323716	79.91	ppm	0.00
Spiked Amount 50.000	Range 31 - 110		Recovery = 159.82%#			
63) SURR5,2-FLUOROBIPHENYL	6.817	172	518960	82.17	ppm	0.00
Spiked Amount 50.000	Range 31 - 118		Recovery = 164.34%#			
88) SURR3,2,4,6-TRIBROMOPH...	8.254	330	88486	74.51	ppm	0.00
Spiked Amount 100.000	Range 35 - 141		Recovery = 74.51%			
124) SURR6,TERPHENYL-D14	10.599	244	518047	82.89	ppm	0.00
Spiked Amount 50.000	Range 10 - 165		Recovery = 165.78%#			
Target Compounds						Qvalue
2) Pyridine	2.619	79	315292	86.700	ppm	95
3) N-Nitrosodimethylamine	2.582	74	189041	91.444	ppm	96
4) 2-Picoline	3.142	93	290593	86.106	ppm	99
5) N-Nitrosomethylamine	3.207	42	180205	81.277	ppm	96
6) Methyl Methansulfonate	3.431	80	189150	113.269	ppm	94
8) N-Nitrosodiethylamine	3.735	102	123693	77.166	ppm	96
9) Ethyl Mathanesulfonate	3.960	79	214317	80.679	ppm	99
10) Benzaldehyde	4.243	106	186240	72.702	ppm	92
11) Aniline	4.328	93	419453	86.351	ppm	84
13) Phenol	4.296	94	344323	86.024	ppm	91
14) bis(2-Clethyl)Ether	4.376	93	279079	85.236	ppm	95
15) Pentachloroethane	4.376	117	107893	83.509	ppm	87
16) 2-Chlorophenol	4.435	128	280784	87.303	ppm	95
17) 1,3-Diclbenzene	4.563	146	310732	84.611	ppm	93
18) 1,4-Dichlorobenzene	4.627	146	309646	79.987	ppm	97
19) 1,2-Diclbenzene	4.761	146	301039	82.601	ppm	99
20) Benzyl Alcohol	4.723	79	249928	83.844	ppm	97
21) 1-Methyl-2-pyrrolidinone	4.771	99	173341	93.396	ppm	95
22) 2,2'-oxybis(1-Chloropr...	4.846	45	401095	81.174	ppm	95
23) 2-Methylphenol	4.830	108	249596	85.196	ppm	95
24) 3+4-Methylphenol	4.969	108	287825	87.810	ppm	89
25) Acetophenone	4.964	105	359364	79.257	ppm	100
26) N-Nitroso-Di-n-propyla...	4.969	70	218341	80.300	ppm	92
27) N-Nitrosopyrrolidine	4.953	100	143332	86.080	ppm	99
28) N-Nitrosomorpholine	4.980	56	187324	81.195	ppm	99
29) o-Toluidine	4.996	106	415046	84.188	ppm	70
30) Hexachloroethane	5.060	117	135275	85.907	ppm	90
31) o,o,o-Triethylphosphor...	5.519	198	122876	81.175	ppm	97
32) Alpha-terpinol	5.808	121	86780	78.232	ppm	98
35) Nitrobenzene	5.119	77	315650	80.272	ppm	99
36) N-Nitrosopiperidine	5.257	42	216239	79.175	ppm	96
37) Isophorone	5.343	82	532609	81.066	ppm	97
38) 2-Nitrophenol	5.412	139	146399	78.309	ppm	94

1st DM 07/15/19
2nd BA 07/15/19

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Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 12 07:04:20 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jul 05 09:32:54 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 2,4-Dimethylphenol	5.460	107	288740	79.647	ppm	95
40) bis(-2-Chloroethoxy)Me...	5.541	93	310773	77.899	ppm	97
41) Benzoic Acid	5.541	105	177054m	68.877	ppm	
42) 2,4-Dichlorophenol	5.647	162	220508	80.466	ppm	96
43) a,a-Dimethylphenethyla...	5.813	58	336519m	40.959	ppm	
44) 1,2,4-Trichlorobenzene	5.717	180	240081	75.426	ppm	99
45) Naphthalene	5.797	128	786968	76.344	ppm	98
46) 4-Chloroaniline	5.850	127	296683	71.855	ppm	98
47) 2,6-Dichlorophenol	5.856	162	223924	77.461	ppm	96
48) Hexachlorobutadiene	5.914	225	146310	80.698	ppm	97
49) Hexachloropropene	5.877	213	165965	79.637	ppm	100
50) 4-Chloro-3-methylphenol	6.320	107	215981	78.642	ppm	100
51) N-N-di-n-butylamine	6.171	84	184414	63.838	ppm	96
52) Caprolactam	6.203	113	71594	81.957	ppm	99
53) p-Phenylenediamine	6.197	80	94160	58.120	ppm	97
54) Safrole	6.379	162	176584	71.228	ppm	99
55) 2-Methylnaphthalene	6.459	142	515399	74.671	ppm	97
56) 1-Methylnaphthalene	6.555	142	499789	76.674	ppm	97
58) Hexachlorocyclopentadiene	6.614	237	154685	87.703	ppm	92
59) 1,2,4,5-Tetrachloroben...	6.625	216	214010	80.247	ppm	95
60) 1,2,3,4-Tetrachloroben...	6.897	216	211241	86.611	ppm	99
61) 2,4,6-Trichlorophenol	6.737	196	150542	85.918	ppm	98
62) 2,4,5-Trichlorophenol	6.780	196	148348	80.758	ppm	98
64) Isosafrole	6.881	104	99099	83.025	ppm	85
65) 1,1'-Biphenyl	6.913	154	553266	82.312	ppm	97
66) 2-Chloronaphthalene	6.935	162	448880	81.038	ppm	98
67) 2-Nitroaniline	7.031	65	141514	86.836	ppm	99
68) 1,4-Naphthoquinone	7.105	158	131556	77.911	ppm	95
69) m-Dinitrobenzene	7.244	168	79899	82.818	ppm	89
70) Acenaphthylene	7.335	152	762894	82.959	ppm	100
71) Dimethyl phthalate	7.223	163	461127	80.024	ppm	100
72) 2,6-Dinitrotoluene	7.271	165	106119	83.213	ppm	94
73) Acenaphthene	7.511	153	494359	77.537	ppm	93
74) 3-Nitroaniline	7.437	138	116850	81.136	ppm	93
75) 2,4-Dinitrophenol	7.543	184	67977	72.198	ppm	99
76) Dibenzofuran	7.677	168	610689	81.883	ppm	100
77) 2,4-Dinitrotoluene	7.672	165	151029	83.681	ppm	96
78) 4-Nitrophenol	7.613	65	123733	87.004	ppm	95
79) Pentachlorobenzene	7.640	250	189145	78.953	ppm	94
80) 1-Napthylamine	7.757	143	237960	79.456	ppm	94
81) 2-Napthylamine	7.837	143	365493	75.579	ppm	97
82) 2,3,4,6-Tetrachlorophenol	7.800	232	123570	81.859	ppm	93
83) Fluorene	8.013	166	503765	76.831	ppm	100
84) 4-Chlorophenyl-phenyle...	8.019	204	227112	74.587	ppm	99
85) Diethylphthalate	7.917	149	484698	79.225	ppm	98
86) 4-Nitroaniline	8.040	138	133172	84.330	ppm	95
87) 5-Nitro-o-toluidine	8.029	152	143946	83.094	ppm	88
89) Sulfotepp	8.302	322	81869	79.994	ppm	73
90) Octachlorocyclopentene	8.264	307	89320	77.455	ppm	93
92) Thionazin	7.997	107	75345	85.157	ppm	91
93) 4,6-Dinitro-2-methylph...	8.072	198	99027	80.999	ppm	94
94) Diphenylamine	8.136	169	699098	151.115	ppm	99
95) 1,2 Diphenylhydrazine	8.174	77	503875	79.320	ppm	96
96) N-Nitrosodiphenylamine	8.136	169	699098	151.114	ppm	99
97) 1,3,5-Trinirobenzene	8.403	74	95884m	87.062	ppm	
98) Diallate	8.425	86	157058	78.031	ppm	98

1st DM 07/15/19
2nd BA 07/15/19

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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
99)	Phorate	8.435	121	90476	88.455	ppm		95
100)	Phenacetin	8.457	108	260003	85.830	ppm		99
101)	4-Bromophenyl-phenylether	8.499	248	132127	73.305	ppm		94
102)	Hexachlorobenzene	8.558	284	157952	77.553	ppm		98
103)	Dimethoate	8.601	87	141075	80.594	ppm		94
104)	Atrazine	8.670	215	61060	82.197	ppm	#	84
105)	Pentachlorophenol	8.756	266	99079	73.369	ppm		92
106)	4-Aminobiphenyl	8.756	169	431856	77.483	ppm		98
107)	Pentachloronitrobenzene	8.767	237	64710	84.686	ppm		94
108)	Pronamide	8.825	173	233319	89.649	ppm		99
109)	Dinoseb	8.937	211	138828	85.949	ppm		95
110)	Disulfoton	8.948	88	271784	81.402	ppm		98
111)	Phenanthrene	8.964	178	706046	80.005	ppm		98
112)	Anthracene	9.012	178	690526	79.627	ppm		99
113)	Carbazole	9.172	167	625334	81.379	ppm		99
114)	Di-n-butylphthalate	9.530	149	833658	84.013	ppm		98
115)	4-Nitroquinonline-1-oxide	9.728	190	67773	75.987	ppm		91
116)	Fluoranthene	10.155	202	784679	80.544	ppm		99
118)	Methyl Parathion	9.311	109	134662	106.911	ppm		99
119)	Ethyl Parathion	9.701	97	114394	100.425	ppm		96
120)	Methapyrilene	9.813	58	329010	234.504	ppm		89
121)	Isodrin	9.995	193	74183	87.493	ppm		92
122)	Benzidine	10.310	184	323356	67.782	ppm		99
123)	Pyrene	10.406	202	802708	89.666	ppm		98
125)	Aramite	10.679	185	53402m	90.807	ppm		
126)	p-(Dimethylamino)azobe...	10.775	120	222123	94.306	ppm		94
127)	Chlorobenzilate	10.839	139	267022	88.935	ppm		98
128)	Butyl benzyl phthalate	11.255	149	373344	87.266	ppm		88
129)	3,3-Dimethylbenzidine	11.223	212	438029	86.023	ppm		98
130)	2-Acetylaminofluorene	11.592	181	301855	94.917	ppm		96
131)	3,3'-Dichlorobenzidine	12.057	252	270318	80.757	ppm		98
132)	Benzo(a)anthracene	12.078	228	737482	78.883	ppm		98
133)	Chrysene	12.137	228	712277	79.254	ppm		97
134)	bis(2-Ethylhexyl)phtha...	12.222	149	485407	83.475	ppm		98
136)	Di-n-octyl phthalate	13.499	149	817278	88.479	ppm		93
137)	7,12-Dimethylbenz(a)an...	14.124	256	316585	75.695	ppm		98
138)	Benzo(b)Fluoranthene	14.118	252	748910	78.087	ppm		96
139)	Benzo(k)fluoranthene	14.177	252	687290	79.758	ppm		97
140)	Benzo(a)pyrene	14.786	252	663667	82.203	ppm		98
141)	3-Methylcholanthrene	15.582	268	364472	85.172	ppm		94
142)	Indeno(1,2,3-cd)Pyrene	16.912	276	630169	88.236	ppm		99
143)	Dibenz(a,h)anthracene	16.970	278	687888	90.395	ppm		97
144)	Benzo(g,h,i)perylene	17.339	276	682652	92.868	ppm		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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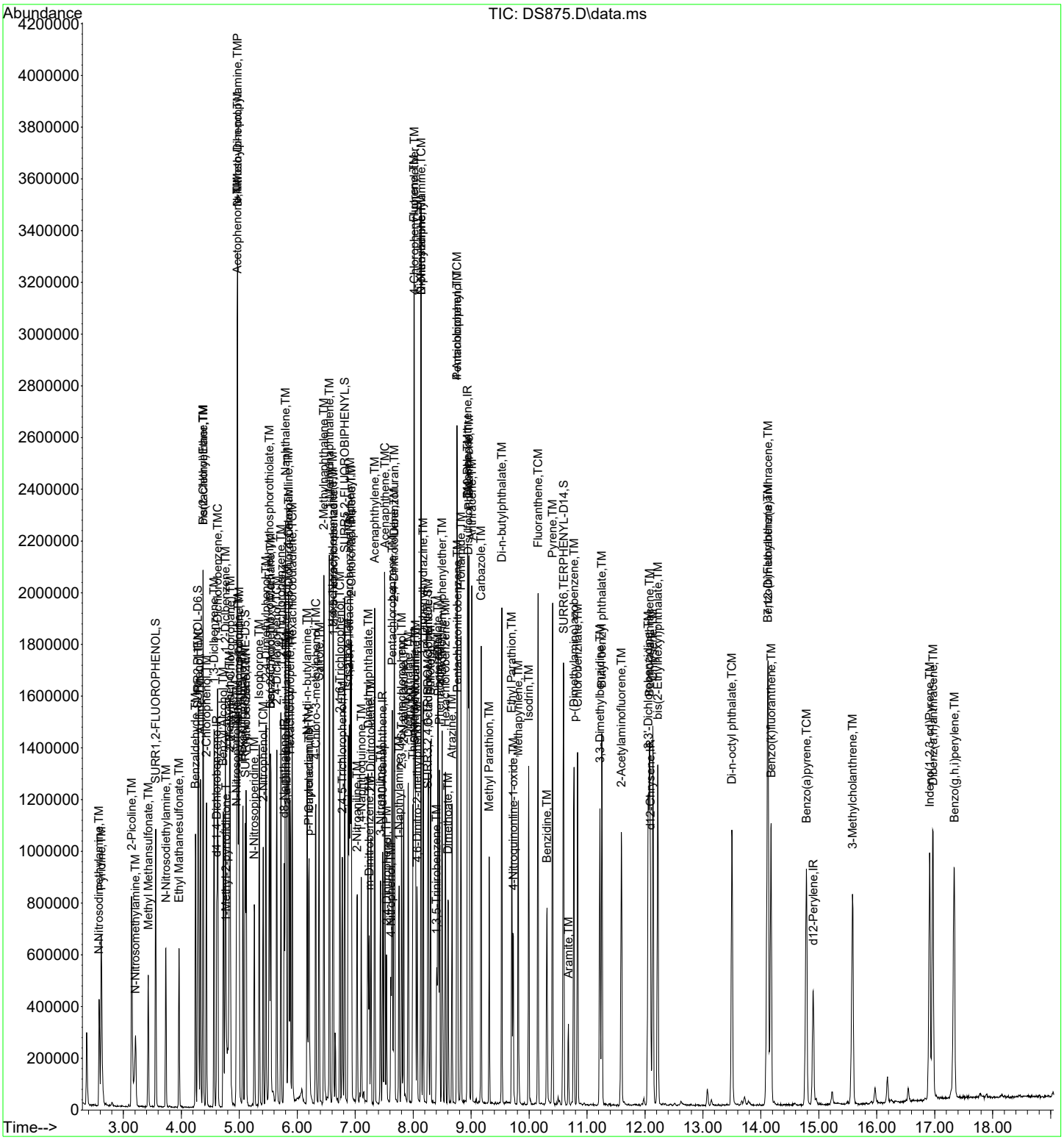
Data Path : I:\ACQUDATA\5973A\DATA\071219\
Data File : DS875.D
Acq On : 12 Jul 2019 6:39 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D
ALS Vial : 3 Sample Multiplier: 1

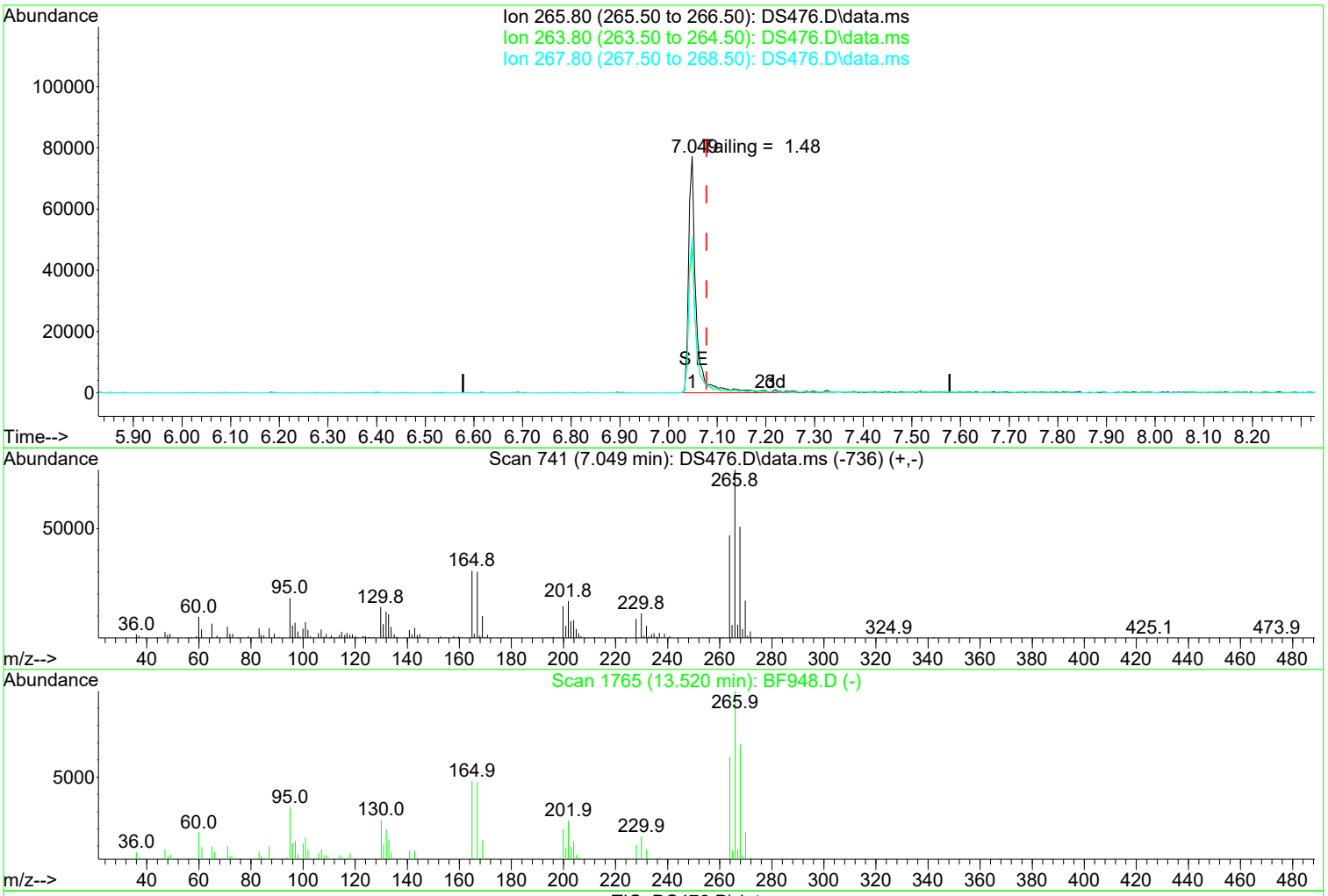
Quant Time: Jul 12 07:04:20 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jul 05 09:32:54 2019
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\061819\
Data File : DS476.D
Acq On : 18 Jun 2019 1:32 pm
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 18 13:51:55 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Thu May 16 07:28:58 2019
Response via : Initial Calibration



TIC: DS476.D\data.ms

(5) Pentachlorophenol (TCM)

7.049min (-0.030) 76.61 ppm

response 83275

Ion	Exp%	Act%
265.80	100.00	100.00
263.80	63.50	60.92
267.80	64.20	66.07
0.00	0.00	0.00

Manual Integration:

After

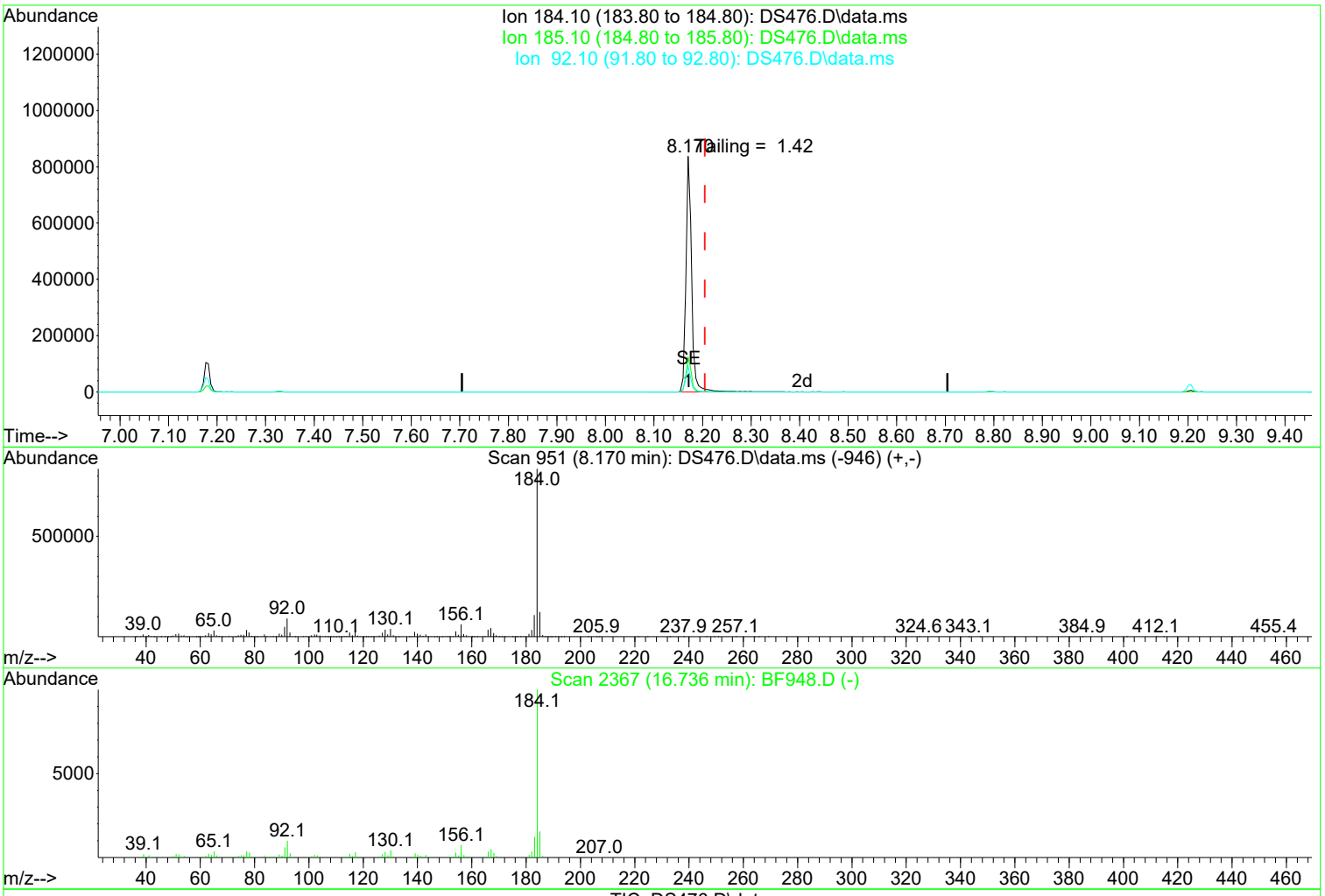
Other - Tailing

06/19/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\061819\
Data File : DS476.D
Acq On : 18 Jun 2019 1:32 pm
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 18 13:51:55 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Thu May 16 07:28:58 2019
Response via : Initial Calibration



TIC: DS476.D\data.ms

(8) Benzidine (T)

8.170min (-0.035) 46.58 ppm

response 699058

Ion	Exp%	Act%
184.10	100.00	100.00
185.10	14.80	14.64
92.10	10.10	10.85
0.00	0.00	0.00

Manual Integration:

After

Other - Tailing

06/19/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\061819\
Data File : DS476.D
Acq On : 18 Jun 2019 1:32 pm
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 18 13:51:55 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Thu May 16 07:28:58 2019
Response via : Initial Calibration

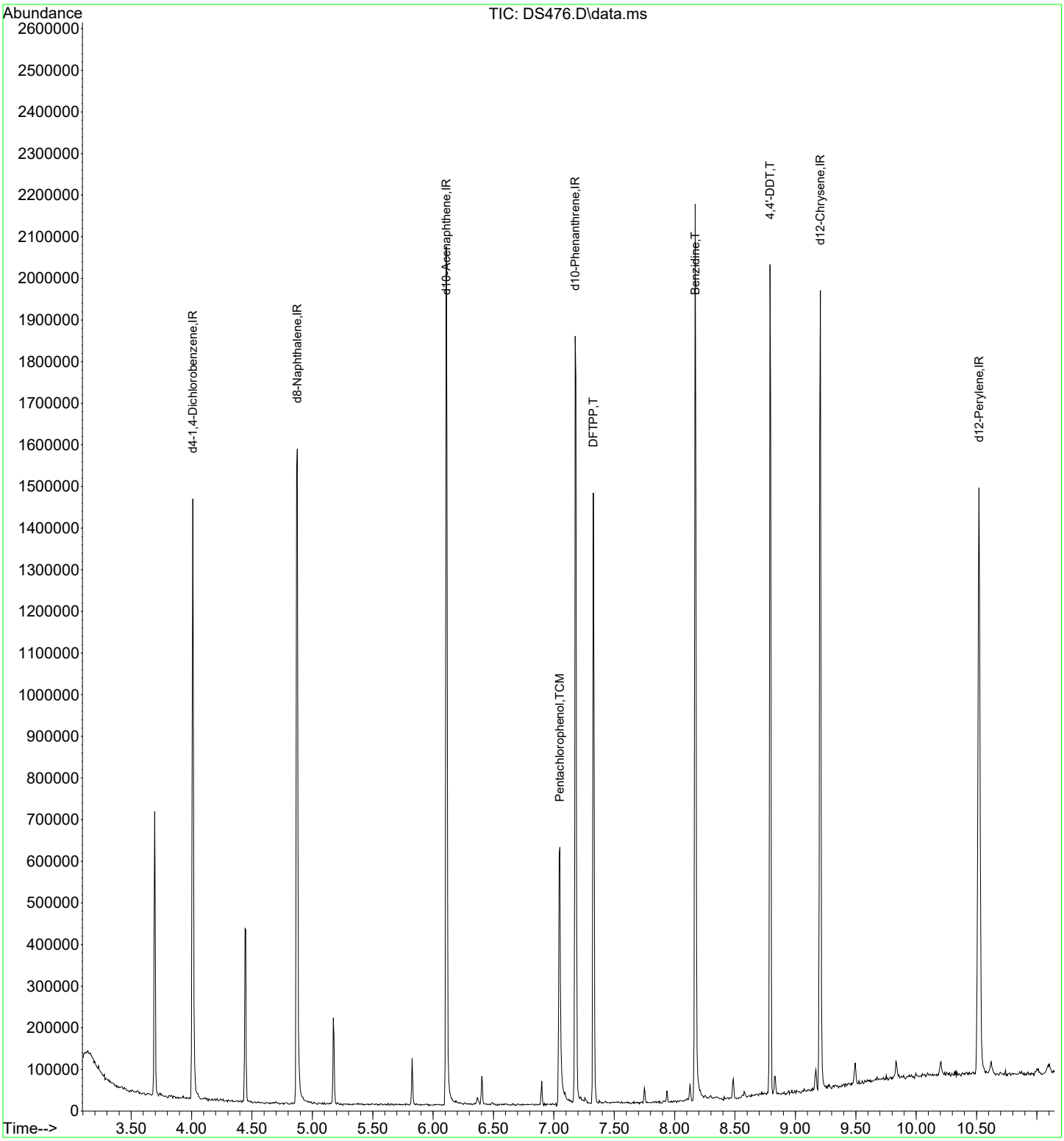
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.010	152	198584	40.00	ppm		-0.04
2) d8-Naphthalene	4.875	136	743711	40.00	ppm		-0.03
3) d10-Acenaphthene	6.109	164	372523	40.00	ppm		-0.04
4) d10-Phenanthrene	7.177	188	593358	40.00	ppm		-0.04
7) d12-Chrysene	9.207	240	553016	40.00	ppm		-0.02
12) d12-Perylene	10.520	264	582897	40.00	ppm		-0.02
Target Compounds							Qvalue
5) Pentachlorophenol	7.049	266	83275	76.606	ppm		97
6) DFTPP	7.326	198	111019	47.967	ppm	#	68
8) Benzidine	8.170	184	699058	46.580	ppm		99
9) 4,4'-DDE	7.326	246	1450	N.D.			
10) 4,4'-DDD	8.576	235	2297	N.D.			
11) 4,4'-DDT	8.790	235	282598	47.485	ppm		93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st 06/19/19
2nd 06/19/19

Data Path : I:\ACQUDATA\5973A\DATA\061819\
Data File : DS476.D
Acq On : 18 Jun 2019 1:32 pm
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 18 13:51:55 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Thu May 16 07:28:58 2019
Response via : Initial Calibration

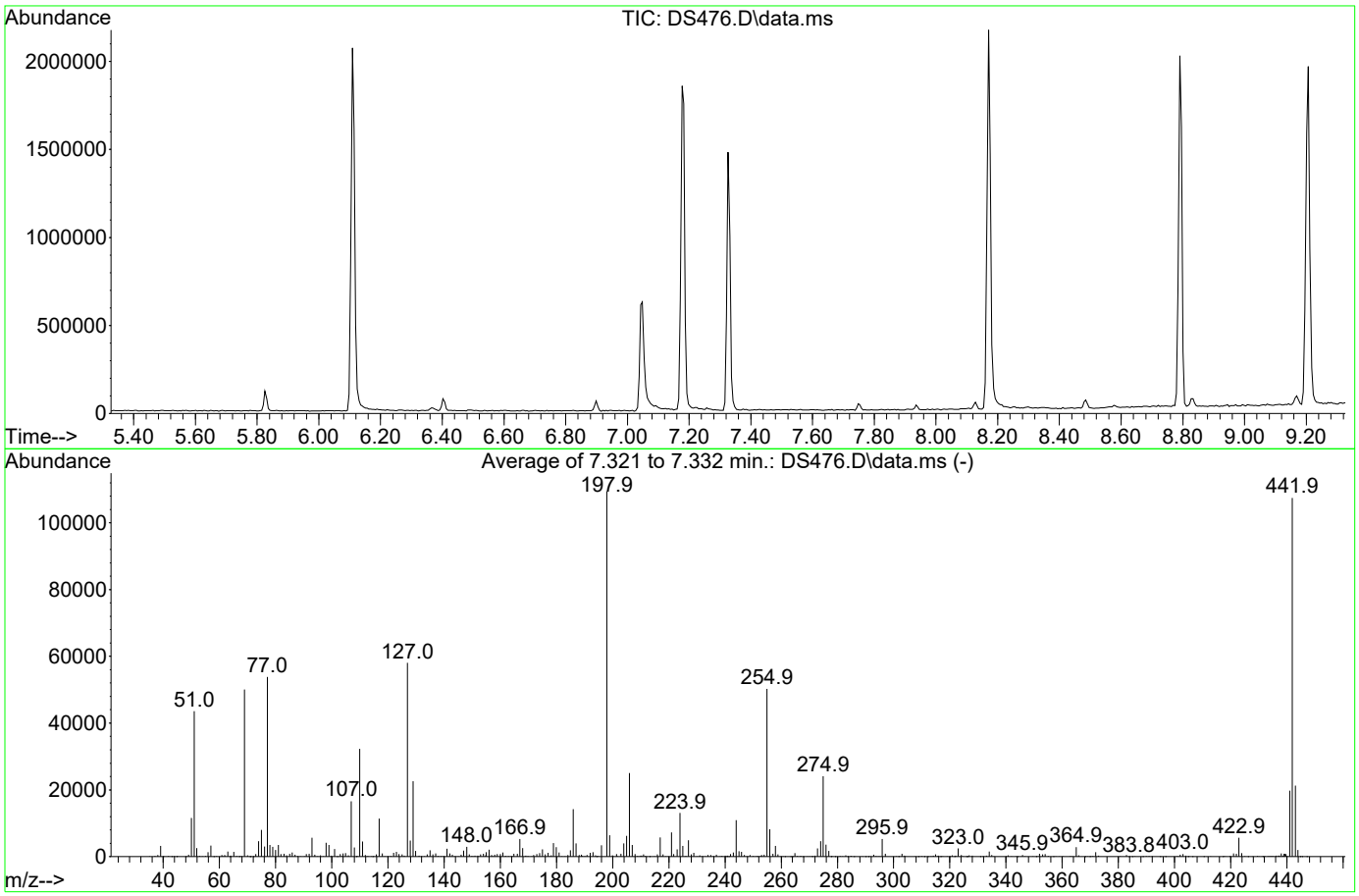


1st 06/25/19
2nd 06/25/19

Data Path : I:\ACQUDATA\5973A\DATA\061819\
Data File : DS476.D
Acq On : 18 Jun 2019 1:32 pm
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\5973A\METHODS\TUNCHECK.M
Title : TUNE CHECK
Last Update : Wed Oct 03 16:33:08 2012



AutoFind: Scans 792, 793, 794; Background Corrected with Scan 788

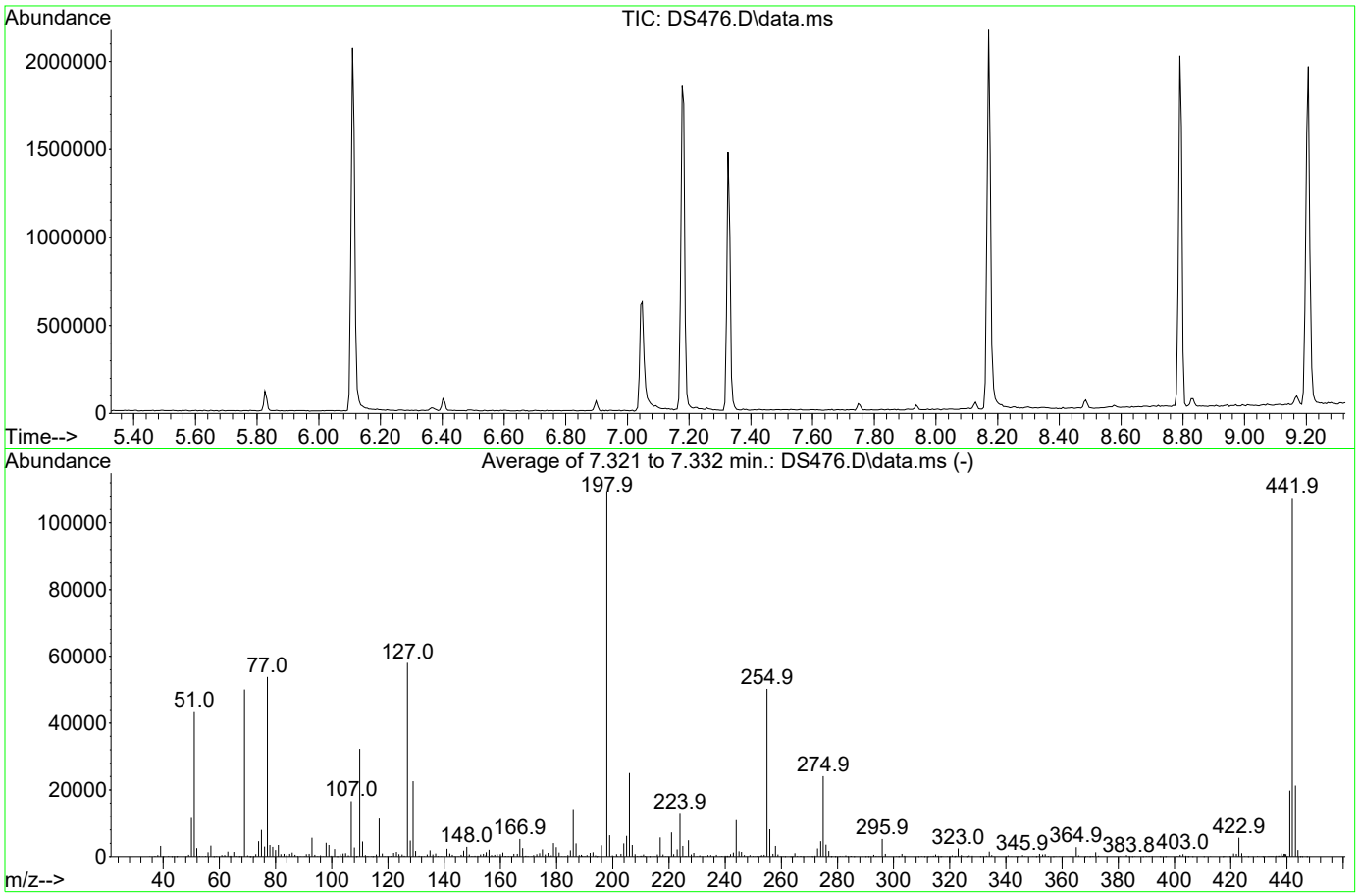
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	39.8	43537	PASS
68	69	0.00	2	0.4	184	PASS
69	198	0.00	100	45.7	50064	PASS
70	69	0.00	2	0.8	418	PASS
127	198	40	60	53.0	58042	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	109437	PASS
199	198	5	9	5.9	6406	PASS
275	198	10	30	22.1	24131	PASS
365	198	1	500	2.6	2825	PASS
441	443	0.01	100	92.8	19758	PASS
442	198	50	500	98.2	107491	PASS
443	442	17	23	19.8	21301	PASS

1st 06/19/19
2nd 06/19/19

Data Path : I:\ACQUDATA\5973A\DATA\061819\
Data File : DS476.D
Acq On : 18 Jun 2019 1:32 pm
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Title : TUNE CHECK
Last Update : Thu May 16 07:28:58 2019



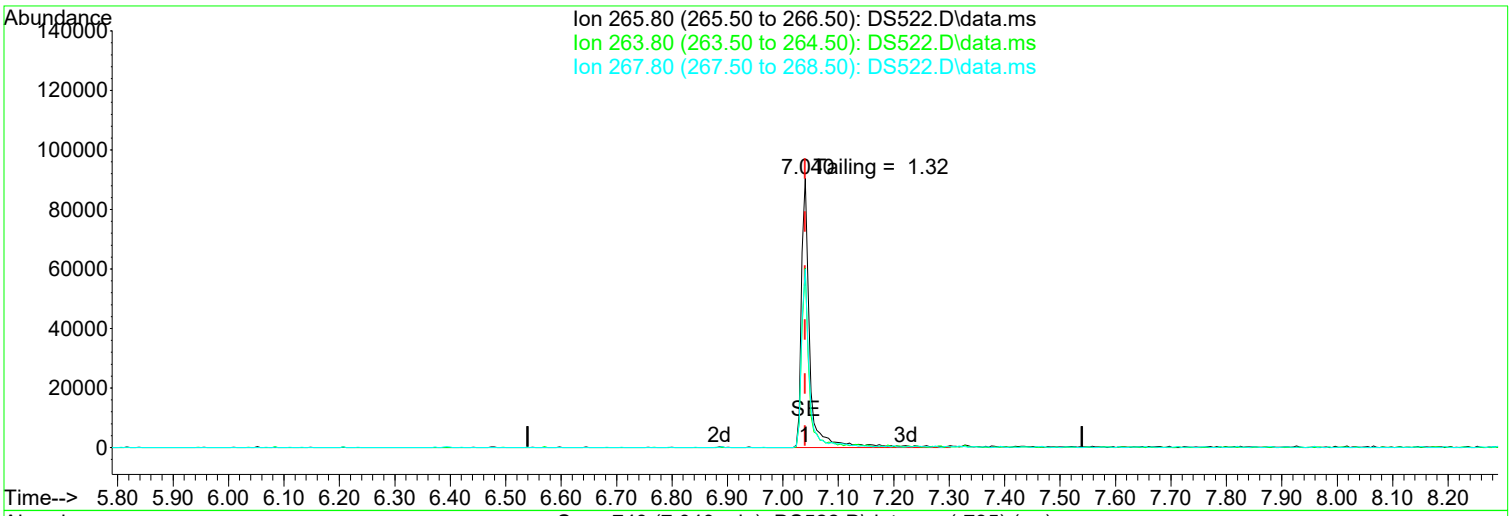
AutoFind: Scans 792, 793, 794; Background Corrected with Scan 788

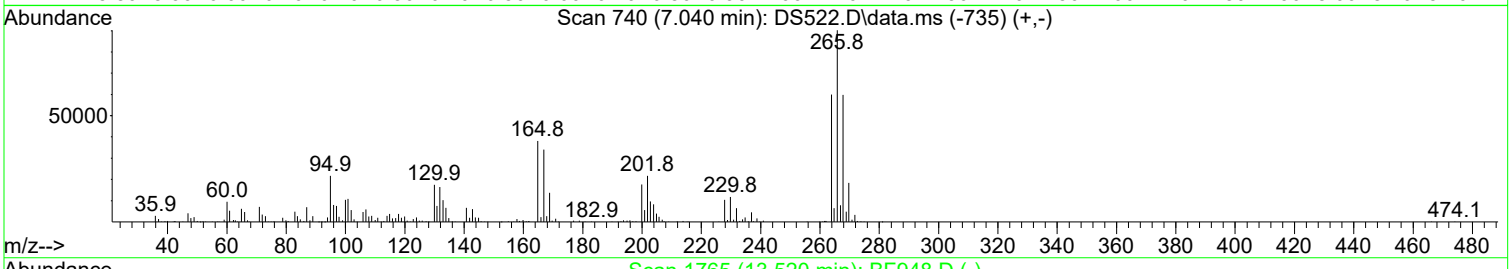
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	39.8	43537	PASS
68	69	0.00	2	0.4	184	PASS
69	198	0.00	100	45.7	50064	PASS
70	69	0.00	2	0.8	418	PASS
127	198	10	80	53.0	58042	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	109437	PASS
199	198	5	9	5.9	6406	PASS
275	198	10	60	22.1	24131	PASS
365	198	1	500	2.6	2825	PASS
441	442	0.01	24	18.4	19758	PASS
442	442	100	100	100.0	107491	PASS
443	442	15	24	19.8	21301	PASS

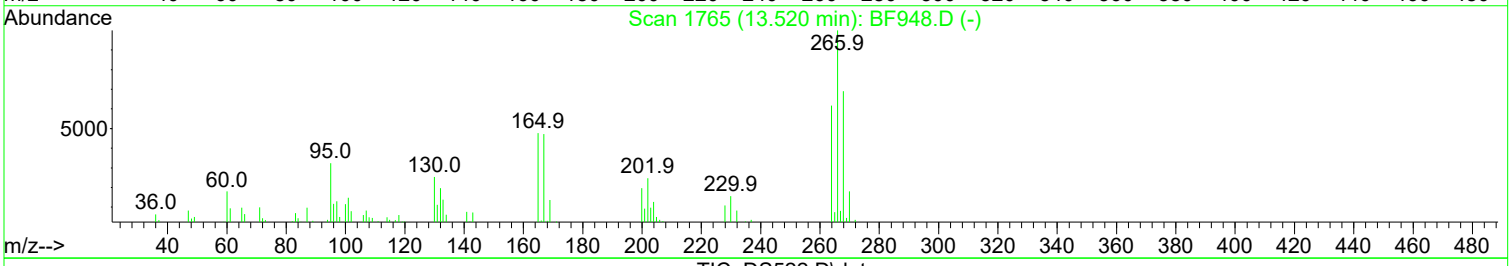
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\061919\
Data File : DS522.D
Acq On : 19 Jun 2019 1:47 pm
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 24 09:09:04 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Mon Jun 24 09:08:57 2019
Response via : Initial Calibration







TIC: DS522.D\data.ms

(5) Pentachlorophenol (TCM)

7.040min (0.000) 78.64 ppm

response 93566

Ion	Exp%	Act%
265.80	100.00	100.00
263.80	63.50	66.51
267.80	64.20	66.27
0.00	0.00	0.00

Manual Integration:

After

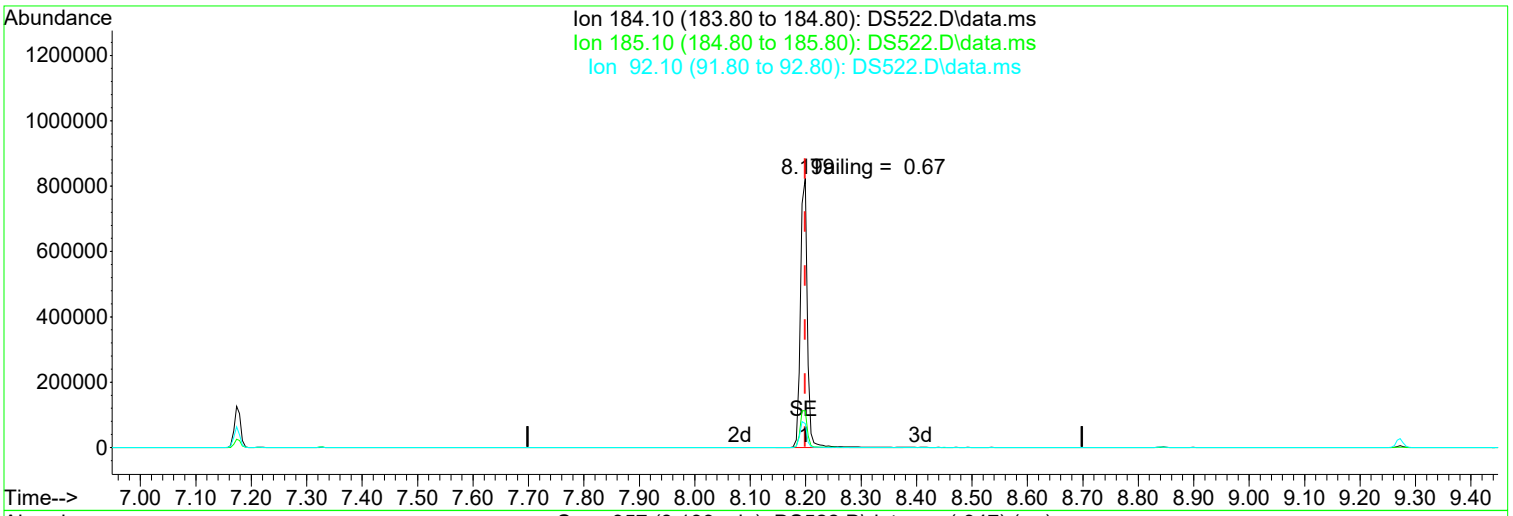
Other - tAILING

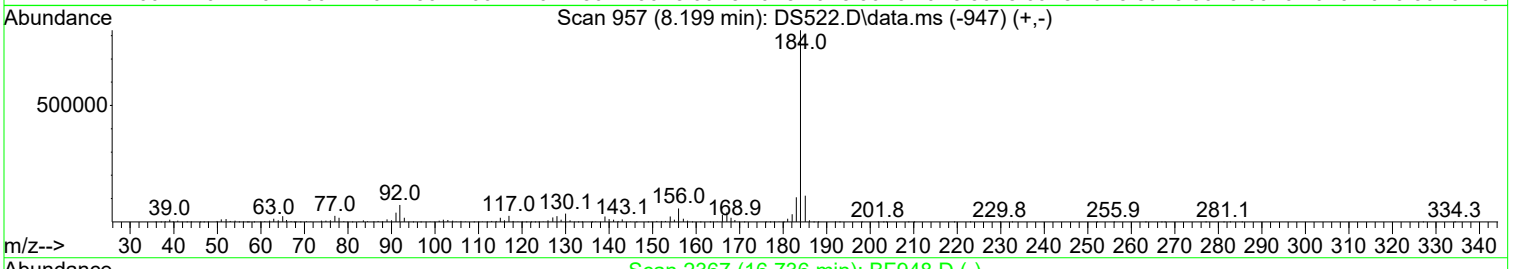
06/24/19

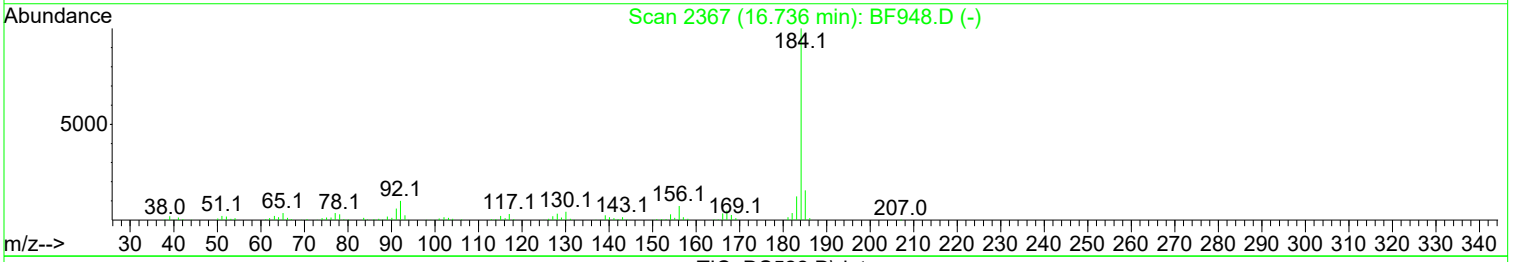
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\061919\
Data File : DS522.D
Acq On : 19 Jun 2019 1:47 pm
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 24 09:09:04 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Mon Jun 24 09:08:57 2019
Response via : Initial Calibration







TIC: DS522.D\data.ms

(8) Benzidine (T)

8.199min (0.000) 42.66 ppm

response 705162

Ion	Exp%	Act%
184.10	100.00	100.00
185.10	14.80	13.73
92.10	10.10	8.88
0.00	0.00	0.00

Manual Integration:

After

Other - Tailing

06/24/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\061919\
Data File : DS522.D
Acq On : 19 Jun 2019 1:47 pm
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 24 09:09:04 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Mon Jun 24 09:08:57 2019
Response via : Initial Calibration

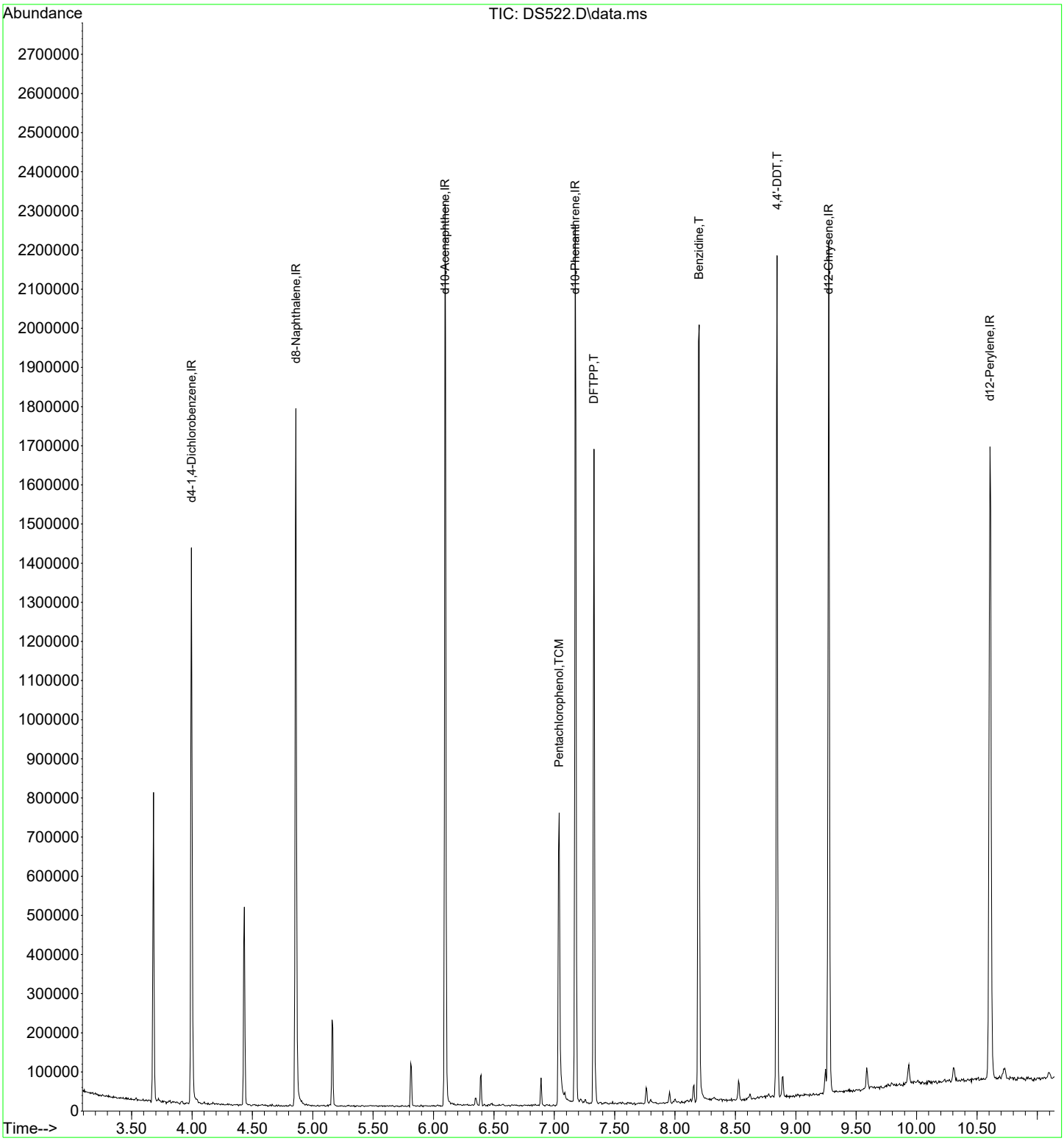
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	3.995	152	192747	40.00	ppm	0.00
2) d8-Naphthalene	4.861	136	740682	40.00	ppm	0.00
3) d10-Acenaphthene	6.095	164	399672	40.00	ppm	0.00
4) d10-Phenanthrene	7.173	188	649441	40.00	ppm	0.00
7) d12-Chrysene	9.272	240	609100	40.00	ppm	0.00
12) d12-Perylene	10.608	264	647394	40.00	ppm	0.00
Target Compounds						Qvalue
5) Pentachlorophenol	7.040	266	93566	78.640	ppm	97
6) DFTPP	7.328	198	117956	46.563	ppm	80
8) Benzidine	8.199	184	705162	42.661	ppm	97
9) 4,4'-DDE	7.328	246	2464	N.D.		
10) 4,4'-DDD	8.626	235	2040	N.D.		
11) 4,4'-DDT	8.845	235	315138	48.077	ppm	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st 06/24/19
2nd 06/24/19

Data Path : I:\ACQUDATA\5973A\DATA\061919\
Data File : DS522.D
Acq On : 19 Jun 2019 1:47 pm
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 24 09:09:04 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Mon Jun 24 09:08:57 2019
Response via : Initial Calibration

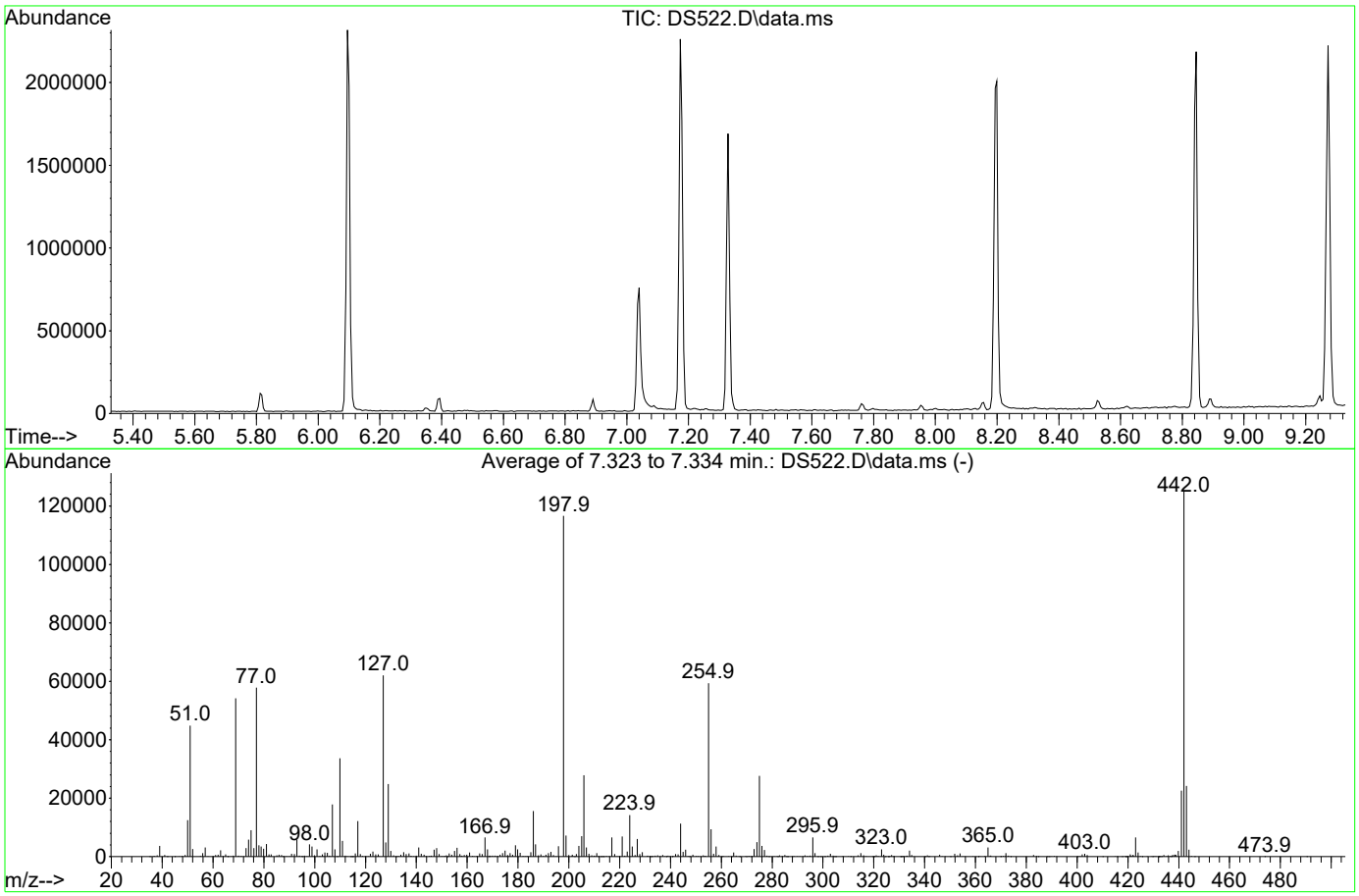


1st 06/24/19
2nd 06/24/19

Data Path : I:\ACQUDATA\5973A\DATA\061919\
Data File : DS522.D
Acq On : 19 Jun 2019 1:47 pm
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Title : TUNE CHECK
Last Update : Mon Jun 24 09:08:57 2019



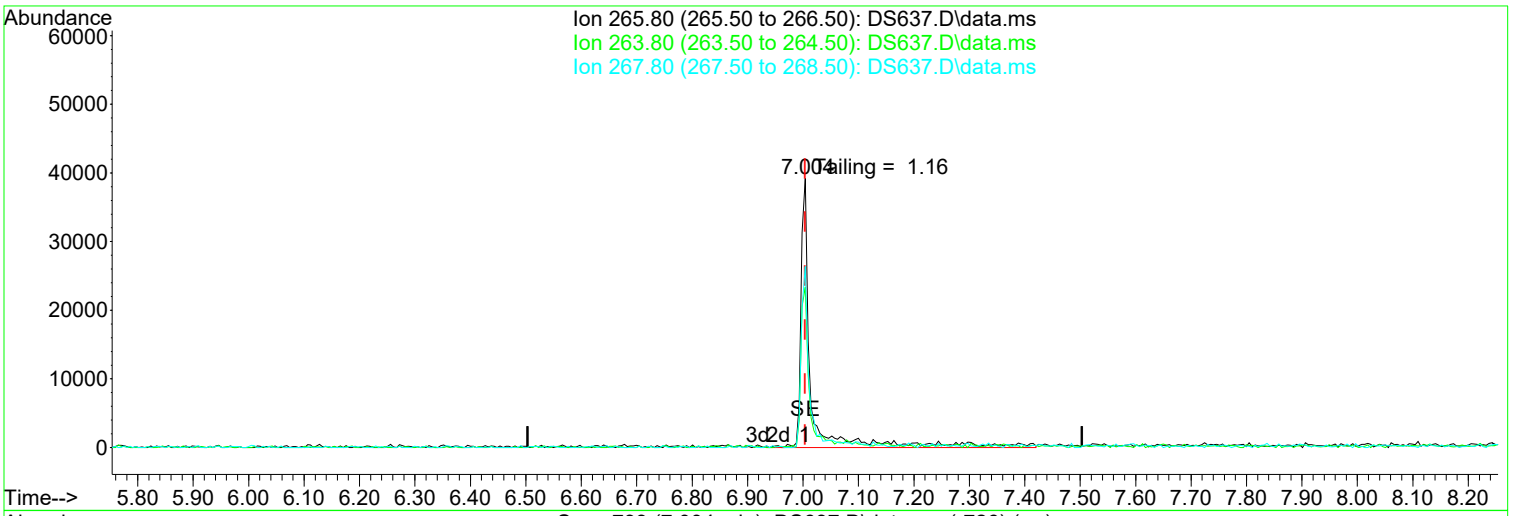
AutoFind: Scans 793, 794, 795; Background Corrected with Scan 788

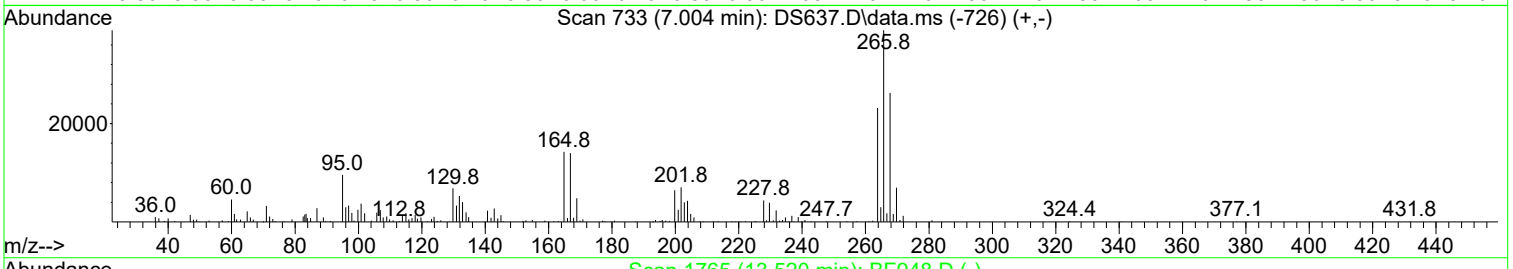
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	38.4	44827	PASS
68	69	0.00	2	0.7	369	PASS
69	198	0.00	100	46.4	54122	PASS
70	69	0.00	2	0.7	366	PASS
127	198	10	80	53.2	62008	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	116651	PASS
199	198	5	9	6.2	7242	PASS
275	198	10	60	23.7	27640	PASS
365	198	1	500	2.7	3153	PASS
441	442	0.01	24	18.1	22579	PASS
442	442	100	100	100.0	124984	PASS
443	442	15	24	19.4	24202	PASS

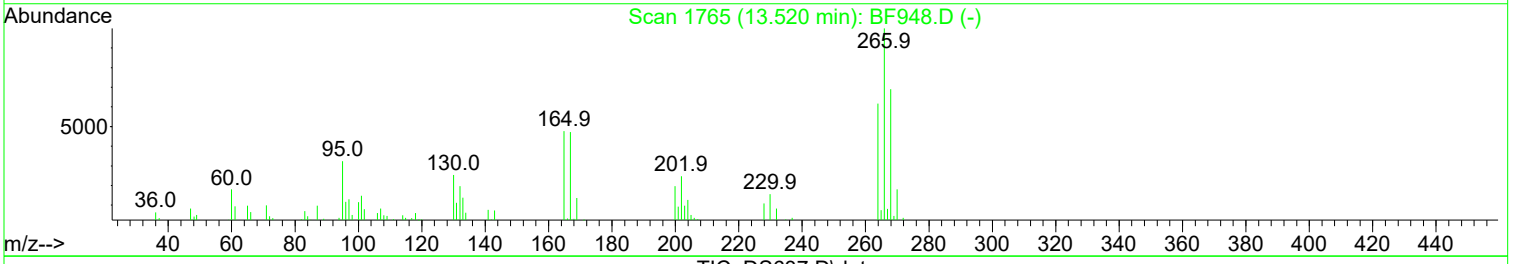
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\062419\
Data File : DS637.D
Acq On : 24 Jun 2019 3:12 pm
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 26 10:36:11 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Wed Jun 26 10:36:06 2019
Response via : Initial Calibration







TIC: DS637.D\data.ms

(5) Pentachlorophenol (TCM)

7.004min (0.000) 51.17 ppm

response 41047

Ion	Exp%	Act%
265.80	100.00	100.00
263.80	63.50	59.32
267.80	64.20	67.37
0.00	0.00	0.00

Manual Integration:

After

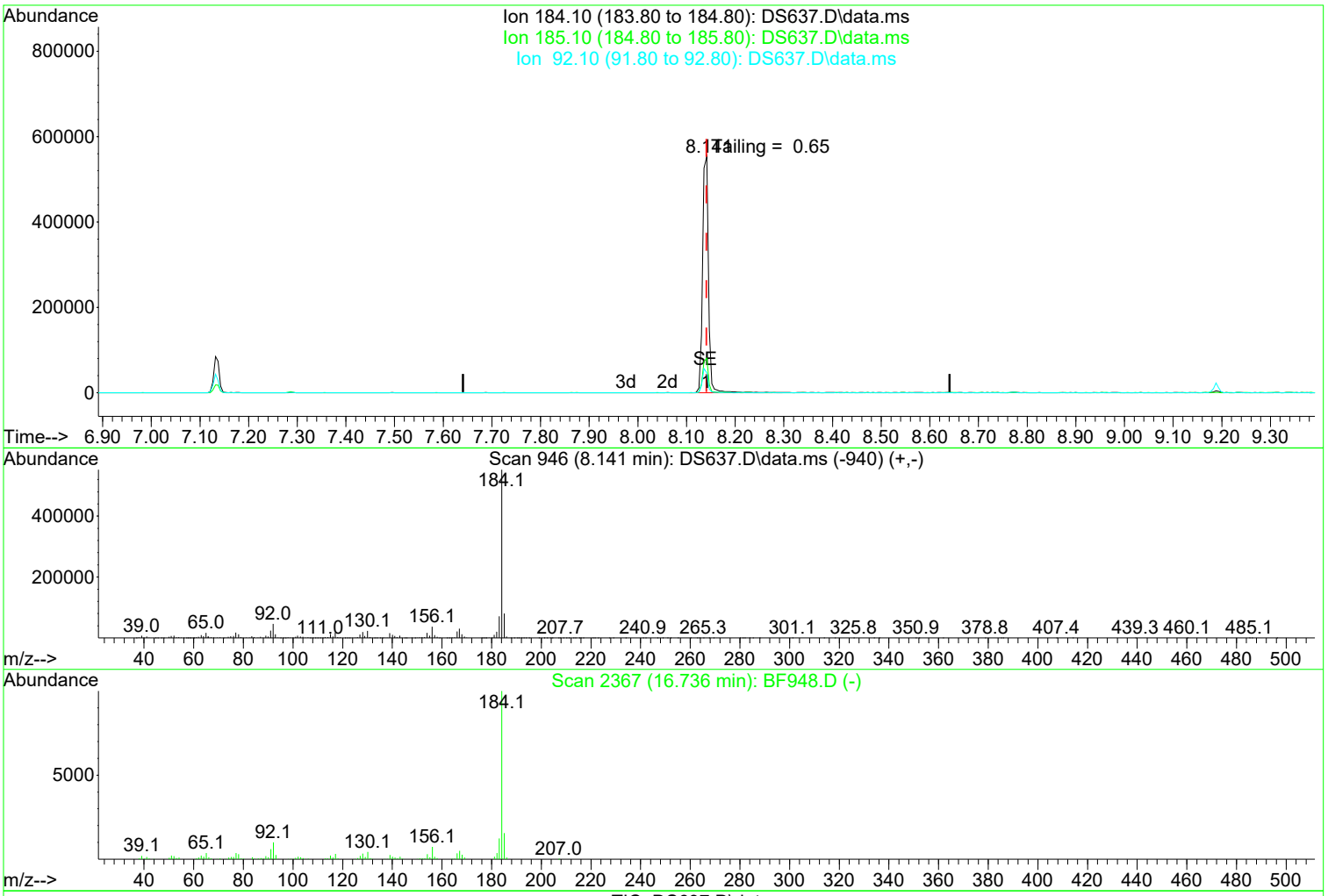
Other - Tailing

06/26/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\062419\
Data File : DS637.D
Acq On : 24 Jun 2019 3:12 pm
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 26 10:36:11 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Wed Jun 26 10:36:06 2019
Response via : Initial Calibration



TIC: DS637.D\data.ms

(8) Benzidine (T)

8.141min (0.000) 41.51 ppm

response 458849

Ion	Exp%	Act%
184.10	100.00	100.00
185.10	14.80	14.59
92.10	10.10	8.36
0.00	0.00	0.00

Manual Integration:

After

Other - Tailing

06/26/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\062419\
Data File : DS637.D
Acq On : 24 Jun 2019 3:12 pm
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 26 10:36:11 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Wed Jun 26 10:36:06 2019
Response via : Initial Calibration

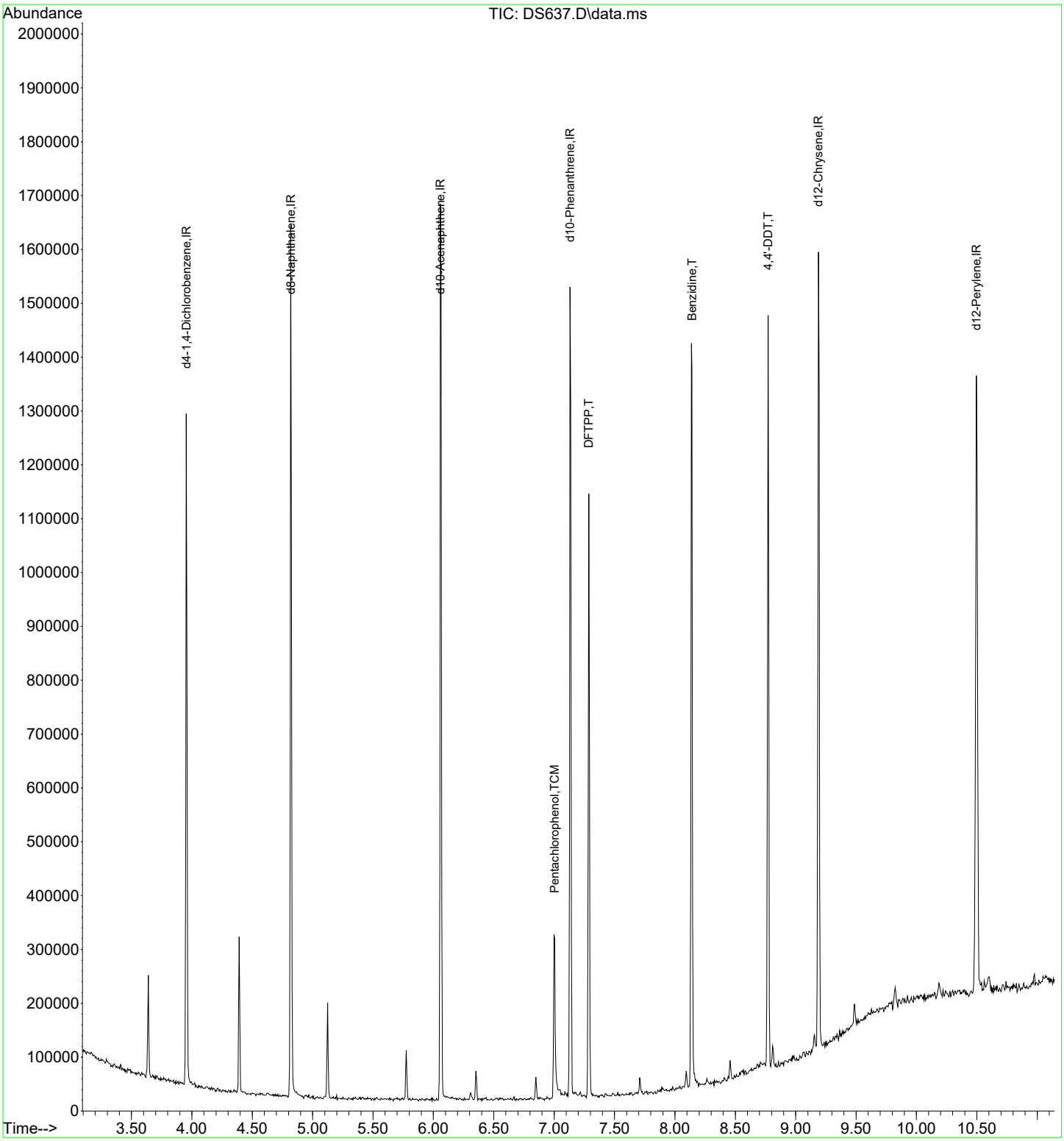
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	3.954	152	155854	40.00	ppm		0.00
2) d8-Naphthalene	4.819	136	573674	40.00	ppm		0.00
3) d10-Acenaphthene	6.058	164	282085	40.00	ppm		0.00
4) d10-Phenanthrene	7.132	188	437826	40.00	ppm		0.00
7) d12-Chrysene	9.188	240	407284	40.00	ppm		0.00
12) d12-Perylene	10.497	264	426743	40.00	ppm		0.00
Target Compounds							Qvalue
5) Pentachlorophenol	7.004	266	41047	51.174	ppm		95
6) DFTPP	7.287	198	76807	44.974	ppm	#	70
8) Benzidine	8.141	184	458849	41.515	ppm		98
9) 4,4'-DDE	7.287	246	1620	N.D.			
10) 4,4'-DDD	0.000		0	N.D.	d		
11) 4,4'-DDT	8.772	235	187554	42.791	ppm		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st DM 06/26/19
2nd BA 06/26/19

Data Path : I:\ACQUDATA\5973A\DATA\062419\
Data File : DS637.D
Acq On : 24 Jun 2019 3:12 pm
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 26 10:36:11 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Wed Jun 26 10:36:06 2019
Response via : Initial Calibration

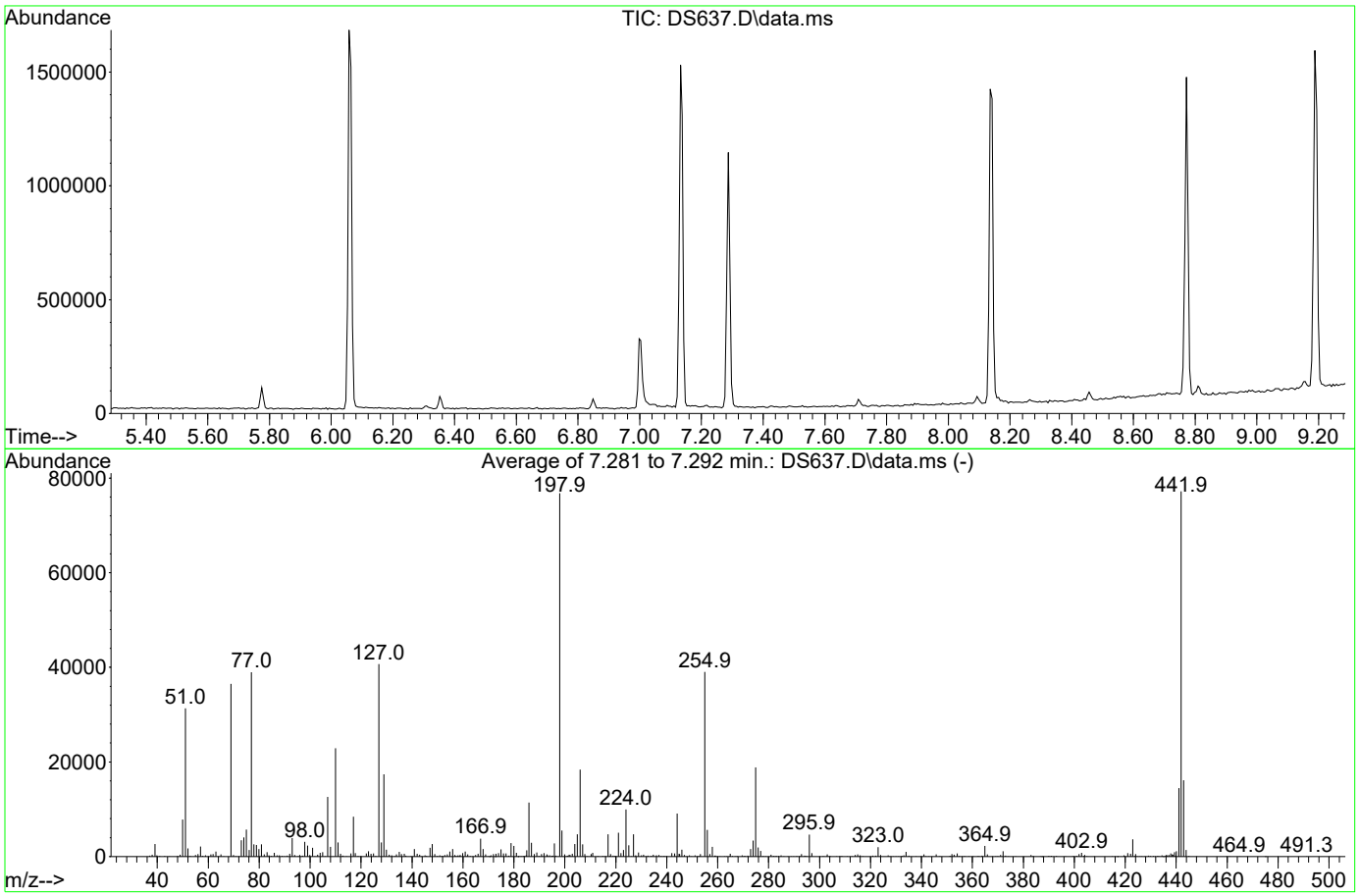


1st DM 06/26/19
2nd BA 06/26/19

Data Path : I:\ACQUDATA\5973A\DATA\062419\
Data File : DS637.D
Acq On : 24 Jun 2019 3:12 pm
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Title : TUNE CHECK
Last Update : Wed Jun 26 10:36:06 2019



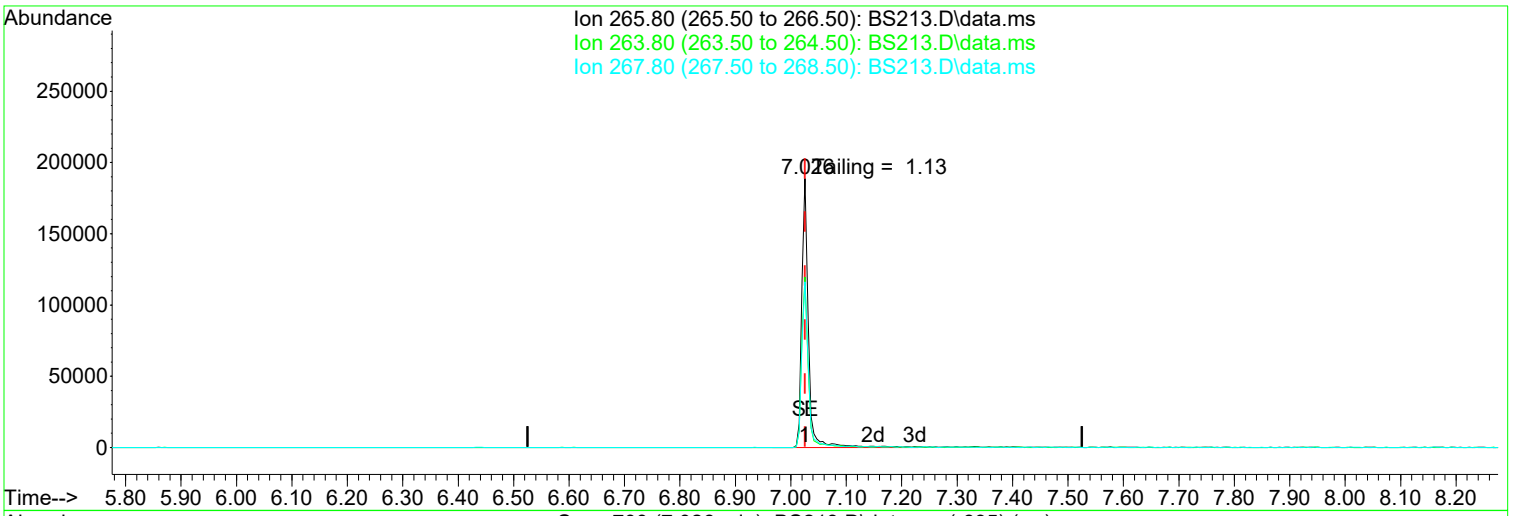
AutoFind: Scans 785, 786, 787; Background Corrected with Scan 779

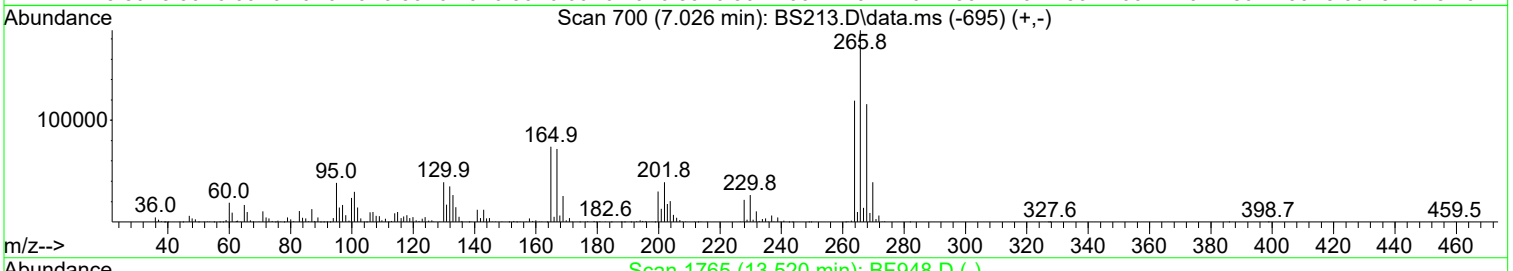
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	40.8	31362	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	47.5	36477	PASS
70	69	0.00	2	1.0	366	PASS
127	198	10	80	53.0	40681	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	76821	PASS
199	198	5	9	7.2	5533	PASS
275	198	10	60	24.5	18834	PASS
365	198	1	500	3.0	2283	PASS
441	442	0.01	24	18.8	14481	PASS
442	442	100	100	100.0	77179	PASS
443	442	15	24	20.9	16134	PASS

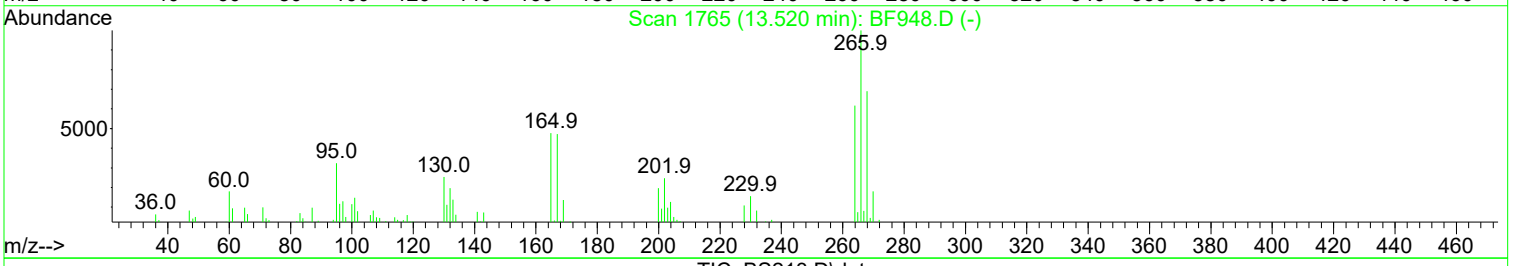
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\062819\
Data File : BS213.D
Acq On : 28 Jun 2019 11:06 pm
Operator : J.Misiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 01 07:36:39 2019
Quant Method : I:\ACQUDATA\5973D\Methods\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Fri Jun 28 10:11:34 2019
Response via : Initial Calibration







TIC: BS213.D\data.ms

(5) Pentachlorophenol (TCM)

7.026min (-0.000) 57.07 ppm

response 154759

Ion	Exp%	Act%
265.80	100.00	100.00
263.80	63.50	63.33
267.80	64.20	61.50
0.00	0.00	0.00

Manual Integration:

After

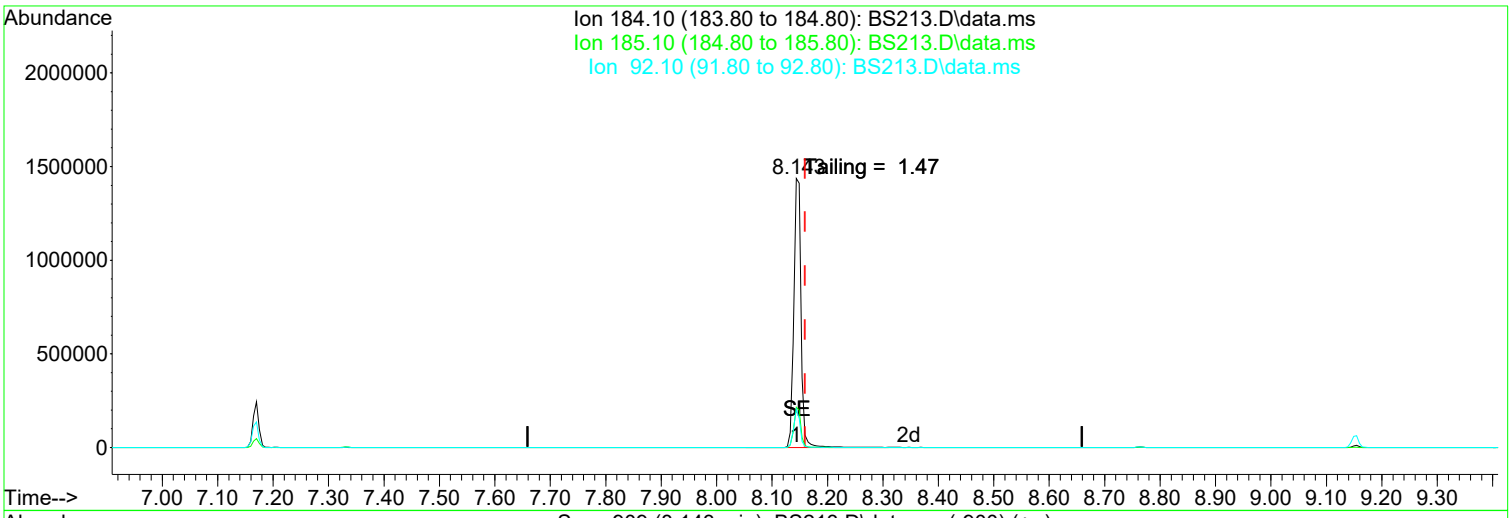
Other - Tailing

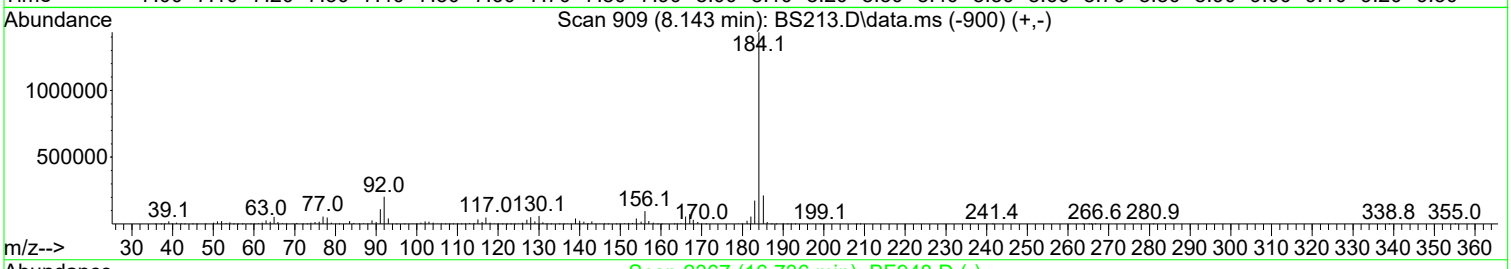
07/01/19

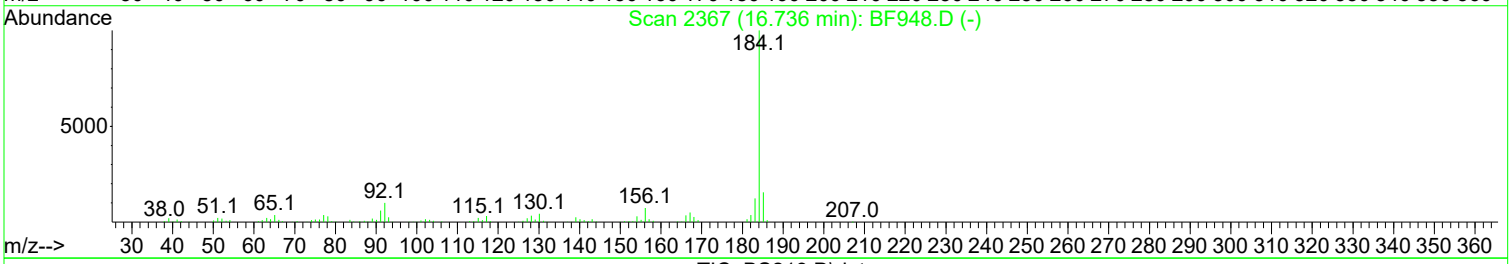
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\062819\
Data File : BS213.D
Acq On : 28 Jun 2019 11:06 pm
Operator : J.Misiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 01 07:36:39 2019
Quant Method : I:\ACQUDATA\5973D\Methods\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Fri Jun 28 10:11:34 2019
Response via : Initial Calibration







TIC: BS213.D\data.ms

(8) Benzidine (T)

8.143min (-0.016) 61.51 ppm

response 1301167

Ion	Exp%	Act%
184.10	100.00	100.00
185.10	14.80	14.94
92.10	10.10	14.26
0.00	0.00	0.00

Manual Integration:

After

Other - Tailing

07/01/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973D\Data\062819\
Data File : BS213.D
Acq On : 28 Jun 2019 11:06 pm
Operator : J.Misiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 01 07:36:39 2019
Quant Method : I:\ACQUDATA\5973D\Methods\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Fri Jun 28 10:11:34 2019
Response via : Initial Calibration

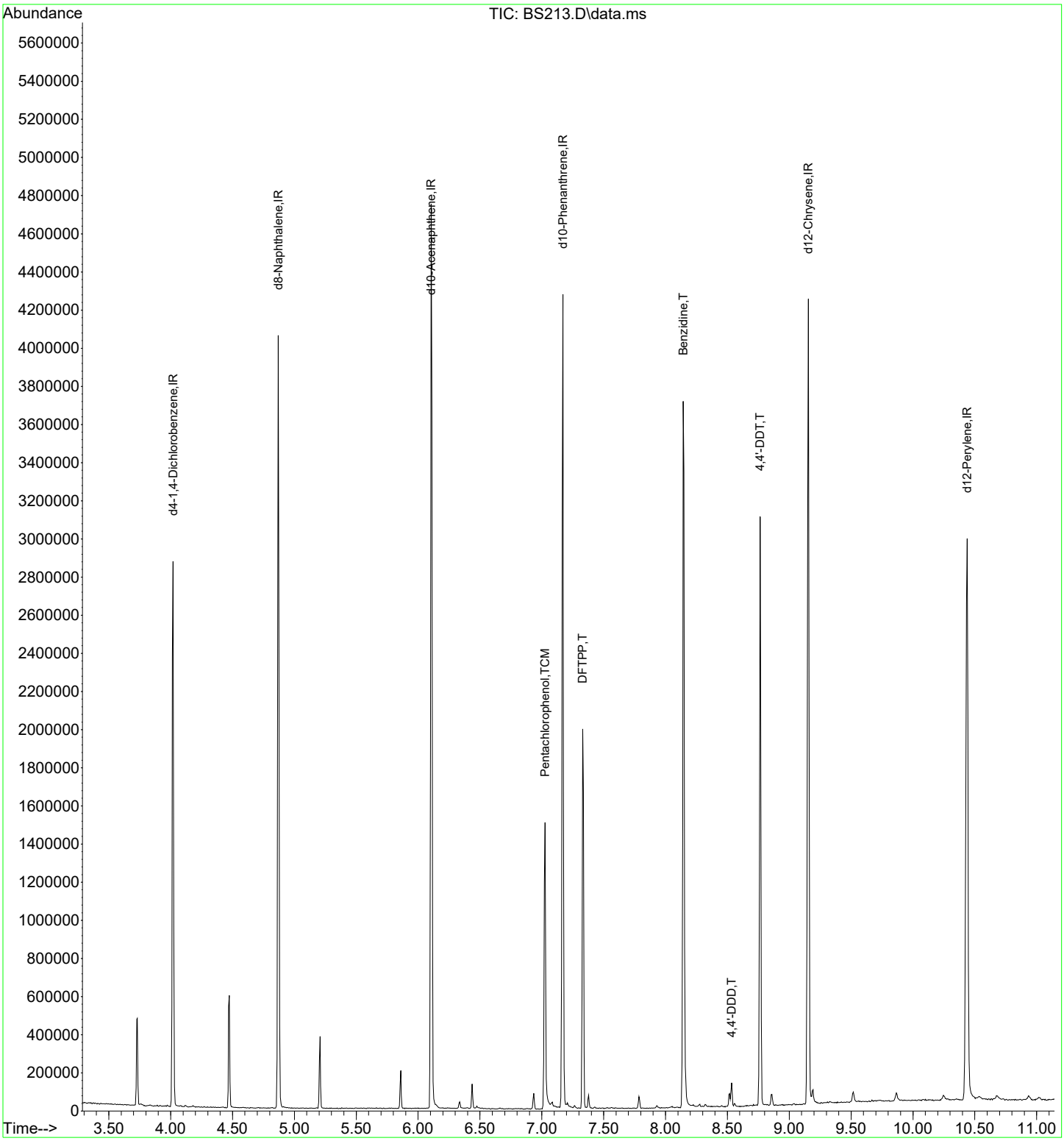
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.020	152	400077	40.00	ppm		0.00
2) d8-Naphthalene	4.870	136	1514156	40.00	ppm		0.00
3) d10-Acenaphthene	6.106	164	817195	40.00	ppm		0.00
4) d10-Phenanthrene	7.170	188	1202280	40.00	ppm		0.00
7) d12-Chrysene	9.154	240	1095025	40.00	ppm		-0.04
12) d12-Perylene	10.438	264	1106978	40.00	ppm		-0.05
Target Compounds							Qvalue
5) Pentachlorophenol	7.026	266	154759	57.074	ppm		98
6) DFTPP	7.330	198	186222	49.165	ppm	#	50
8) Benzidine	8.143	184	1301167	61.513	ppm		95
9) 4,4'-DDE	7.330	246	2383	N.D.			
10) 4,4'-DDD	8.534	235	17007	2.721	ppm		91
11) 4,4'-DDT	8.764	235	451637	72.257	ppm		93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st 07/01/19
2nd 07/02/19

Data Path : I:\ACQUDATA\5973D\Data\062819\
Data File : BS213.D
Acq On : 28 Jun 2019 11:06 pm
Operator : J.Misiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 01 07:36:39 2019
Quant Method : I:\ACQUDATA\5973D\Methods\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Fri Jun 28 10:11:34 2019
Response via : Initial Calibration

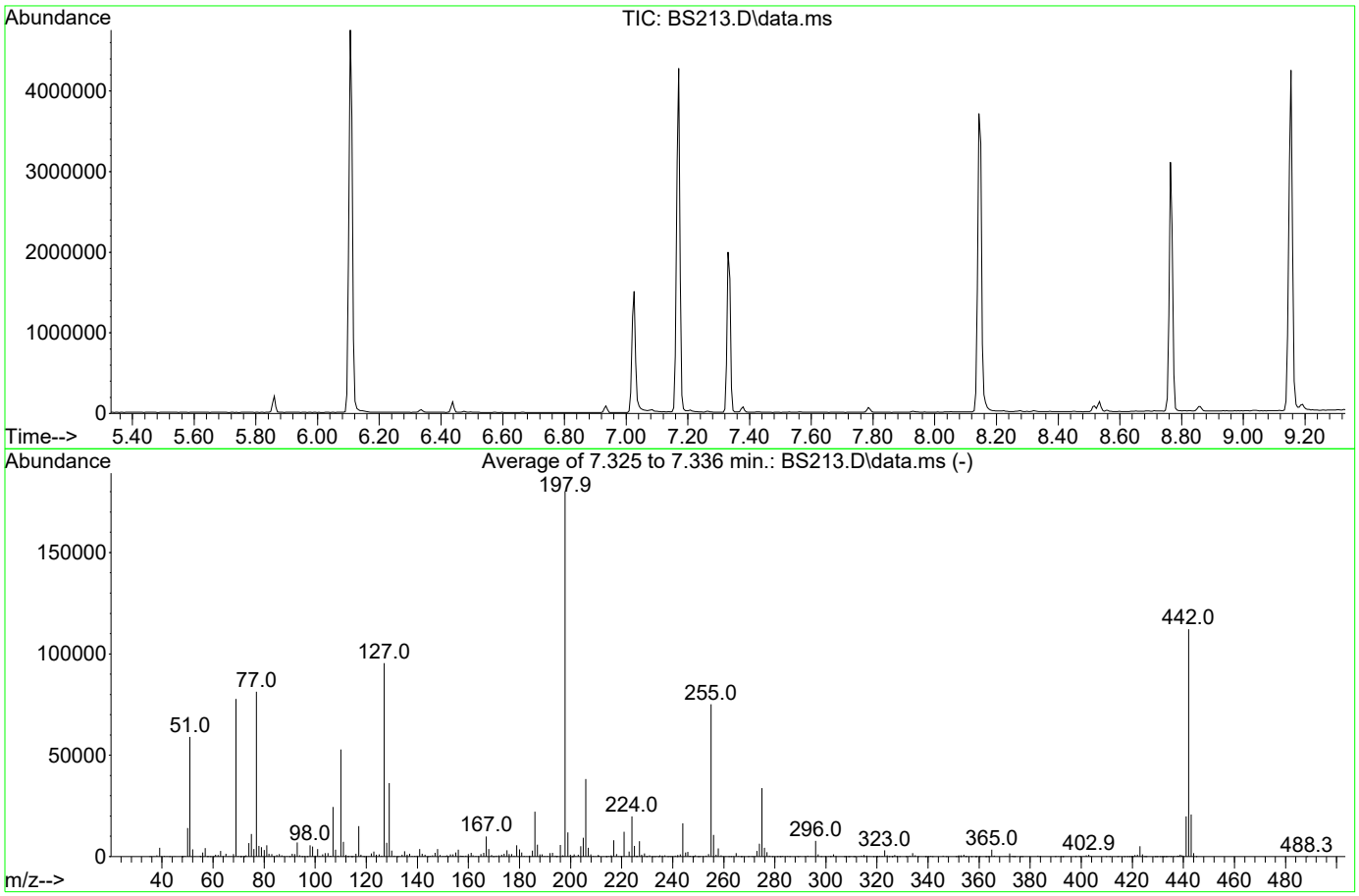


1st 07/01/19
2nd 07/02/19

Data Path : I:\ACQUDATA\5973D\Data\062819\
Data File : BS213.D
Acq On : 28 Jun 2019 11:06 pm
Operator : J.Misiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 27 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\5973D\Methods\TUNCHECK.M
Title : TUNE CHECK
Last Update : Wed Sep 19 10:00:53 2018



AutoFind: Scans 756, 757, 758; Background Corrected with Scan 752

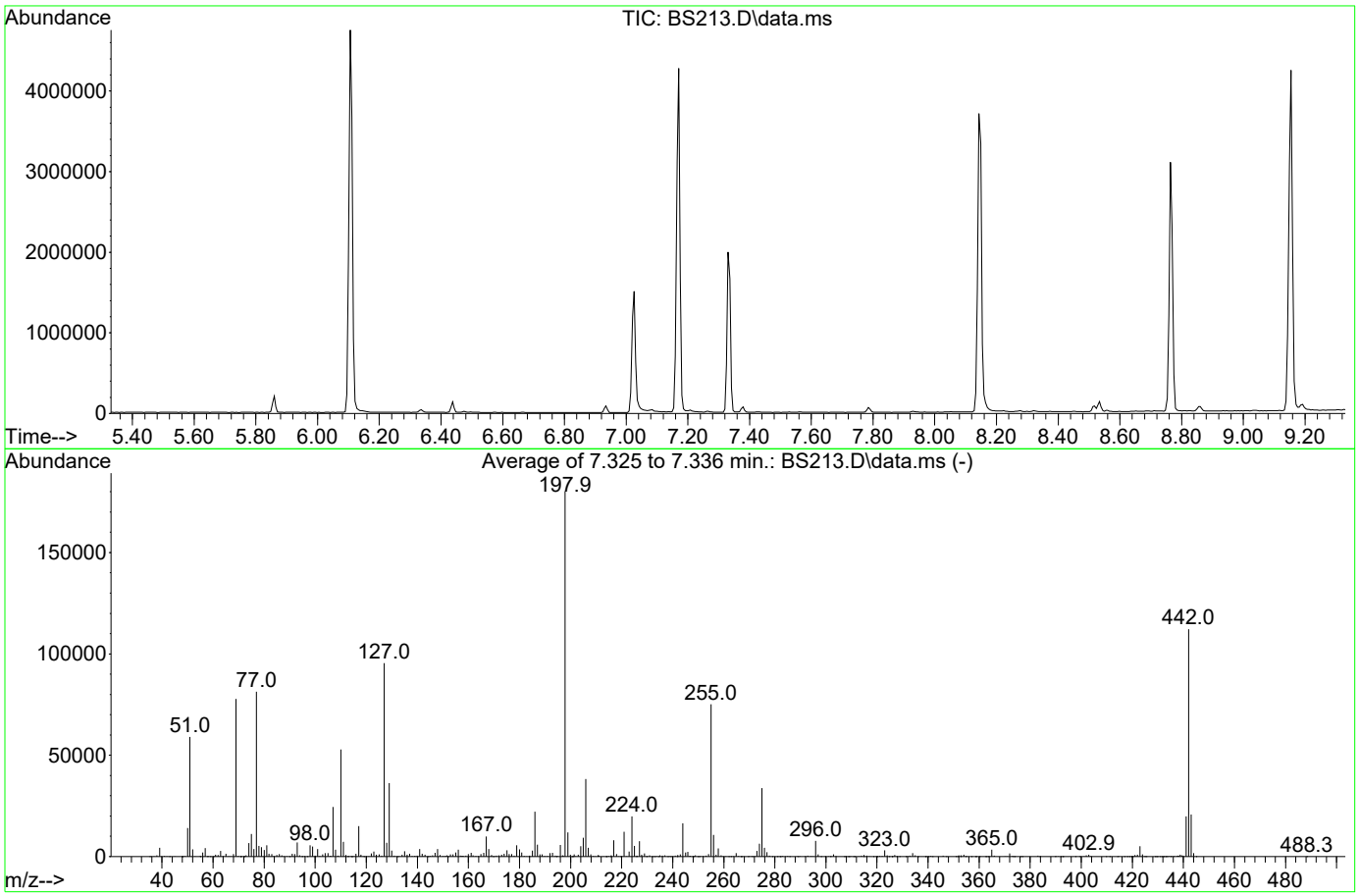
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	32.8	59008	PASS
68	69	0.00	2	1.6	1206	PASS
69	198	0.00	100	43.2	77806	PASS
70	69	0.00	2	0.4	343	PASS
127	198	40	60	53.0	95499	PASS
197	198	0.00	1	0.3	627	PASS
198	198	100	100	100.0	180173	PASS
199	198	5	9	6.6	11956	PASS
275	198	10	30	18.8	33826	PASS
365	198	1	500	1.9	3350	PASS
441	443	0.01	100	95.7	19912	PASS
442	198	50	500	62.2	112142	PASS
443	442	17	23	18.5	20798	PASS

1st 07/01/19
2nd 07/02/19

Data Path : I:\ACQUDATA\5973D\Data\062819\
Data File : BS213.D
Acq On : 28 Jun 2019 11:06 pm
Operator : J.Misiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 27 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\5973D\Methods\TUNED.M
Title : TUNE CHECK
Last Update : Fri Jun 28 10:11:34 2019



AutoFind: Scans 756, 757, 758; Background Corrected with Scan 752

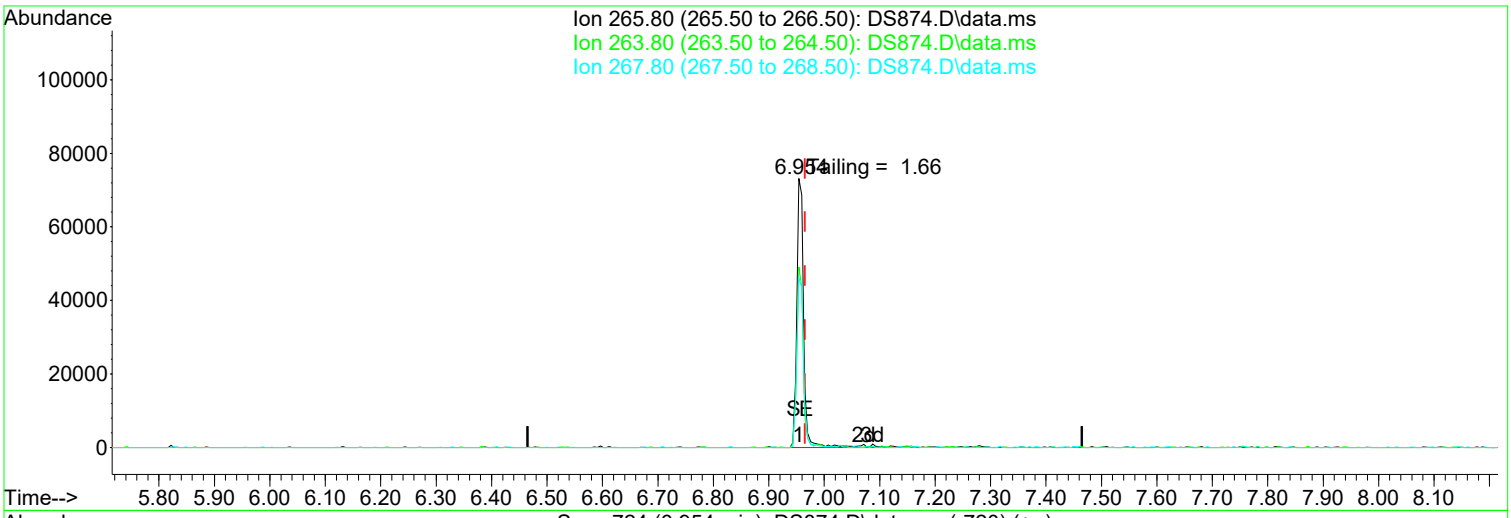
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	32.8	59008	PASS
68	69	0.00	2	1.6	1206	PASS
69	198	0.00	100	43.2	77806	PASS
70	69	0.00	2	0.4	343	PASS
127	198	10	80	53.0	95499	PASS
197	198	0.00	2	0.3	627	PASS
198	198	100	100	100.0	180173	PASS
199	198	5	9	6.6	11956	PASS
275	198	10	60	18.8	33826	PASS
365	198	1	500	1.9	3350	PASS
441	442	0.01	24	17.8	19912	PASS
442	442	100	100	100.0	112142	PASS
443	442	15	24	18.5	20798	PASS

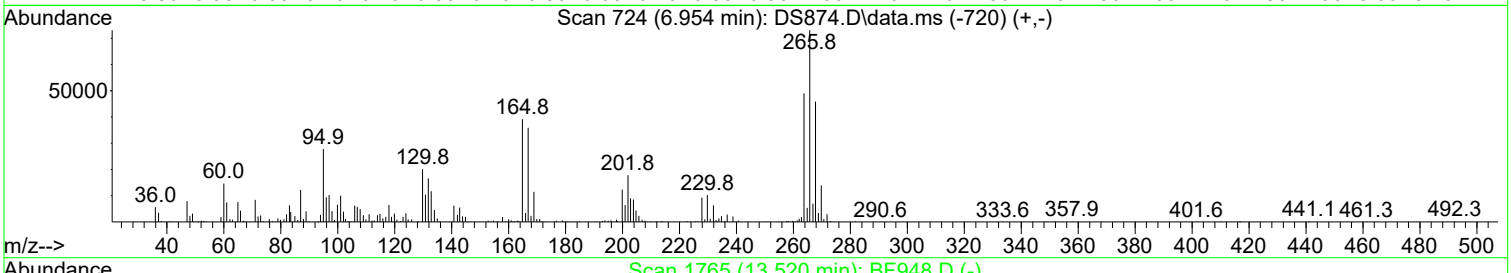
1st JM 07/15/19
2nd BA 07/15/19

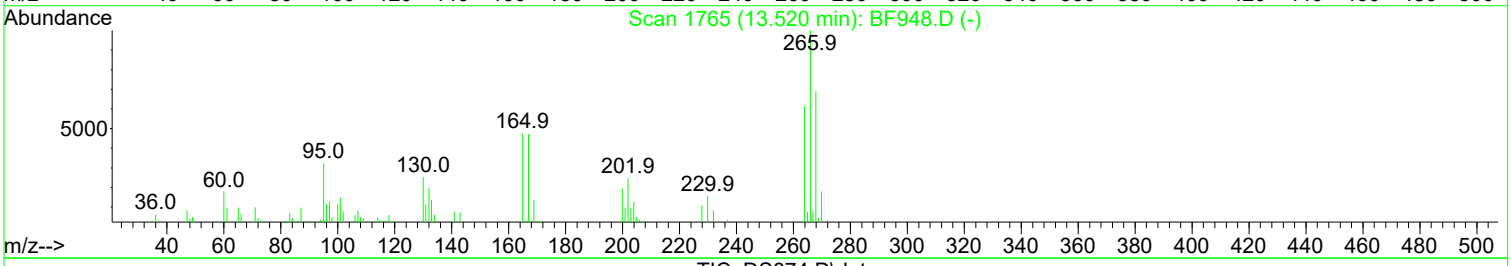
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\071219\
Data File : DS874.D
Acq On : 12 Jul 2019 6:13 am
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 12 06:33:48 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Wed Jul 03 09:32:00 2019
Response via : Initial Calibration







TIC: DS874.D\data.ms

(5) Pentachlorophenol (TCM)

6.954min (-0.011) 40.85 ppm

response 61680

Ion	Exp%	Act%
265.80	100.00	100.00
263.80	63.50	67.12
267.80	64.20	62.73
0.00	0.00	0.00

Manual Integration:

After

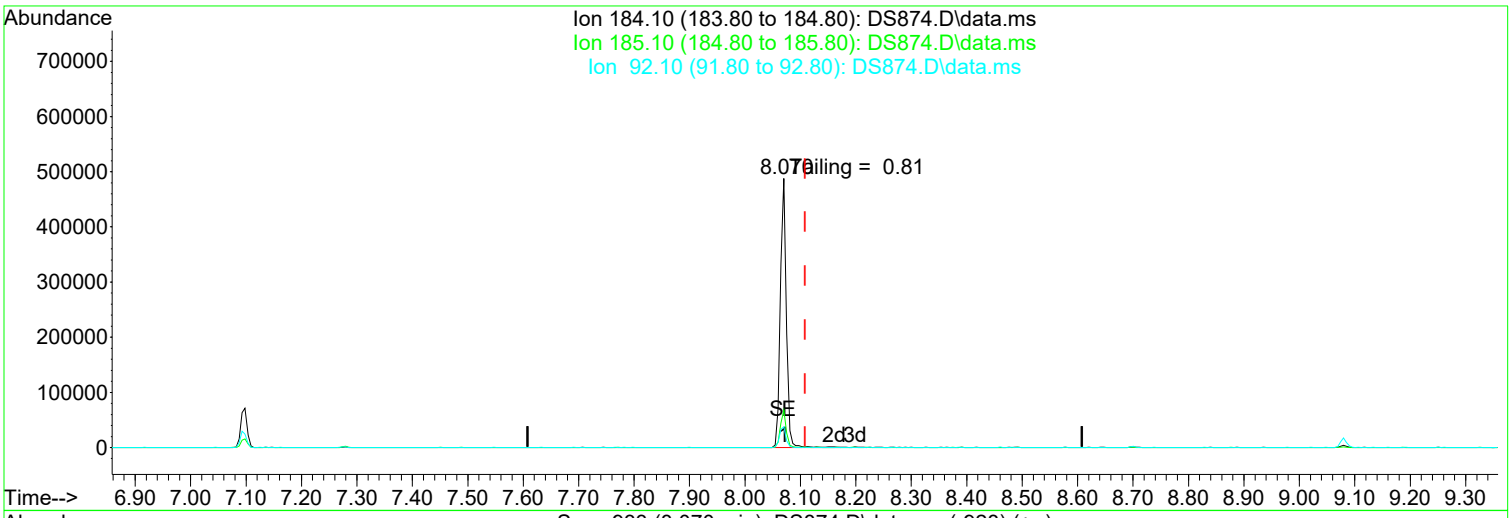
Other - Tailing

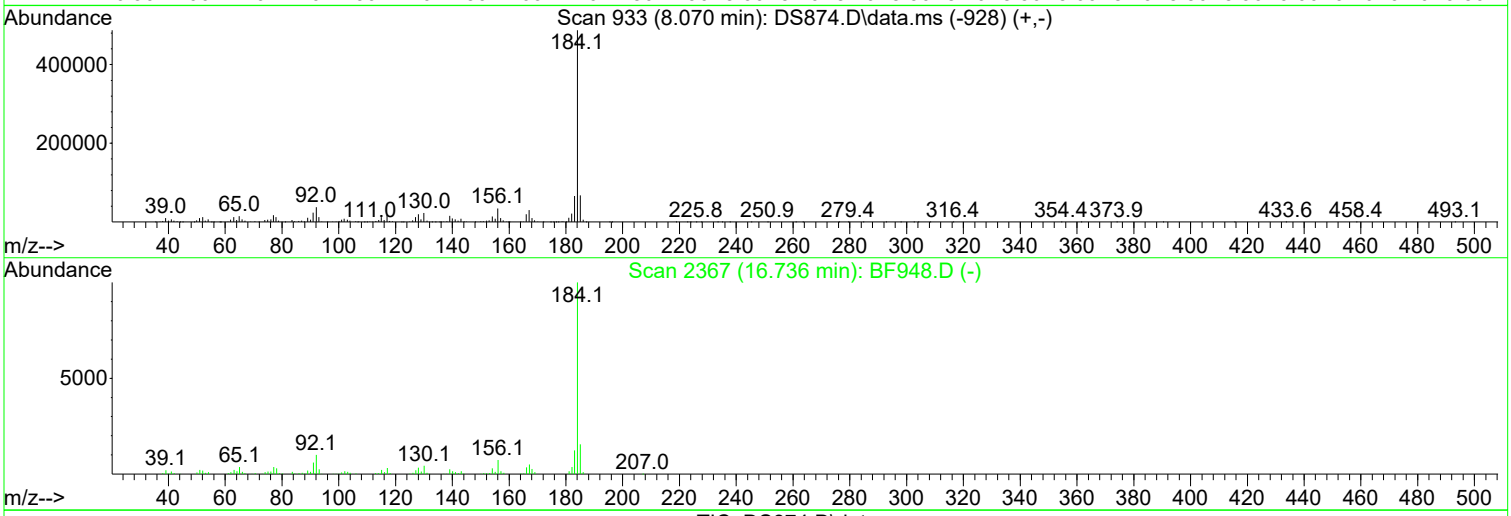
07/15/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\071219\
Data File : DS874.D
Acq On : 12 Jul 2019 6:13 am
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 12 06:33:48 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Wed Jul 03 09:32:00 2019
Response via : Initial Calibration





TIC: DS874.D\data.ms

(8) Benzidine (T)

8.070min (-0.038) 43.47 ppm

response 370674

Ion	Exp%	Act%
184.10	100.00	100.00
185.10	14.80	13.89
92.10	10.10	7.69
0.00	0.00	0.00

Manual Integration:

After

Other - Tailing

07/15/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\071219\
Data File : DS874.D
Acq On : 12 Jul 2019 6:13 am
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 12 06:33:48 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Wed Jul 03 09:32:00 2019
Response via : Initial Calibration

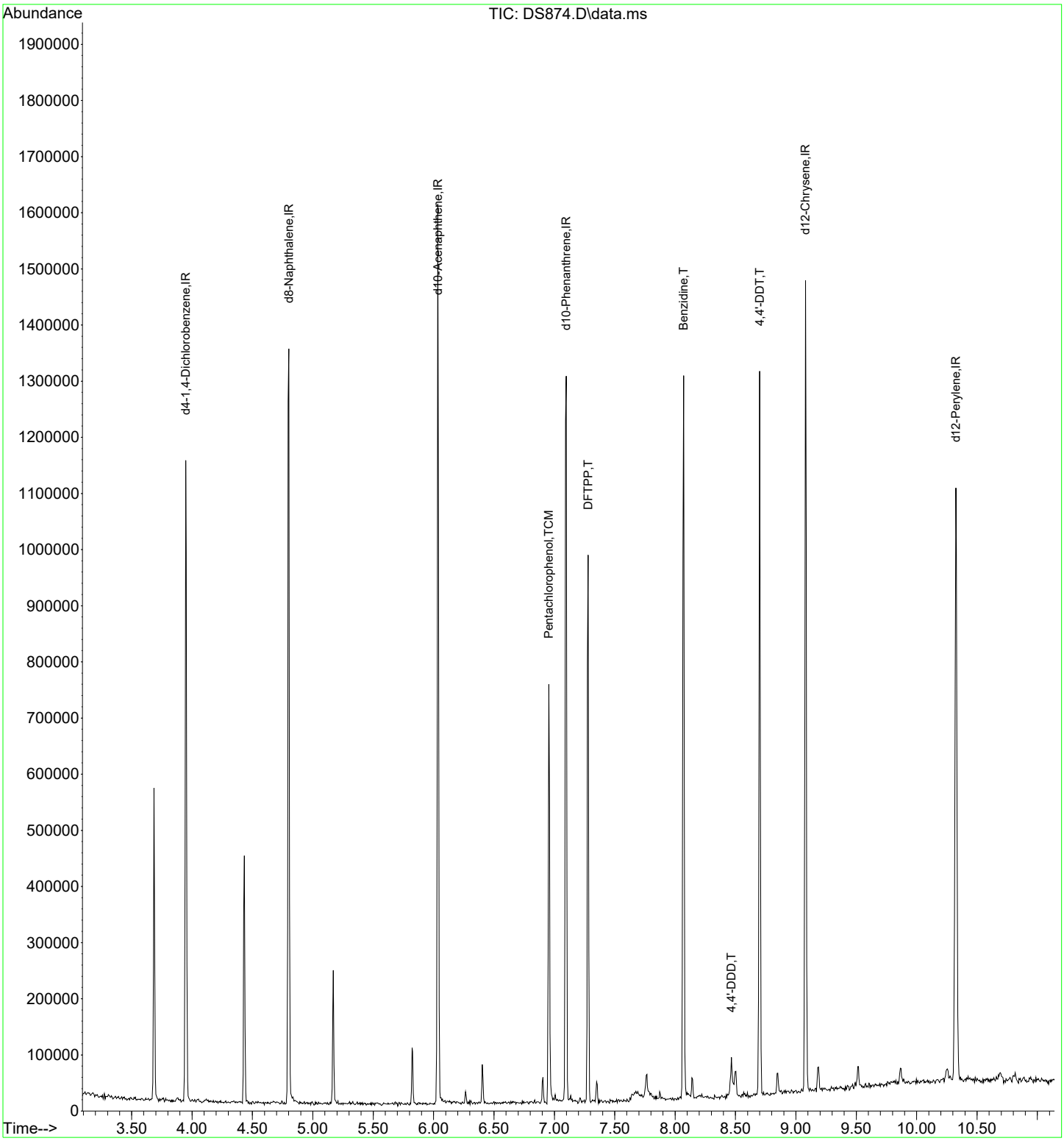
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	3.947	152	136098	40.00	ppm	-0.01
2) d8-Naphthalene	4.801	136	481770	40.00	ppm	-0.01
3) d10-Acenaphthene	6.035	164	229560	40.00	ppm	-0.01
4) d10-Phenanthrene	7.098	188	373501	40.00	ppm	-0.02
7) d12-Chrysene	9.080	240	364419	40.00	ppm	-0.08
12) d12-Perylene	10.324	264	407774	40.00	ppm	-0.10
Target Compounds						Qvalue
5) Pentachlorophenol	6.954	266	61680	40.848	ppm	97
6) DFTPP	7.280	198	56868	49.852	ppm	79
8) Benzidine	8.070	184	370674	43.474	ppm	96
9) 4,4'-DDE	7.274	246	1728	N.D.		
10) 4,4'-DDD	8.465	235	5401	1.639	ppm	92
11) 4,4'-DDT	8.700	235	165604	50.265	ppm	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st JM 07/15/19
2nd BA 07/15/19

Data Path : I:\ACQUDATA\5973A\DATA\071219\
Data File : DS874.D
Acq On : 12 Jul 2019 6:13 am
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 12 06:33:48 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Wed Jul 03 09:32:00 2019
Response via : Initial Calibration

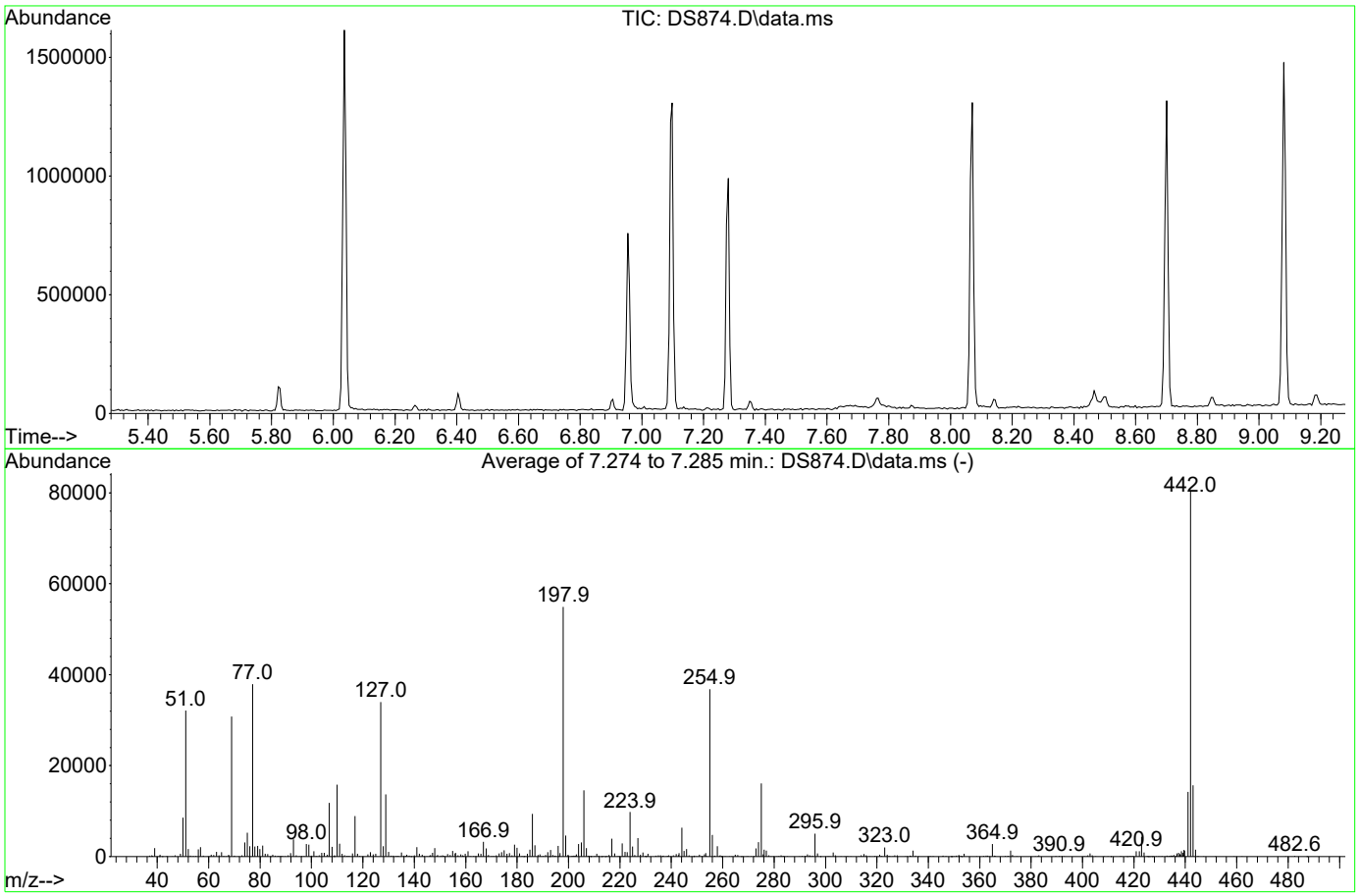


1st DM 07/15/19
2nd BA 07/15/19

Data Path : I:\ACQUDATA\5973A\DATA\071219\
Data File : DS874.D
Acq On : 12 Jul 2019 6:13 am
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Title : TUNE CHECK
Last Update : Wed Jul 03 09:32:00 2019



AutoFind: Scans 784, 785, 786; Background Corrected with Scan 779

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	58.5	32151	PASS
68	69	0.00	2	1.2	367	PASS
69	198	0.00	100	56.1	30839	PASS
70	69	0.00	2	0.8	236	PASS
127	198	10	80	61.9	34001	PASS
197	198	0.00	2	1.4	764	PASS
198	198	100	100	100.0	54928	PASS
199	198	5	9	8.4	4603	PASS
275	198	10	60	29.3	16076	PASS
365	198	1	500	5.0	2761	PASS
441	442	0.01	24	17.7	14247	PASS
442	442	100	100	100.0	80315	PASS
443	442	15	24	19.5	15689	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS773.D
Acq On : 2 Jul 2019 10:24 pm
Operator : JMisiurewicz
Sample : ICV
Misc : Initial Calibration 8270D/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 05 12:06:35 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jul 05 09:32:54 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.621	152	62848	40.00	ppm	0.00
33) d8-Naphthalene	5.786	136	214547	40.00	ppm	0.00
57) d10-Acenaphthene	7.484	164	109627	40.00	ppm	0.00
91) d10-Phenanthrene	8.942	188	181877	40.00	ppm	0.00
117) d12-Chrysene	12.099	240	181389	40.00	ppm	0.00
135) d12-Perylene	14.908	264	180681	40.00	ppm	0.00
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.564	112	159289	72.96	ppm	0.00
Spiked Amount 100.000	Range 10 - 70		Recovery = 72.96%#			
12) SURR2,PHENOL-D6	4.285	99	205720	76.77	ppm	0.00
Spiked Amount 100.000	Range 10 - 107		Recovery = 76.77%			
34) SURR4,NITROBENZENE-D5	5.113	82	196895	80.99	ppm	0.00
Spiked Amount 50.000	Range 31 - 110		Recovery = 161.98%#			
63) SURR5,2-FLUOROBIPHENYL	6.827	172	338933	86.92	ppm	0.00
Spiked Amount 50.000	Range 31 - 118		Recovery = 173.84%#			
88) SURR3,2,4,6-TRIBROMOPH...	8.259	330	55635	75.88	ppm	0.00
Spiked Amount 100.000	Range 35 - 141		Recovery = 75.88%			
124) SURR6,TERPHENYL-D14	10.603	244	336563	84.81	ppm	0.00
Spiked Amount 50.000	Range 10 - 165		Recovery = 169.62%#			
Target Compounds						Qvalue
2) Pyridine	2.640	79	202405	83.626	ppm	97
3) N-Nitrosodimethylamine	2.602	74	114517	83.231	ppm	96
4) 2-Picoline	3.158	93	185900	82.764	ppm	94
5) N-Nitrosomethylamine	3.227	42	115337	78.160	ppm	97
6) Methyl Methansulfonate	3.441	80	87128	78.393	ppm	94
8) N-Nitrosodiethylamine	3.745	102	80439	75.398	ppm	89
9) Ethyl Mathanesulfonate	3.970	79	141877	80.248	ppm	98
10) Benzaldehyde	4.253	106	93337	54.745	ppm	94
11) Aniline	4.338	93	265472	82.114	ppm	96
13) Phenol	4.296	94	198090	74.359	ppm	98
14) bis(2-Clethyl)Ether	4.386	93	159326	73.113	ppm	94
15) Pentachloroethane	4.386	117	67312	78.280	ppm	87
16) 2-Chlorophenol	4.440	128	172325	80.504	ppm	91
17) 1,3-Diclbenzene	4.573	146	182189	74.538	ppm	99
18) 1,4-Dichlorobenzene	4.637	146	193349	75.043	ppm	97
19) 1,2-Diclbenzene	4.771	146	176864	72.915	ppm	97
20) Benzyl Alcohol	4.734	79	156931	79.101	ppm	98
21) 1-Methyl-2-pyrrolidinone	4.803	99	108642	87.950	ppm	97
22) 2,2'-oxybis(1-Chloropr...	4.856	45	242404	73.709	ppm	99
23) 2-Methylphenol	4.830	108	144924	74.325	ppm	93
24) 3+4-Methylphenol	4.969	108	162388	74.436	ppm	99
25) Acetophenone	4.974	105	231266	76.636	ppm	95
26) N-Nitroso-Di-n-propyla...	4.979	70	141263	78.059	ppm	92
27) N-Nitrosopyrrolidine	4.958	100	89137	80.433	ppm	91
28) N-Nitrosomorpholine	4.990	56	122010	79.460	ppm	99
29) o-Toluidine	5.006	106	266045	81.082	ppm	96
30) Hexachloroethane	5.075	117	84146	80.290	ppm	86
31) o,o,o-Triethylphosphor...	5.529	198	88445	87.790	ppm	96
32) Alpha-terpinol	5.818	121	56227	76.159	ppm	89
35) Nitrobenzene	5.129	77	197275	83.594	ppm	98
36) N-Nitrosopiperidine	5.268	42	144538	88.183	ppm	96
37) Isophorone	5.353	82	334259	84.773	ppm	98
38) 2-Nitrophenol	5.423	139	92745	82.663	ppm	94

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS773.D
Acq On : 2 Jul 2019 10:24 pm
Operator : JMisiurewicz
Sample : ICV
Misc : Initial Calibration 8270D/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 05 12:06:35 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jul 05 09:32:54 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) 2,4-Dimethylphenol	5.460	107	185107	85.080	ppm	#	80
40) bis(-2-Chloroethoxy)Me...	5.551	93	190226	79.452	ppm		98
41) Benzoic Acid	5.556	105	148543	96.286	ppm		89
42) 2,4-Dichlorophenol	5.652	162	150346	91.416	ppm		99
43) a,a-Dimethylphenethyla...	6.160	58	202632m	41.096	ppm		
44) 1,2,4-Trichlorobenzene	5.727	180	168336	88.122	ppm		99
45) Naphthalene	5.802	128	469769	75.936	ppm		99
46) 4-Chloroaniline	5.855	127	202842	81.859	ppm		96
47) 2,6-Dichlorophenol	5.860	162	135347	78.015	ppm		91
48) Hexachlorobutadiene	5.925	225	88909	81.711	ppm		99
49) Hexachloropropene	5.887	213	117389	93.858	ppm		99
50) 4-Chloro-3-methylphenol	6.320	107	130979	79.467	ppm		97
51) N-N-di-n-butylamine	6.181	84	121740	70.220	ppm		90
52) Caprolactam	6.202	113	47872	91.313	ppm		89
53) p-Phenylenediamine	6.213	80	50009	51.435	ppm		98
54) Safrole	6.389	162	127756	85.867	ppm		95
55) 2-Methylnaphthalene	6.469	142	316901	76.503	ppm		99
56) 1-Methylnaphthalene	6.566	142	301848	77.160	ppm		99
58) Hexachlorocyclopentadiene	6.624	237	100062	91.897	ppm		93
59) 1,2,4,5-Tetrachloroben...	6.630	216	151371	91.940	ppm		99
60) 1,2,3,4-Tetrachloroben...	6.907	216	136251	90.489	ppm		100
61) 2,4,6-Trichlorophenol	6.742	196	100386	92.803	ppm		97
62) 2,4,5-Trichlorophenol	6.779	196	96806	85.363	ppm		99
64) Isosafrole	6.891	104	61381	83.299	ppm	#	8
65) 1,1'-Biphenyl	6.923	154	351963	84.819	ppm		99
66) 2-Chloronaphthalene	6.939	162	258570	75.614	ppm		98
67) 2-Nitroaniline	7.041	65	87216	86.689	ppm		94
68) 1,4-Naphthoquinone	7.110	158	92101	88.352	ppm		96
69) m-Dinitrobenzene	7.249	168	49404	82.949	ppm		81
70) Acenaphthylene	7.345	152	417753	73.584	ppm		98
71) Dimethyl phthalate	7.228	163	268236	75.401	ppm		100
72) 2,6-Dinitrotoluene	7.281	165	63669	80.871	ppm		93
73) Acenaphthene	7.516	153	280102	71.162	ppm		96
74) 3-Nitroaniline	7.441	138	74359	83.634	ppm		98
75) 2,4-Dinitrophenol	7.543	184	45403	77.265	ppm		93
76) Dibenzofuran	7.687	168	370801	80.534	ppm		99
77) 2,4-Dinitrotoluene	7.676	165	94797	85.079	ppm		96
78) 4-Nitrophenol	7.607	65	74672	85.050	ppm		97
79) Pentachlorobenzene	7.644	250	119769	80.981	ppm		91
80) 1-Napthylamine	7.762	143	175850	95.110	ppm		98
81) 2-Napthylamine	7.842	143	247101	82.768	ppm		100
82) 2,3,4,6-Tetrachlorophenol	7.805	232	71519	76.743	ppm		93
83) Fluorene	8.024	166	281090	69.441	ppm		98
84) 4-Chlorophenyl-phenyle...	8.029	204	141860	75.465	ppm		95
85) Diethylphthalate	7.927	149	284533	75.334	ppm		97
86) 4-Nitroaniline	8.045	138	82274	84.391	ppm		93
87) 5-Nitro-o-toluidine	8.034	152	93084	87.038	ppm		91
89) Sulfotepp	8.312	322	56256	89.037	ppm		81
90) Octachlorocyclopentene	8.275	307	59072	82.975	ppm		98
92) Thionazin	8.008	107	47772	86.056	ppm		98
93) 4,6-Dinitro-2-methylph...	8.072	198	59659	77.776	ppm		91
94) Diphenylamine	8.146	169	457507	157.621	ppm		97
95) 1,2 Diphenylhydrazine	8.184	77	318020	79.792	ppm		100
96) N-Nitrosodiphenylamine	8.146	169	457507	157.620	ppm		97
97) 1,3,5-Trinirobenzene	8.403	74	58624	84.841	ppm		93
98) Diallate	8.435	86	94122	74.532	ppm		91

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS773.D
Acq On : 2 Jul 2019 10:24 pm
Operator : JMisiurewicz
Sample : ICV
Misc : Initial Calibration 8270D/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 05 12:06:35 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jul 05 09:32:54 2019
Response via : Initial Calibration

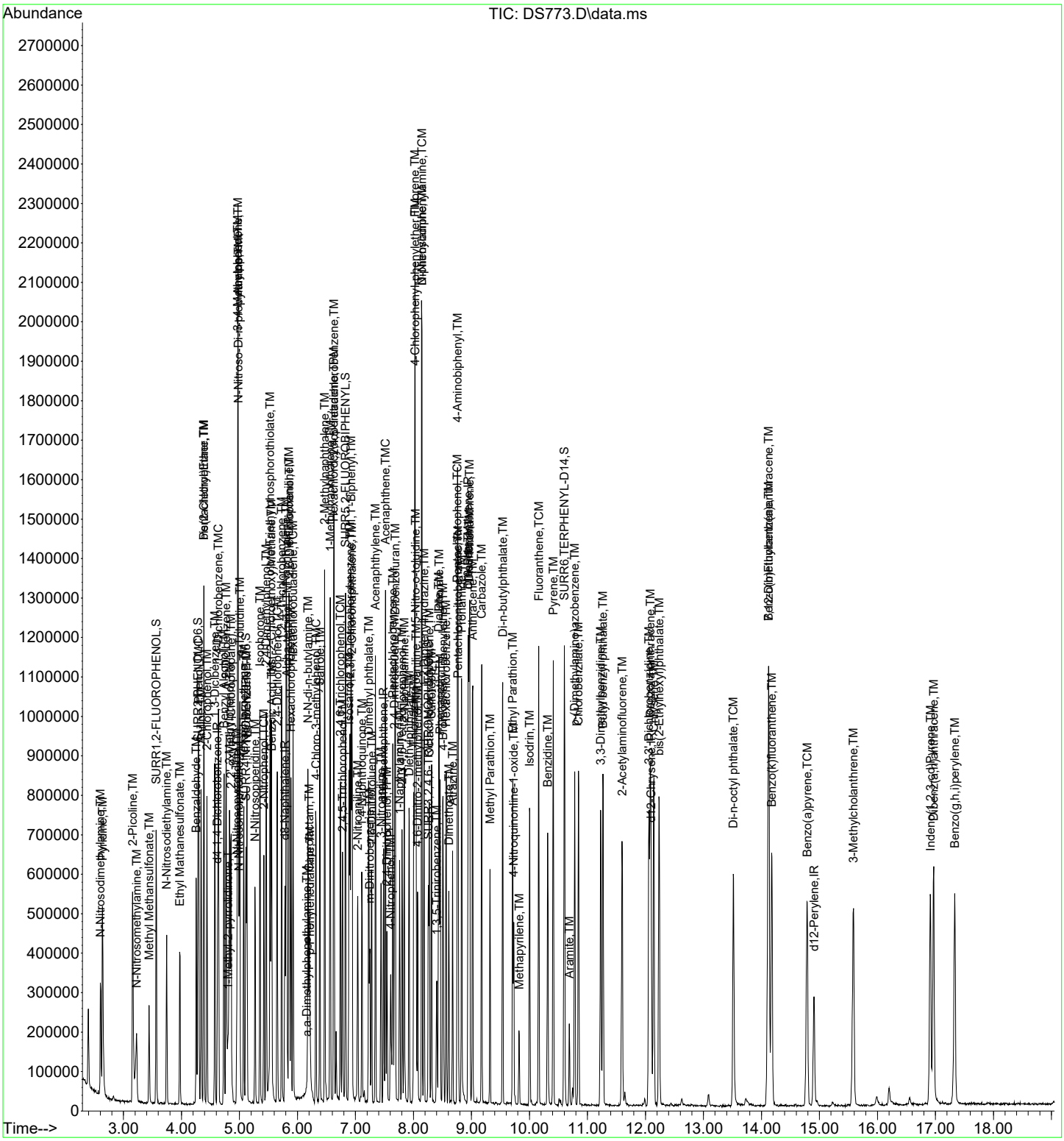
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
99)	Phorate	8.440	121	55345	86.241	ppm		94
100)	Phenacetin	8.462	108	163123	85.826	ppm		96
101)	4-Bromophenyl-phenylether	8.510	248	82477	72.932	ppm		95
102)	Hexachlorobenzene	8.563	284	93936	73.511	ppm		95
103)	Dimethoate	8.611	87	88448	80.536	ppm		97
104)	Atrazine	8.675	215	33120	71.062	ppm	#	81
105)	Pentachlorophenol	8.755	266	78055	92.125	ppm		95
106)	4-Aminobiphenyl	8.761	169	296953	84.918	ppm		99
107)	Pentachloronitrobenzene	8.771	237	43640	91.027	ppm		86
108)	Pronamide	8.830	173	141772	86.823	ppm		99
109)	Dinoseb	8.942	211	84358	83.241	ppm		95
110)	Disulfoton	8.958	88	157899	75.376	ppm		97
111)	Phenanthrene	8.969	178	407118	73.528	ppm		99
112)	Anthracene	9.022	178	398885	73.312	ppm		99
113)	Carbazole	9.177	167	402856	83.560	ppm		99
114)	Di-n-butylphthalate	9.540	149	510564	82.008	ppm		98
115)	4-Nitroquinonline-1-oxide	9.727	190	41839	74.767	ppm		96
116)	Fluoranthene	10.160	202	456476	74.681	ppm		99
118)	Methyl Parathion	9.322	109	87199	109.024	ppm		97
119)	Ethyl Parathion	9.711	97	73359	101.420	ppm		100
120)	Methapyrilene	9.824	58	47391	53.195	ppm		93
121)	Isodrin	10.005	193	46893	87.098	ppm		99
122)	Benzidine	10.315	184	283059	93.443	ppm		99
123)	Pyrene	10.411	202	466057	81.987	ppm		95
125)	Aramite	10.689	185	34951m	93.595	ppm		
126)	p-(Dimethylamino)azobe...	10.780	120	137714	92.078	ppm		93
127)	Chlorobenzilate	10.844	139	178458	93.604	ppm		83
128)	Butyl benzyl phthalate	11.266	149	232406	85.549	ppm		92
129)	3,3-Dimethylbenzidine	11.228	212	289376	89.496	ppm		97
130)	2-Acetylaminofluorene	11.597	181	189175	93.680	ppm		97
131)	3,3'-Dichlorobenzidine	12.061	252	183398	86.285	ppm		99
132)	Benzo(a)anthracene	12.083	228	444592	74.891	ppm		99
133)	Chrysene	12.147	228	422007	73.948	ppm		99
134)	bis(2-Ethylhexyl)phtha...	12.238	149	311103	84.254	ppm		99
136)	Di-n-octyl phthalate	13.514	149	470961	81.065	ppm		94
137)	7,12-Dimethylbenz(a)an...	14.123	256	209037	79.466	ppm		97
138)	Benzo(b)Fluoranthene	14.123	252	463746	76.879	ppm		97
139)	Benzo(k)fluoranthene	14.177	252	426623	78.715	ppm		96
140)	Benzo(a)pyrene	14.791	252	386519	76.118	ppm		99
141)	3-Methylcholanthrene	15.587	268	227330	84.463	ppm		99
142)	Indeno(1,2,3-cd)Pyrene	16.916	276	366599	81.612	ppm		88
143)	Dibenz(a,h)anthracene	16.970	278	371747	77.669	ppm		96
144)	Benzo(g,h,i)perylene	17.333	276	379718	82.131	ppm		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS773.D
Acq On : 2 Jul 2019 10:24 pm
Operator : JMisiurewicz
Sample : ICV
Misc : Initial Calibration 8270D/625
ALS Vial : 13 Sample Multiplier: 1

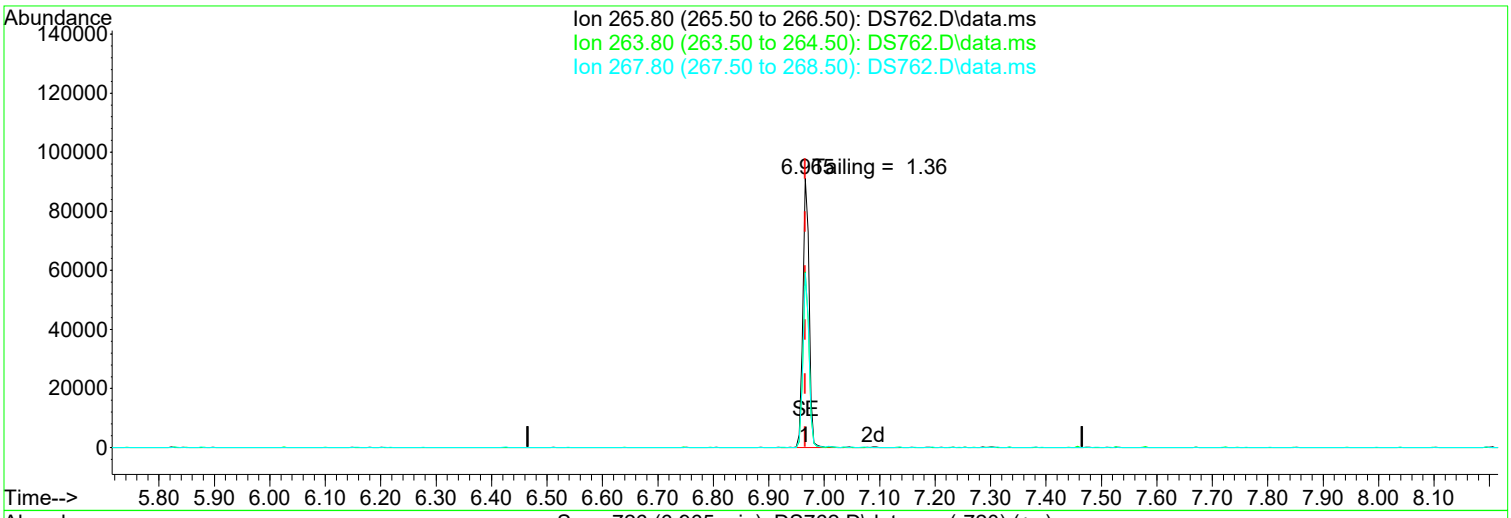
Quant Time: Jul 05 12:06:35 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jul 05 09:32:54 2019
Response via : Initial Calibration

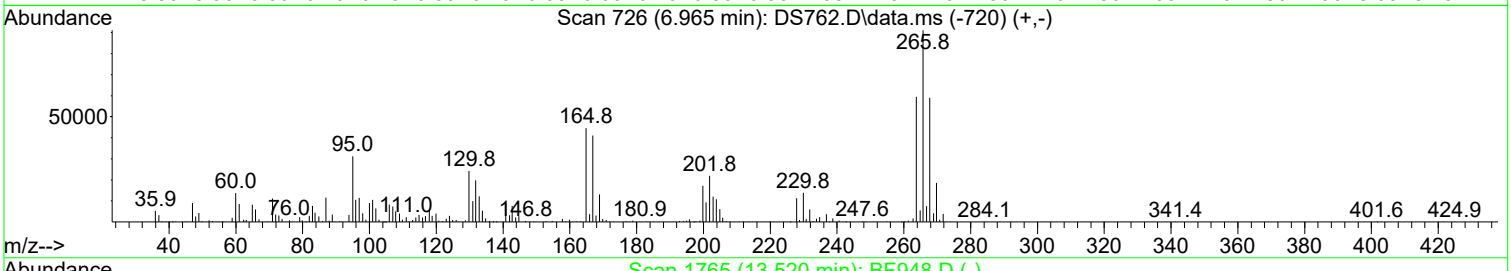


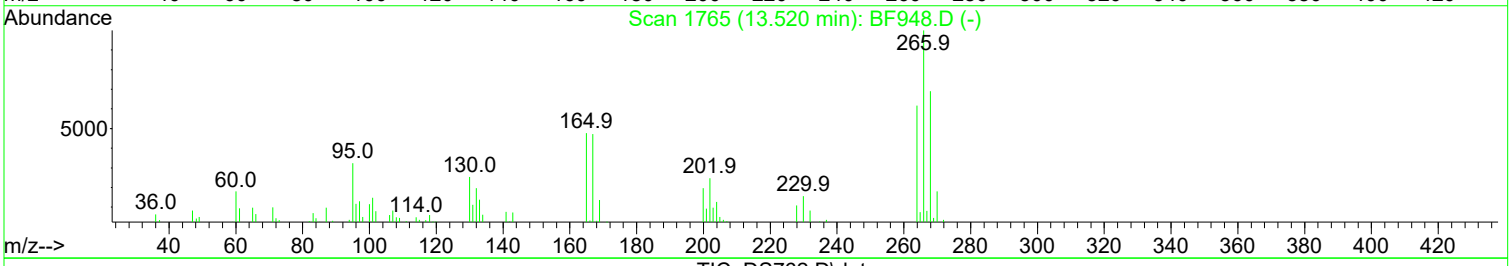
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS762.D
Acq On : 2 Jul 2019 5:16 pm
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 03 09:32:18 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Wed Jul 03 09:32:00 2019
Response via : Initial Calibration







TIC: DS762.D\data.ms

(5) Pentachlorophenol (TCM)

6.965min (0.000) 50.00 ppm

response 70933

Ion	Exp%	Act%
265.80	100.00	100.00
263.80	63.50	65.31
267.80	64.20	64.82
0.00	0.00	0.00

Manual Integration:

After

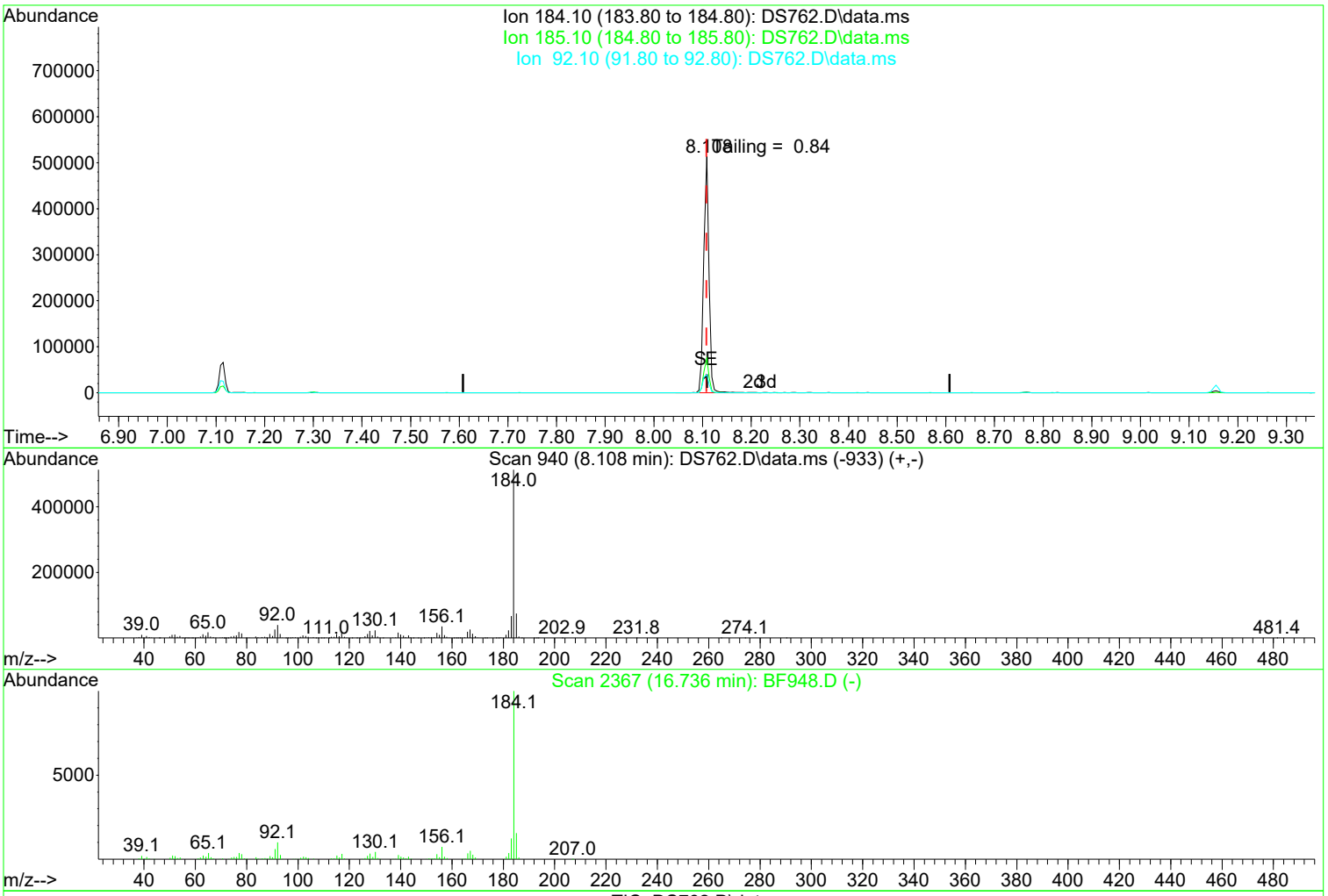
Other - Tailing

07/03/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS762.D
Acq On : 2 Jul 2019 5:16 pm
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 03 09:32:18 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Wed Jul 03 09:32:00 2019
Response via : Initial Calibration



TIC: DS762.D\data.ms

(8) Benzidine (T)

8.108min (0.000) 50.00 ppm

response 380193

Ion	Exp%	Act%
184.10	100.00	100.00
185.10	14.80	14.62
92.10	10.10	7.73
0.00	0.00	0.00

Manual Integration:

After

Other - Tailing

07/03/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS762.D
Acq On : 2 Jul 2019 5:16 pm
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 03 09:32:18 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Wed Jul 03 09:32:00 2019
Response via : Initial Calibration

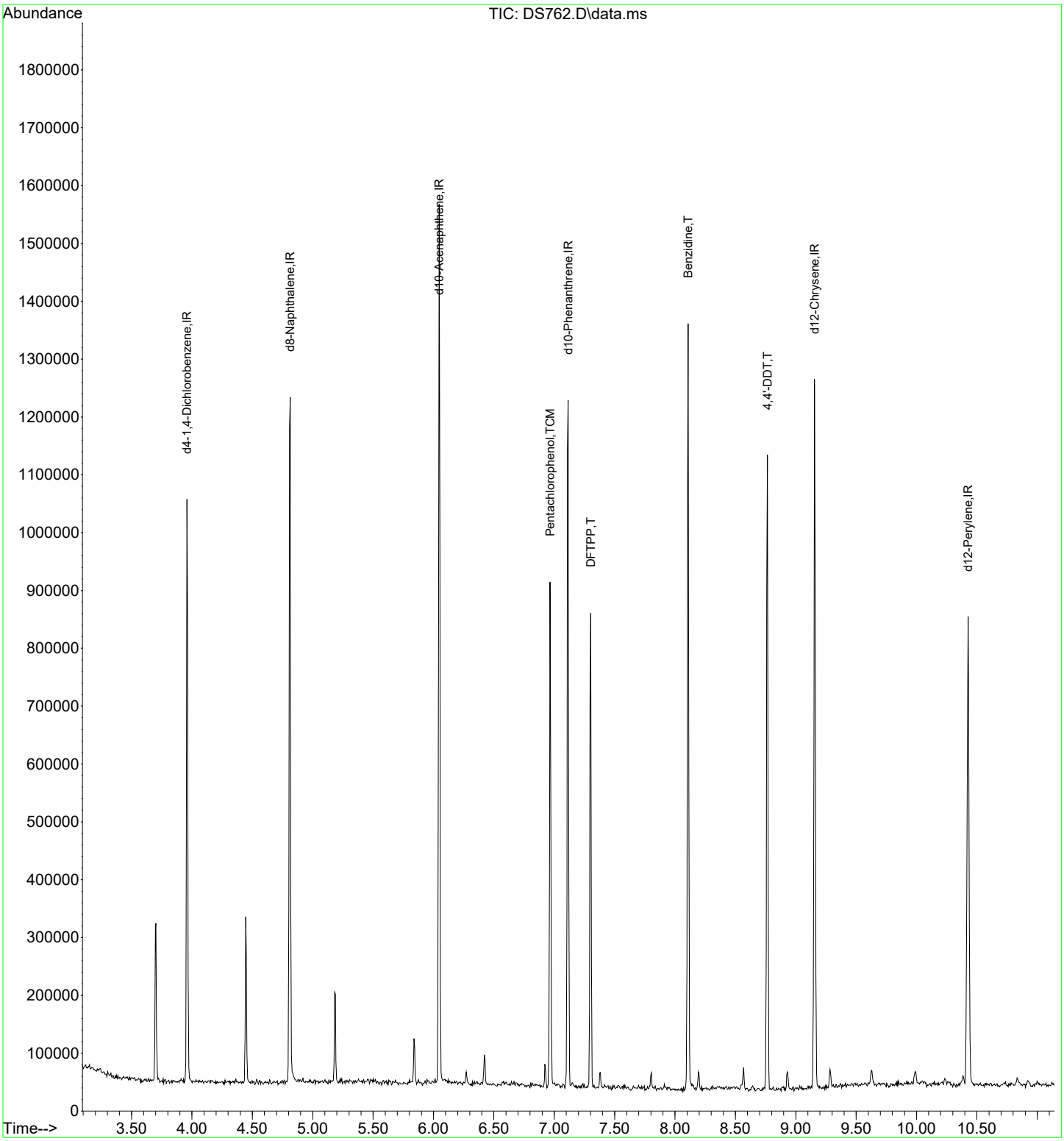
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	3.958	152	119856	40.00	ppm	0.00
2) d8-Naphthalene	4.813	136	457742	40.00	ppm	0.00
3) d10-Acenaphthene	6.047	164	225208	40.00	ppm	0.00
4) d10-Phenanthrene	7.115	188	350912	40.00	ppm	0.00
7) d12-Chrysene	9.155	240	324993	40.00	ppm	0.00
12) d12-Perylene	10.426	264	308137	40.00	ppm	0.00
Target Compounds						Qvalue
5) Pentachlorophenol	6.965	266	70933	50.000	ppm	98
6) DFTPP	7.302	198	53587	50.000	ppm	84
8) Benzidine	8.108	184	380193	50.000	ppm	97
9) 4,4'-DDE	7.302	246	1262	N.D.		
10) 4,4'-DDD	0.000		0	N.D.	d	
11) 4,4'-DDT	8.765	235	146908	50.000	ppm	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS762.D
Acq On : 2 Jul 2019 5:16 pm
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 03 09:32:18 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Wed Jul 03 09:32:00 2019
Response via : Initial Calibration

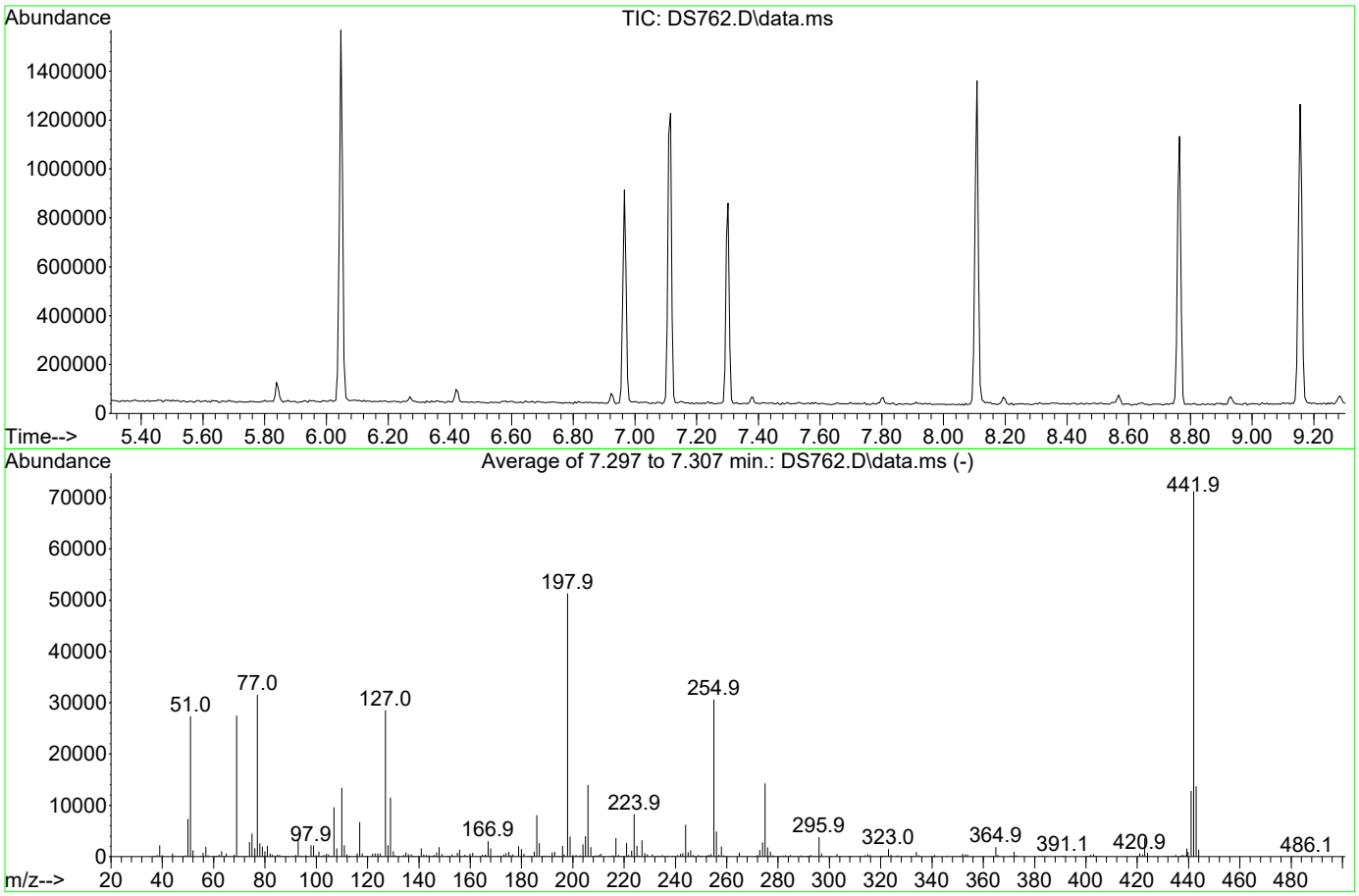


DFTPP

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS762.D
Acq On : 2 Jul 2019 5:16 pm
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\5973A\METHODS\TUNCHECK.M
Title : TUNE CHECK
Last Update : Wed Oct 03 16:33:08 2012



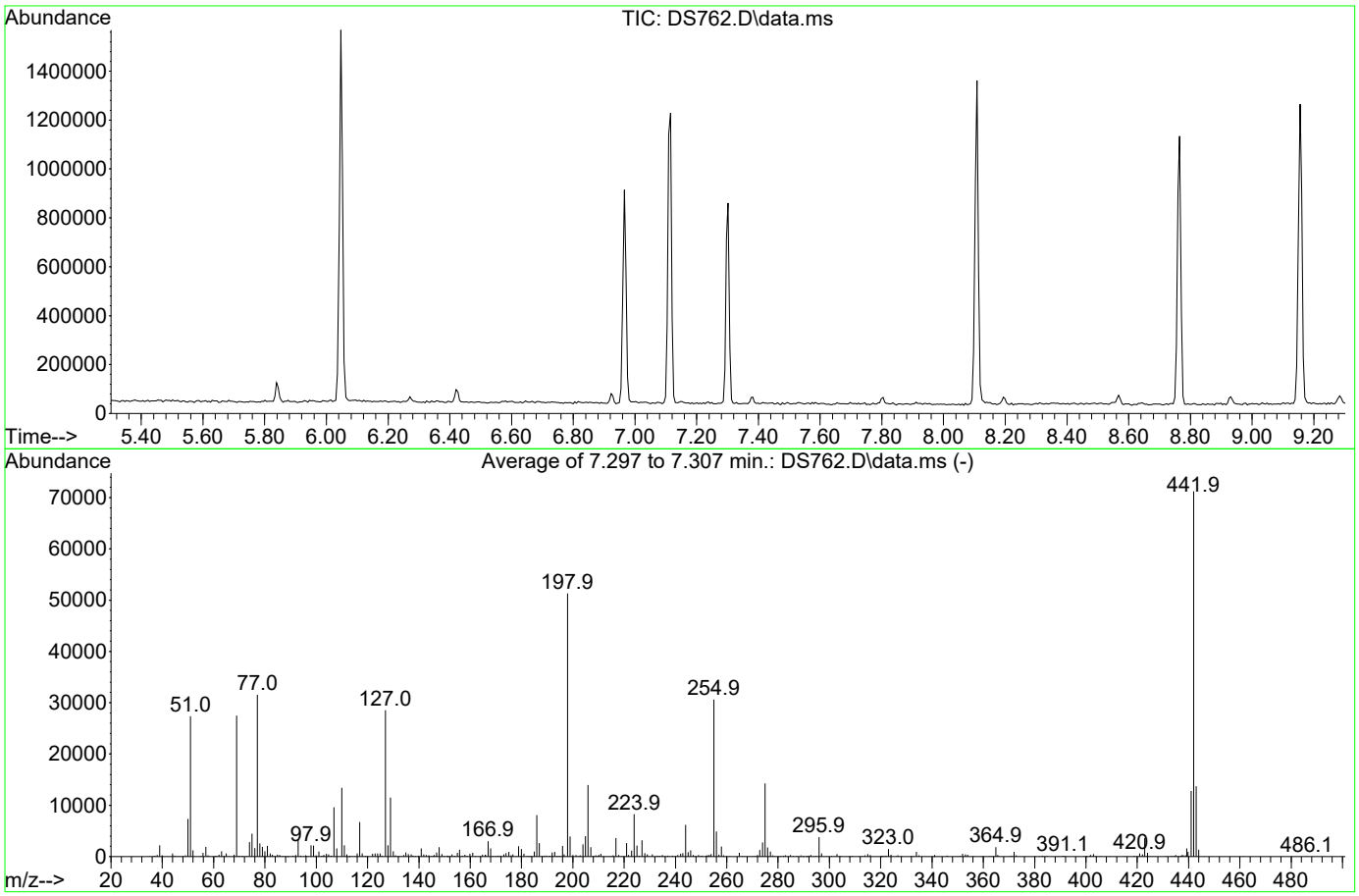
AutoFind: Scans 788, 789, 790; Background Corrected with Scan 783

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	53.4	27389	PASS
68	69	0.00	2	1.4	381	PASS
69	198	0.00	100	53.6	27486	PASS
70	69	0.00	2	0.4	100	PASS
127	198	40	60	55.6	28544	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	51315	PASS
199	198	5	9	7.7	3930	PASS
275	198	10	30	27.8	14275	PASS
365	198	1	500	3.5	1816	PASS
441	443	0.01	100	93.6	12827	PASS
442	198	50	500	138.8	71208	PASS
443	442	17	23	19.2	13705	PASS

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS762.D
Acq On : 2 Jul 2019 5:16 pm
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Title : TUNE CHECK
Last Update : Wed Jul 03 09:32:00 2019



AutoFind: Scans 788, 789, 790; Background Corrected with Scan 783

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	53.4	27389	PASS
68	69	0.00	2	1.4	381	PASS
69	198	0.00	100	53.6	27486	PASS
70	69	0.00	2	0.4	100	PASS
127	198	10	80	55.6	28544	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	51315	PASS
199	198	5	9	7.7	3930	PASS
275	198	10	60	27.8	14275	PASS
365	198	1	500	3.5	1816	PASS
441	442	0.01	24	18.0	12827	PASS
442	442	100	100	100.0	71208	PASS
443	442	15	24	19.2	13705	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS763.D
Acq On : 2 Jul 2019 5:37 pm
Operator : JMisiurewicz
Sample : BLK
Misc : Initial Calibration 8270D/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 05 12:05:57 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jul 05 09:32:54 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.625	152	76237	40.00	ppm	0.00
33) d8-Naphthalene	5.784	136	271156	40.00	ppm	0.00
57) d10-Acenaphthene	7.482	164	137888	40.00	ppm	0.00
91) d10-Phenanthrene	8.940	188	206597	40.00	ppm	0.00
117) d12-Chrysene	12.092	240	258155	40.00	ppm	0.00
135) d12-Perylene	14.901	264	235978	40.00	ppm	0.00
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 10 - 70		Recovery =	0.00%#		
12) SURR2,PHENOL-D6	0.000	99	0	0.00	ppm	
Spiked Amount 100.000	Range 10 - 107		Recovery =	0.00%#		
34) SURR4,NITROBENZENE-D5	5.079	82	175	0.06	ppm	-0.03
Spiked Amount 50.000	Range 31 - 110		Recovery =	0.12%#		
63) SURR5,2-FLUOROBIPHENYL	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 31 - 118		Recovery =	0.00%#		
88) SURR3,2,4,6-TRIBROMOPH...	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 35 - 141		Recovery =	0.00%#		
124) SURR6,TERPHENYL-D14	10.601	244	616	0.11	ppm	0.00
Spiked Amount 50.000	Range 10 - 165		Recovery =	0.22%#		

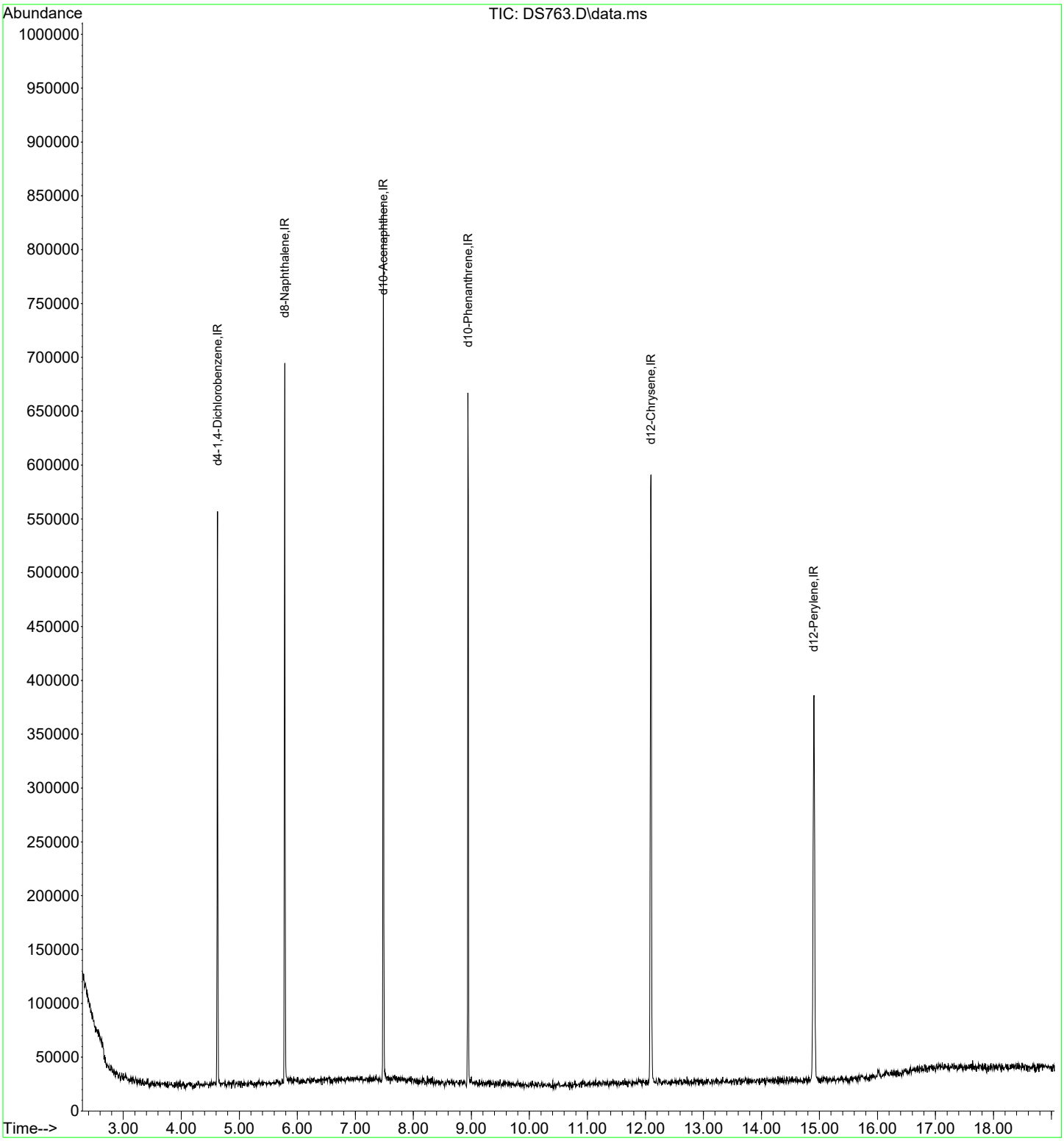
Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS763.D
Acq On : 2 Jul 2019 5:37 pm
Operator : JMisiurewicz
Sample : BLK
Misc : Initial Calibration 8270D/625
ALS Vial : 3 Sample Multiplier: 1

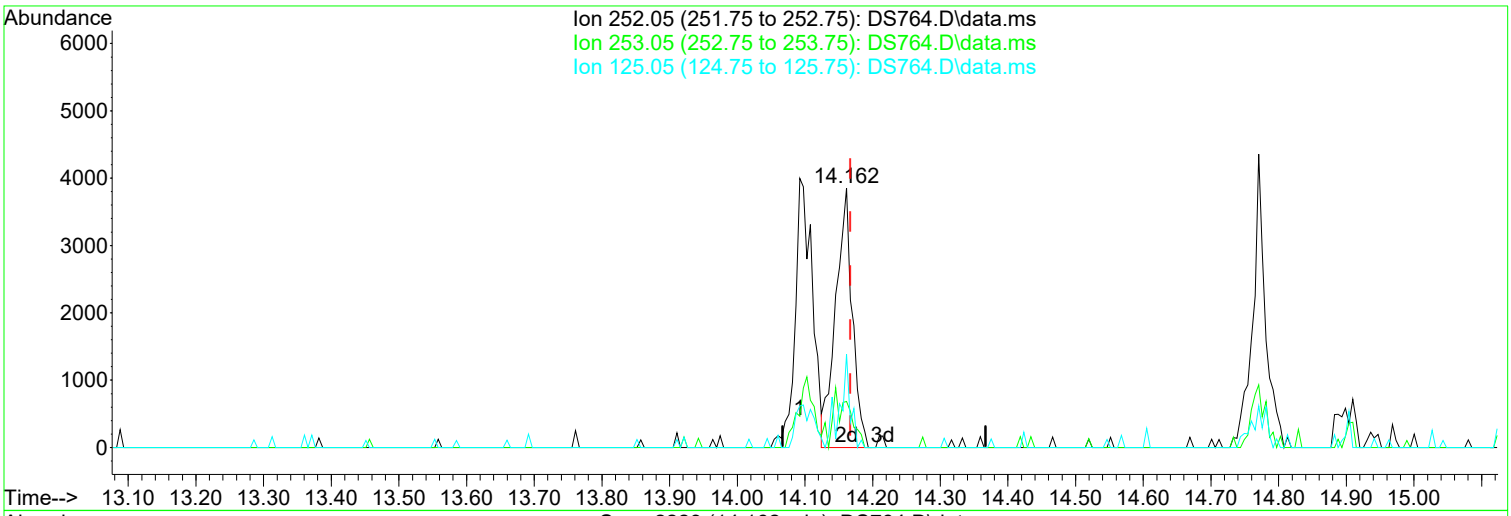
Quant Time: Jul 05 12:05:57 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jul 05 09:32:54 2019
Response via : Initial Calibration

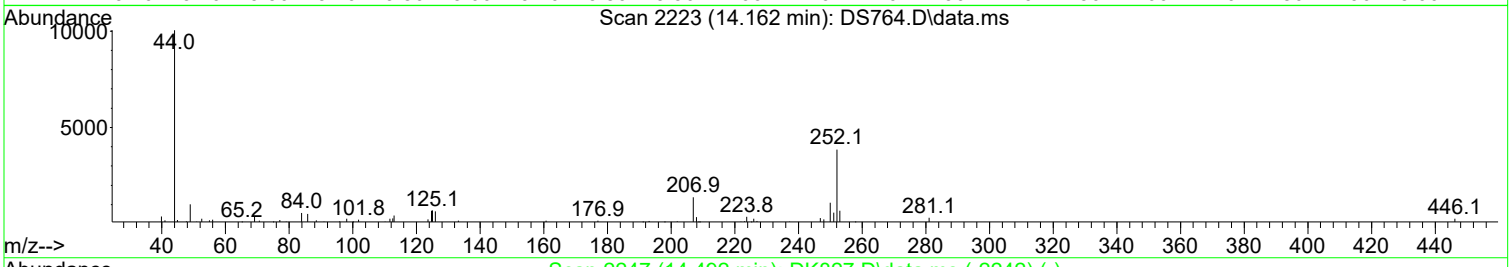


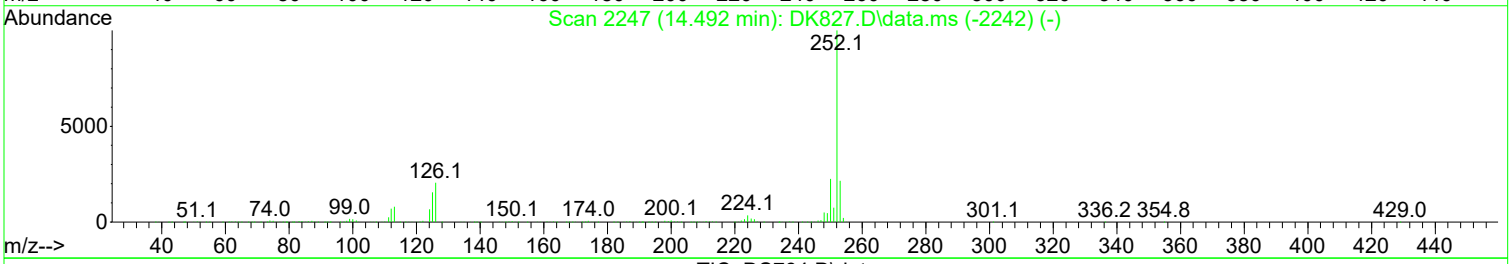
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS764.D
Acq On : 2 Jul 2019 6:05 pm
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 05 08:56:19 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration







TIC: DS764.D\data.ms

(139) Benzo(k)fluoranthene (TM)

14.162min (-0.006) 0.94 ppm m

response 6562

Ion	Exp%	Act%
252.05	100.00	100.00
253.05	21.90	17.71
125.05	11.10	18.02
0.00	0.00	0.00

Manual Integration:

After

Wrong peak selected.

07/05/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS764.D
Acq On : 2 Jul 2019 6:05 pm
Operator : JMisiurewicz
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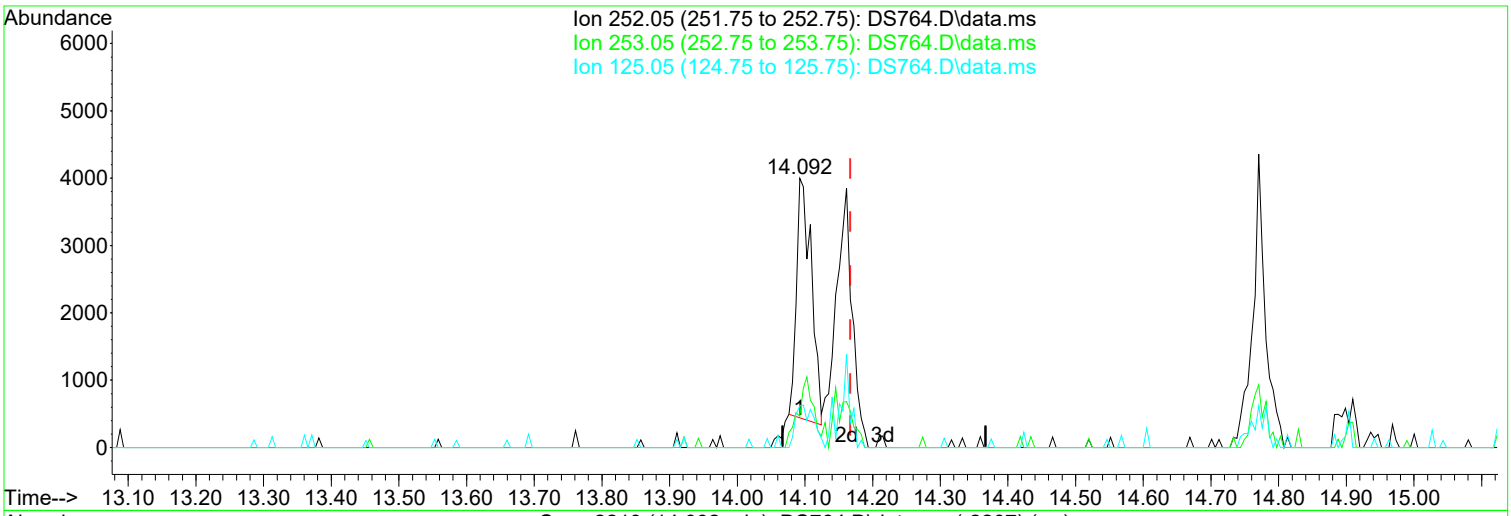
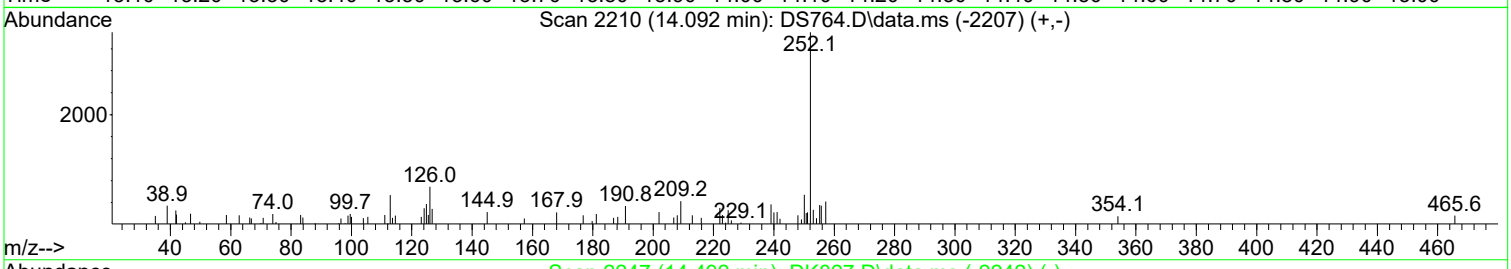
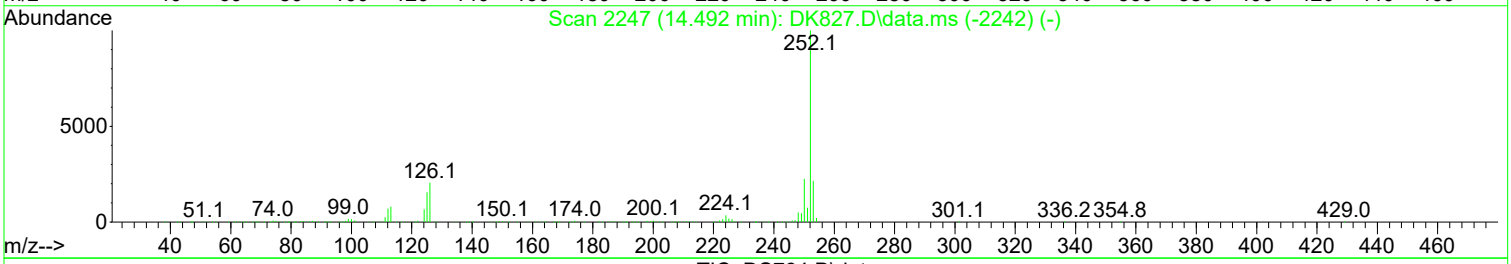
Misc : Initial Calibration 8270D/625
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 05 08:56:19 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration







TIC: DS764.D\data.ms

(139) Benzo(k)fluoranthene (TM)

14.092min (-0.075) 0.77 ppm

response 5407

Ion	Exp%	Act%
252.05	100.00	100.00
253.05	21.90	7.67
125.05	11.10	15.56
0.00	0.00	0.00

Manual Integration:

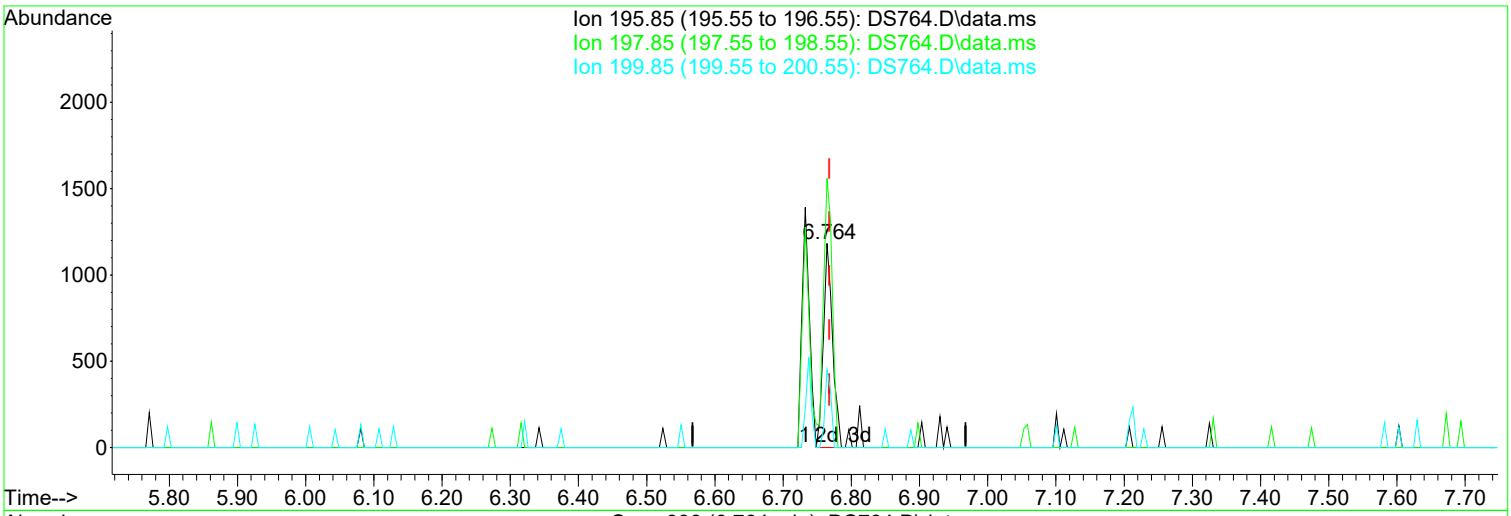
Before

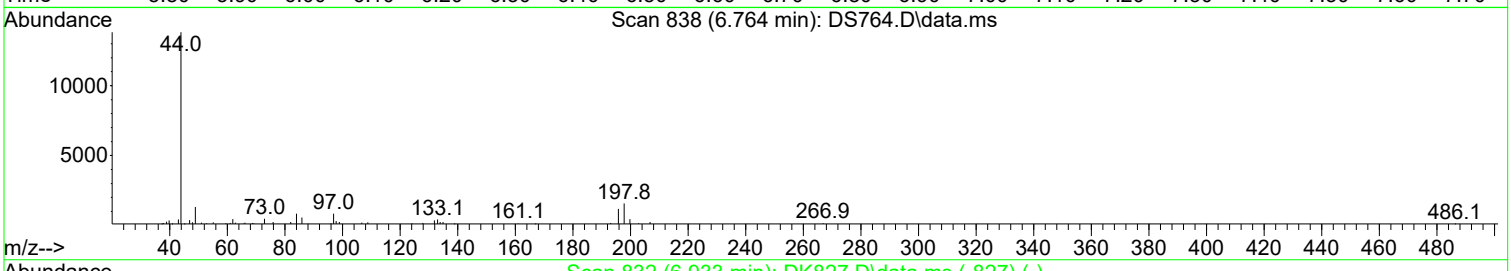
07/05/19

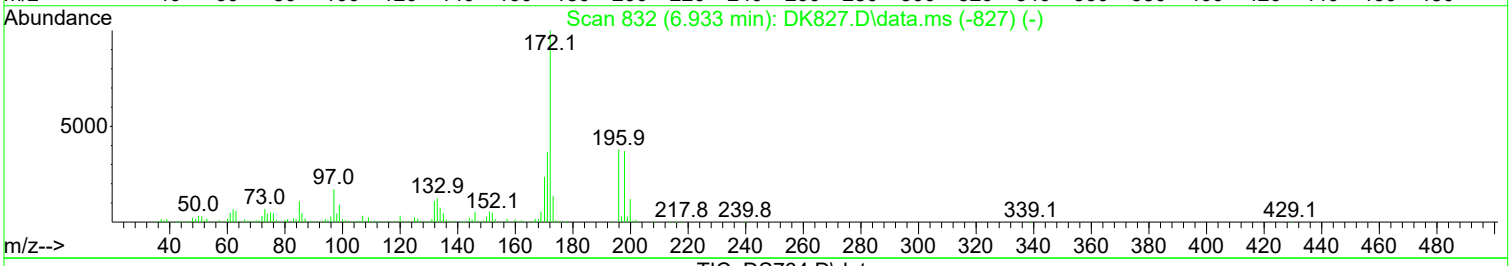
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS764.D
Acq On : 2 Jul 2019 6:05 pm
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 05 08:56:19 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration







TIC: DS764.D\data.ms

(62) 2,4,5-Trichlorophenol (TM)

6.764min (-0.003) 0.87 ppm m

response 1113

Ion	Exp%	Act%
195.85	100.00	100.00
197.85	92.30	131.90#
199.85	28.40	38.16
0.00	0.00	0.00

Manual Integration:

After

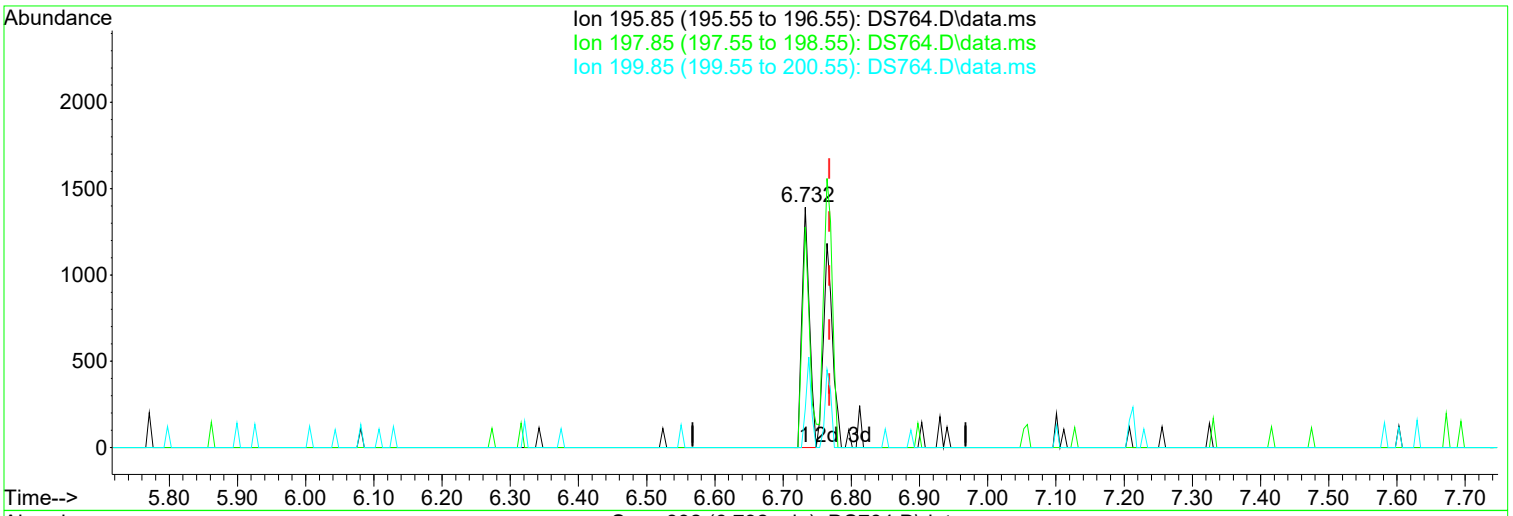
Wrong peak selected.

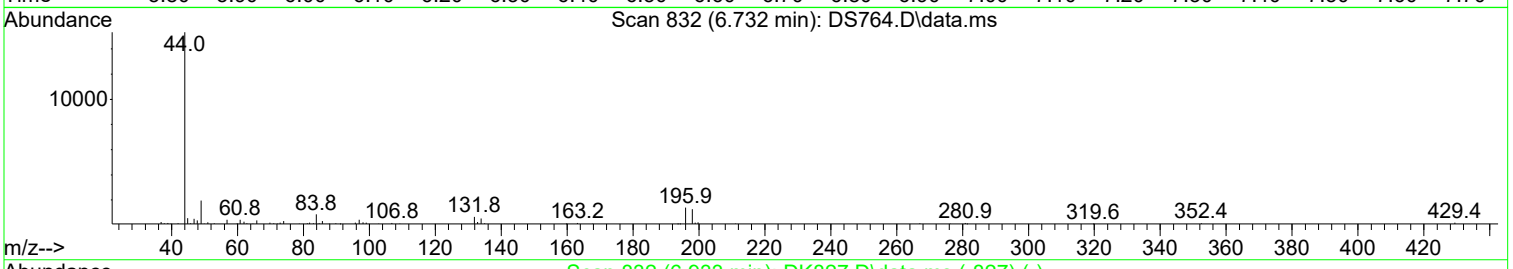
07/05/19

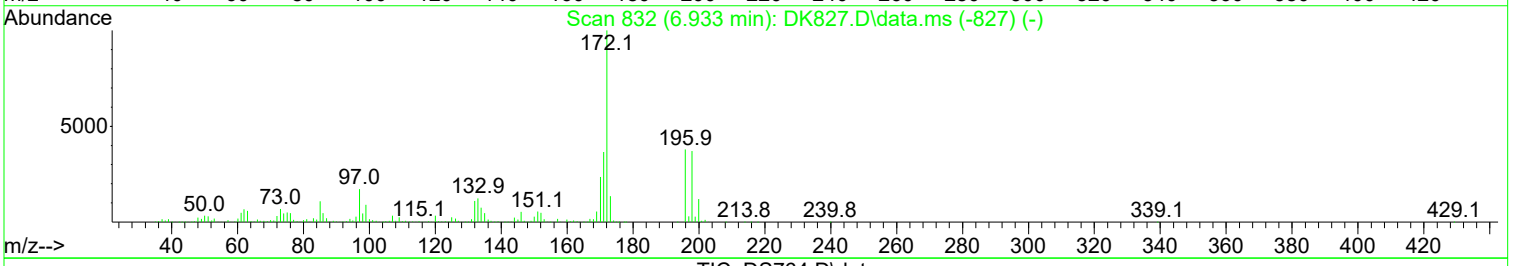
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS764.D
Acq On : 2 Jul 2019 6:05 pm
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 05 08:56:19 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration







TIC: DS764.D\data.ms

(62) 2,4,5-Trichlorophenol (TM)

6.732min (-0.036) 0.83 ppm

response 1058

Ion	Exp%	Act%
195.85	100.00	100.00
197.85	92.30	91.74
199.85	28.40	16.09
0.00	0.00	0.00

Manual Integration:

Before

07/05/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS764.D
Acq On : 2 Jul 2019 6:05 pm
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 05 08:56:19 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.622	152	65832	40.00	ppm		0.00
33) d8-Naphthalene	5.781	136	241907	40.00	ppm		0.00
57) d10-Acenaphthene	7.480	164	123824	40.00	ppm		0.00
91) d10-Phenanthrene	8.943	188	197432	40.00	ppm		0.00
117) d12-Chrysene	12.095	240	255345	40.00	ppm		0.00
135) d12-Perylene	14.904	264	233254	40.00	ppm		0.00
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.560	112	2554	1.12	ppm		0.00
Spiked Amount 100.000	Range 10 - 70		Recovery = 1.12%#				
12) SURR2,PHENOL-D6	4.275	99	2950	1.05	ppm		0.00
Spiked Amount 100.000	Range 10 - 107		Recovery = 1.05%#				
34) SURR4,NITROBENZENE-D5	5.109	82	2844	1.04	ppm		0.00
Spiked Amount 50.000	Range 31 - 110		Recovery = 2.08%#				
63) SURR5,2-FLUOROBIPHENYL	6.823	172	4120	0.94	ppm		0.00
Spiked Amount 50.000	Range 31 - 118		Recovery = 1.88%#				
88) SURR3,2,4,6-TRIBROMOPH...	8.254	330	829	1.00	ppm		0.00
Spiked Amount 100.000	Range 35 - 141		Recovery = 1.00%#				
124) SURR6,TERPHENYL-D14	10.599	244	5232	0.94	ppm		0.00
Spiked Amount 50.000	Range 10 - 165		Recovery = 1.88%#				
Target Compounds							Qvalue
2) Pyridine	2.689	79	2672	1.051	ppm	#	62
3) N-Nitrosodimethylamine	2.625	74	1095	0.760	ppm		83
4) 2-Picoline	3.191	93	2122	0.902	ppm		96
5) N-Nitrosomethylamine	3.234	42	1850	1.197	ppm		74
6) Methyl Methansulfonate	3.453	80	1147	0.985	ppm		74
8) N-Nitrosodiethylamine	3.752	102	1189	1.064	ppm		81
9) Ethyl Mathanesulfonate	3.976	79	2111	1.140	ppm		79
10) Benzaldehyde	4.259	106	4576	2.562	ppm	#	83
11) Aniline	4.339	93	2924	0.863	ppm		87
13) Phenol	4.291	94	2522	0.904	ppm		77
14) bis(2-Clethyl)Ether	4.387	93	2530	1.108	ppm		89
15) Pentachloroethane	4.387	117	1023	1.136	ppm	#	45
16) 2-Chlorophenol	4.436	128	1628	0.726	ppm	#	40
17) 1,3-Diclbenzene	4.574	146	2352	0.919	ppm		78
18) 1,4-Dichlorobenzene	4.638	146	2658	0.985	ppm		87
19) 1,2-Diclbenzene	4.772	146	1991	0.784	ppm	#	50
20) Benzyl Alcohol	4.729	79	1892	0.910	ppm	#	70
21) 1-Methyl-2-pyrrolidinone	4.820	99	911	0.703	ppm	#	39
22) 2,2'-oxybis(1-Chloropr...	4.852	45	3695	1.073	ppm		87
23) 2-Methylphenol	4.815	108	1847	0.904	ppm		96
24) 3+4-Methylphenol	4.954	108	1950	0.853	ppm		99
25) Acetophenone	4.975	105	3282	1.038	ppm	#	47
26) N-Nitroso-Di-n-propyla...	4.970	70	1915	1.010	ppm		87
27) N-Nitrosopyrrolidine	4.964	100	1132	0.975	ppm	#	63
28) N-Nitrosomorpholine	4.991	56	1492	0.928	ppm		98
29) o-Toluidine	5.002	106	3092	0.900	ppm		96
30) Hexachloroethane	5.071	117	1064	0.969	ppm	#	45
31) o,o,o-Triethylphosphor...	5.525	198	1053	0.998	ppm		60
32) Alpha-terpinol	5.814	121	941	1.217	ppm		80
35) Nitrobenzene	5.125	77	2426	0.912	ppm		80
36) N-Nitrosopiperidine	5.269	42	1845	0.998	ppm		87
37) Isophorone	5.349	82	4552	1.024	ppm		96
38) 2-Nitrophenol	5.418	139	1372	1.085	ppm	#	68

Quantitation Report (QT Reviewed)

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Acq On : 2 Jul 2019 6:05 pm
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 05 08:56:19 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39)	2,4-Dimethylphenol	5.450	107	2192	0.894	ppm		84
40)	bis(-2-Chloroethoxy)Me...	5.546	93	2506	0.844	ppm		90
41)	Benzoic Acid	5.477	105	3226	1.952	ppm	#	41
42)	2,4-Dichlorophenol	5.637	162	1496	0.807	ppm	#	71
44)	1,2,4-Trichlorobenzene	5.723	180	2466	1.145	ppm	#	79
45)	Naphthalene	5.803	128	6171	0.885	ppm		94
46)	4-Chloroaniline	5.851	127	2792	0.999	ppm		89
47)	2,6-Dichlorophenol	5.856	162	2052	1.049	ppm		58
48)	Hexachlorobutadiene	5.926	225	1211	0.987	ppm		86
49)	Hexachloropropene	5.888	213	1155	0.819	ppm		77
50)	4-Chloro-3-methylphenol	6.305	107	1767	0.951	ppm		78
51)	N-N-di-n-butylamine	6.177	84	2187	1.179	ppm	#	61
52)	Caprolactam	6.203	113	297	0.502	ppm	#	43
53)	p-Phenylenediamine	6.193	80	1265	1.133	ppm	#	55
54)	Safrole	6.385	162	1727	1.029	ppm		84
55)	2-Methylnaphthalene	6.465	142	4390	0.940	ppm		95
56)	1-Methylnaphthalene	6.561	142	3719	0.843	ppm		86
58)	Hexachlorocyclopentadiene	6.620	237	1076	0.875	ppm		98
59)	1,2,4,5-Tetrachloroben...	6.625	216	1723	0.927	ppm		71
60)	1,2,3,4-Tetrachloroben...	6.903	216	1456	0.856	ppm		80
61)	2,4,6-Trichlorophenol	6.732	196	1058	0.866	ppm		91
62)	2,4,5-Trichlorophenol	6.764	196	1113m	0.869	ppm		
64)	Isosafrole	6.887	104	847	1.018	ppm		85
65)	1,1'-Biphenyl	6.919	154	4451	0.950	ppm	#	68
66)	2-Chloronaphthalene	6.935	162	3774	0.977	ppm		91
67)	2-Nitroaniline	7.031	65	974	0.857	ppm		89
68)	1,4-Naphthoquinone	7.106	158	1178	1.000	ppm		92
69)	m-Dinitrobenzene	7.234	168	644	0.957	ppm	#	51
70)	Acenaphthylene	7.341	152	5847	0.912	ppm		93
71)	Dimethyl phthalate	7.218	163	3524	0.877	ppm		75
72)	2,6-Dinitrotoluene	7.272	165	803	0.903	ppm	#	42
73)	Acenaphthene	7.512	153	4490	1.010	ppm	#	82
74)	3-Nitroaniline	7.432	138	1064	1.060	ppm		95
75)	2,4-Dinitrophenol	7.539	184	339	0.513	ppm	#	54
76)	Dibenzofuran	7.683	168	4947	0.951	ppm		91
77)	2,4-Dinitrotoluene	7.662	165	1116	0.887	ppm	#	64
78)	4-Nitrophenol	7.581	65	820	0.826	ppm	#	47
79)	Pentachlorobenzene	7.640	250	1542	0.923	ppm		80
80)	1-Napthylamine	7.752	143	1861	0.891	ppm		88
81)	2-Napthylamine	7.832	143	3659	1.086	ppm		83
82)	2,3,4,6-Tetrachlorophenol	7.800	232	826	0.785	ppm		71
83)	Fluorene	8.019	166	4597	1.005	ppm		86
84)	4-Chlorophenyl-phenyle...	8.025	204	1997	0.941	ppm		89
85)	Diethylphthalate	7.918	149	4348	1.019	ppm		91
86)	4-Nitroaniline	8.025	138	1012	0.919	ppm		93
87)	5-Nitro-o-toluidine	8.025	152	1175	0.973	ppm		82
89)	Sulfotepp	8.313	322	528	0.740	ppm	#	31
90)	Octachlorocyclopentene	8.276	307	646	0.803	ppm	#	60
92)	Thionazin	7.998	107	544	0.903	ppm		96
94)	Diphenylamine	8.137	169	7053	2.238	ppm		94
95)	1,2 Diphenylhydrazine	8.180	77	5148	1.191	ppm		83
96)	N-Nitrosodiphenylamine	8.137	169	7053	2.238	ppm		94
97)	1,3,5-Trinirobenzene	8.383	74	423	0.596	ppm		89
98)	Diallate	8.431	86	1801	1.316	ppm		76
99)	Phorate	8.436	121	511	0.710	ppm	#	45
100)	Phenacetin	8.436	108	1874	0.908	ppm		90

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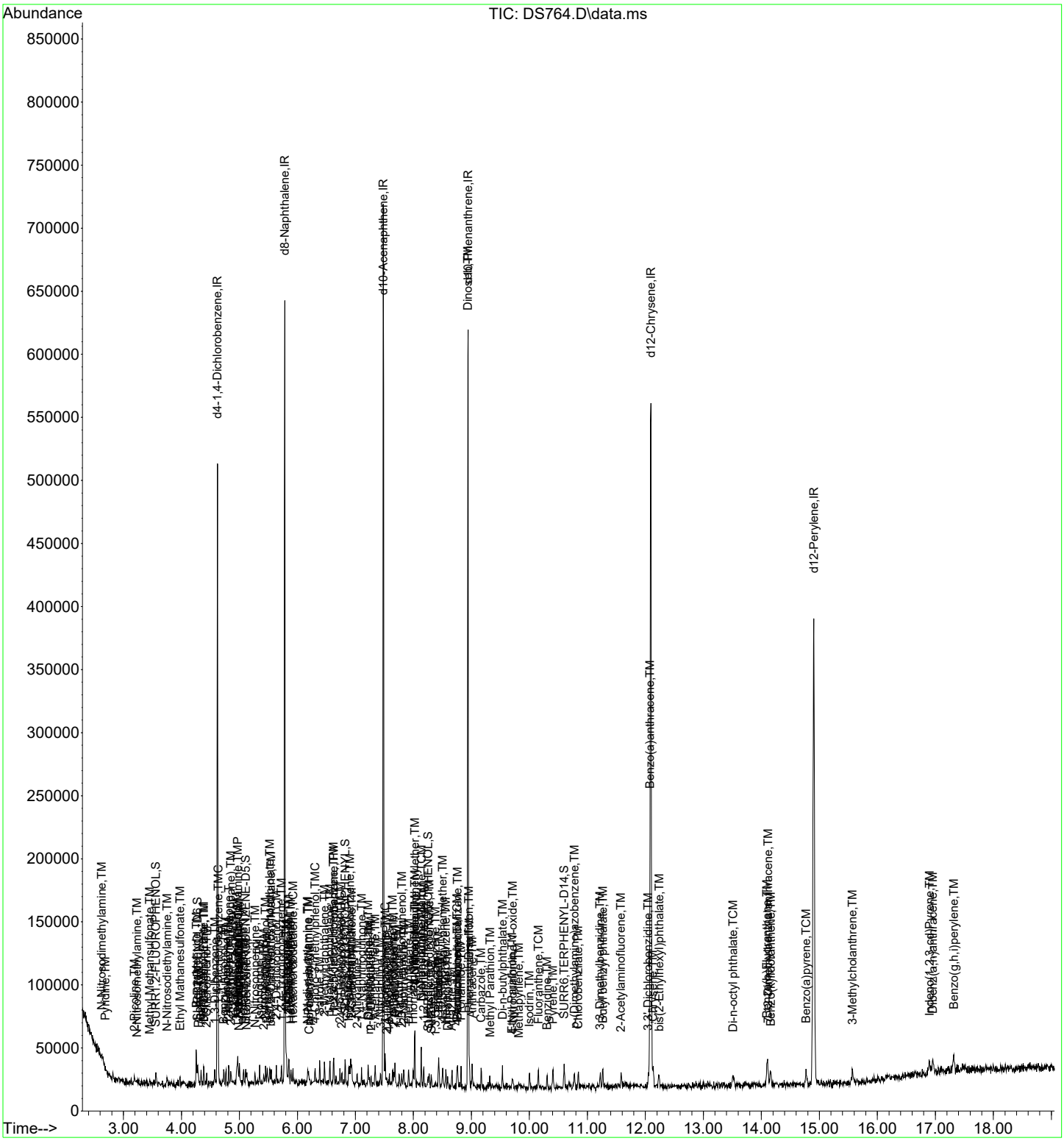
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
101) 4-Bromophenyl-phenylether	8.505	248	1429	1.164	ppm	#	82
102) Hexachlorobenzene	8.559	284	1259	0.908	ppm		93
103) Dimethoate	8.591	87	1573	1.256	ppm		91
104) Atrazine	8.660	215	645	1.275	ppm	#	41
105) Pentachlorophenol	8.751	266	892	0.970	ppm	#	62
106) 4-Aminobiphenyl	8.756	169	3783	0.997	ppm		95
107) Pentachloronitrobenzene	8.762	237	233	0.448	ppm	#	1
108) Pronamide	8.821	173	1641	0.926	ppm		81
109) Dinoseb	8.938	211	536	0.464	ppm	#	16
110) Disulfoton	8.954	88	1987	0.874	ppm		79
111) Phenanthrene	8.965	178	6095	1.014	ppm		87
112) Anthracene	9.013	178	5367	0.909	ppm		90
113) Carbazole	9.168	167	4998	0.955	ppm		88
114) Di-n-butylphthalate	9.536	149	6364	0.942	ppm		94
115) 4-Nitroquinonline-1-oxide	9.713	190	284	0.468	ppm		74
116) Fluoranthene	10.156	202	5992	0.903	ppm		90
118) Methyl Parathion	9.323	109	829	0.736	ppm	#	51
119) Ethyl Parathion	9.702	97	647	0.635	ppm		92
120) Methapyrilene	9.819	58	1378	1.099	ppm		73
121) Isodrin	10.001	193	719	0.949	ppm	#	37
122) Benzidine	10.305	184	3837	0.900	ppm		95
123) Pyrene	10.407	202	6455	0.807	ppm		89
126) p-(Dimethylamino)azobe...	10.775	120	2092	0.994	ppm		94
127) Chlorobenzilate	10.839	139	2418	0.901	ppm		58
128) Butyl benzyl phthalate	11.267	149	2873	0.751	ppm		98
129) 3,3-Dimethylbenzidine	11.219	212	3912	0.859	ppm		88
130) 2-Acetylaminofluorene	11.577	181	2407	0.847	ppm		58
131) 3,3'-Dichlorobenzidine	12.047	252	2655	0.887	ppm		76
132) Benzo(a)anthracene	12.079	228	8413	1.007	ppm		96
133) Chrysene	12.132	228	7979	0.993	ppm		78
134) bis(2-Ethylhexyl)phtha...	12.239	149	4188	0.806	ppm		90
136) Di-n-octyl phthalate	13.510	149	6088	0.812	ppm		96
137) 7,12-Dimethylbenz(a)an...	14.114	256	3146	0.926	ppm		73
138) Benzo(b)Fluoranthene	14.092	252	7020	0.901	ppm		81
139) Benzo(k)fluoranthene	14.162	252	6562m	0.938	ppm		
140) Benzo(a)pyrene	14.771	252	5797	0.884	ppm		98
141) 3-Methylcholanthrene	15.572	268	3595	1.035	ppm		79
142) Indeno(1,2,3-cd)Pyrene	16.902	276	5715	0.986	ppm		99
143) Dibenz(a,h)anthracene	16.955	278	5418	0.877	ppm		96
144) Benzo(g,h,i)perylene	17.318	276	5891	0.987	ppm		91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS764.D
Acq On : 2 Jul 2019 6:05 pm
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 4 Sample Multiplier: 1

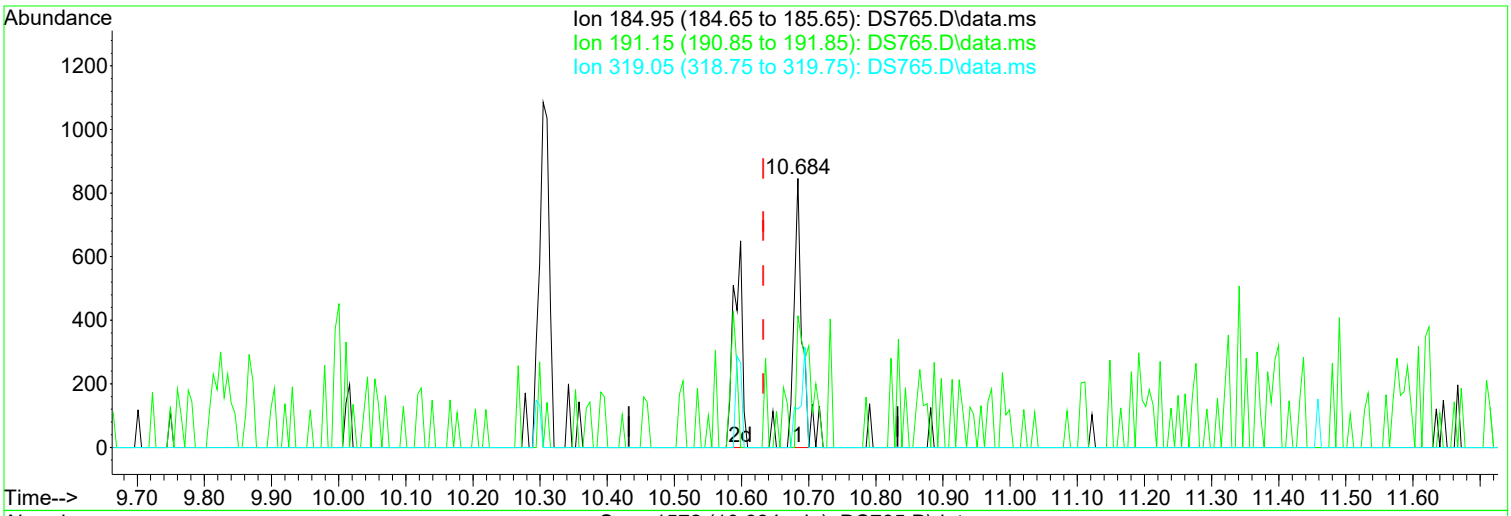
Quant Time: Jul 05 08:56:19 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration

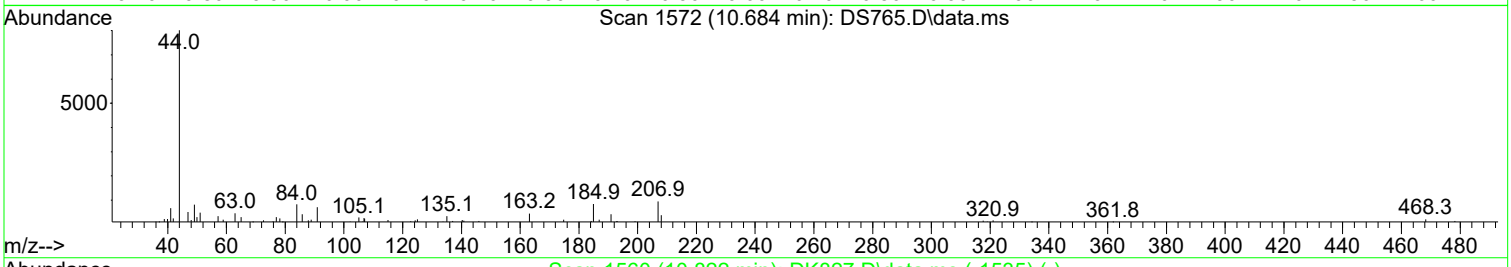


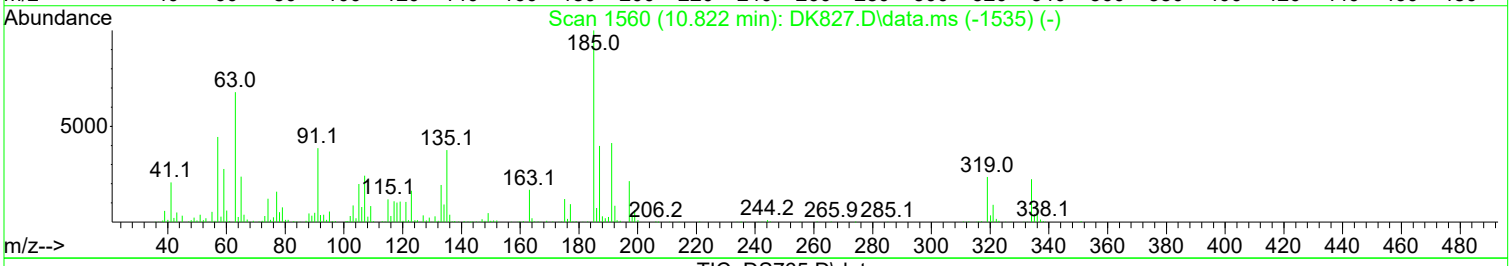
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS765.D
Acq On : 2 Jul 2019 6:34 pm
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 05 08:56:24 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration







TIC: DS765.D\data.ms

(125) Aramite (TM)

10.684min (+ 0.051) 2.67 ppm m

response 1379

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	51.70	48.94
319.05	19.90	14.18
0.00	0.00	0.00

Manual Integration:

After

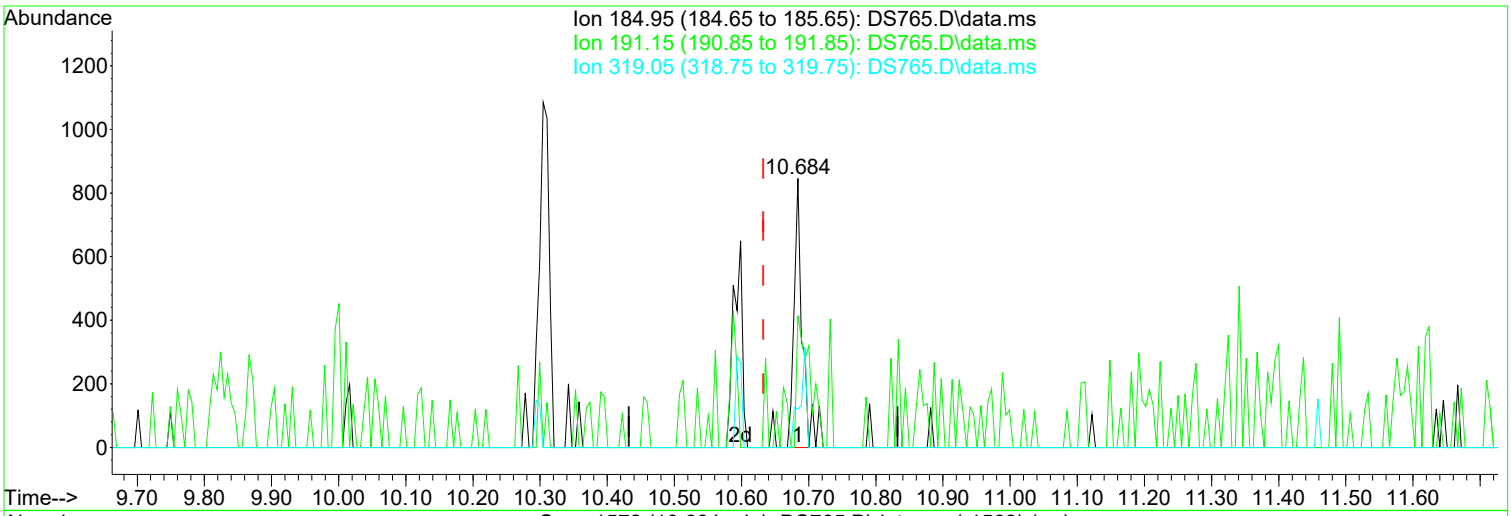
Poor integration.

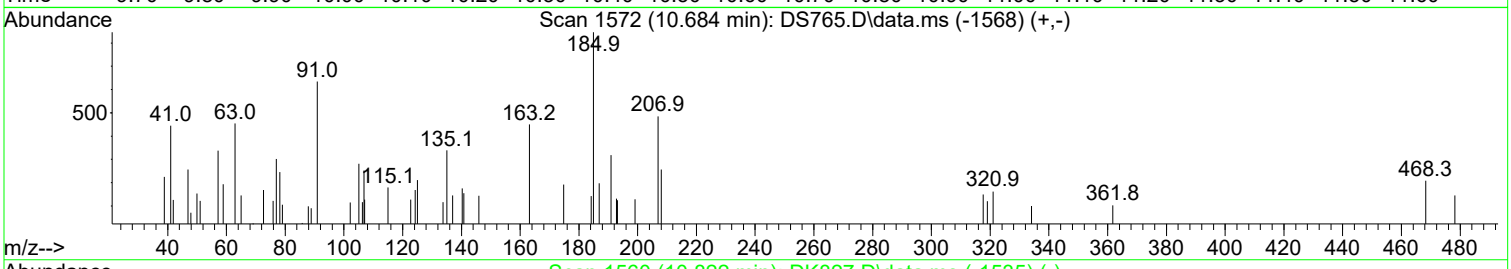
07/05/19

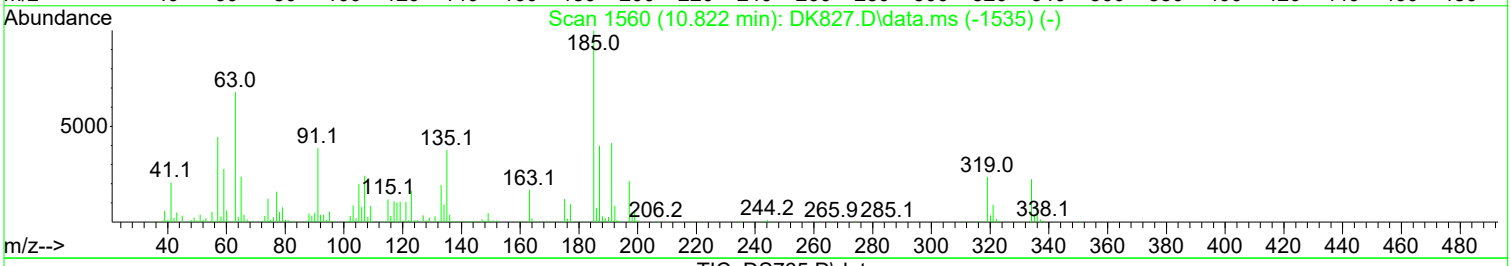
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS765.D
Acq On : 2 Jul 2019 6:34 pm
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 05 08:56:24 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration







TIC: DS765.D\data.ms

(125) Aramite (TM)

10.684min (+ 0.051) 1.45 ppm

response 749

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	51.70	37.77
319.05	19.90	14.18
0.00	0.00	0.00

Manual Integration:

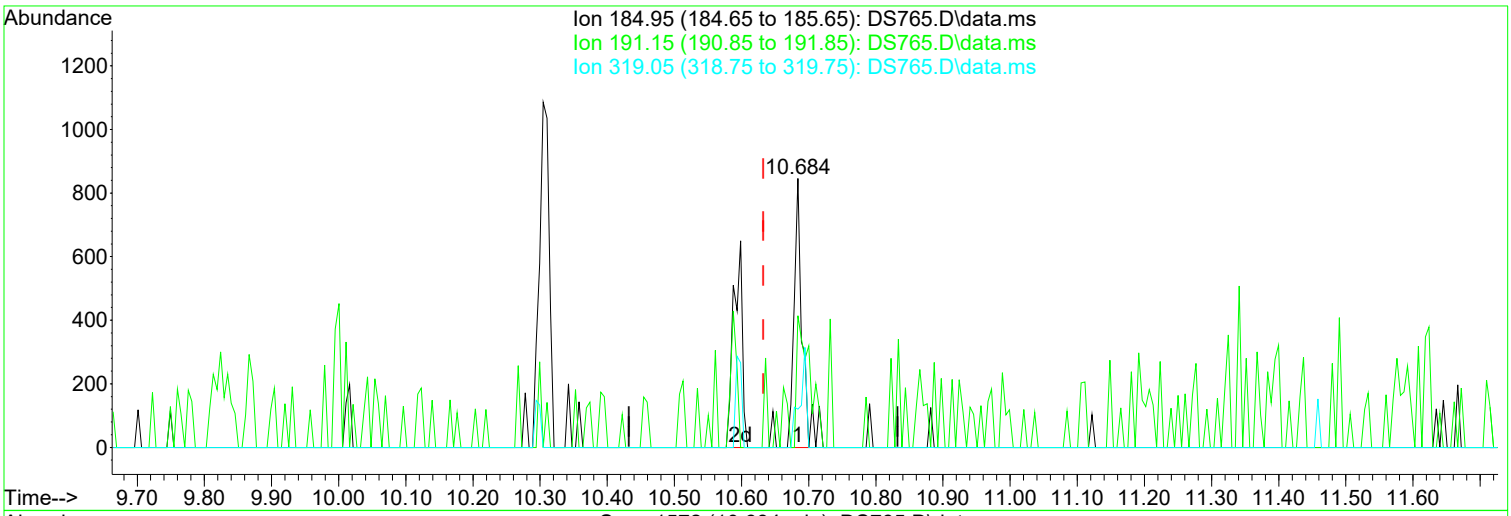
Before

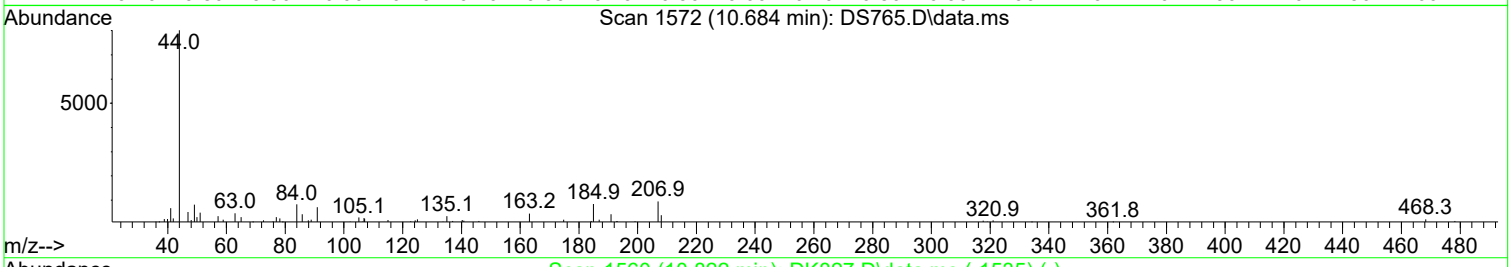
07/05/19

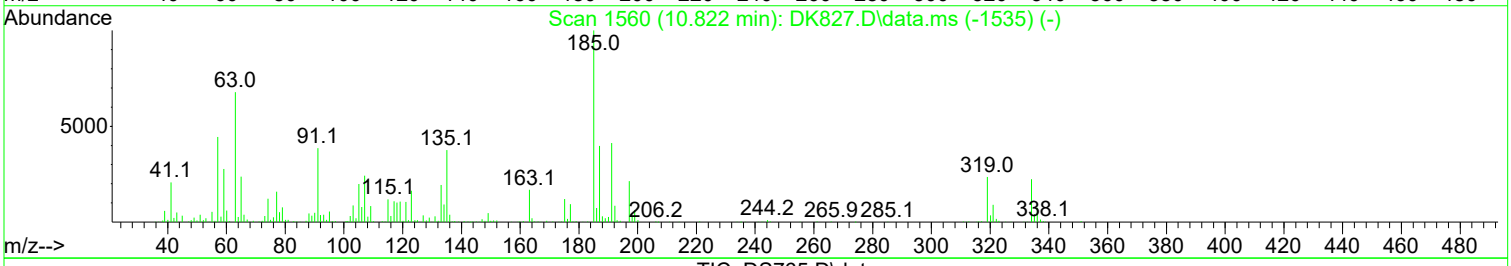
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS765.D
Acq On : 2 Jul 2019 6:34 pm
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 05 08:56:24 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration







TIC: DS765.D\data.ms

(125) Aramite (TM)

10.684min (+ 0.051) 2.67 ppm m

response 1379

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	51.70	48.94
319.05	19.90	14.18
0.00	0.00	0.00

Manual Integration:

After

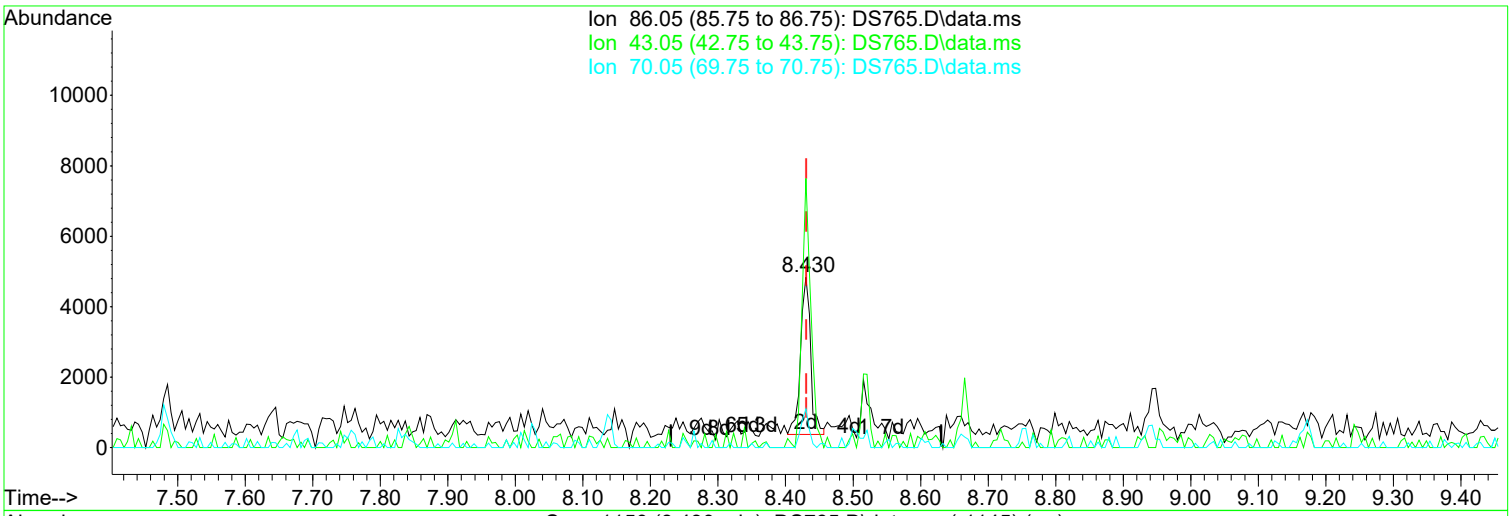
Split Peak.

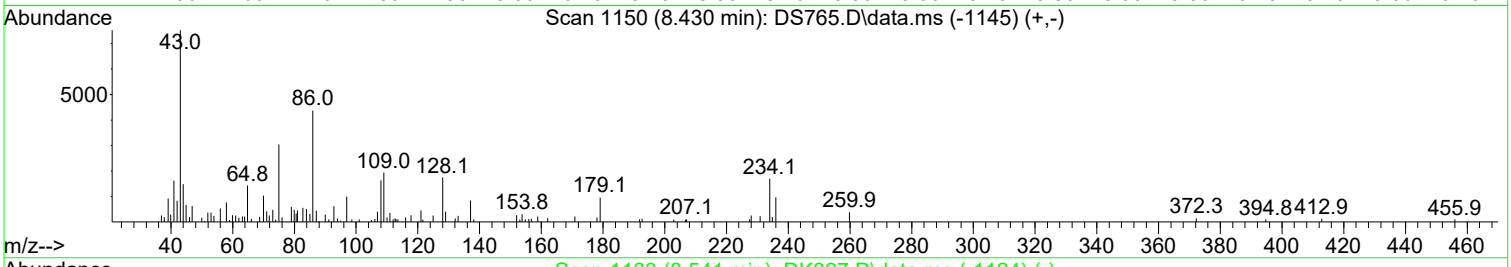
07/05/19

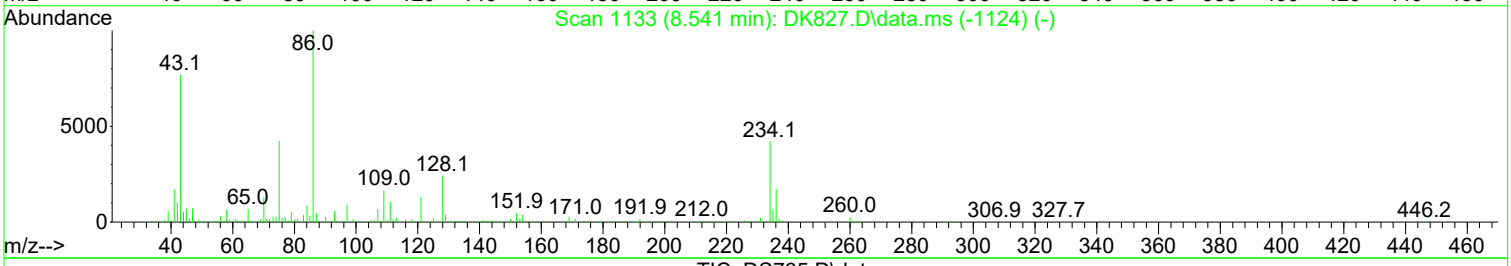
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS765.D
Acq On : 2 Jul 2019 6:34 pm
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 05 08:56:24 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration







TIC: DS765.D\data.ms

(98) Diallate (TM)

8.430min (-0.001) 2.88 ppm m

response 4675

Ion	Exp%	Act%
86.05	100.00	100.00
43.05	118.00	157.94
70.05	22.90	22.64
0.00	0.00	0.00

Manual Integration:

After

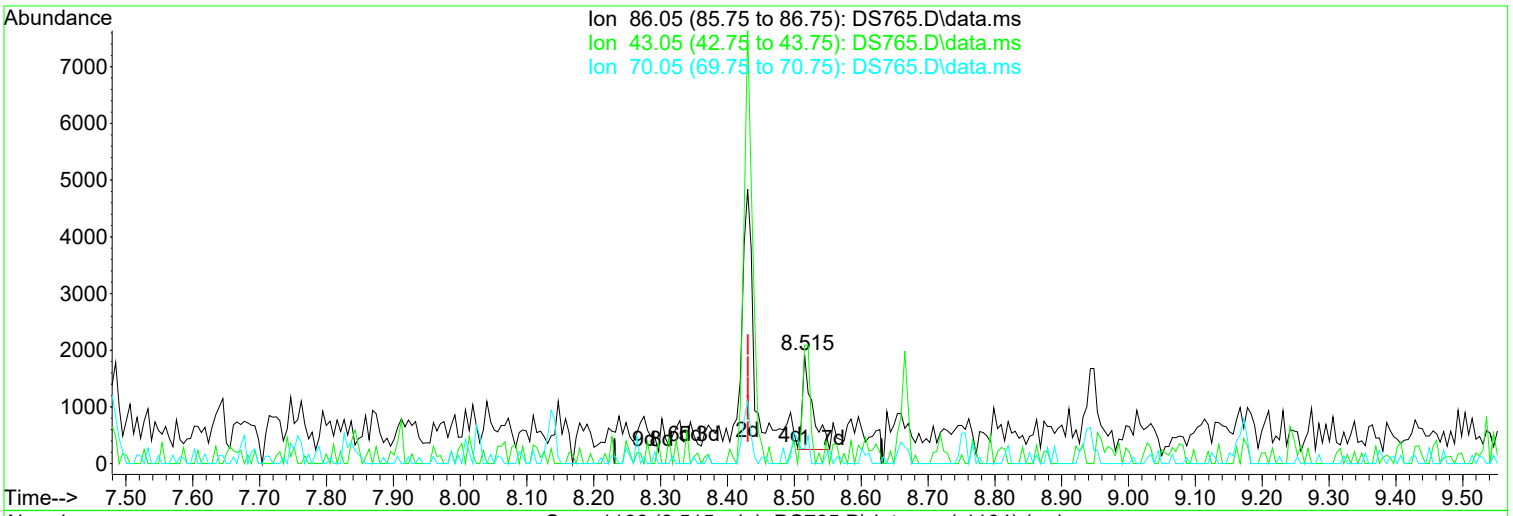
Wrong peak selected.

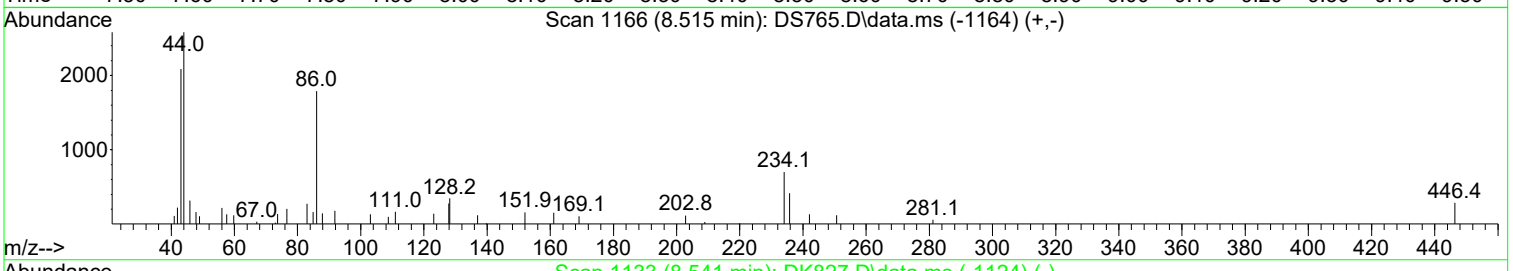
07/05/19

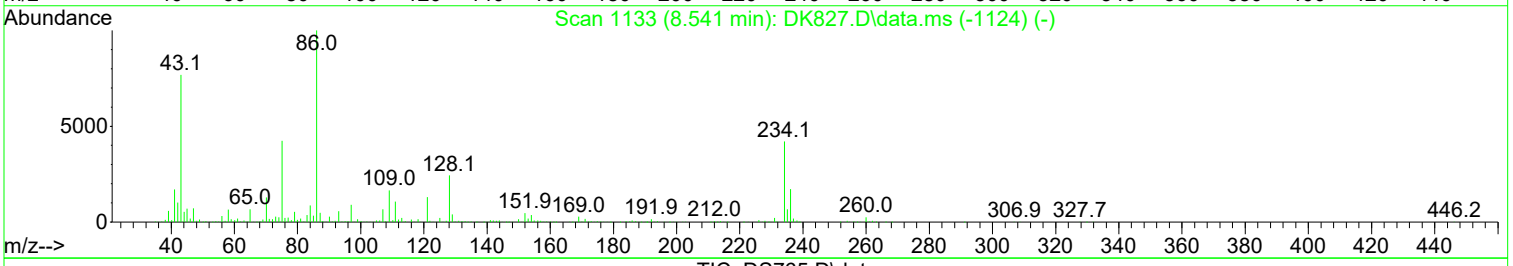
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS765.D
Acq On : 2 Jul 2019 6:34 pm
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 05 08:56:24 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration







TIC: DS765.D\data.ms

(98) Diallate (TM)

8.515min (+ 0.084) 1.07 ppm

response 1735

Ion	Exp%	Act%
86.05	100.00	100.00
43.05	118.00	126.76
70.05	22.90	0.00
0.00	0.00	0.00

Manual Integration:

Before

07/05/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS765.D
Acq On : 2 Jul 2019 6:34 pm
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 05 08:56:24 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.622	152	65446	40.00	ppm		0.00
33) d8-Naphthalene	5.781	136	234013	40.00	ppm		0.00
57) d10-Acenaphthene	7.479	164	126718	40.00	ppm		0.00
91) d10-Phenanthrene	8.943	188	234118	40.00	ppm		0.00
117) d12-Chrysene	12.094	240	247575	40.00	ppm		0.00
135) d12-Perylene	14.903	264	240869	40.00	ppm		0.00
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.559	112	5590	2.46	ppm		0.00
Spiked Amount 100.000	Range 10 - 70		Recovery = 2.46%#				
12) SURR2,PHENOL-D6	4.275	99	6746	2.42	ppm		0.00
Spiked Amount 100.000	Range 10 - 107		Recovery = 2.42%#				
34) SURR4,NITROBENZENE-D5	5.108	82	7025	2.65	ppm		0.00
Spiked Amount 50.000	Range 31 - 110		Recovery = 5.30%#				
63) SURR5,2-FLUOROBIPHENYL	6.828	172	11633	2.58	ppm		0.00
Spiked Amount 50.000	Range 31 - 118		Recovery = 5.16%#				
88) SURR3,2,4,6-TRIBROMOPH...	8.254	330	2351	2.77	ppm		0.00
Spiked Amount 100.000	Range 35 - 141		Recovery = 2.77%#				
124) SURR6,TERPHENYL-D14	10.598	244	13609	2.51	ppm		0.00
Spiked Amount 50.000	Range 10 - 165		Recovery = 5.02%#				
Target Compounds							Qvalue
2) Pyridine	2.656	79	6213	2.459	ppm		84
3) N-Nitrosodimethylamine	2.619	74	3153	2.201	ppm	#	57
4) 2-Picoline	3.174	93	5267	2.252	ppm		94
5) N-Nitrosomethylamine	3.233	42	3496	2.276	ppm		84
6) Methyl Methansulfonate	3.447	80	2714	2.345	ppm		94
8) N-Nitrosodiethylamine	3.746	102	2564	2.308	ppm		87
9) Ethyl Mathanesulfonate	3.970	79	4925	2.675	ppm		78
10) Benzaldehyde	4.253	106	9918	5.586	ppm		91
11) Aniline	4.339	93	8543	2.538	ppm		91
13) Phenol	4.285	94	7115	2.565	ppm		96
14) bis(2-Clethyl)Ether	4.387	93	5058	2.229	ppm		87
15) Pentachloroethane	4.387	117	2251	2.514	ppm		65
16) 2-Chlorophenol	4.440	128	5281	2.369	ppm		94
17) 1,3-Diclbenzene	4.574	146	6155	2.418	ppm		92
18) 1,4-Dichlorobenzene	4.638	146	6805	2.536	ppm		94
19) 1,2-Diclbenzene	4.771	146	6790	2.688	ppm		90
20) Benzyl Alcohol	4.729	79	4292	2.077	ppm		79
21) 1-Methyl-2-pyrrolidinone	4.793	99	2365	1.835	ppm	#	42
22) 2,2'-oxybis(1-Chloropr...	4.857	45	9066	2.647	ppm		90
23) 2-Methylphenol	4.814	108	4782	2.355	ppm		81
24) 3+4-Methylphenol	4.953	108	5588	2.460	ppm		99
25) Acetophenone	4.969	105	8143	2.591	ppm		87
26) N-Nitroso-Di-n-propyla...	4.969	70	4975	2.640	ppm	#	75
27) N-Nitrosopyrrolidine	4.953	100	2429	2.105	ppm		82
28) N-Nitrosomorpholine	4.980	56	4034	2.523	ppm		69
29) o-Toluidine	5.001	106	8012	2.345	ppm		91
30) Hexachloroethane	5.076	117	2337	2.141	ppm	#	42
31) o,o,o-Triethylphosphor...	5.524	198	2250	2.145	ppm	#	32
32) Alpha-terpinol	5.813	121	1865	2.426	ppm		78
35) Nitrobenzene	5.124	77	7238	2.812	ppm		89
36) N-Nitrosopiperidine	5.263	42	4261	2.384	ppm		89
37) Isophorone	5.348	82	9994	2.324	ppm		89
38) 2-Nitrophenol	5.418	139	2880	2.353	ppm		77

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS765.D
Acq On : 2 Jul 2019 6:34 pm
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 05 08:56:24 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) 2,4-Dimethylphenol	5.450	107	6382	2.689	ppm	#	80
40) bis(-2-Chloroethoxy)Me...	5.551	93	6057	2.109	ppm		95
41) Benzoic Acid	5.487	105	5282	3.304	ppm		82
42) 2,4-Dichlorophenol	5.642	162	4047	2.256	ppm		77
43) a,a-Dimethylphenethyla...	5.674	58	7214	1.339	ppm		83
44) 1,2,4-Trichlorobenzene	5.727	180	4738	2.274	ppm		86
45) Naphthalene	5.802	128	17232	2.554	ppm		92
46) 4-Chloroaniline	5.850	127	6208	2.297	ppm		89
47) 2,6-Dichlorophenol	5.856	162	4080	2.156	ppm		77
48) Hexachlorobutadiene	5.925	225	2857	2.407	ppm		93
49) Hexachloropropene	5.888	213	2908	2.132	ppm		65
50) 4-Chloro-3-methylphenol	6.304	107	4340	2.414	ppm		90
51) N-N-di-n-butylamine	6.176	84	5360	2.988	ppm		80
52) Caprolactam	6.171	113	1341	2.345	ppm	#	42
53) p-Phenylenediamine	6.192	80	3090	2.860	ppm		92
54) Safrole	6.384	162	3910	2.409	ppm		98
55) 2-Methylnaphthalene	6.464	142	10434	2.309	ppm		95
56) 1-Methylnaphthalene	6.561	142	10084	2.363	ppm		96
58) Hexachlorocyclopentadiene	6.625	237	2925	2.324	ppm		94
59) 1,2,4,5-Tetrachloroben...	6.625	216	4849	2.548	ppm		85
60) 1,2,3,4-Tetrachloroben...	6.902	216	3818	2.194	ppm		87
61) 2,4,6-Trichlorophenol	6.737	196	2923	2.338	ppm		86
62) 2,4,5-Trichlorophenol	6.764	196	3061	2.336	ppm		92
64) Isosafrole	6.886	104	2301	2.701	ppm		95
65) 1,1'-Biphenyl	6.918	154	11853	2.471	ppm	#	89
66) 2-Chloronaphthalene	6.940	162	9784	2.475	ppm		92
67) 2-Nitroaniline	7.031	65	3014	2.592	ppm	#	79
68) 1,4-Naphthoquinone	7.105	158	3188	2.646	ppm		80
69) m-Dinitrobenzene	7.239	168	1536	2.231	ppm		79
70) Acenaphthylene	7.340	152	15830	2.412	ppm		96
71) Dimethyl phthalate	7.223	163	11044	2.686	ppm		98
72) 2,6-Dinitrotoluene	7.271	165	2418	2.657	ppm		75
73) Acenaphthene	7.511	153	11929	2.622	ppm	#	82
74) 3-Nitroaniline	7.431	138	2085	2.029	ppm	#	64
75) 2,4-Dinitrophenol	7.533	184	1087	1.607	ppm		80
76) Dibenzofuran	7.682	168	14945	2.808	ppm		97
77) 2,4-Dinitrotoluene	7.666	165	3039	2.360	ppm		91
78) 4-Nitrophenol	7.586	65	2277	2.241	ppm		84
79) Pentachlorobenzene	7.645	250	4723	2.763	ppm		81
80) 1-Napthylamine	7.757	143	6154	2.880	ppm		85
81) 2-Napthylamine	7.832	143	9986	2.897	ppm		96
82) 2,3,4,6-Tetrachlorophenol	7.800	232	2811	2.610	ppm		84
83) Fluorene	8.019	166	11844	2.531	ppm		96
84) 4-Chlorophenyl-phenyle...	8.024	204	6358	2.926	ppm		94
85) Diethylphthalate	7.917	149	12497	2.862	ppm		95
86) 4-Nitroaniline	8.029	138	2749	2.439	ppm		93
87) 5-Nitro-o-toluidine	8.024	152	3147	2.545	ppm		64
89) Sulfotepp	8.312	322	1969	2.696	ppm		90
90) Octachlorocyclopentene	8.275	307	1937	2.354	ppm		78
92) Thionazin	7.992	107	1676	2.345	ppm		84
93) 4,6-Dinitro-2-methylph...	8.061	198	1685	1.707	ppm		85
94) Diphenylamine	8.136	169	19534	5.228	ppm		91
95) 1,2 Diphenylhydrazine	8.179	77	13197	2.574	ppm		93
96) N-Nitrosodiphenylamine	8.136	169	19534	5.228	ppm		91
97) 1,3,5-Trinirobenzene	8.382	74	1421	1.689	ppm		93
98) Diallate	8.430	86	4675m	2.880	ppm		

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS765.D
Acq On : 2 Jul 2019 6:34 pm
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 05 08:56:24 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration

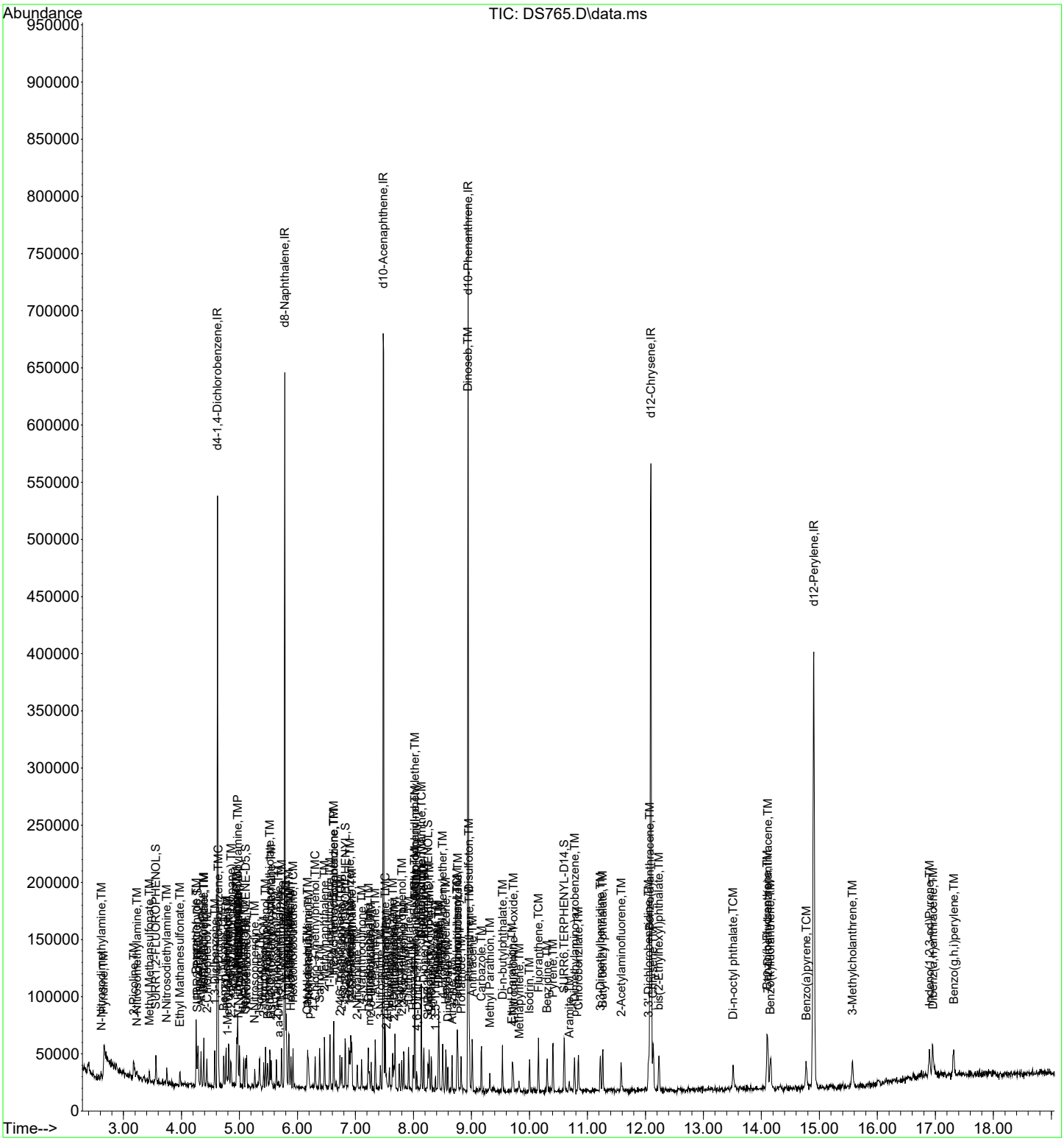
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
99) Phorate	8.435	121	1978	2.317	ppm		87
100) Phenacetin	8.441	108	5810	2.375	ppm		81
101) 4-Bromophenyl-phenylether	8.505	248	3472	2.385	ppm	#	60
102) Hexachlorobenzene	8.558	284	4210	2.559	ppm		79
103) Dimethoate	8.596	87	3646	2.456	ppm		78
104) Atrazine	8.670	215	1580	2.634	ppm	#	67
105) Pentachlorophenol	8.750	266	2648	2.428	ppm	#	74
106) 4-Aminobiphenyl	8.756	169	11105	2.467	ppm		90
107) Pentachloronitrobenzene	8.766	237	1108	1.795	ppm		90
108) Pronamide	8.825	173	3800	1.808	ppm		86
109) Dinoseb	8.937	211	2199	1.604	ppm		93
110) Disulfoton	8.953	88	7430	2.755	ppm		86
111) Phenanthrene	8.964	178	17278	2.424	ppm		96
112) Anthracene	9.018	178	17268	2.466	ppm		94
113) Carbazole	9.172	167	14448	2.328	ppm		96
114) Di-n-butylphthalate	9.536	149	16354	2.041	ppm		97
115) 4-Nitroquinonline-1-oxide	9.723	190	990	1.374	ppm	#	64
116) Fluoranthene	10.155	202	16981	2.158	ppm		93
118) Methyl Parathion	9.317	109	2617	2.397	ppm		88
119) Ethyl Parathion	9.701	97	1914	1.939	ppm		89
120) Methapyrilene	9.824	58	3420	2.813	ppm		76
121) Isodrin	10.000	193	1772	2.411	ppm		90
122) Benzidine	10.305	184	10445	2.526	ppm		90
123) Pyrene	10.406	202	18559	2.392	ppm		95
125) Aramite	10.684	185	1379m	2.674	ppm		
126) p-(Dimethylamino)azobe...	10.780	120	4677	2.291	ppm		99
127) Chlorobenzilate	10.844	139	5941	2.283	ppm		97
128) Butyl benzyl phthalate	11.261	149	10227	2.758	ppm		80
129) 3,3-Dimethylbenzidine	11.223	212	10670	2.418	ppm		96
130) 2-Acetylaminofluorene	11.581	181	5616	2.038	ppm		79
131) 3,3'-Dichlorobenzidine	12.051	252	6765	2.332	ppm		96
132) Benzo(a)anthracene	12.073	228	19999	2.468	ppm		86
133) Chrysene	12.131	228	19191	2.464	ppm		92
134) bis(2-Ethylhexyl)phtha...	12.233	149	12378	2.456	ppm		96
136) Di-n-octyl phthalate	13.509	149	16841	2.174	ppm		93
137) 7,12-Dimethylbenz(a)an...	14.108	256	8001	2.282	ppm		96
138) Benzo(b)Fluoranthene	14.097	252	18901	2.350	ppm		96
139) Benzo(k)fluoranthene	14.156	252	17505	2.423	ppm		94
140) Benzo(a)pyrene	14.775	252	14978	2.213	ppm		96
141) 3-Methylcholanthrene	15.571	268	8509	2.371	ppm		94
142) Indeno(1,2,3-cd)Pyrene	16.901	276	14126	2.359	ppm		84
143) Dibenz(a,h)anthracene	16.960	278	15786	2.473	ppm		94
144) Benzo(g,h,i)perylene	17.318	276	12837	2.083	ppm		93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS765.D
Acq On : 2 Jul 2019 6:34 pm
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 5 Sample Multiplier: 1

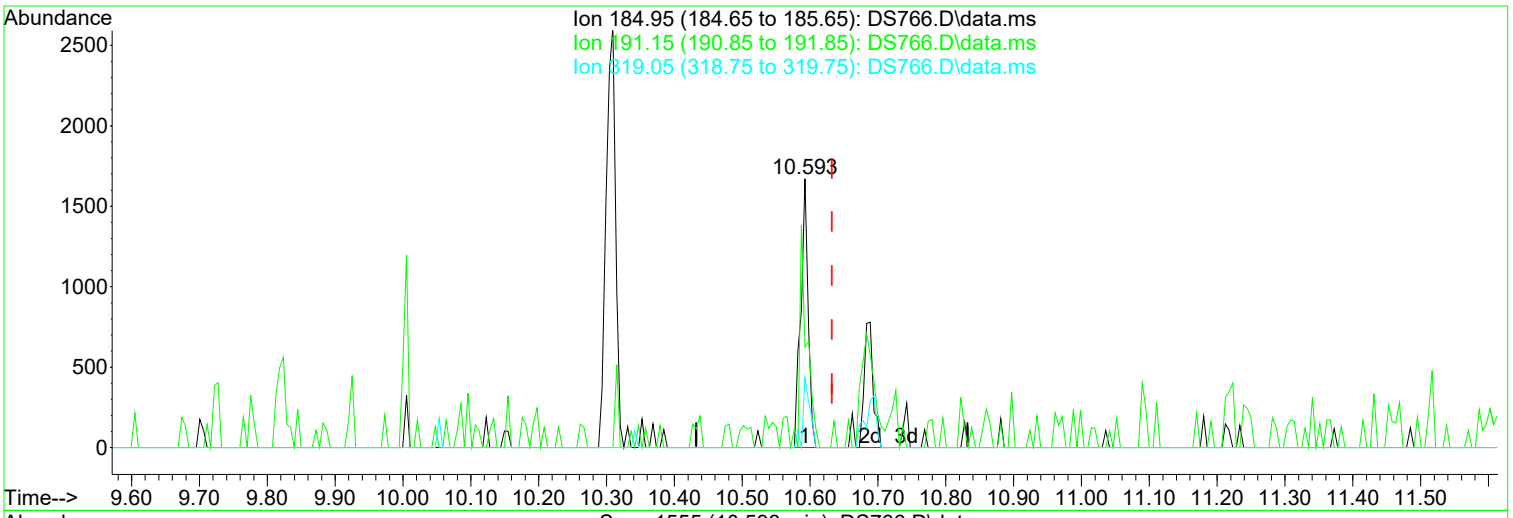
Quant Time: Jul 05 08:56:24 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration

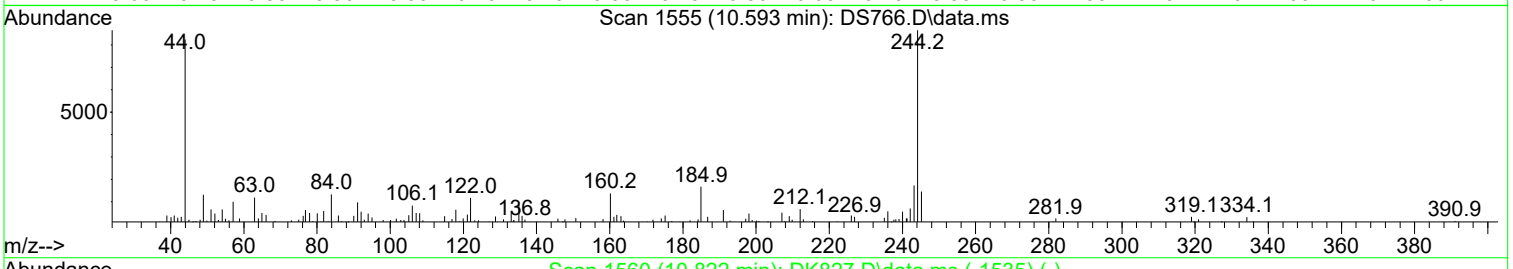


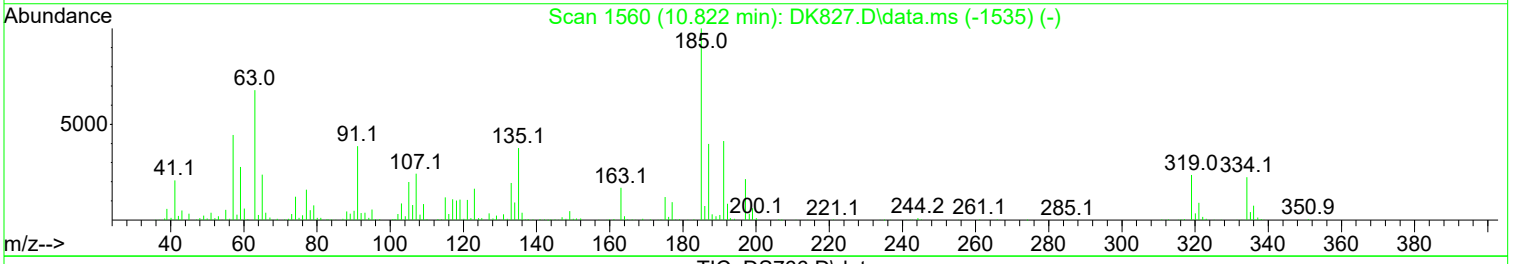
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS766.D
Acq On : 2 Jul 2019 7:03 pm
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 05 08:56:29 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration







TIC: DS766.D\data.ms

(125) Aramite (TM)

10.593min (-0.040) 4.25 ppm m

response 2072

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	51.70	37.38
319.05	19.90	19.74
0.00	0.00	0.00

Manual Integration:

After

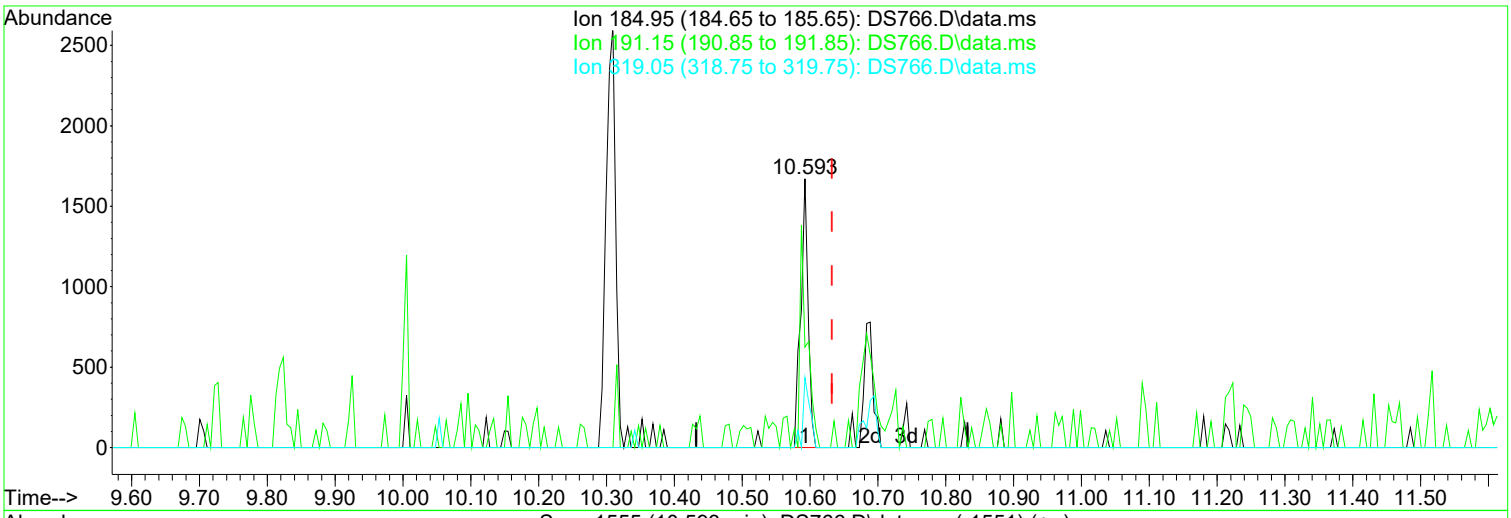
Split Peak.

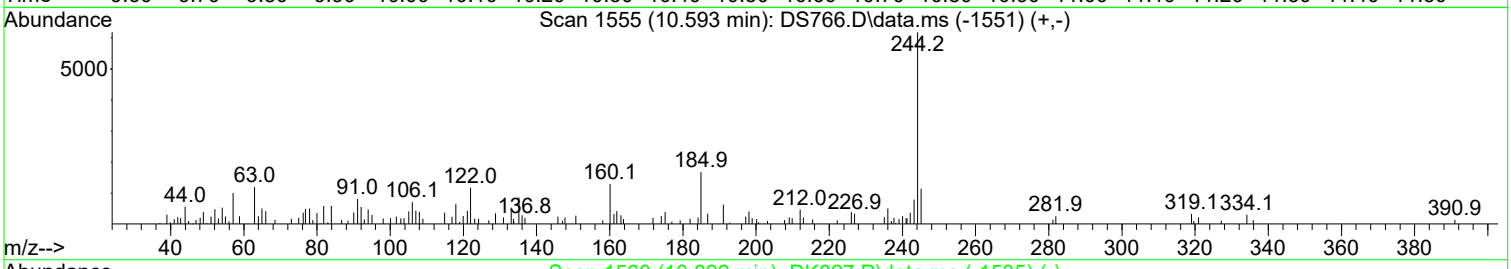
07/05/19

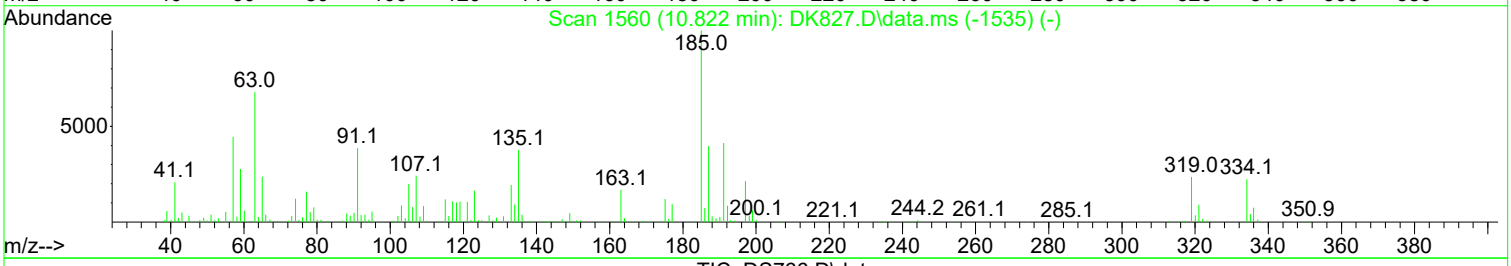
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS766.D
Acq On : 2 Jul 2019 7:03 pm
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 05 08:56:29 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration







TIC: DS766.D\data.ms

(125) Aramite (TM)

10.593min (-0.040) 2.63 ppm

response 1280

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	51.70	37.38
319.05	19.90	25.96
0.00	0.00	0.00

Manual Integration:

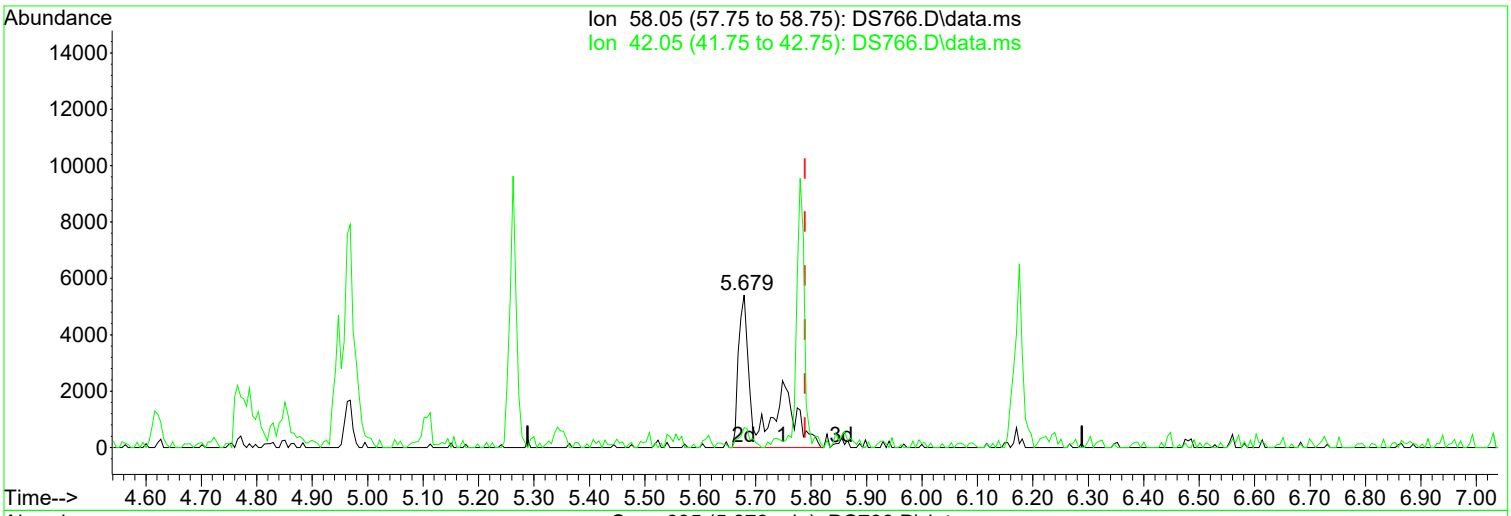
Before

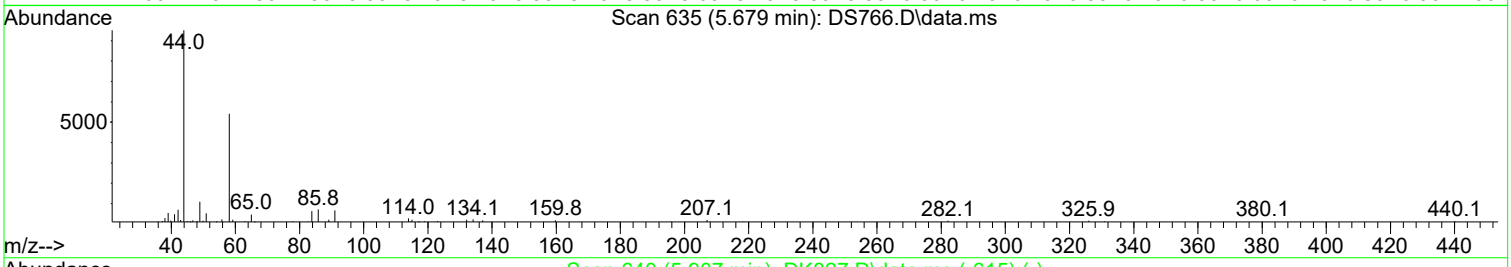
07/05/19

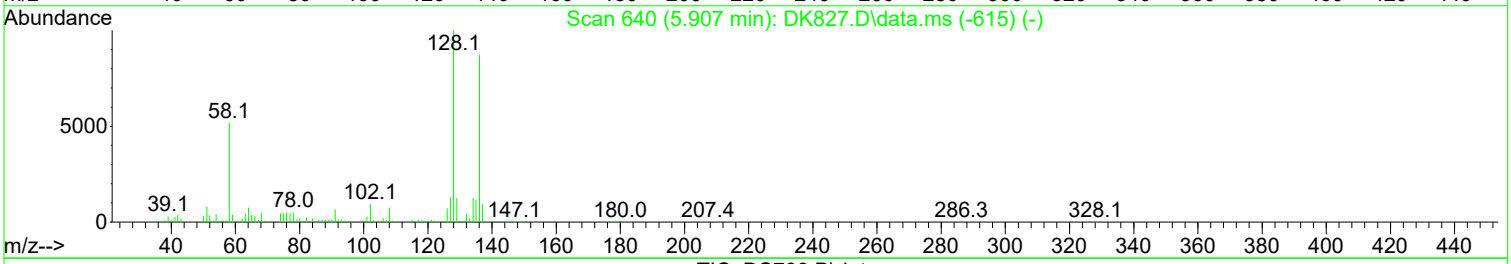
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS766.D
Acq On : 2 Jul 2019 7:03 pm
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 05 08:56:29 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration







TIC: DS766.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.679min (-0.110) 2.53 ppm m

response 13413

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	10.40	12.97
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

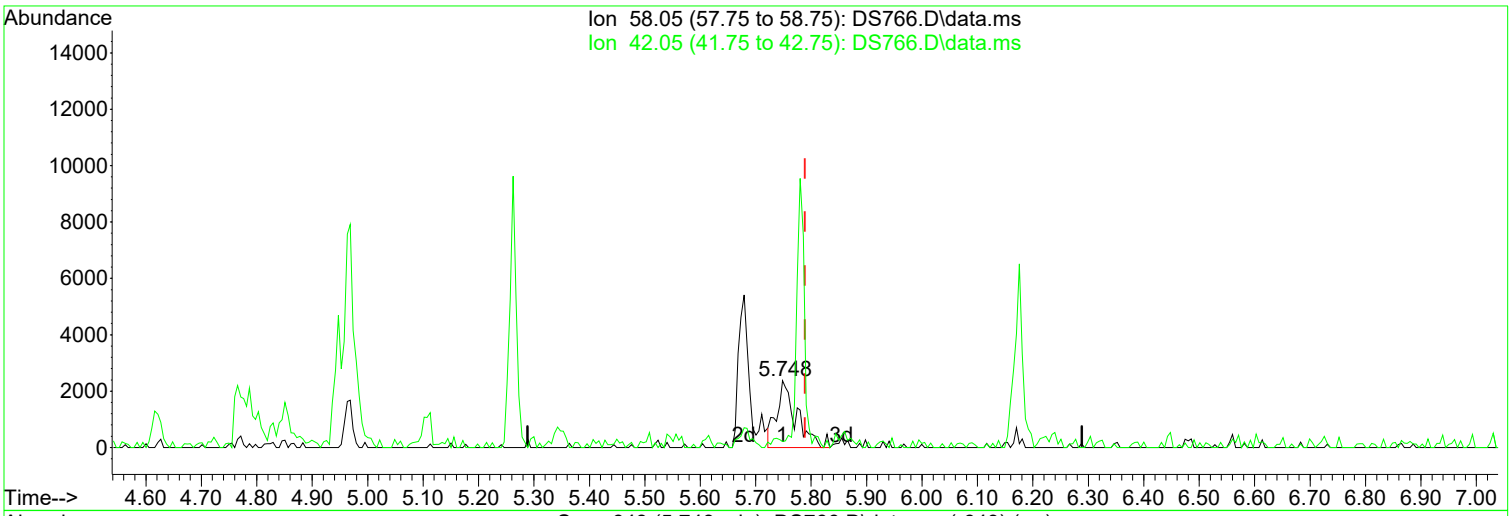
Poor integration.

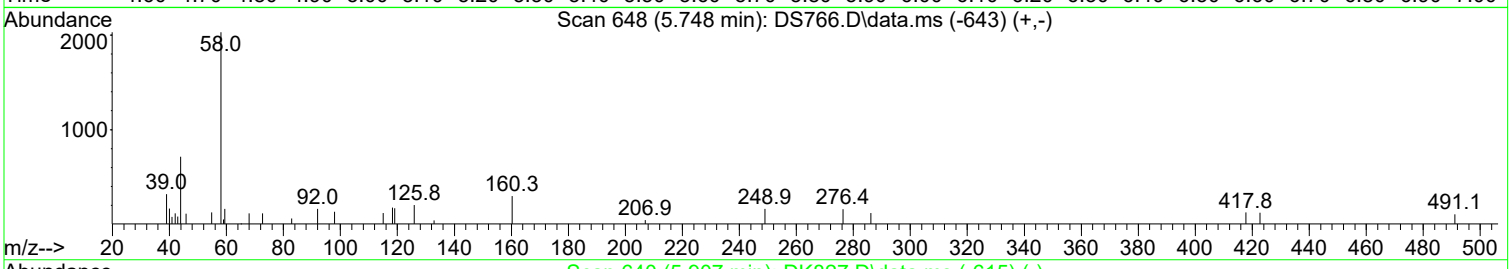
07/05/19

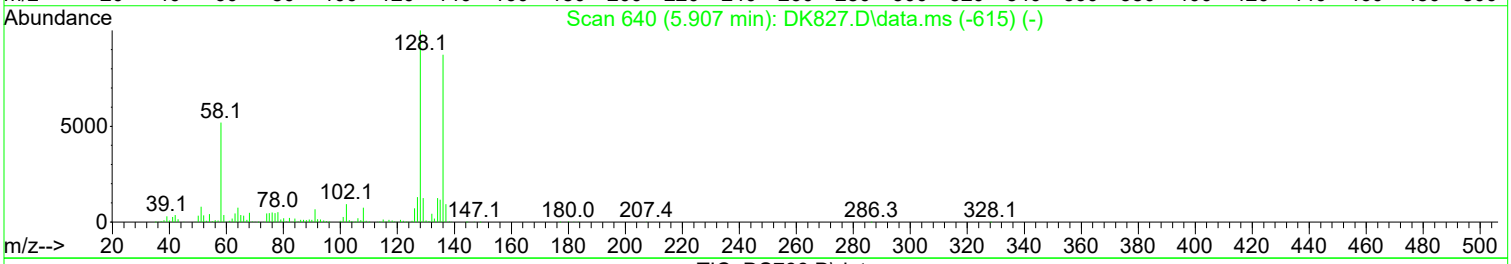
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS766.D
Acq On : 2 Jul 2019 7:03 pm
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 05 08:56:29 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration







TIC: DS766.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.748min (-0.041) 1.12 ppm

response 5950

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	10.40	5.76
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

07/05/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS766.D
Acq On : 2 Jul 2019 7:03 pm
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 05 08:56:29 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.621	152	65421	40.00	ppm		0.00
33) d8-Naphthalene	5.780	136	230769	40.00	ppm		0.00
57) d10-Acenaphthene	7.479	164	128853	40.00	ppm		0.00
91) d10-Phenanthrene	8.942	188	241185	40.00	ppm		0.00
117) d12-Chrysene	12.093	240	233816	40.00	ppm		0.00
135) d12-Perylene	14.903	264	253629	40.00	ppm		0.00
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.558	112	11300	4.97	ppm		0.00
Spiked Amount 100.000	Range 10 - 70		Recovery = 4.97%#				
12) SURR2,PHENOL-D6	4.274	99	13866	4.97	ppm		0.00
Spiked Amount 100.000	Range 10 - 107		Recovery = 4.97%#				
34) SURR4,NITROBENZENE-D5	5.107	82	12458	4.76	ppm		0.00
Spiked Amount 50.000	Range 31 - 110		Recovery = 9.52%#				
63) SURR5,2-FLUOROBIPHENYL	6.822	172	21305	4.65	ppm		0.00
Spiked Amount 50.000	Range 31 - 118		Recovery = 9.30%#				
88) SURR3,2,4,6-TRIBROMOPH...	8.253	330	4517	5.24	ppm		0.00
Spiked Amount 100.000	Range 35 - 141		Recovery = 5.24%#				
124) SURR6,TERPHENYL-D14	10.603	244	26709	5.22	ppm		0.00
Spiked Amount 50.000	Range 10 - 165		Recovery = 10.44%				
Target Compounds							Qvalue
2) Pyridine	2.650	79	11494	4.551	ppm		97
3) N-Nitrosodimethylamine	2.608	74	7563	5.281	ppm		96
4) 2-Picoline	3.169	93	11752	5.026	ppm		92
5) N-Nitrosomethylamine	3.227	42	7044	4.587	ppm		88
6) Methyl Methansulfonate	3.441	80	6120	5.290	ppm		89
8) N-Nitrosodiethylamine	3.745	102	5538	4.987	ppm		82
9) Ethyl Mathanesulfonate	3.970	79	9433	5.126	ppm		79
10) Benzaldehyde	4.253	106	18934	10.668	ppm		96
11) Aniline	4.338	93	17427	5.178	ppm		100
13) Phenol	4.290	94	14581	5.258	ppm		91
14) bis(2-Clethyl)Ether	4.386	93	11876	5.235	ppm		98
15) Pentachloroethane	4.386	117	4454	4.976	ppm		91
16) 2-Chlorophenol	4.434	128	11487	5.155	ppm		97
17) 1,3-Diclbenzene	4.573	146	12700	4.992	ppm		91
18) 1,4-Dichlorobenzene	4.637	146	13541	5.049	ppm		92
19) 1,2-Diclbenzene	4.771	146	13254	5.249	ppm		92
20) Benzyl Alcohol	4.728	79	9591	4.644	ppm		81
21) 1-Methyl-2-pyrrolidinone	4.771	99	5248	4.073	ppm	#	78
22) 2,2'-oxybis(1-Chloropr...	4.851	45	16012	4.677	ppm		99
23) 2-Methylphenol	4.814	108	10477	5.162	ppm		96
24) 3+4-Methylphenol	4.952	108	11355	5.001	ppm		89
25) Acetophenone	4.968	105	15340	4.883	ppm		91
26) N-Nitroso-Di-n-propyla...	4.968	70	9398	4.989	ppm		87
27) N-Nitrosopyrrolidine	4.947	100	5995	5.197	ppm		90
28) N-Nitrosomorpholine	4.979	56	7927	4.960	ppm		96
29) o-Toluidine	5.001	106	16498	4.830	ppm		96
30) Hexachloroethane	5.070	117	5337	4.892	ppm		84
31) o,o,o-Triethylphosphor...	5.524	198	4520	4.310	ppm		65
32) Alpha-terpinol	5.812	121	3596	4.679	ppm		94
35) Nitrobenzene	5.123	77	12722	5.012	ppm		74
36) N-Nitrosopiperidine	5.262	42	8027	4.553	ppm		92
37) Isophorone	5.342	82	20705	4.882	ppm		92
38) 2-Nitrophenol	5.417	139	5853	4.850	ppm		97

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS766.D
Acq On : 2 Jul 2019 7:03 pm
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 05 08:56:29 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) 2,4-Dimethylphenol	5.449	107	11472	4.902	ppm		88
40) bis(-2-Chloroethoxy)Me...	5.545	93	11988	4.233	ppm		94
41) Benzoic Acid	5.497	105	14710	9.330	ppm		84
42) 2,4-Dichlorophenol	5.636	162	9100	5.144	ppm	#	81
43) a,a-Dimethylphenethyla...	5.679	58	13413m	2.525	ppm		
44) 1,2,4-Trichlorobenzene	5.727	180	9391	4.571	ppm		93
45) Naphthalene	5.802	128	33190	4.988	ppm		98
46) 4-Chloroaniline	5.850	127	13048	4.896	ppm		98
47) 2,6-Dichlorophenol	5.855	162	8520	4.566	ppm		83
48) Hexachlorobutadiene	5.925	225	5350	4.571	ppm		92
49) Hexachloropropene	5.887	213	6296	4.680	ppm		70
50) 4-Chloro-3-methylphenol	6.304	107	9107	5.137	ppm		79
51) N-N-di-n-butylamine	6.176	84	9554	5.400	ppm		95
52) Caprolactam	6.165	113	2349	4.166	ppm	#	77
53) p-Phenylenediamine	6.192	80	5713	5.362	ppm		87
54) Safrole	6.384	162	7499	4.686	ppm		91
55) 2-Methylnaphthalene	6.464	142	20942	4.700	ppm		88
56) 1-Methylnaphthalene	6.560	142	20223	4.806	ppm		95
58) Hexachlorocyclopentadiene	6.624	237	6121	4.783	ppm		79
59) 1,2,4,5-Tetrachloroben...	6.624	216	8363	4.322	ppm		91
60) 1,2,3,4-Tetrachloroben...	6.902	216	8252	4.663	ppm		98
61) 2,4,6-Trichlorophenol	6.736	196	6168	4.851	ppm		98
62) 2,4,5-Trichlorophenol	6.763	196	6745	5.061	ppm		84
64) Isosafrole	6.886	104	4336	5.006	ppm		92
65) 1,1'-Biphenyl	6.918	154	23128	4.742	ppm	#	95
66) 2-Chloronaphthalene	6.939	162	19371	4.819	ppm		90
67) 2-Nitroaniline	7.030	65	6145	5.196	ppm		85
68) 1,4-Naphthoquinone	7.105	158	6248	5.099	ppm		97
69) m-Dinitrobenzene	7.238	168	3357	4.795	ppm		78
70) Acenaphthylene	7.340	152	32160	4.819	ppm		96
71) Dimethyl phthalate	7.222	163	20742	4.961	ppm		95
72) 2,6-Dinitrotoluene	7.270	165	4797	5.184	ppm		99
73) Acenaphthene	7.511	153	22663	4.899	ppm		92
74) 3-Nitroaniline	7.431	138	4892	4.681	ppm		76
75) 2,4-Dinitrophenol	7.532	184	2524	3.670	ppm		78
76) Dibenzofuran	7.682	168	26443	4.886	ppm		97
77) 2,4-Dinitrotoluene	7.660	165	6304	4.814	ppm		93
78) 4-Nitrophenol	7.586	65	4518	4.374	ppm		94
79) Pentachlorobenzene	7.644	250	8897	5.118	ppm		84
80) 1-Napthylamine	7.757	143	11653	5.362	ppm		99
81) 2-Napthylamine	7.831	143	18265	5.211	ppm		91
82) 2,3,4,6-Tetrachlorophenol	7.799	232	6123	5.590	ppm		88
83) Fluorene	8.018	166	25817	5.426	ppm		99
84) 4-Chlorophenyl-phenyle...	8.024	204	11666	5.280	ppm		96
85) Diethylphthalate	7.917	149	23143	5.213	ppm		100
86) 4-Nitroaniline	8.029	138	5868	5.120	ppm		93
87) 5-Nitro-o-toluidine	8.024	152	6414	5.102	ppm		90
89) Sulfotepp	8.312	322	3718	5.006	ppm		92
90) Octachlorocyclopentene	8.269	307	4504	5.383	ppm		85
92) Thionazin	7.997	107	3737	5.076	ppm		94
93) 4,6-Dinitro-2-methylph...	8.061	198	3583	3.522	ppm		85
94) Diphenylamine	8.136	169	36475	9.476	ppm		93
95) 1,2 Diphenylhydrazine	8.178	77	25703	4.866	ppm		91
96) N-Nitrosodiphenylamine	8.136	169	36475	9.476	ppm		93
97) 1,3,5-Trinirobenzene	8.376	74	3500	4.039	ppm		88
98) Diallate	8.429	86	9062	5.419	ppm		84

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS766.D
Acq On : 2 Jul 2019 7:03 pm
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 05 08:56:29 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration

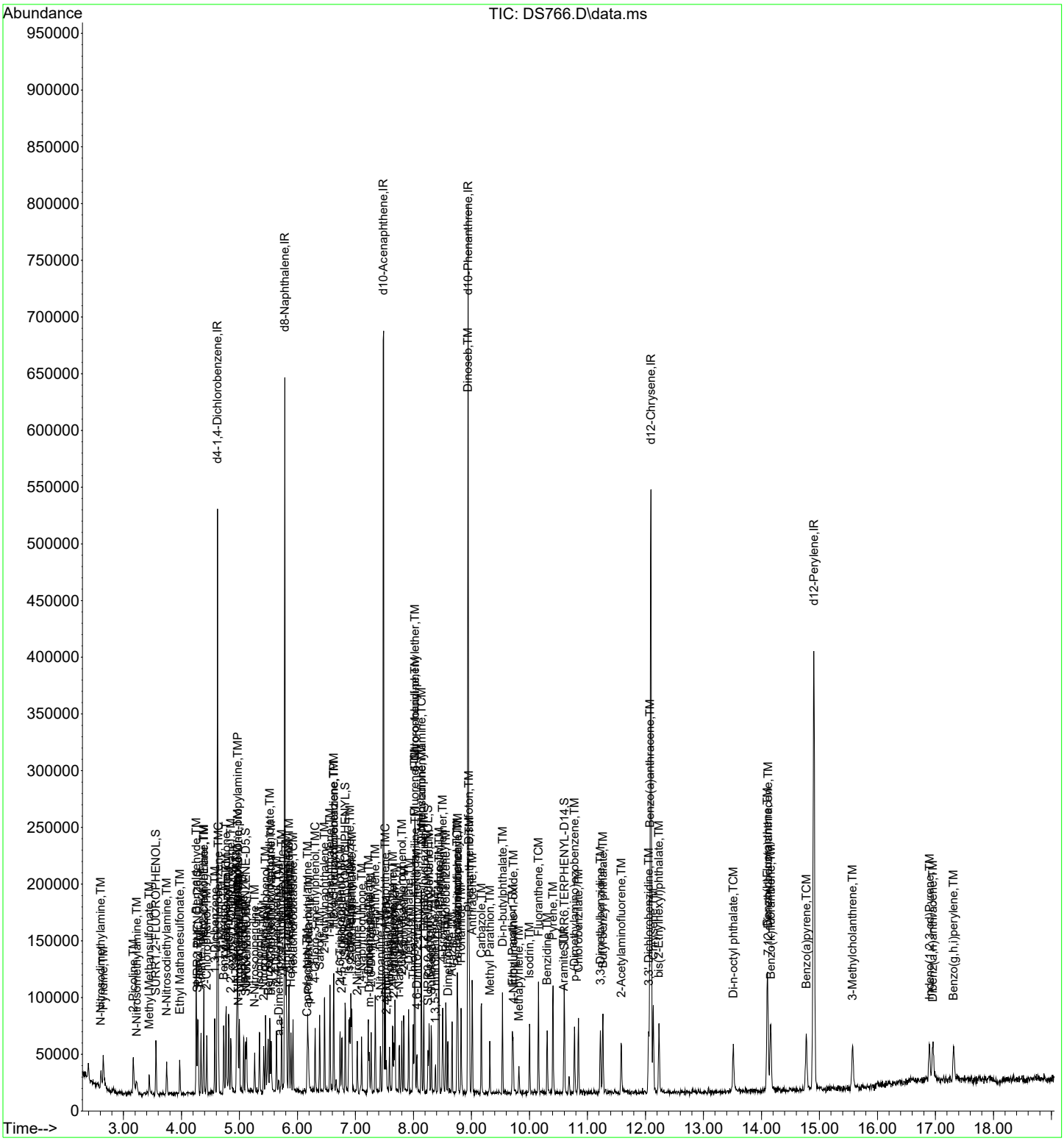
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) Phorate	8.440	121	3832	4.358	ppm	82
100) Phenacetin	8.440	108	11145	4.422	ppm	94
101) 4-Bromophenyl-phenylether	8.504	248	7593	5.063	ppm	97
102) Hexachlorobenzene	8.558	284	8959	5.287	ppm	91
103) Dimethoate	8.595	87	7795	5.097	ppm	91
104) Atrazine	8.664	215	3557	5.755	ppm	95
105) Pentachlorophenol	8.750	266	5119	4.556	ppm	95
106) 4-Aminobiphenyl	8.755	169	21681	4.675	ppm	95
107) Pentachloronitrobenzene	8.766	237	2994	4.709	ppm	97
108) Pronamide	8.819	173	10218	4.719	ppm	94
109) Dinoseb	8.937	211	4661	3.300	ppm	94
110) Disulfoton	8.953	88	14784	5.322	ppm	92
111) Phenanthrene	8.964	178	37177	5.063	ppm	96
112) Anthracene	9.012	178	36385	5.043	ppm	98
113) Carbazole	9.172	167	30102	4.708	ppm	90
114) Di-n-butylphthalate	9.535	149	39271	4.757	ppm	98
115) 4-Nitroquinonline-1-oxide	9.722	190	2395	3.227	ppm	87
116) Fluoranthene	10.155	202	37323	4.605	ppm	91
118) Methyl Parathion	9.316	109	5984	5.804	ppm	91
119) Ethyl Parathion	9.706	97	4529	4.857	ppm	73
120) Methapyrilene	9.818	58	6048	5.267	ppm	84
121) Isodrin	10.000	193	4233	6.099	ppm	85
122) Benzidine	10.304	184	21195	5.428	ppm	95
123) Pyrene	10.406	202	39175	5.346	ppm	95
125) Aramite	10.593	185	2072m	4.254	ppm	
126) p-(Dimethylamino)azobe...	10.774	120	8670	4.497	ppm	78
127) Chlorobenzilate	10.844	139	11826	4.812	ppm	91
128) Butyl benzyl phthalate	11.266	149	17374	4.961	ppm	92
129) 3,3-Dimethylbenzidine	11.223	212	20939	5.024	ppm	87
130) 2-Acetylaminofluorene	11.581	181	11851	4.553	ppm	83
131) 3,3'-Dichlorobenzidine	12.056	252	12619	4.606	ppm	92
132) Benzo(a)anthracene	12.077	228	35357	4.620	ppm	99
133) Chrysene	12.136	228	34351	4.669	ppm	100
134) bis(2-Ethylhexyl)phtha...	12.232	149	22531	4.734	ppm	93
136) Di-n-octyl phthalate	13.514	149	33610	4.121	ppm	97
137) 7,12-Dimethylbenz(a)an...	14.112	256	17937	4.858	ppm	84
138) Benzo(b)Fluoranthene	14.102	252	38981	4.604	ppm	95
139) Benzo(k)fluoranthene	14.160	252	38723	5.090	ppm	94
140) Benzo(a)pyrene	14.775	252	33442	4.692	ppm	94
141) 3-Methylcholanthrene	15.570	268	14955	3.958	ppm	94
142) Indeno(1,2,3-cd)Pyrene	16.900	276	20864	3.309	ppm	92
143) Dibenz(a,h)anthracene	16.954	278	22263	3.313	ppm	92
144) Benzo(g,h,i)perylene	17.312	276	21046	3.243	ppm	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS766.D
Acq On : 2 Jul 2019 7:03 pm
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 6 Sample Multiplier: 1

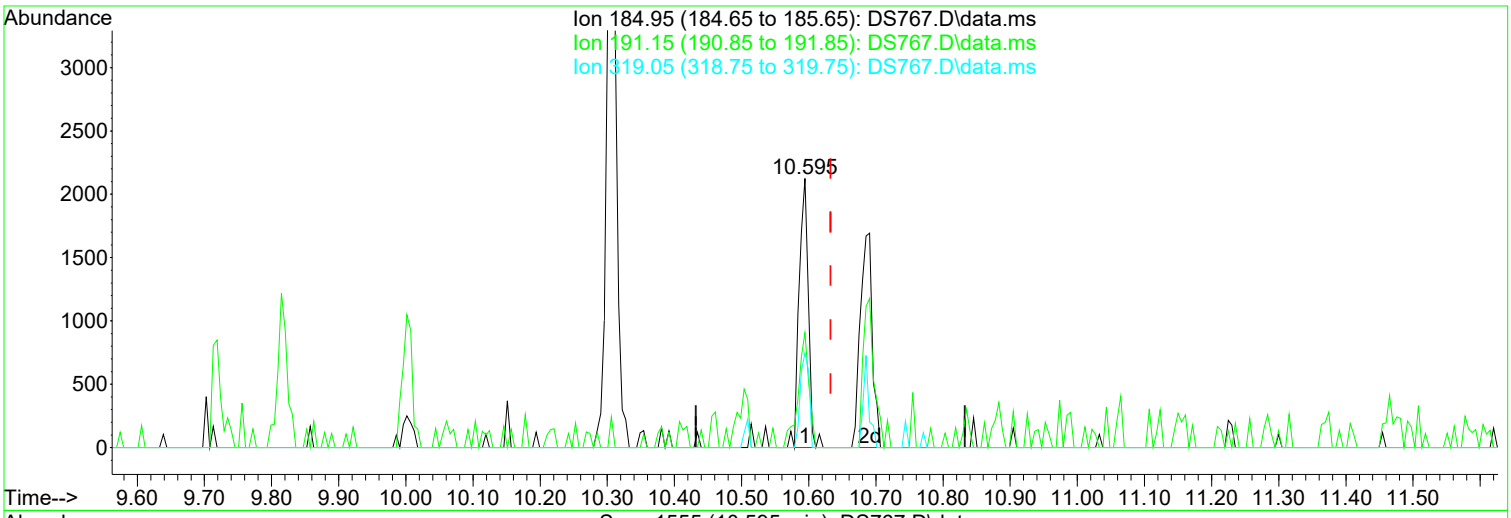
Quant Time: Jul 05 08:56:29 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration

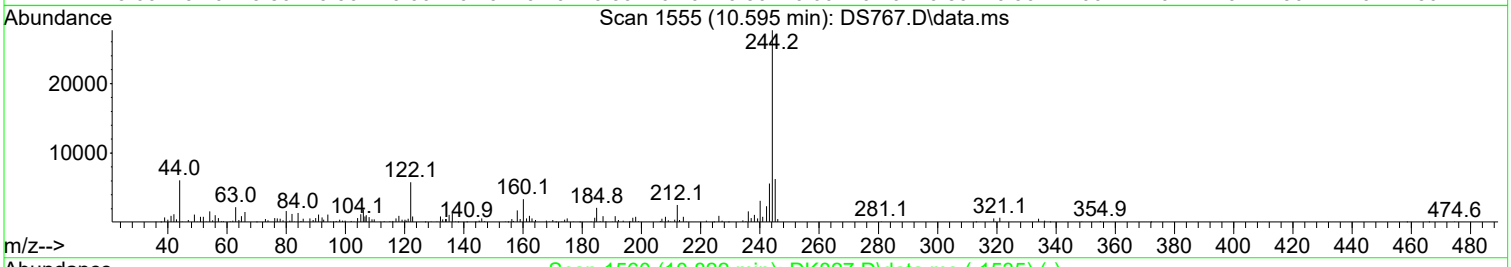


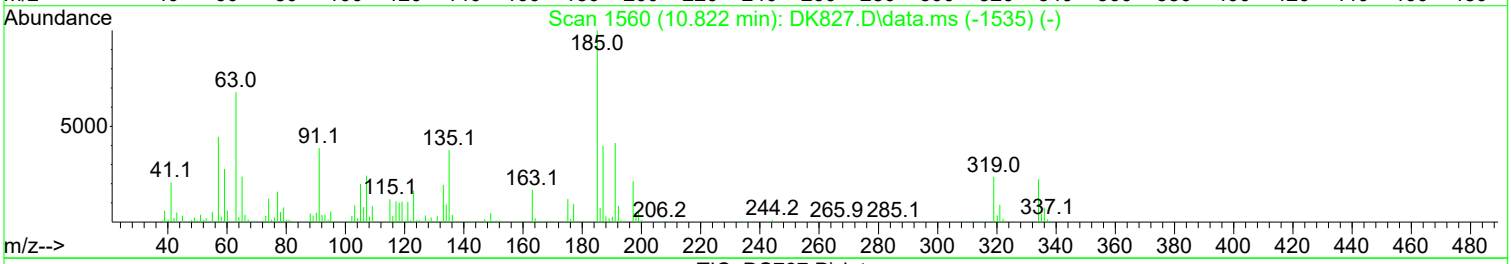
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS767.D
Acq On : 2 Jul 2019 7:31 pm
Operator : JMisiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 05 08:56:34 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration







TIC: DS767.D\data.ms

(125) Aramite (TM)

10.595min (-0.038) 9.30 ppm m

response 4145

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	51.70	42.75
319.05	19.90	28.20
0.00	0.00	0.00

Manual Integration:

After

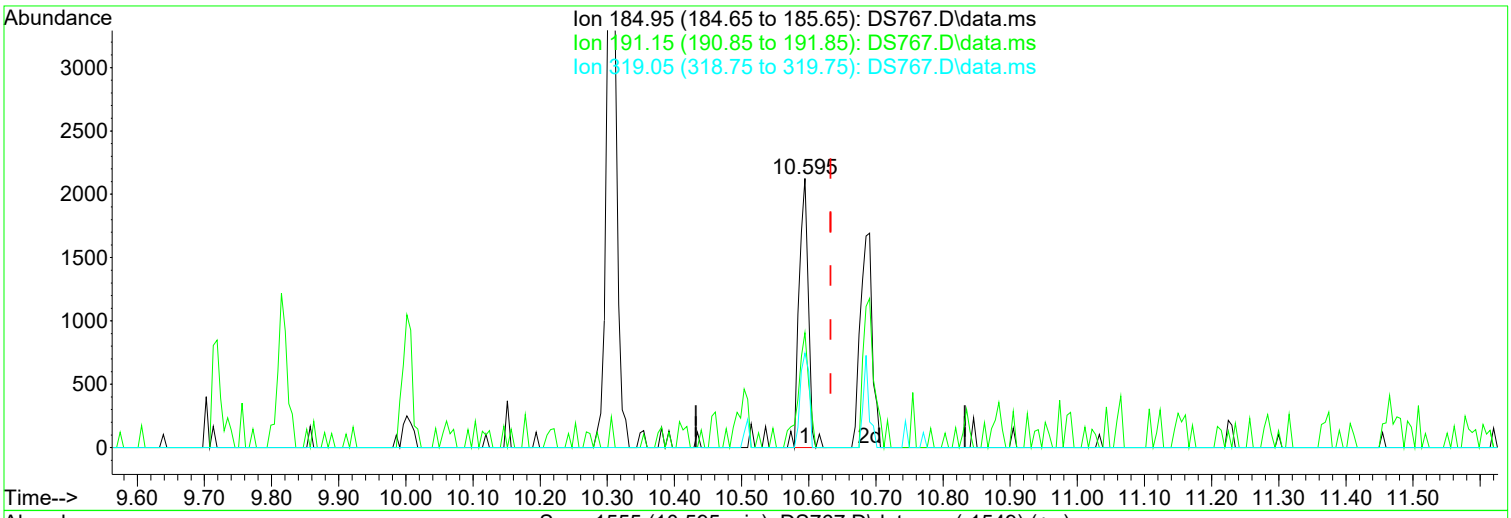
Split Peak.

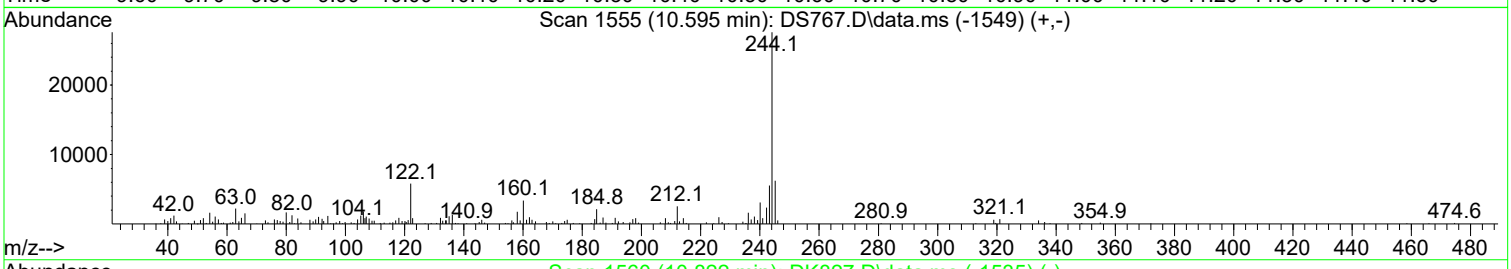
07/05/19

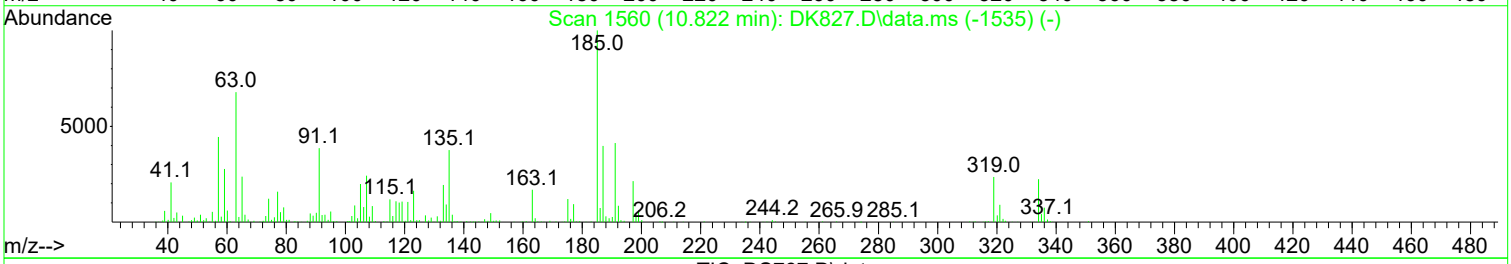
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS767.D
Acq On : 2 Jul 2019 7:31 pm
Operator : JMisiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 05 08:56:34 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration







TIC: DS767.D\data.ms

(125) Aramite (TM)

10.595min (-0.038) 4.56 ppm

response 2030

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	51.70	44.54
319.05	19.90	36.60
0.00	0.00	0.00

Manual Integration:

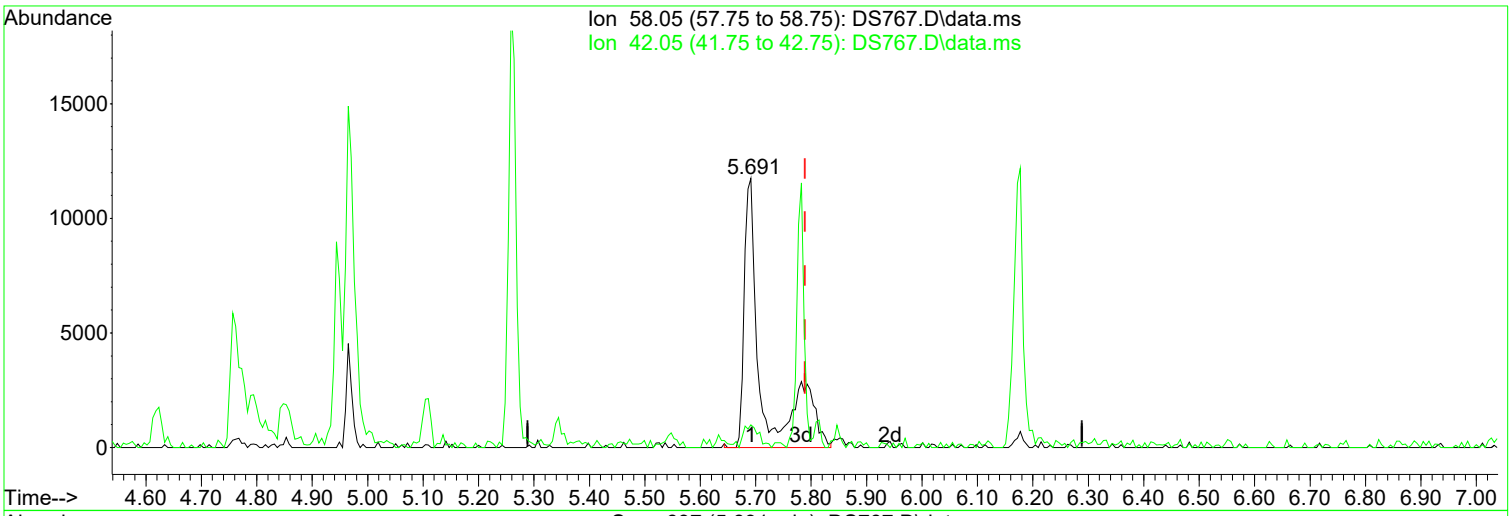
Before

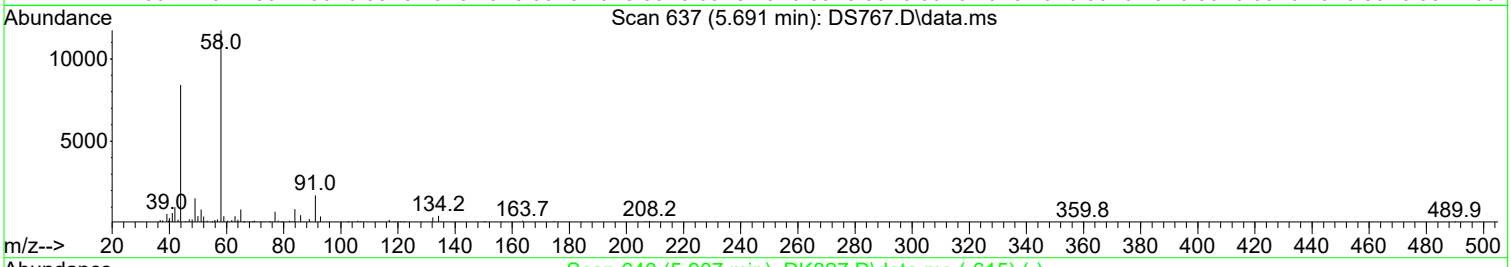
07/05/19

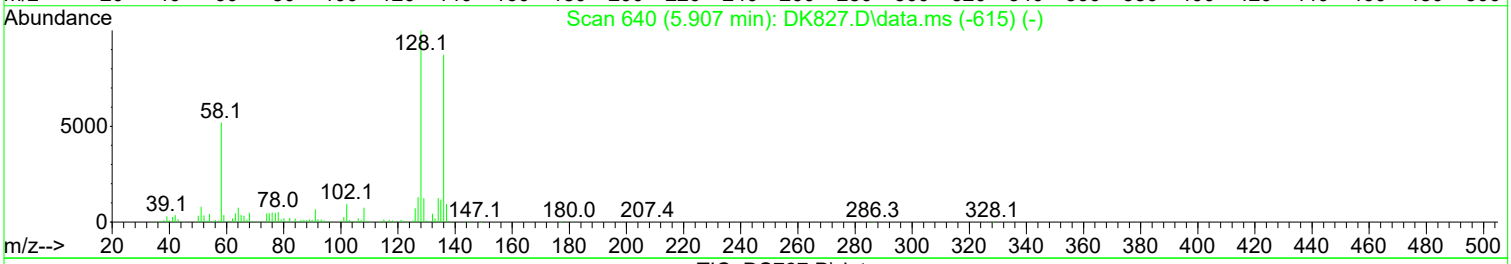
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS767.D
Acq On : 2 Jul 2019 7:31 pm
Operator : JMisiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 05 08:56:34 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration







TIC: DS767.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.691min (-0.098) 4.90 ppm m

response 25758

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	10.40	8.45
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

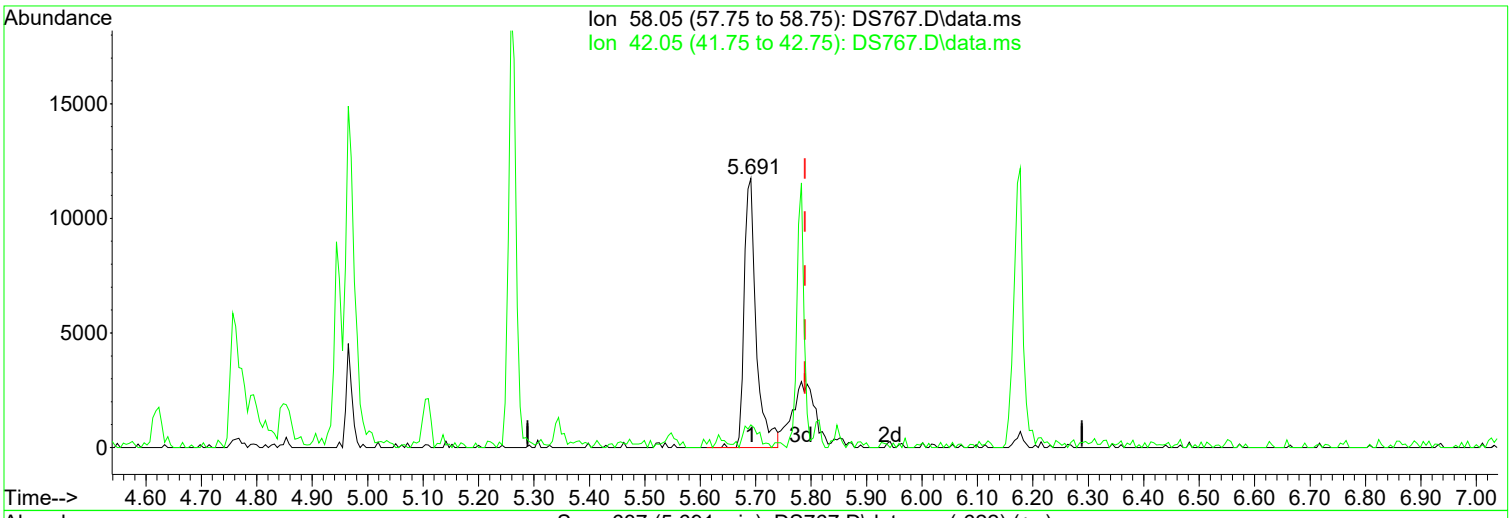
Poor integration.

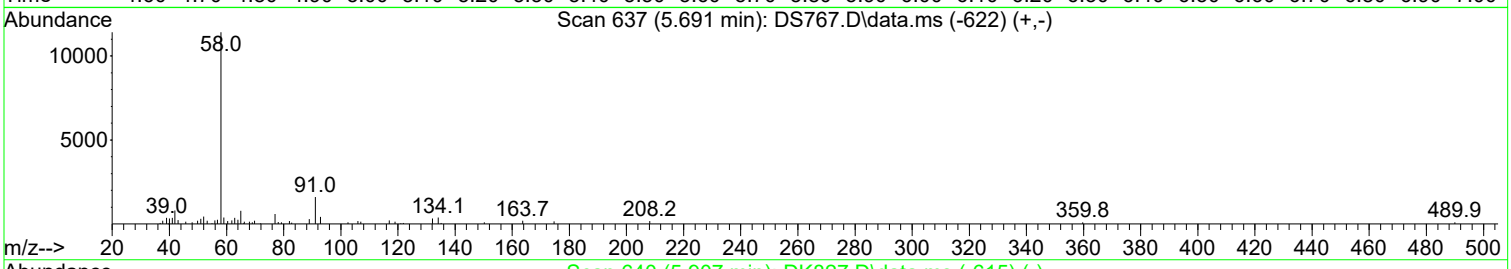
07/05/19

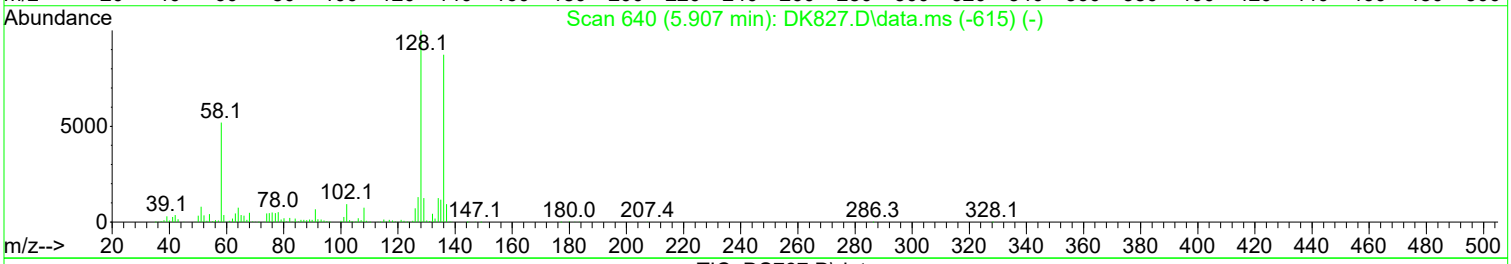
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS767.D
Acq On : 2 Jul 2019 7:31 pm
Operator : JMisiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 05 08:56:34 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration







TIC: DS767.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.691min (-0.098) 3.33 ppm

response 17518

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	10.40	6.39
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

07/05/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS767.D
Acq On : 2 Jul 2019 7:31 pm
Operator : JMisiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 05 08:56:34 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.623	152	59421	40.00	ppm		0.00
33) d8-Naphthalene	5.782	136	228578	40.00	ppm		0.00
57) d10-Acenaphthene	7.481	164	122117	40.00	ppm		0.00
91) d10-Phenanthrene	8.939	188	182561	40.00	ppm		0.00
117) d12-Chrysene	12.095	240	213867	40.00	ppm		0.00
135) d12-Perylene	14.899	264	235303	40.00	ppm		0.00
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.560	112	20491	9.93	ppm		0.00
Spiked Amount 100.000	Range 10 - 70		Recovery = 9.93%#				
12) SURR2,PHENOL-D6	4.276	99	26029	10.27	ppm		0.00
Spiked Amount 100.000	Range 10 - 107		Recovery = 10.27%				
34) SURR4,NITROBENZENE-D5	5.104	82	26248	10.13	ppm		0.00
Spiked Amount 50.000	Range 31 - 110		Recovery = 20.26%#				
63) SURR5,2-FLUOROBIPHENYL	6.824	172	41510	9.56	ppm		0.00
Spiked Amount 50.000	Range 31 - 118		Recovery = 19.12%#				
88) SURR3,2,4,6-TRIBROMOPH...	8.250	330	8277	10.13	ppm		0.00
Spiked Amount 100.000	Range 35 - 141		Recovery = 10.13%#				
124) SURR6,TERPHENYL-D14	10.600	244	46445	9.93	ppm		0.00
Spiked Amount 50.000	Range 10 - 165		Recovery = 19.86%				
Target Compounds							Qvalue
2) Pyridine	2.647	79	23337	10.174	ppm		85
3) N-Nitrosodimethylamine	2.610	74	13678	10.514	ppm		95
4) 2-Picoline	3.165	93	22933	10.799	ppm		93
5) N-Nitrosomethylamine	3.229	42	14445	10.356	ppm		89
6) Methyl Methansulfonate	3.443	80	10021	9.536	ppm		92
8) N-Nitrosodiethylamine	3.747	102	9779	9.695	ppm		78
9) Ethyl Mathanesulfonate	3.972	79	16989	10.163	ppm		88
10) Benzaldehyde	4.255	106	35433	21.981	ppm		92
11) Aniline	4.335	93	31430	10.282	ppm		100
13) Phenol	4.287	94	26729	10.612	ppm		96
14) bis(2-Clethyl)Ether	4.383	93	21079	10.231	ppm		95
15) Pentachloroethane	4.388	117	7775	9.563	ppm		71
16) 2-Chlorophenol	4.436	128	21225	10.487	ppm		93
17) 1,3-Diclbenzene	4.575	146	23160	10.022	ppm		95
18) 1,4-Dichlorobenzene	4.634	146	24072	9.881	ppm		97
19) 1,2-Diclbenzene	4.767	146	23547	10.268	ppm		96
20) Benzyl Alcohol	4.730	79	20417	10.885	ppm		93
21) 1-Methyl-2-pyrrolidinone	4.762	99	11589	9.903	ppm	#	84
22) 2,2'-oxybis(1-Chloropr...	4.853	45	33748	10.854	ppm		99
23) 2-Methylphenol	4.816	108	19139	10.382	ppm		92
24) 3+4-Methylphenol	4.954	108	21658	10.501	ppm		95
25) Acetophenone	4.970	105	28172	9.874	ppm		92
26) N-Nitroso-Di-n-propyla...	4.965	70	18334	10.715	ppm		94
27) N-Nitrosopyrrolidine	4.944	100	10499	10.020	ppm		89
28) N-Nitrosomorpholine	4.981	56	15112	10.409	ppm		100
29) o-Toluidine	4.997	106	33047	10.653	ppm		97
30) Hexachloroethane	5.072	117	9593	9.681	ppm		85
31) o,o,o-Triethylphosphor...	5.526	198	9401	9.870	ppm		76
32) Alpha-terpinol	5.814	121	6365	9.119	ppm		84
35) Nitrobenzene	5.125	77	25791	10.258	ppm		93
36) N-Nitrosopiperidine	5.259	42	18236	10.443	ppm		94
37) Isophorone	5.344	82	42750	10.177	ppm		93
38) 2-Nitrophenol	5.419	139	11543	9.657	ppm		88

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS767.D
Acq On : 2 Jul 2019 7:31 pm
Operator : JMisiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 05 08:56:34 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) 2,4-Dimethylphenol	5.451	107	22413	9.669	ppm		89
40) bis(-2-Chloroethoxy)Me...	5.547	93	26156	9.324	ppm		95
41) Benzoic Acid	5.510	105	29614	18.964	ppm		98
42) 2,4-Dichlorophenol	5.638	162	17794	10.155	ppm		88
43) a,a-Dimethylphenethyla...	5.691	58	25758m	4.896	ppm		
44) 1,2,4-Trichlorobenzene	5.729	180	19314	9.490	ppm		96
45) Naphthalene	5.804	128	66351	10.067	ppm		100
46) 4-Chloroaniline	5.846	127	25885	9.805	ppm		96
47) 2,6-Dichlorophenol	5.857	162	17992	9.734	ppm		89
48) Hexachlorobutadiene	5.926	225	11104	9.579	ppm		96
49) Hexachloropropene	5.889	213	13455	10.098	ppm		99
50) 4-Chloro-3-methylphenol	6.306	107	17216	9.804	ppm		97
51) N-N-di-n-butylamine	6.178	84	20493	11.695	ppm		95
52) Caprolactam	6.167	113	5938	10.631	ppm	#	54
53) p-Phenylenediamine	6.188	80	10099	9.570	ppm		93
54) Safrole	6.380	162	14632	9.231	ppm		90
55) 2-Methylnaphthalene	6.466	142	45272	10.258	ppm		98
56) 1-Methylnaphthalene	6.562	142	40473	9.711	ppm		96
58) Hexachlorocyclopentadiene	6.621	237	11389	9.390	ppm		90
59) 1,2,4,5-Tetrachloroben...	6.626	216	17771	9.690	ppm		93
60) 1,2,3,4-Tetrachloroben...	6.904	216	16576	9.883	ppm		95
61) 2,4,6-Trichlorophenol	6.733	196	11772	9.770	ppm		90
62) 2,4,5-Trichlorophenol	6.765	196	13703	10.850	ppm		97
64) Isosafrole	6.888	104	7835	9.545	ppm		90
65) 1,1'-Biphenyl	6.920	154	46199	9.995	ppm	#	96
66) 2-Chloronaphthalene	6.936	162	39316	10.321	ppm		95
67) 2-Nitroaniline	7.032	65	12015	10.721	ppm		94
68) 1,4-Naphthoquinone	7.107	158	13619	11.728	ppm		93
69) m-Dinitrobenzene	7.240	168	6808	10.261	ppm		74
70) Acenaphthylene	7.342	152	63858	10.098	ppm		99
71) Dimethyl phthalate	7.219	163	42446	10.711	ppm		100
72) 2,6-Dinitrotoluene	7.272	165	8994	10.256	ppm		93
73) Acenaphthene	7.513	153	43440	9.907	ppm		94
74) 3-Nitroaniline	7.433	138	9764	9.859	ppm		87
75) 2,4-Dinitrophenol	7.534	184	4259	6.534	ppm		90
76) Dibenzofuran	7.684	168	49028	9.559	ppm		91
77) 2,4-Dinitrotoluene	7.662	165	11733	9.453	ppm		81
78) 4-Nitrophenol	7.588	65	10016	10.231	ppm		89
79) Pentachlorobenzene	7.641	250	17258	10.475	ppm		91
80) 1-Napthylamine	7.753	143	21058	10.225	ppm		94
81) 2-Napthylamine	7.833	143	32666	9.834	ppm		94
82) 2,3,4,6-Tetrachlorophenol	7.801	232	9905	9.541	ppm		86
83) Fluorene	8.020	166	45030	9.987	ppm		97
84) 4-Chlorophenyl-phenyle...	8.026	204	20418	9.751	ppm		98
85) Diethylphthalate	7.919	149	39222	9.322	ppm		92
86) 4-Nitroaniline	8.031	138	10862	10.000	ppm		85
87) 5-Nitro-o-toluidine	8.026	152	10328	8.668	ppm		95
89) Sulfotepp	8.309	322	6007	8.535	ppm		79
90) Octachlorocyclopentene	8.271	307	8241	10.392	ppm		95
92) Thionazin	7.993	107	5953	10.684	ppm		96
93) 4,6-Dinitro-2-methylph...	8.063	198	7085	9.202	ppm		88
94) Diphenylamine	8.138	169	61111	20.975	ppm		98
95) 1,2 Diphenylhydrazine	8.175	77	47592	11.903	ppm		91
96) N-Nitrosodiphenylamine	8.138	169	61111	20.975	ppm		98
97) 1,3,5-Trinirobenzene	8.383	74	7107	10.836	ppm		77
98) Diallate	8.431	86	15719	12.417	ppm		94

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS767.D
Acq On : 2 Jul 2019 7:31 pm
Operator : JMisiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 05 08:56:34 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration

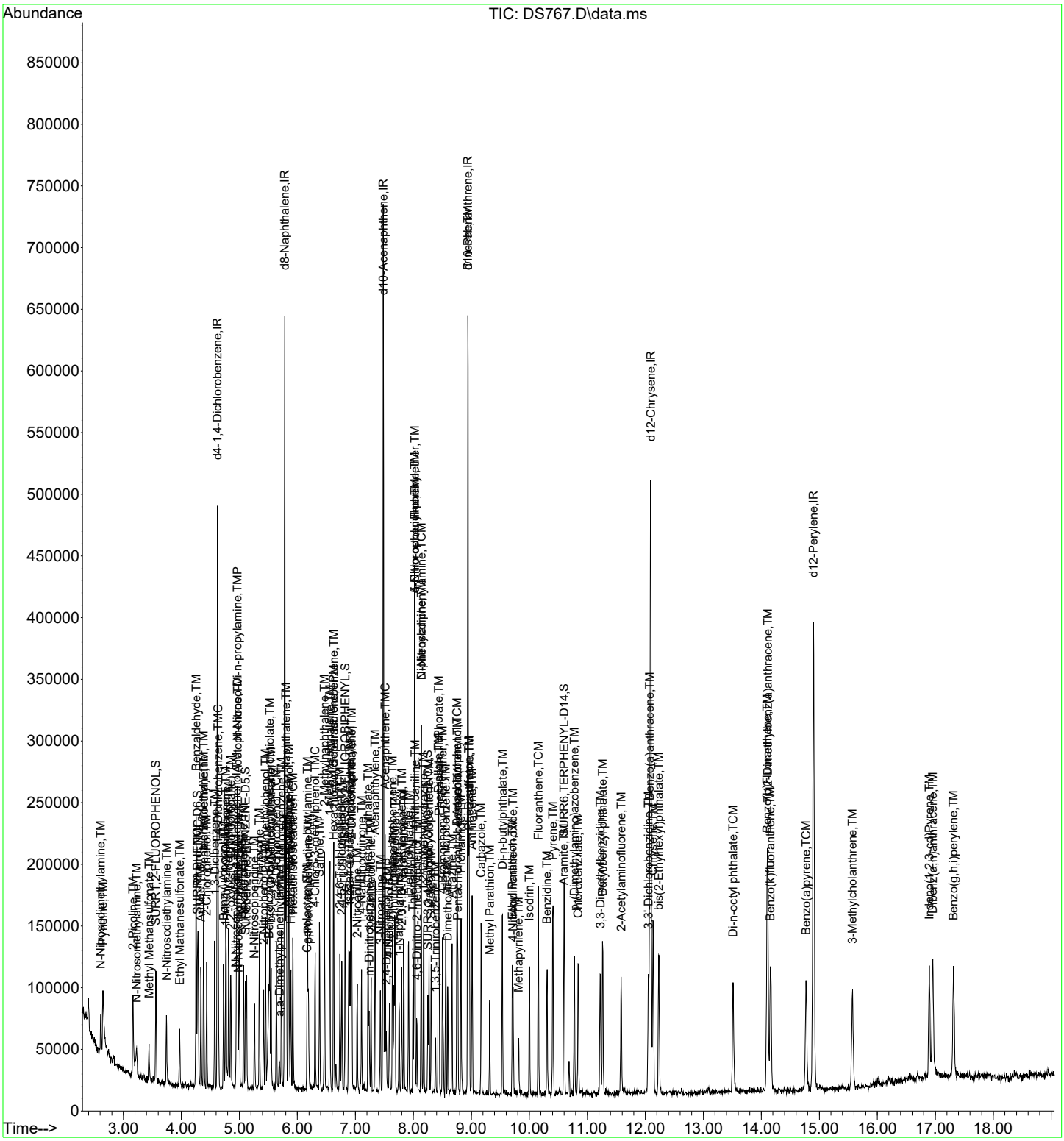
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
99) Phorate	8.437	121	7428	11.159	ppm		99
100) Phenacetin	8.442	108	22071	11.569	ppm		98
101) 4-Bromophenyl-phenylether	8.506	248	12848	11.319	ppm		93
102) Hexachlorobenzene	8.560	284	15010	11.702	ppm		92
103) Dimethoate	8.592	87	13113	11.327	ppm		93
104) Atrazine	8.666	215	5354	11.444	ppm	#	60
105) Pentachlorophenol	8.752	266	8576	10.084	ppm		89
106) 4-Aminobiphenyl	8.757	169	36293	10.340	ppm		99
107) Pentachloronitrobenzene	8.768	237	4758	9.887	ppm		89
108) Pronamide	8.821	173	16838	10.273	ppm		94
109) Dinoseb	8.939	211	7883	7.373	ppm		68
110) Disulfoton	8.955	88	22885	10.883	ppm		96
111) Phenanthrene	8.966	178	55553	9.996	ppm		96
112) Anthracene	9.014	178	56007	10.255	ppm		95
113) Carbazole	9.169	167	49912	10.314	ppm		97
114) Di-n-butylphthalate	9.537	149	69398	11.105	ppm		97
115) 4-Nitroquinonline-1-oxide	9.719	190	3511	6.251	ppm		62
116) Fluoranthene	10.157	202	65060	10.604	ppm		98
118) Methyl Parathion	9.318	109	10716	11.364	ppm		96
119) Ethyl Parathion	9.708	97	8643	10.134	ppm		95
120) Methapyrilene	9.815	58	11690	11.129	ppm		87
121) Isodrin	10.002	193	5684	8.954	ppm		83
122) Benzidine	10.306	184	36009	10.082	ppm		96
123) Pyrene	10.408	202	64710	9.655	ppm		94
125) Aramite	10.595	185	4145m	9.303	ppm		
126) p-(Dimethylamino)azobe...	10.776	120	17338	9.832	ppm		94
127) Chlorobenzilate	10.840	139	21866	9.727	ppm		82
128) Butyl benzyl phthalate	11.262	149	31954	9.976	ppm		85
129) 3,3-Dimethylbenzidine	11.225	212	38280	10.041	ppm		98
130) 2-Acetylaminofluorene	11.583	181	22149	9.303	ppm		93
131) 3,3'-Dichlorobenzidine	12.053	252	23467	9.364	ppm		95
132) Benzo(a)anthracene	12.074	228	68370	9.768	ppm		96
133) Chrysene	12.133	228	66285	9.850	ppm		93
134) bis(2-Ethylhexyl)phtha...	12.234	149	44606	10.246	ppm		94
136) Di-n-octyl phthalate	13.511	149	71423	9.440	ppm		99
137) 7,12-Dimethylbenz(a)an...	14.109	256	34032	9.934	ppm		93
138) Benzo(b)Fluoranthene	14.098	252	74632	9.500	ppm		96
139) Benzo(k)fluoranthene	14.157	252	69981	9.915	ppm		96
140) Benzo(a)pyrene	14.771	252	60988	9.222	ppm		96
141) 3-Methylcholanthrene	15.572	268	30980	8.838	ppm		95
142) Indeno(1,2,3-cd)Pyrene	16.897	276	55367	9.465	ppm		95
143) Dibenz(a,h)anthracene	16.956	278	62412	10.010	ppm		97
144) Benzo(g,h,i)perylene	17.314	276	60665	10.075	ppm		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS767.D
Acq On : 2 Jul 2019 7:31 pm
Operator : JMisiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 7 Sample Multiplier: 1

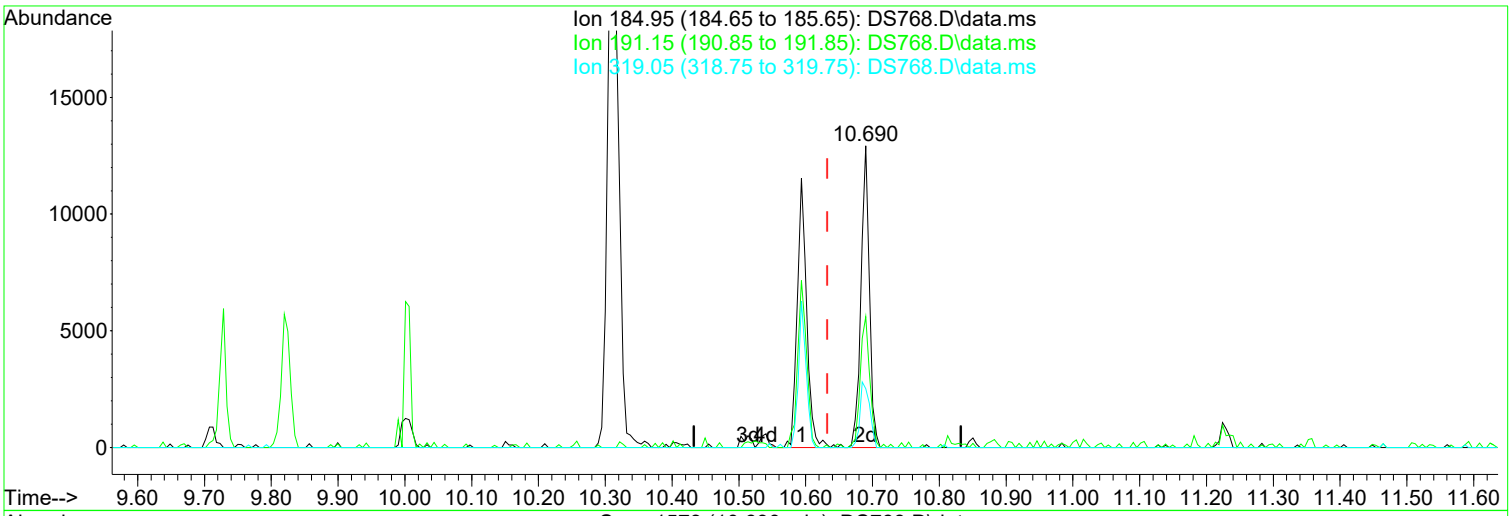
Quant Time: Jul 05 08:56:34 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration

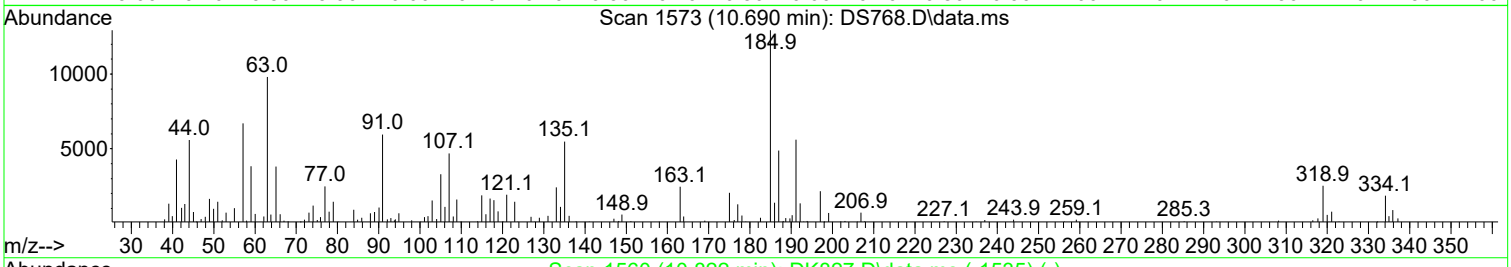


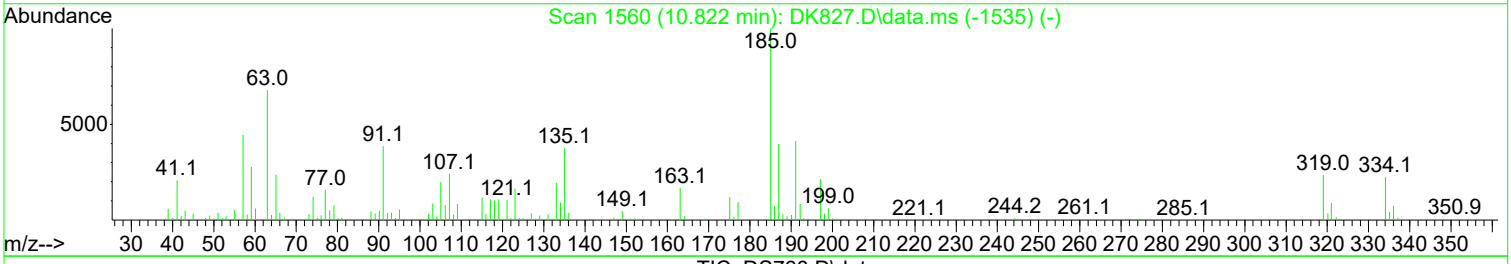
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS768.D
Acq On : 2 Jul 2019 8:00 pm
Operator : JMisiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 05 08:56:39 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration







TIC: DS768.D\data.ms

(125) Aramite (TM)

10.690min (+ 0.057) 47.41 ppm m

response 22932

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	51.70	43.30
319.05	19.90	19.55
0.00	0.00	0.00

Manual Integration:

After

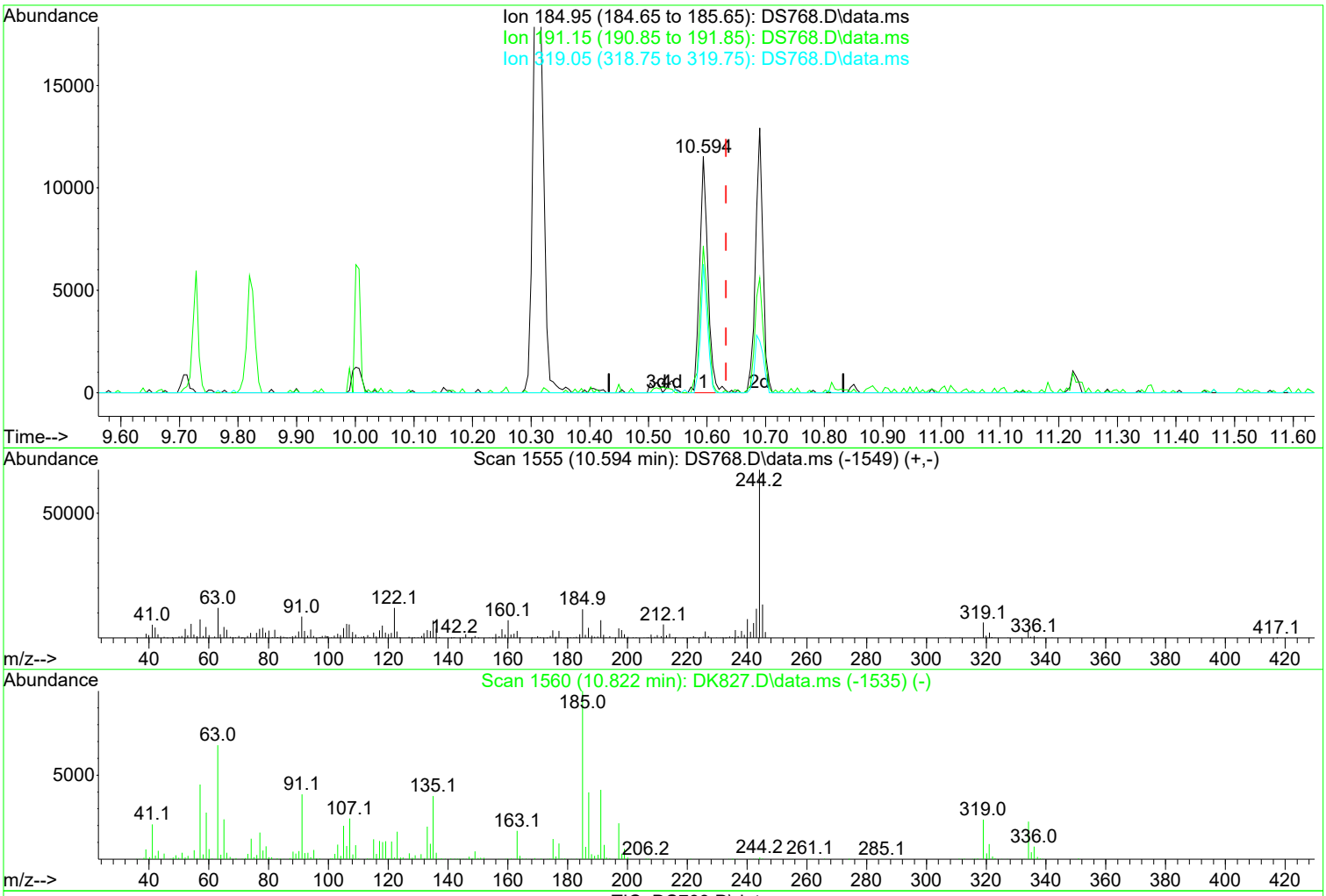
Split Peak.

07/05/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS768.D
Acq On : 2 Jul 2019 8:00 pm
Operator : JMisiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 05 08:56:39 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration



TIC: DS768.D\data.ms

(125) Aramite (TM)

10.594min (-0.039) 23.52 ppm

response 11376

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	51.70	61.23
319.05	19.90	53.76
0.00	0.00	0.00

Manual Integration:

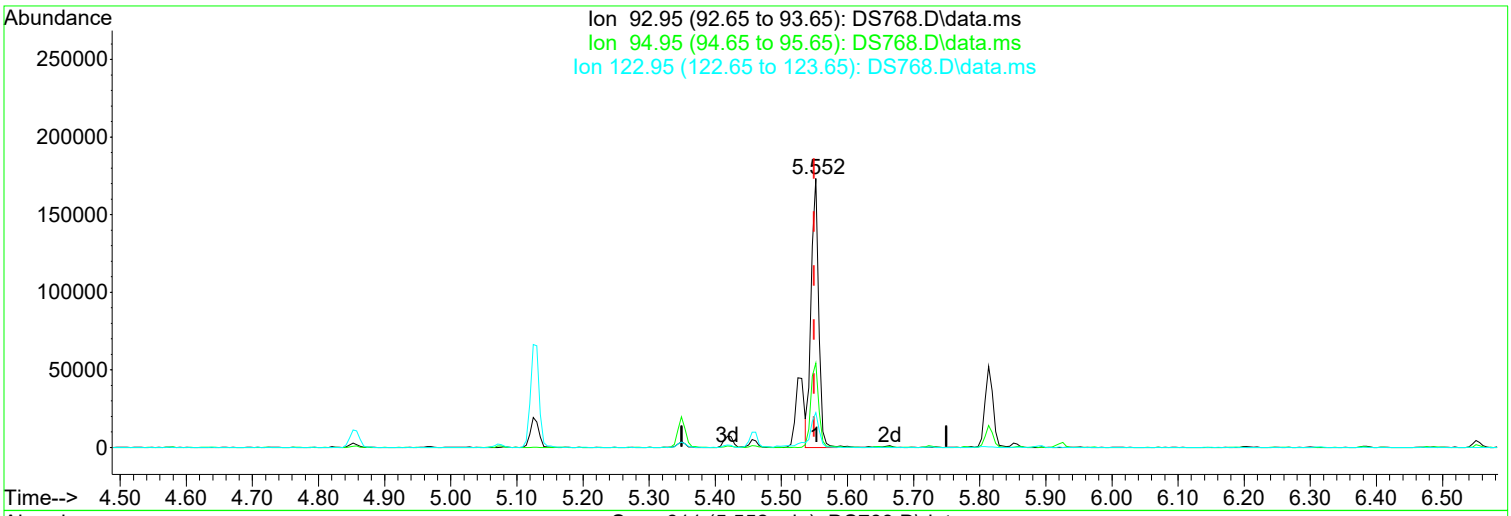
Before

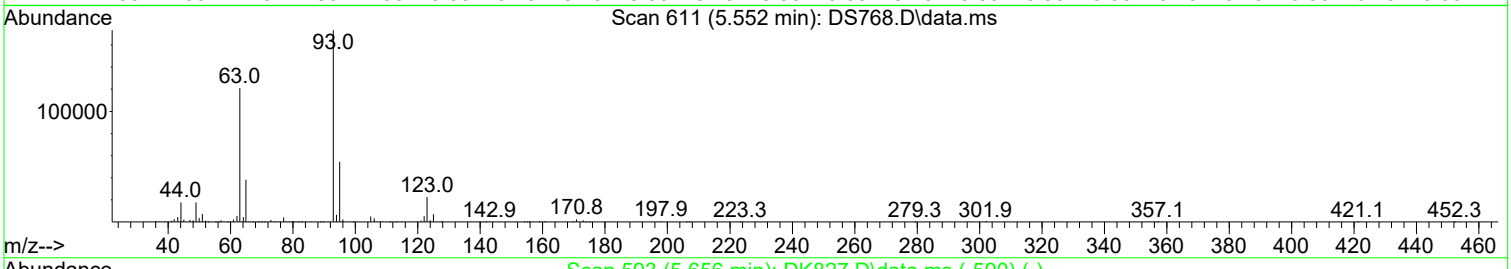
07/05/19

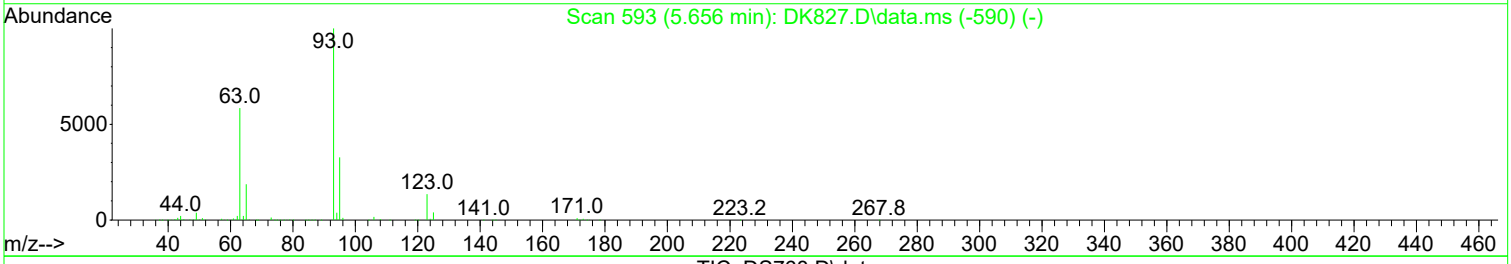
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS768.D
Acq On : 2 Jul 2019 8:00 pm
Operator : JMisiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 05 08:56:39 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration







TIC: DS768.D\data.ms

(40) bis(-2-Chloroethoxy)Methane (TM)

5.552min (+ 0.002) 48.79 ppm m

response 137015

Ion	Exp%	Act%
92.95	100.00	100.00
94.95	31.60	31.45
122.95	13.80	13.00
0.00	0.00	0.00

Manual Integration:

After

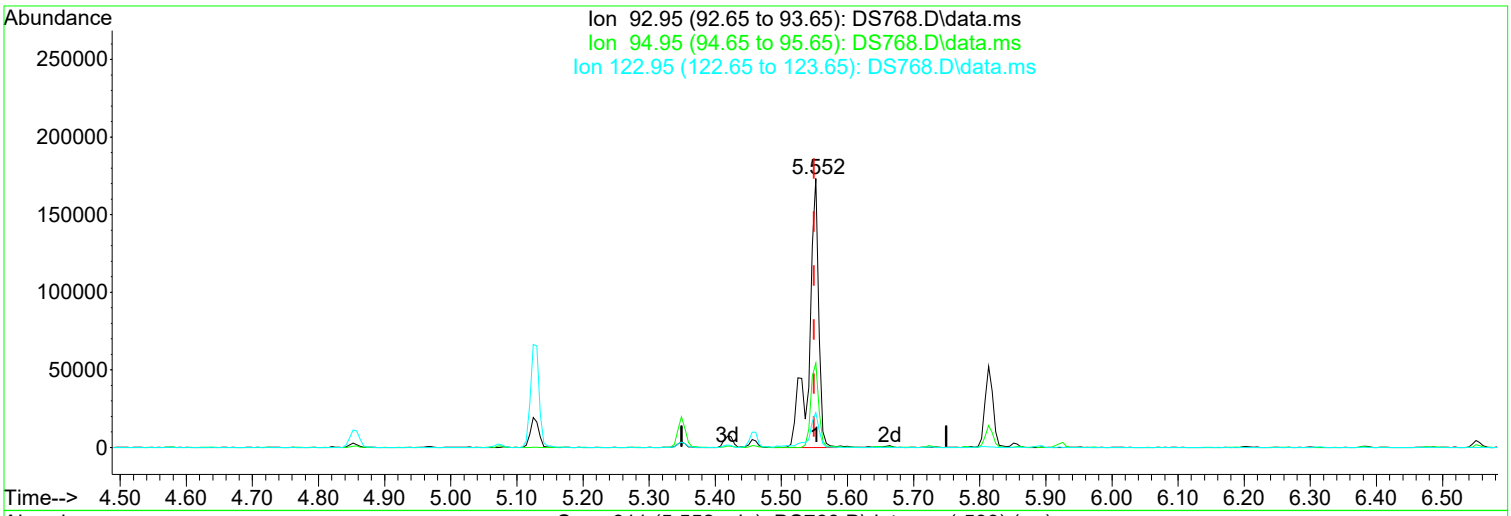
Poor integration.

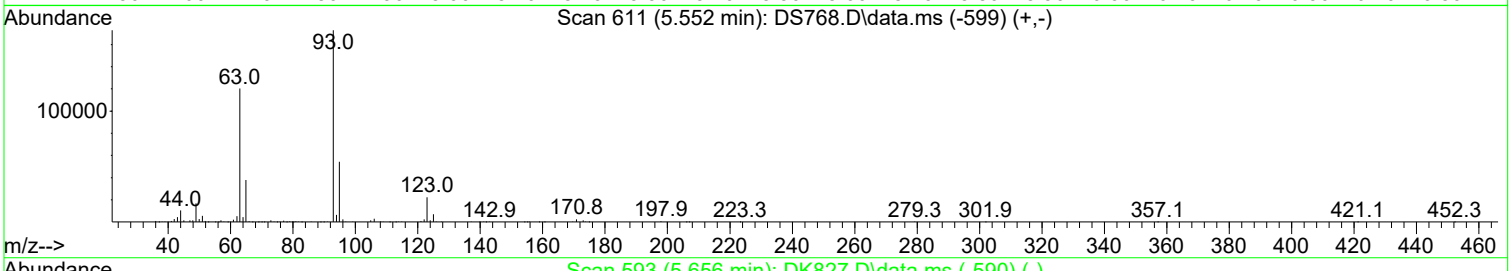
07/05/19

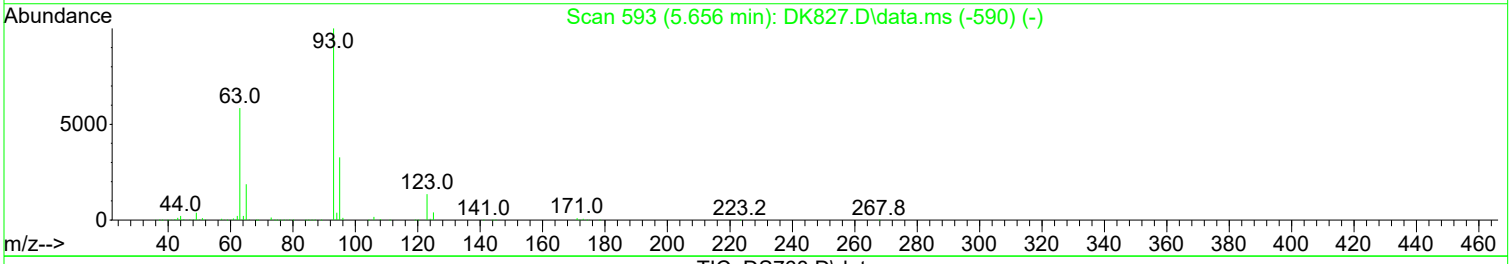
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS768.D
Acq On : 2 Jul 2019 8:00 pm
Operator : JMisiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 05 08:56:39 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration







TIC: DS768.D\data.ms

(40) bis(-2-Chloroethoxy)Methane (TM)

5.552min (+ 0.002) 63.28 ppm

response 177706

Ion	Exp%	Act%
92.95	100.00	100.00
94.95	31.60	31.40
122.95	13.80	12.88
0.00	0.00	0.00

Manual Integration:

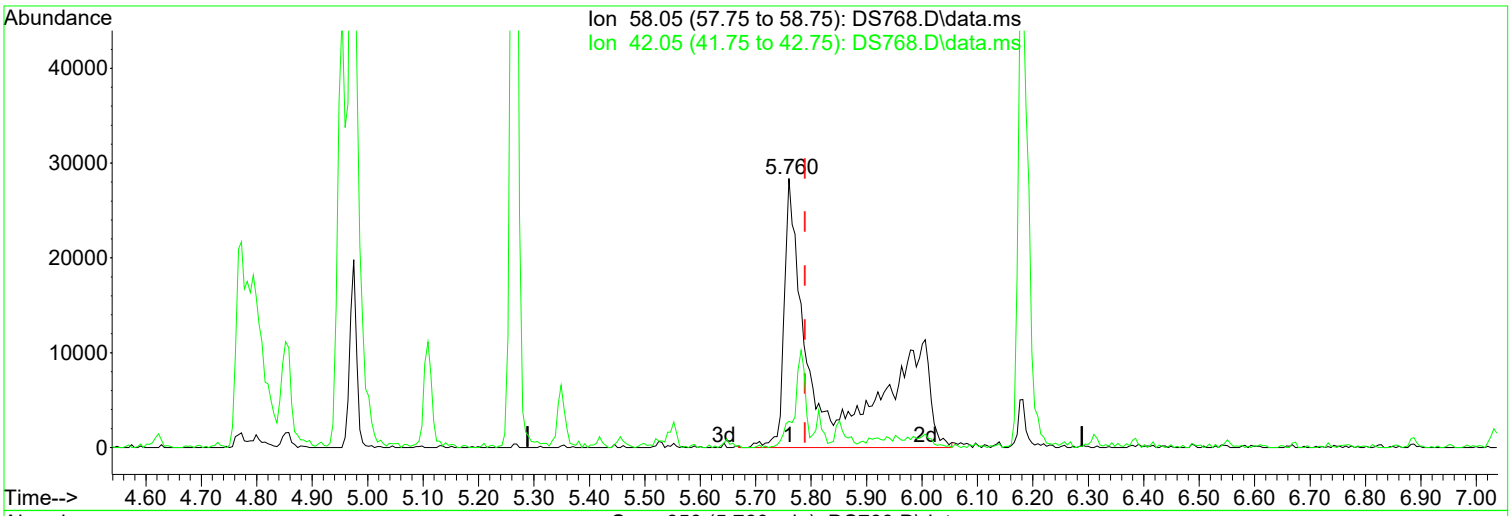
Before

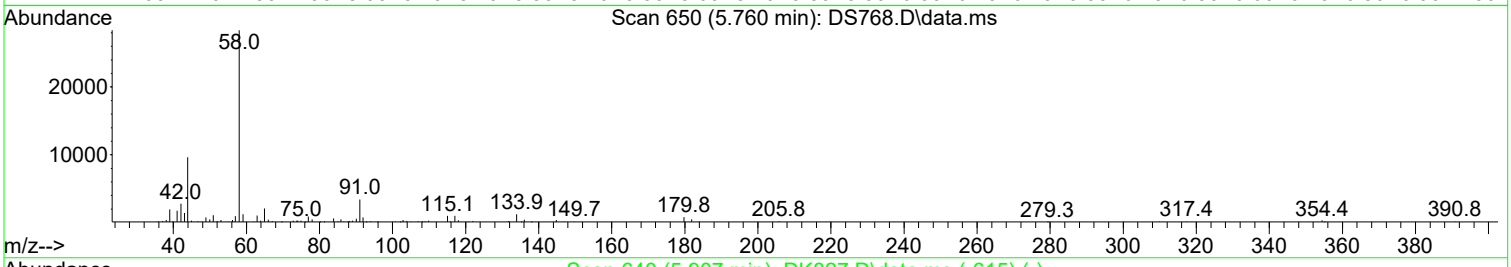
07/05/19

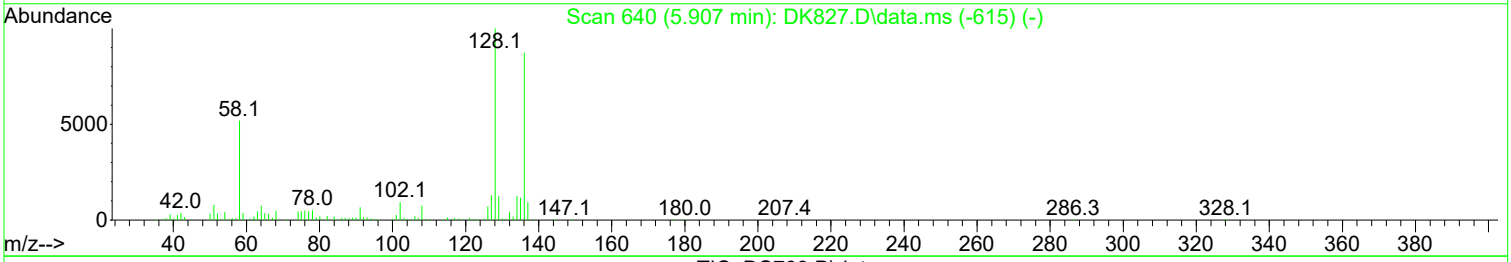
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS768.D
Acq On : 2 Jul 2019 8:00 pm
Operator : JMisiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 05 08:56:39 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration







TIC: DS768.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.760min (-0.029) 25.26 ppm m

response 133042

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	10.40	9.79
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

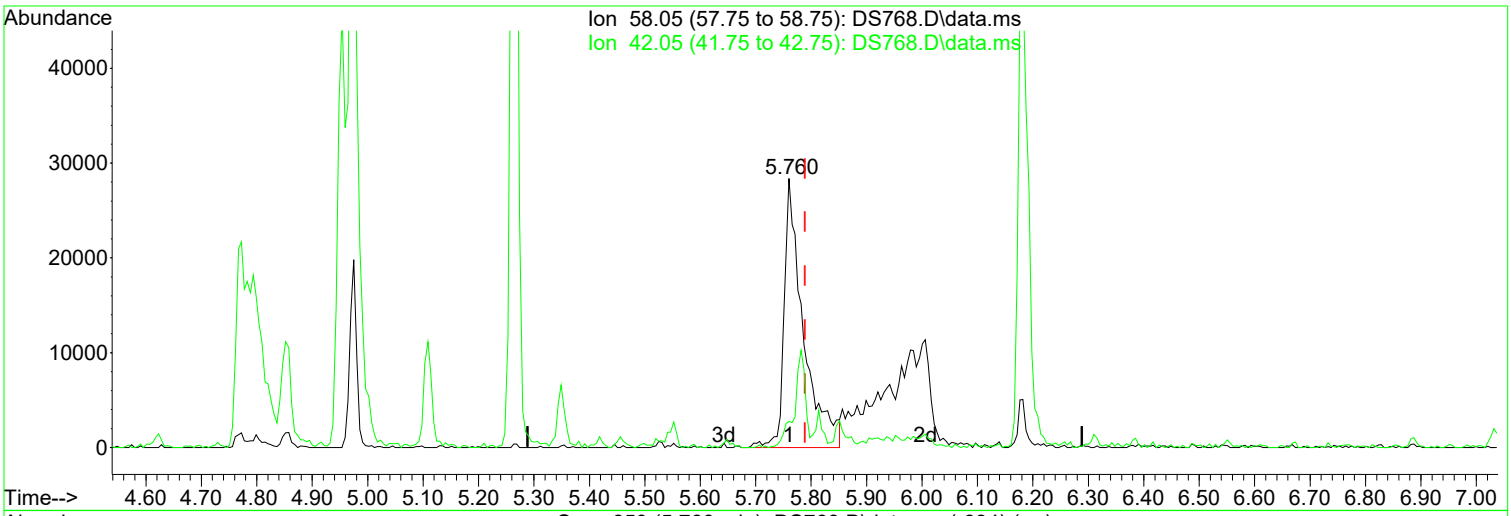
Poor integration.

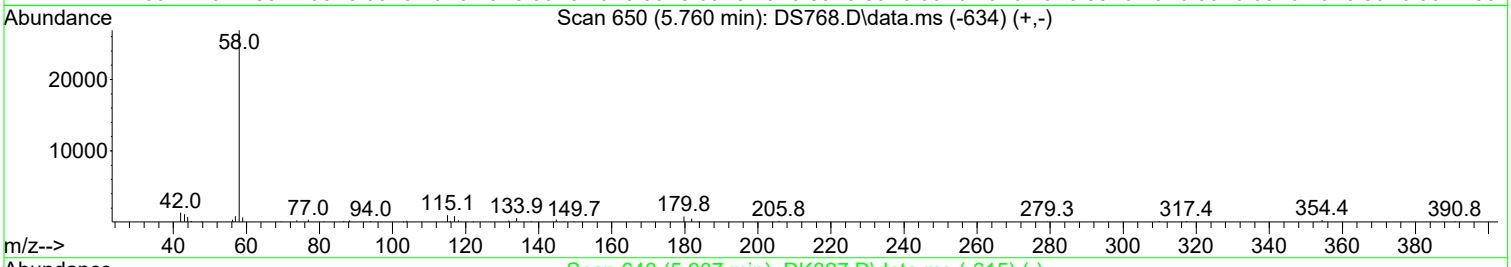
07/05/19

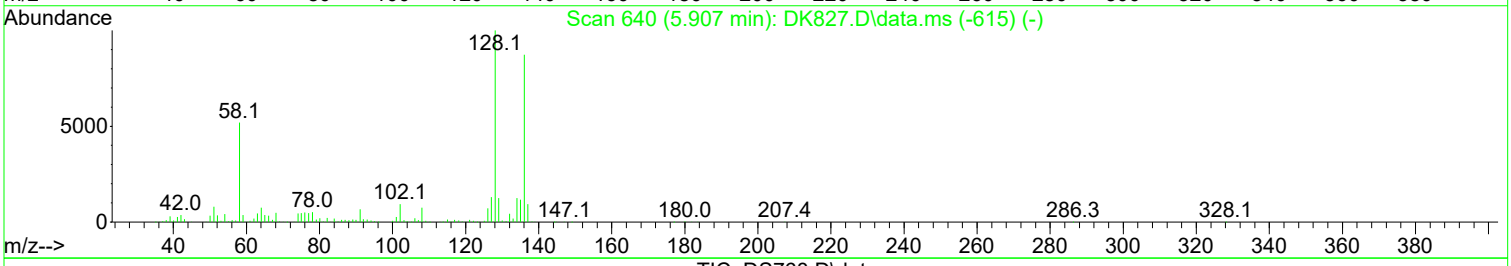
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS768.D
Acq On : 2 Jul 2019 8:00 pm
Operator : JMisiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 05 08:56:39 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration







TIC: DS768.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.760min (-0.029) 12.98 ppm

response 68387

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	10.40	5.06
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

07/05/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS768.D
Acq On : 2 Jul 2019 8:00 pm
Operator : JMisiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 05 08:56:39 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.623	152	63055	40.00	ppm	0.00
33) d8-Naphthalene	5.782	136	228830	40.00	ppm	0.00
57) d10-Acenaphthene	7.480	164	145247	40.00	ppm	0.00
91) d10-Phenanthrene	8.943	188	210573	40.00	ppm	0.00
117) d12-Chrysene	12.100	240	232170	40.00	ppm	0.00
135) d12-Perylene	14.904	264	228187	40.00	ppm	0.00
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.565	112	106369	48.56	ppm	0.00
Spiked Amount 100.000	Range 10 - 70		Recovery = 48.56%			
12) SURR2,PHENOL-D6	4.281	99	135303	50.33	ppm	0.00
Spiked Amount 100.000	Range 10 - 107		Recovery = 50.33%			
34) SURR4,NITROBENZENE-D5	5.109	82	138175	53.29	ppm	0.00
Spiked Amount 50.000	Range 31 - 110		Recovery = 106.58%			
63) SURR5,2-FLUOROBIPHENYL	6.828	172	275571	53.34	ppm	0.00
Spiked Amount 50.000	Range 31 - 118		Recovery = 106.68%			
88) SURR3,2,4,6-TRIBROMOPH...	8.254	330	45252	46.58	ppm	0.00
Spiked Amount 100.000	Range 35 - 141		Recovery = 46.58%			
124) SURR6,TERPHENYL-D14	10.605	244	252800	49.77	ppm	0.00
Spiked Amount 50.000	Range 10 - 165		Recovery = 99.54%			
Target Compounds						Qvalue
2) Pyridine	2.641	79	120536	49.518	ppm	88
3) N-Nitrosodimethylamine	2.609	74	71872	52.065	ppm	95
4) 2-Picoline	3.159	93	113131	50.202	ppm	97
5) N-Nitrosomethylamine	3.228	42	73094	49.384	ppm	95
6) Methyl Methansulfonate	3.442	80	56076	50.289	ppm	90
8) N-Nitrosodiethylamine	3.747	102	51950	48.535	ppm	89
9) Ethyl Mathanesulfonate	3.971	79	85258	48.065	ppm	97
10) Benzaldehyde	4.254	106	83173	48.623	ppm	94
11) Aniline	4.339	93	166479	51.325	ppm	97
13) Phenol	4.291	94	132514	49.580	ppm	97
14) bis(2-Clethyl)Ether	4.388	93	107321	49.087	ppm	96
15) Pentachloroethane	4.388	117	42414	49.163	ppm	94
16) 2-Chlorophenol	4.441	128	114231	53.190	ppm	98
17) 1,3-Diclbenzene	4.574	146	128162	52.262	ppm	97
18) 1,4-Dichlorobenzene	4.639	146	135837	52.545	ppm	97
19) 1,2-Diclbenzene	4.767	146	129321	53.140	ppm	97
20) Benzyl Alcohol	4.729	79	107514	54.014	ppm	97
21) 1-Methyl-2-pyrrolidinone	4.772	99	70790	57.007	ppm	87
22) 2,2'-oxybis(1-Chloropr...	4.852	45	165171	50.061	ppm	98
23) 2-Methylphenol	4.825	108	103441	52.876	ppm	97
24) 3+4-Methylphenol	4.964	108	112947	51.608	ppm	87
25) Acetophenone	4.970	105	157939	52.165	ppm	100
26) N-Nitroso-Di-n-propyla...	4.975	70	93063	51.256	ppm	90
27) N-Nitrosopyrrolidine	4.954	100	57728	51.920	ppm	95
28) N-Nitrosomorpholine	4.986	56	79353	51.510	ppm	99
29) o-Toluidine	5.002	106	174393	52.975	ppm	96
30) Hexachloroethane	5.071	117	57659	54.836	ppm	97
31) o,o,o-Triethylphosphor...	5.531	198	54647	54.064	ppm	99
32) Alpha-terpinol	5.814	121	37876	51.134	ppm	93
35) Nitrobenzene	5.125	77	134339	53.373	ppm	98
36) N-Nitrosopiperidine	5.263	42	92364	52.836	ppm	96
37) Isophorone	5.349	82	230285	54.759	ppm	99
38) 2-Nitrophenol	5.418	139	66250	55.363	ppm	94

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS768.D
Acq On : 2 Jul 2019 8:00 pm
Operator : JMisiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 05 08:56:39 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) 2,4-Dimethylphenol	5.456	107	127400	54.902	ppm		97
40) bis(-2-Chloroethoxy)Me...	5.552	93	137015m	48.790	ppm		
41) Benzoic Acid	5.536	105	90007	57.574	ppm	#	53
42) 2,4-Dichlorophenol	5.648	162	92499	52.733	ppm		97
43) a,a-Dimethylphenethyla...	5.760	58	133042m	25.260	ppm		
44) 1,2,4-Trichlorobenzene	5.728	180	106260	52.155	ppm		97
45) Naphthalene	5.803	128	362151	54.887	ppm		99
46) 4-Chloroaniline	5.851	127	138926	52.567	ppm		99
47) 2,6-Dichlorophenol	5.862	162	101397	54.799	ppm		90
48) Hexachlorobutadiene	5.926	225	59817	51.544	ppm		98
49) Hexachloropropene	5.888	213	75605	56.677	ppm		95
50) 4-Chloro-3-methylphenol	6.310	107	98290	55.914	ppm		98
51) N-N-di-n-butylamine	6.182	84	93039	53.036	ppm		96
52) Caprolactam	6.193	113	30475	54.502	ppm		99
53) p-Phenylenediamine	6.203	80	47499	44.962	ppm		85
54) Safrole	6.385	162	83279	52.481	ppm		96
55) 2-Methylnaphthalene	6.471	142	257363	58.253	ppm		100
56) 1-Methylnaphthalene	6.561	142	255061	61.131	ppm		96
58) Hexachlorocyclopentadiene	6.625	237	75914	52.622	ppm		92
59) 1,2,4,5-Tetrachloroben...	6.631	216	115779	53.076	ppm		98
60) 1,2,3,4-Tetrachloroben...	6.903	216	111033	55.657	ppm		96
61) 2,4,6-Trichlorophenol	6.738	196	78589	54.836	ppm		94
62) 2,4,5-Trichlorophenol	6.770	196	79972	53.238	ppm		92
64) Isosafrole	6.887	104	48345	49.518	ppm		91
65) 1,1'-Biphenyl	6.925	154	300580	54.672	ppm		97
66) 2-Chloronaphthalene	6.941	162	245364	54.156	ppm		98
67) 2-Nitroaniline	7.037	65	66041	49.544	ppm		89
68) 1,4-Naphthoquinone	7.111	158	78635	56.935	ppm		88
69) m-Dinitrobenzene	7.245	168	38883	49.274	ppm		78
70) Acenaphthylene	7.346	152	401332	53.355	ppm		99
71) Dimethyl phthalate	7.224	163	233776	49.599	ppm		98
72) 2,6-Dinitrotoluene	7.277	165	52292	50.131	ppm		91
73) Acenaphthene	7.512	153	264769	50.770	ppm		96
74) 3-Nitroaniline	7.437	138	59407	50.431	ppm		96
75) 2,4-Dinitrophenol	7.539	184	39265	50.648	ppm		90
76) Dibenzofuran	7.683	168	334060	54.761	ppm		97
77) 2,4-Dinitrotoluene	7.672	165	78296	53.037	ppm		88
78) 4-Nitrophenol	7.597	65	58648	50.368	ppm		85
79) Pentachlorobenzene	7.646	250	100627	51.353	ppm		94
80) 1-Napthylamine	7.758	143	122520	50.015	ppm		94
81) 2-Napthylamine	7.838	143	198863	50.333	ppm		92
82) 2,3,4,6-Tetrachlorophenol	7.806	232	63128	51.127	ppm		96
83) Fluorene	8.025	166	277792	51.797	ppm		99
84) 4-Chlorophenyl-phenyle...	8.025	204	129824	52.126	ppm		95
85) Diethylphthalate	7.923	149	244878	48.935	ppm		97
86) 4-Nitroaniline	8.041	138	68545	53.056	ppm		97
87) 5-Nitro-o-toluidine	8.035	152	76234	53.793	ppm		99
89) Sulfotepp	8.313	322	42487	50.754	ppm		85
90) Octachlorocyclopentene	8.276	307	47334	50.182	ppm		94
92) Thionazin	8.003	107	35518	55.263	ppm		96
93) 4,6-Dinitro-2-methylph...	8.068	198	53611	60.367	ppm		93
94) Diphenylamine	8.142	169	370399	110.220	ppm		96
95) 1,2 Diphenylhydrazine	8.180	77	246629	53.476	ppm		98
96) N-Nitrosodiphenylamine	8.142	169	370399	110.218	ppm		96
97) 1,3,5-Trinirobenzene	8.393	74	42634	56.356	ppm		92
98) Diallate	8.431	86	72695	49.786	ppm		90

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS768.D
Acq On : 2 Jul 2019 8:00 pm
Operator : JMisiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 05 08:56:39 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration

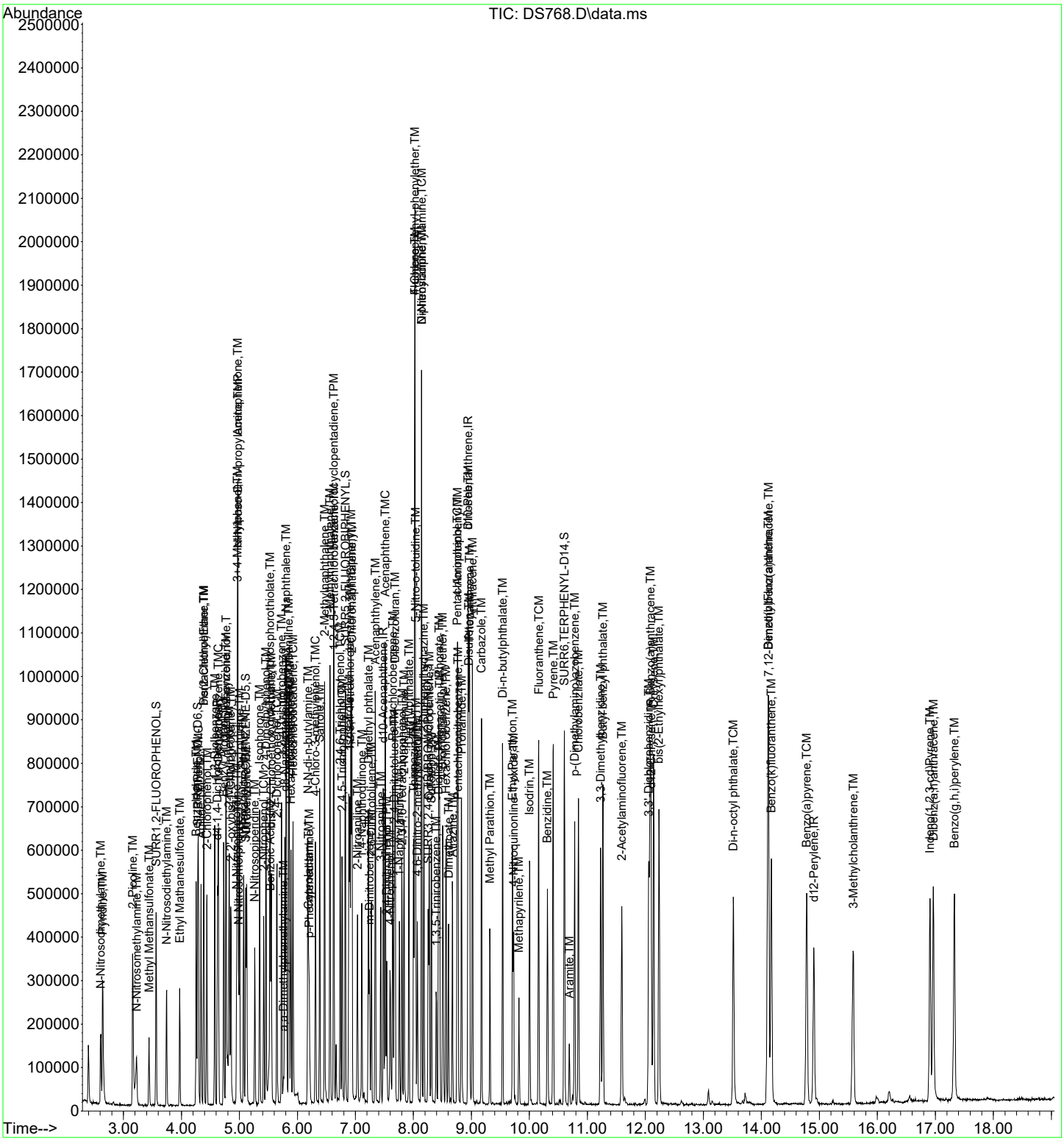
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) Phorate	8.441	121	44050	57.375	ppm	87
100) Phenacetin	8.452	108	127055	57.739	ppm	95
101) 4-Bromophenyl-phenylether	8.505	248	68188	52.080	ppm	95
102) Hexachlorobenzene	8.564	284	77565	52.428	ppm	93
103) Dimethoate	8.607	87	65929	49.374	ppm	95
104) Atrazine	8.676	215	29564	54.788	ppm	90
105) Pentachlorophenol	8.757	266	52100	53.112	ppm	97
106) 4-Aminobiphenyl	8.762	169	222145	54.869	ppm	97
107) Pentachloronitrobenzene	8.773	237	31074	55.983	ppm	98
108) Pronamide	8.831	173	100648	53.238	ppm	98
109) Dinoseb	8.943	211	66416	53.856	ppm	95
110) Disulfoton	8.954	88	129518	53.400	ppm	98
111) Phenanthrene	8.970	178	340941	53.185	ppm	99
112) Anthracene	9.018	178	342405	54.355	ppm	98
113) Carbazole	9.173	167	317636	56.905	ppm	100
114) Di-n-butylphthalate	9.536	149	375376	52.077	ppm	98
115) 4-Nitroquinonline-1-oxide	9.729	190	35687	55.083	ppm	94
116) Fluoranthene	10.161	202	341098	48.200	ppm	98
118) Methyl Parathion	9.317	109	57030	55.708	ppm	91
119) Ethyl Parathion	9.707	97	52133	56.310	ppm	99
120) Methapyrilene	9.819	58	59189	51.906	ppm	91
121) Isodrin	10.001	193	34995	50.782	ppm	85
122) Benzidine	10.311	184	194987	50.290	ppm	98
123) Pyrene	10.412	202	369603	50.798	ppm	100
125) Aramite	10.690	185	22932m	47.413	ppm	
126) p-(Dimethylamino)azobe...	10.781	120	107797	56.311	ppm	97
127) Chlorobenzilate	10.845	139	133448	54.685	ppm	95
128) Butyl benzyl phthalate	11.267	149	193124	55.540	ppm	94
129) 3,3-Dimethylbenzidine	11.229	212	221465	53.512	ppm	97
130) 2-Acetylaminofluorene	11.593	181	121087	46.847	ppm	97
131) 3,3'-Dichlorobenzidine	12.057	252	141562	52.034	ppm	94
132) Benzo(a)anthracene	12.084	228	400360	52.690	ppm	98
133) Chrysene	12.143	228	376547	51.546	ppm	98
134) bis(2-Ethylhexyl)phtha...	12.234	149	262466	55.535	ppm	99
136) Di-n-octyl phthalate	13.515	149	396057	53.979	ppm	97
137) 7,12-Dimethylbenz(a)an...	14.124	256	172318	51.869	ppm	97
138) Benzo(b)Fluoranthene	14.119	252	403486	52.964	ppm	96
139) Benzo(k)fluoranthene	14.172	252	358100	52.317	ppm	97
140) Benzo(a)pyrene	14.781	252	346578	54.043	ppm	100
141) 3-Methylcholanthrene	15.588	268	161230	47.433	ppm	97
142) Indeno(1,2,3-cd)Pyrene	16.907	276	293728	51.776	ppm	98
143) Dibenz(a,h)anthracene	16.966	278	302032	49.951	ppm	97
144) Benzo(g,h,i)perylene	17.329	276	320962	54.966	ppm	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS768.D
Acq On : 2 Jul 2019 8:00 pm
Operator : JMisiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 8 Sample Multiplier: 1

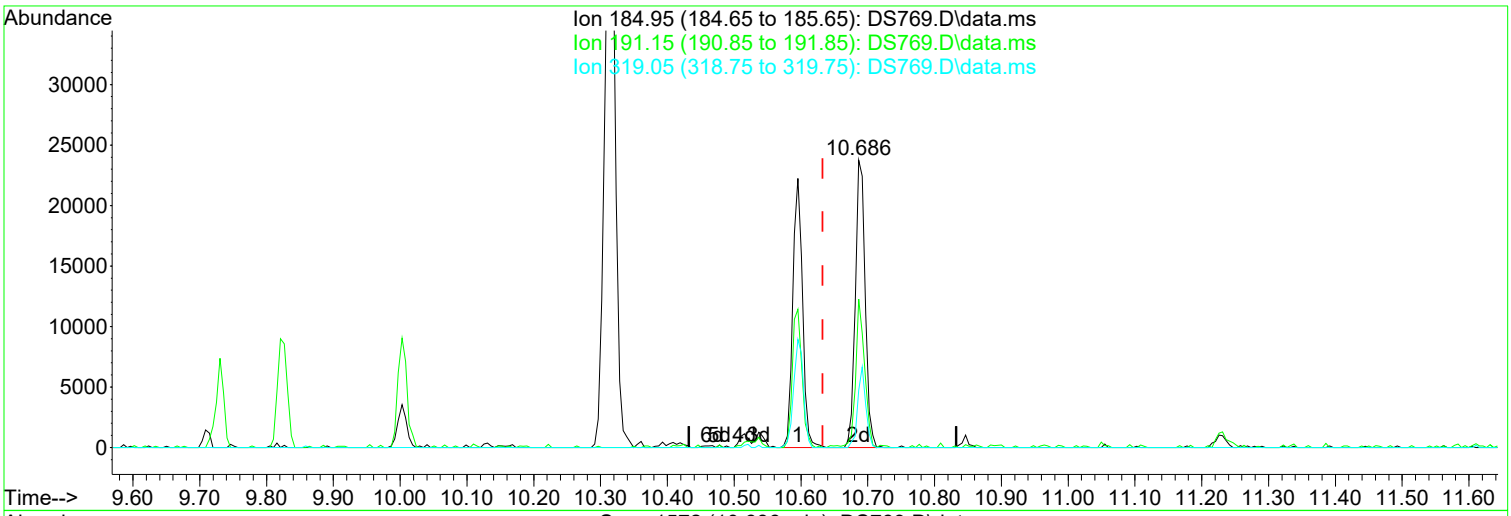
Quant Time: Jul 05 08:56:39 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration

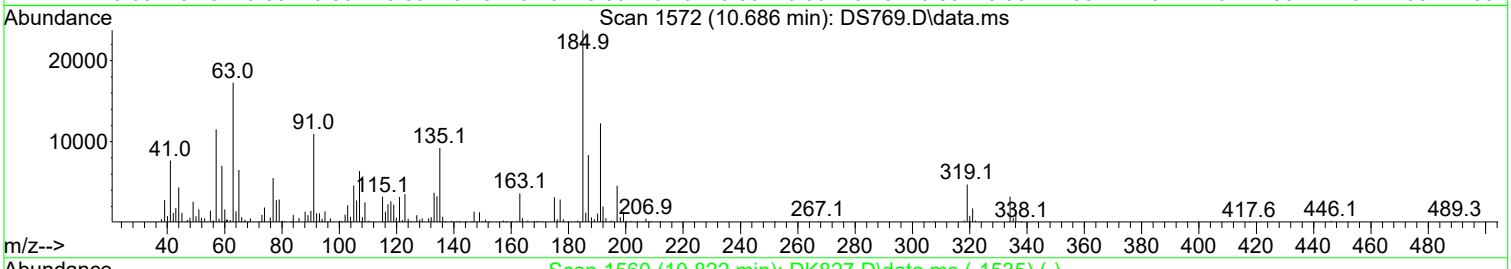


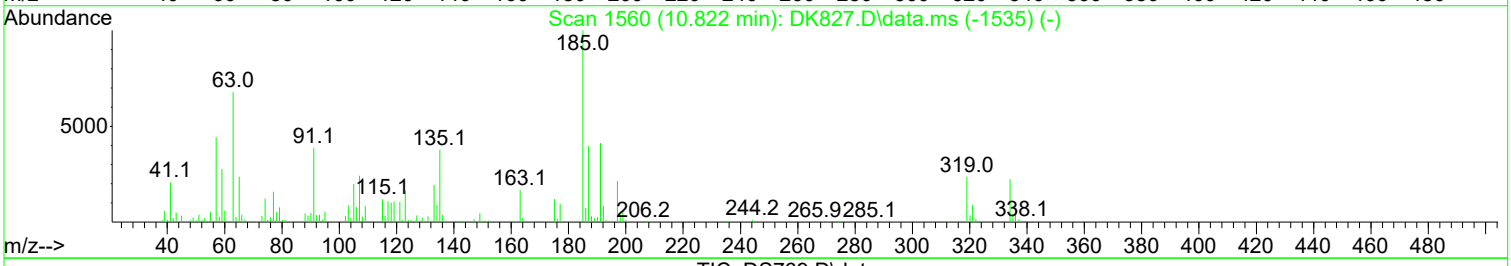
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS769.D
Acq On : 2 Jul 2019 8:28 pm
Operator : JMisiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 05 08:56:44 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration







TIC: DS769.D\data.ms

(125) Aramite (TM)

10.686min (+ 0.054) 86.34 ppm m

response 46965

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	51.70	51.67
319.05	19.90	19.94
0.00	0.00	0.00

Manual Integration:

After

Split Peak.

07/05/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS769.D
Acq On : 2 Jul 2019 8:28 pm
Operator : JMisiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 9 Sample Multiplier: 1

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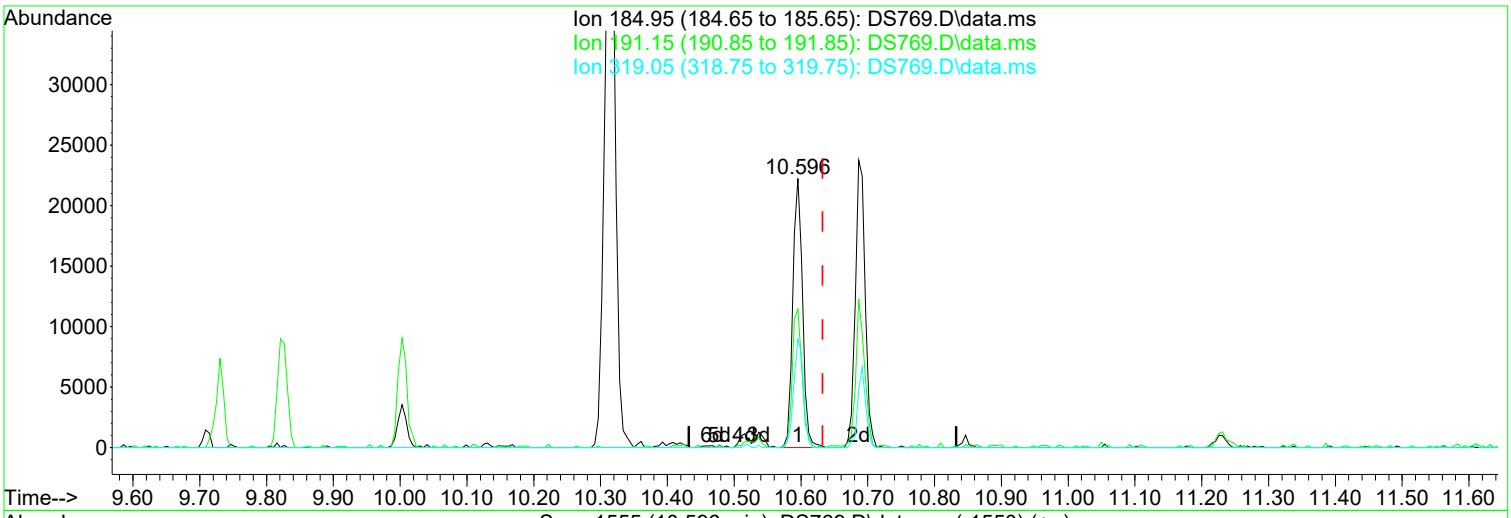
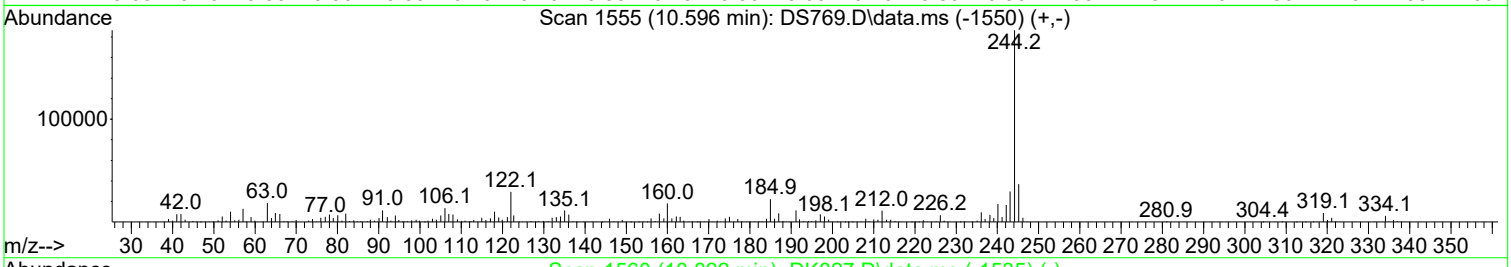
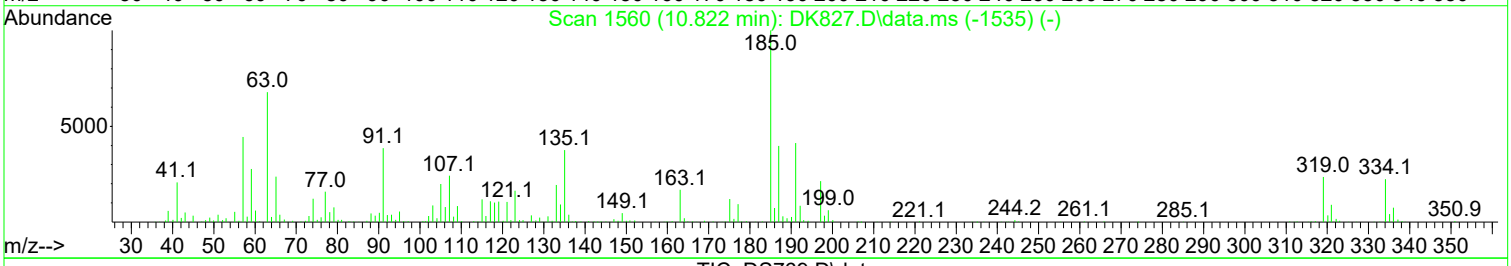
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration







TIC: DS769.D\data.ms

(125) Aramite (TM)

10.596min (-0.037) 41.40 ppm

response 22522

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	51.70	51.11
319.05	19.90	40.15
0.00	0.00	0.00

Manual Integration:

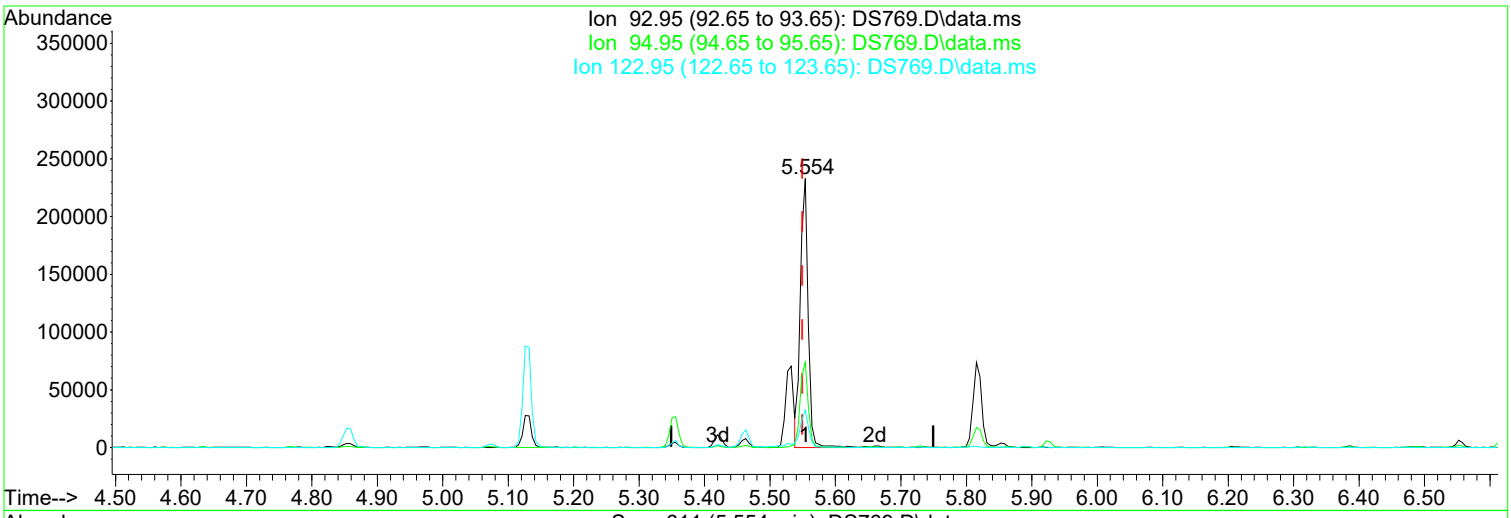
Before

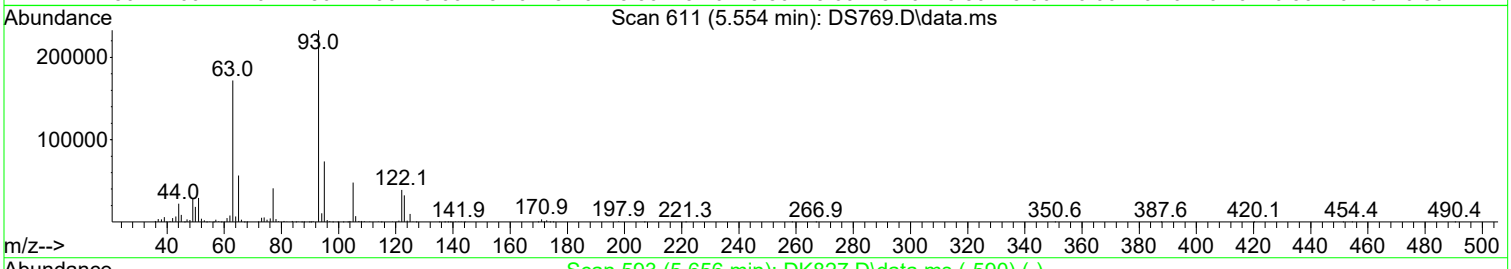
07/05/19

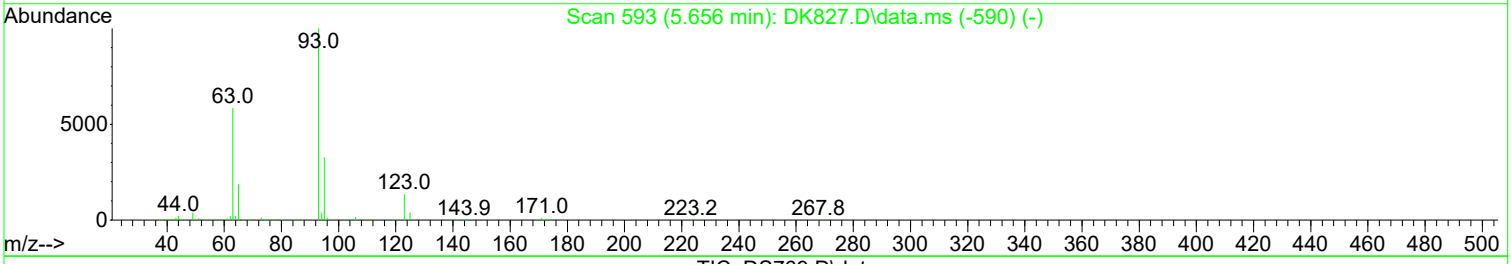
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS769.D
Acq On : 2 Jul 2019 8:28 pm
Operator : JMisiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 05 08:56:44 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration







TIC: DS769.D\data.ms

(40) bis(-2-Chloroethoxy)Methane (TM)

5.554min (+ 0.004) 70.66 ppm m

response 196375

Ion	Exp%	Act%
92.95	100.00	100.00
94.95	31.60	31.61
122.95	13.80	13.93
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

07/05/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS769.D
Acq On : 2 Jul 2019 8:28 pm
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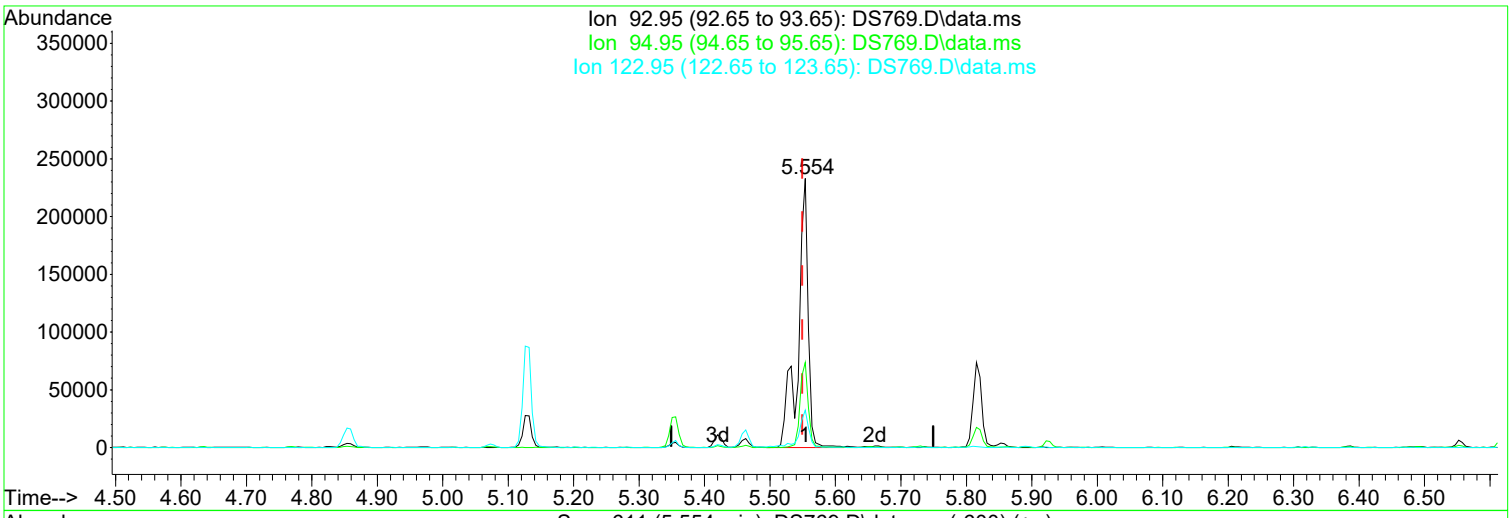
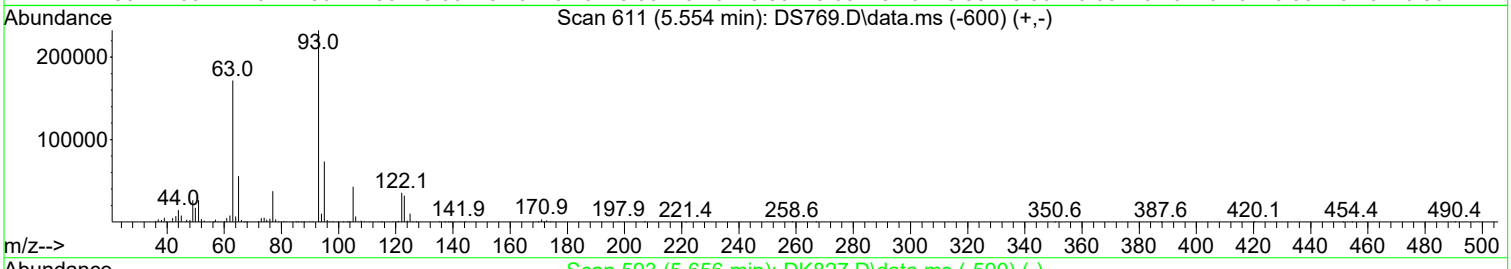
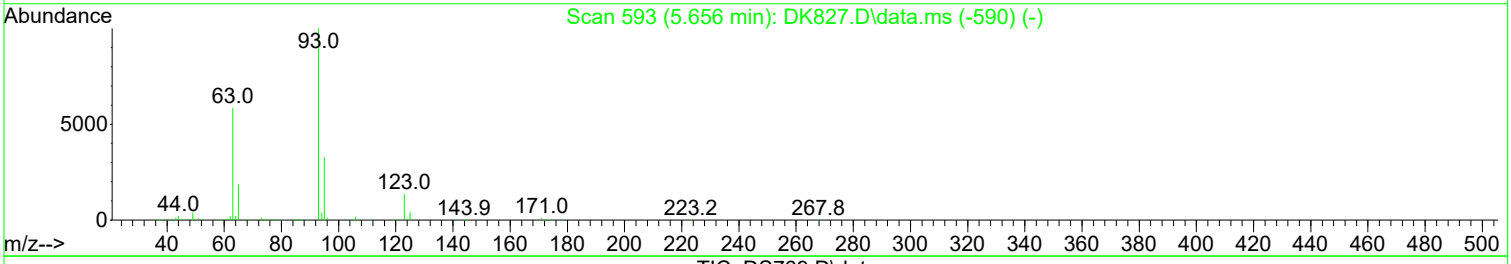
Sample : 80 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 05 08:56:44 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration







TIC: DS769.D\data.ms

(40) bis(-2-Chloroethoxy)Methane (TM)

5.554min (+ 0.004) 92.28 ppm

response 256451

Ion	Exp%	Act%
92.95	100.00	100.00
94.95	31.60	31.57
122.95	13.80	13.75
0.00	0.00	0.00

Manual Integration:

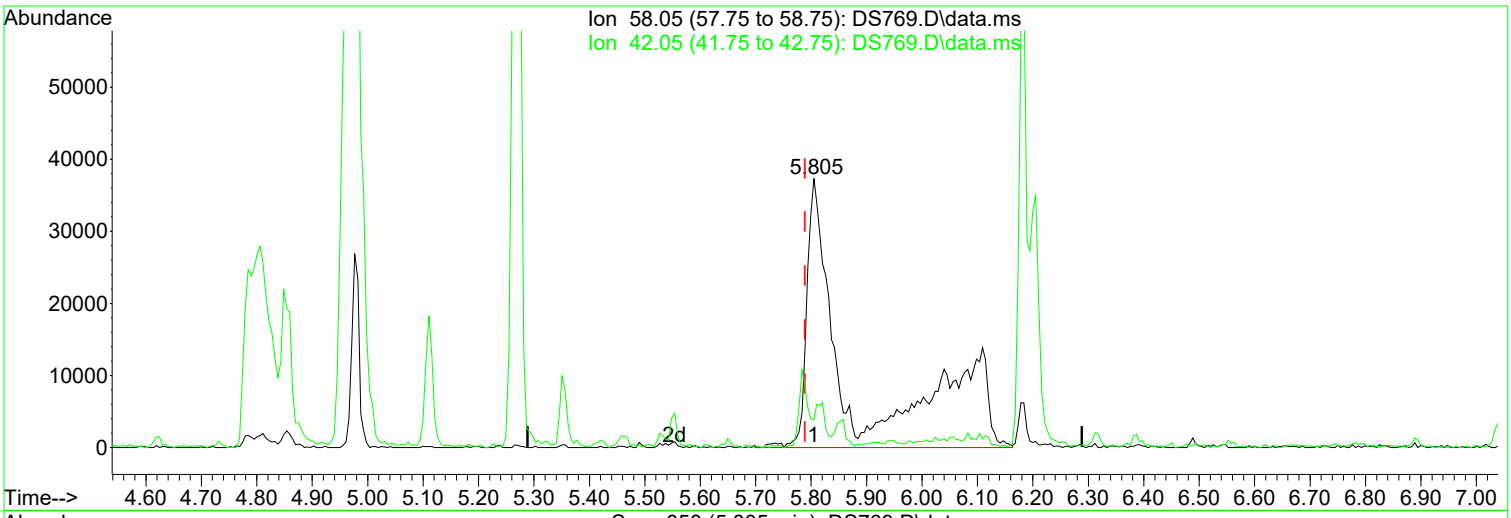
Before

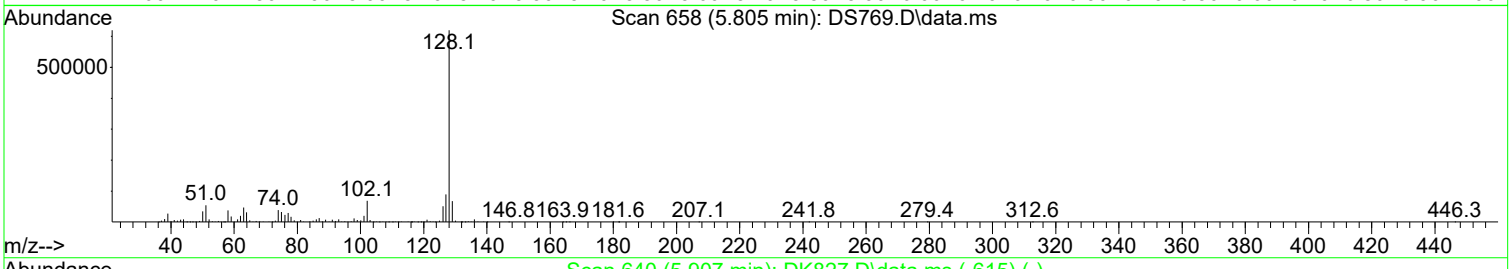
07/05/19

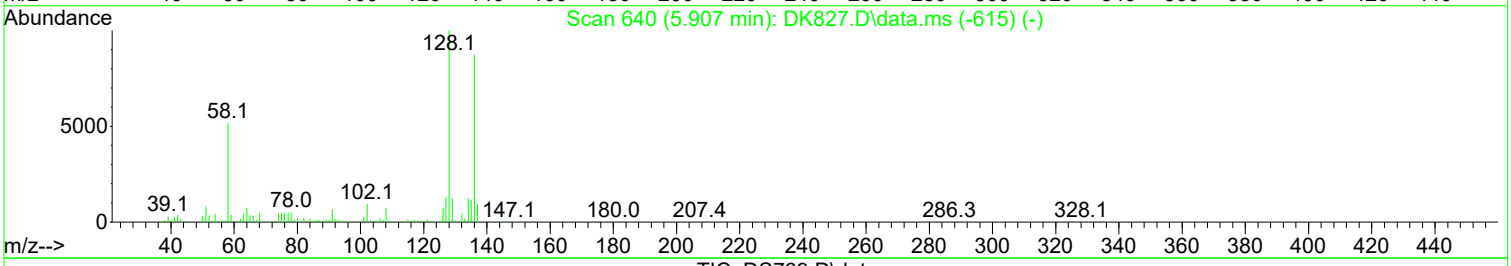
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS769.D
Acq On : 2 Jul 2019 8:28 pm
Operator : JMisiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 05 08:56:44 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration







TIC: DS769.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.805min (+ 0.016) 39.16 ppm m

response 204127

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	10.40	10.38
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

07/05/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS769.D
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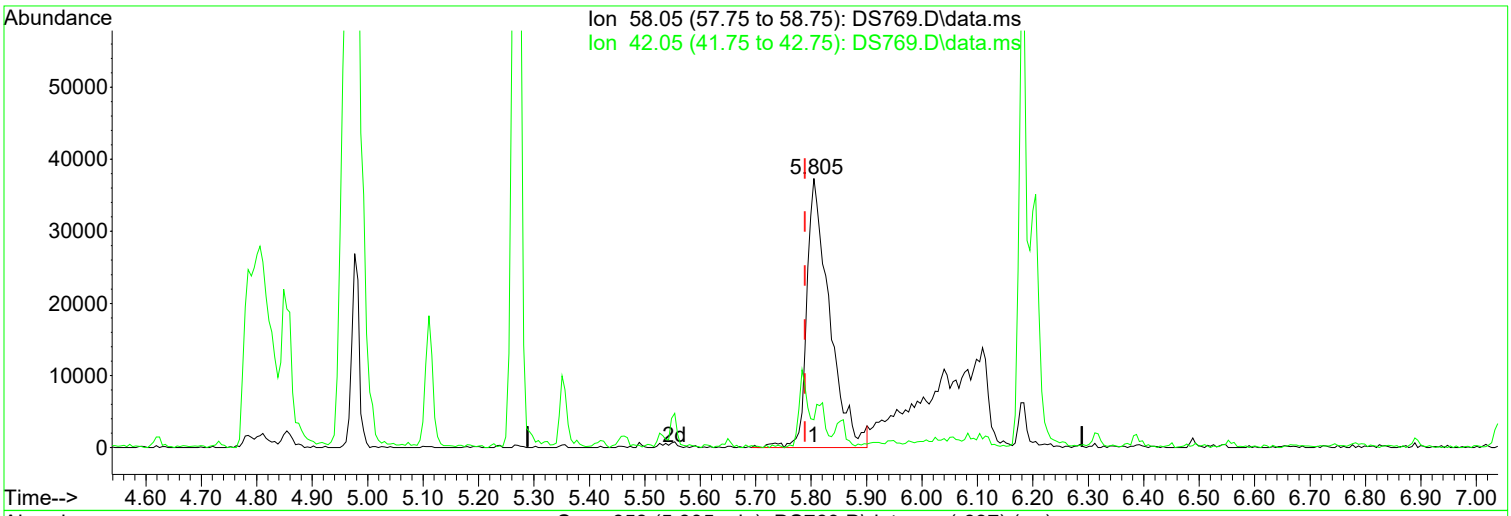
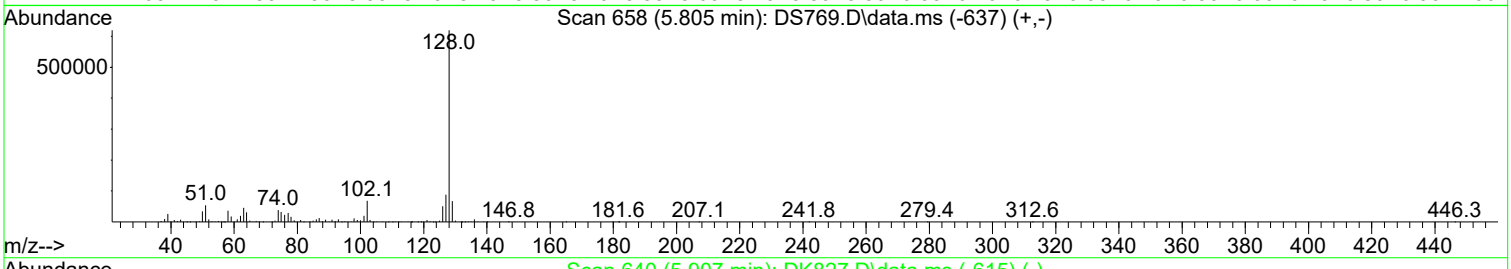
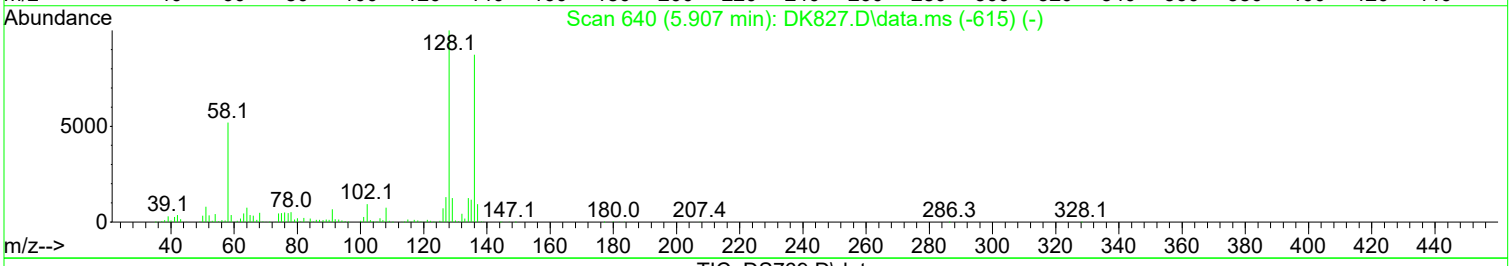
Operator : JMisiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 05 08:56:44 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration







TIC: DS769.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.805min (+ 0.016) 20.35 ppm

response 106084

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	10.40	9.28
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

07/05/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS769.D
Acq On : 2 Jul 2019 8:28 pm
Operator : JMisiurewicz
Sample : 80 ppm STD
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Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.624	152	61078	40.00	ppm	0.00
33) d8-Naphthalene	5.783	136	226459	40.00	ppm	0.00
57) d10-Acenaphthene	7.482	164	118508	40.00	ppm	0.00
91) d10-Phenanthrene	8.945	188	205290	40.00	ppm	0.00
117) d12-Chrysene	12.102	240	261121	40.00	ppm	0.00
135) d12-Perylene	14.906	264	243603	40.00	ppm	0.00
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.567	112	162335	76.51	ppm	0.00
Spiked Amount 100.000	Range 10 - 70		Recovery = 76.51%#			
12) SURR2,PHENOL-D6	4.282	99	204510	78.53	ppm	0.00
Spiked Amount 100.000	Range 10 - 107		Recovery = 78.53%			
34) SURR4,NITROBENZENE-D5	5.110	82	197224	76.86	ppm	0.00
Spiked Amount 50.000	Range 31 - 110		Recovery = 153.72%#			
63) SURR5,2-FLUOROBIPHENYL	6.830	172	339448	80.53	ppm	0.00
Spiked Amount 50.000	Range 31 - 118		Recovery = 161.06%#			
88) SURR3,2,4,6-TRIBROMOPH...	8.256	330	61079	77.06	ppm	0.00
Spiked Amount 100.000	Range 35 - 141		Recovery = 77.06%			
124) SURR6,TERPHENYL-D14	10.606	244	478133	83.70	ppm	0.00
Spiked Amount 50.000	Range 10 - 165		Recovery = 167.40%#			
Target Compounds						Qvalue
2) Pyridine	2.637	79	193384	82.017	ppm	100
3) N-Nitrosodimethylamine	2.605	74	115237	86.181	ppm	100
4) 2-Picoline	3.155	93	177609	81.365	ppm	100
5) N-Nitrosomethylamine	3.225	42	108064	75.374	ppm	99
6) Methyl Methansulfonate	3.444	80	85130	78.815	ppm	100
8) N-Nitrosodiethylamine	3.743	102	81556	78.661	ppm	100
9) Ethyl Mathanesulfonate	3.973	79	129743	75.511	ppm	100
10) Benzaldehyde	4.256	106	118875	71.744	ppm	100
11) Aniline	4.341	93	251906	80.176	ppm	100
13) Phenol	4.298	94	206168	79.634	ppm	100
14) bis(2-Clethyl)Ether	4.389	93	166333	78.541	ppm	100
15) Pentachloroethane	4.384	117	61729	73.867	ppm	100
16) 2-Chlorophenol	4.437	128	176472	84.831	ppm	100
17) 1,3-Diclbenzene	4.576	146	196583	82.757	ppm	100
18) 1,4-Dichlorobenzene	4.635	146	197537	78.885	ppm	100
19) 1,2-Diclbenzene	4.768	146	187132	79.384	ppm	100
20) Benzyl Alcohol	4.731	79	159859	82.912	ppm	100
21) 1-Methyl-2-pyrrolidinone	4.806	99	105054	87.338	ppm	100
22) 2,2'-oxybis(1-Chloropr...	4.854	45	248863	77.868	ppm	100
23) 2-Methylphenol	4.827	108	151965	80.194	ppm	100
24) 3+4-Methylphenol	4.971	108	170626	80.487	ppm	100
25) Acetophenone	4.977	105	222448	75.850	ppm	100
26) N-Nitroso-Di-n-propyla...	4.977	70	134455	76.450	ppm	100
27) N-Nitrosopyrrolidine	4.961	100	88863	82.509	ppm	99
28) N-Nitrosomorpholine	4.993	56	118906	79.683	ppm	100
29) o-Toluidine	5.003	106	257212	80.662	ppm	100
30) Hexachloroethane	5.073	117	83932	82.407	ppm	100
31) o,o,o-Triethylphosphor...	5.532	198	80950	82.679	ppm	100
32) Alpha-terpinol	5.815	121	55291	77.062	ppm	100
35) Nitrobenzene	5.126	77	194022	77.892	ppm	100
36) N-Nitrosopiperidine	5.271	42	142466	82.350	ppm	100
37) Isophorone	5.356	82	340577	81.833	ppm	100
38) 2-Nitrophenol	5.420	139	92150	77.813	ppm	100

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS769.D
Acq On : 2 Jul 2019 8:28 pm
Operator : JMisiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 05 08:56:44 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 2,4-Dimethylphenol	5.463	107	180063	78.410	ppm	100
40) bis(-2-Chloroethoxy)Me...	5.554	93	196375m	70.660	ppm	
41) Benzoic Acid	5.559	105	137704	89.006	ppm	93
42) 2,4-Dichlorophenol	5.650	162	145662	83.911	ppm	100
43) a,a-Dimethylphenethyla...	5.805	58	204127m	39.163	ppm	
44) 1,2,4-Trichlorobenzene	5.730	180	161885	80.289	ppm	100
45) Naphthalene	5.805	128	511910	78.396	ppm	100
46) 4-Chloroaniline	5.853	127	204216	78.080	ppm	100
47) 2,6-Dichlorophenol	5.863	162	147074	80.317	ppm	100
48) Hexachlorobutadiene	5.927	225	92253	80.326	ppm	100
49) Hexachloropropene	5.890	213	112501	85.220	ppm	100
50) 4-Chloro-3-methylphenol	6.317	107	139006	79.905	ppm	100
51) N-N-di-n-butylamine	6.184	84	122722	70.689	ppm	100
52) Caprolactam	6.205	113	45290	81.846	ppm	100
53) p-Phenylenediamine	6.211	80	57227	54.738	ppm	99
54) Safrole	6.387	162	124479	79.265	ppm	100
55) 2-Methylnaphthalene	6.472	142	340899	77.969	ppm	100
56) 1-Methylnaphthalene	6.563	142	327574	79.333	ppm	100
58) Hexachlorocyclopentadiene	6.627	237	101977	86.637	ppm	100
59) 1,2,4,5-Tetrachloroben...	6.633	216	149940	84.246	ppm	100
60) 1,2,3,4-Tetrachloroben...	6.905	216	144235	88.613	ppm	100
61) 2,4,6-Trichlorophenol	6.739	196	97880	83.705	ppm	100
62) 2,4,5-Trichlorophenol	6.777	196	101055	82.452	ppm	100
64) Isosafrole	6.889	104	66169	83.067	ppm	100
65) 1,1'-Biphenyl	6.926	154	370941	82.693	ppm	100
66) 2-Chloronaphthalene	6.942	162	300822	81.377	ppm	100
67) 2-Nitroaniline	7.038	65	92497	85.048	ppm	100
68) 1,4-Naphthoquinone	7.113	158	88379	78.428	ppm	100
69) m-Dinitrobenzene	7.247	168	53438	82.998	ppm	100
70) Acenaphthylene	7.343	152	502152	81.821	ppm	100
71) Dimethyl phthalate	7.231	163	304745	79.244	ppm	100
72) 2,6-Dinitrotoluene	7.279	165	68494	80.480	ppm	90
73) Acenaphthene	7.514	153	333427	78.362	ppm	100
74) 3-Nitroaniline	7.444	138	81164	84.446	ppm	100
75) 2,4-Dinitrophenol	7.546	184	51891	82.037	ppm	100
76) Dibenzofuran	7.685	168	403809	81.130	ppm	100
77) 2,4-Dinitrotoluene	7.674	165	103495	85.925	ppm	95
78) 4-Nitrophenol	7.605	65	87836	92.455	ppm	100
79) Pentachlorobenzene	7.647	250	124958	78.158	ppm	100
80) 1-Napthylamine	7.759	143	162596	81.351	ppm	100
81) 2-Napthylamine	7.840	143	249739	77.473	ppm	100
82) 2,3,4,6-Tetrachlorophenol	7.808	232	84115	83.495	ppm	100
83) Fluorene	8.021	166	342632	78.301	ppm	100
84) 4-Chlorophenyl-phenyle...	8.027	204	157335	77.425	ppm	100
85) Diethylphthalate	7.925	149	322342	78.949	ppm	100
86) 4-Nitroaniline	8.048	138	89319	84.735	ppm	100
87) 5-Nitro-o-toluidine	8.037	152	100507	86.922	ppm	98
89) Sulfotepp	8.315	322	59739	87.464	ppm	100
90) Octachlorocyclopentene	8.272	307	65870	85.590	ppm	100
92) Thionazin	8.005	107	50642	80.822	ppm	100
93) 4,6-Dinitro-2-methylph...	8.075	198	67637	78.121	ppm	100
94) Diphenylamine	8.144	169	478908	146.177	ppm	100
95) 1,2 Diphenylhydrazine	8.181	77	332723	74.000	ppm	100
96) N-Nitrosodiphenylamine	8.144	169	478908	146.174	ppm	100
97) 1,3,5-Trinirobenzene	8.406	74	63309	85.839	ppm	100
98) Diallate	8.432	86	104045	73.090	ppm	100

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS769.D
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Misc : Initial Calibration 8270D/625
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 05 08:56:44 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration

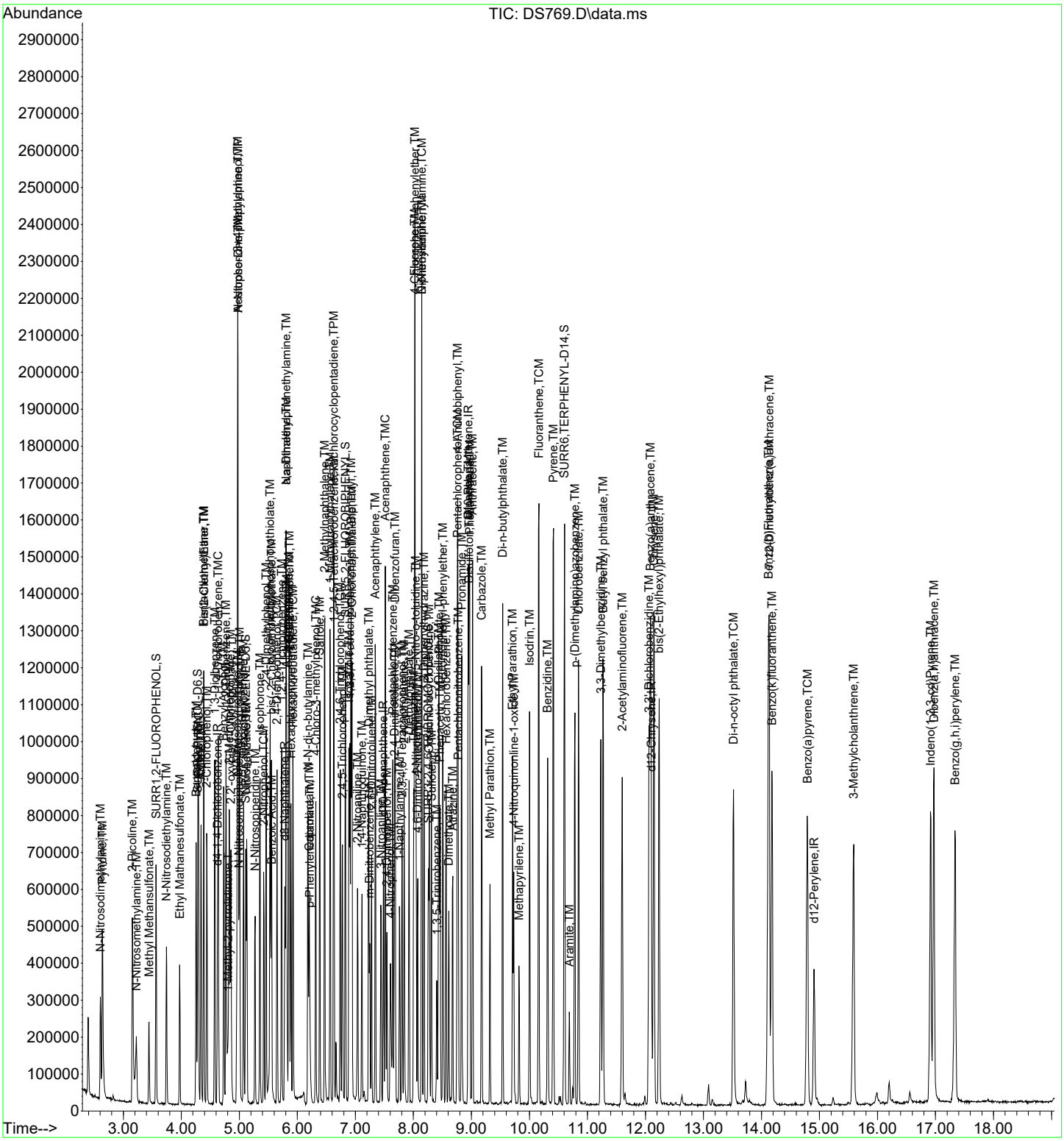
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) Phorate	8.443	121	60425	80.729	ppm	100
100) Phenacetin	8.459	108	177637	82.804	ppm	100
101) 4-Bromophenyl-phenylether	8.507	248	94360	73.924	ppm	100
102) Hexachlorobenzene	8.566	284	109241	75.738	ppm	100
103) Dimethoate	8.609	87	84594	64.983	ppm	100
104) Atrazine	8.678	215	36514	69.409	ppm	100
105) Pentachlorophenol	8.758	266	78767	82.363	ppm	100
106) 4-Aminobiphenyl	8.764	169	316539	80.196	ppm	100
107) Pentachloronitrobenzene	8.774	237	46394	85.735	ppm	100
108) Pronamide	8.833	173	161592	87.674	ppm	100
109) Dinoseb	8.945	211	101927	84.778	ppm	100
110) Disulfoton	8.956	88	190195	80.435	ppm	100
111) Phenanthrene	8.972	178	497273	79.568	ppm	100
112) Anthracene	9.020	178	497822	81.060	ppm	100
113) Carbazole	9.175	167	441842	81.194	ppm	100
114) Di-n-butylphthalate	9.538	149	597816	85.072	ppm	100
115) 4-Nitroquinonline-1-oxide	9.730	190	58920	93.283	ppm	100
116) Fluoranthene	10.163	202	701907	101.737	ppm	100
118) Methyl Parathion	9.319	109	85210	74.007	ppm	100
119) Ethyl Parathion	9.709	97	81374	78.149	ppm	100
120) Methapyrilene	9.821	58	91383	71.254	ppm	100
121) Isodrin	10.003	193	60694	78.310	ppm	100
122) Benzidine	10.313	184	388757	89.149	ppm	100
123) Pyrene	10.414	202	721990	88.228	ppm	100
125) Aramite	10.686	185	46965m	86.336	ppm	
126) p-(Dimethylamino)azobe...	10.783	120	187114	86.907	ppm	100
127) Chlorobenzilate	10.847	139	235969	85.975	ppm	100
128) Butyl benzyl phthalate	11.269	149	334007	85.407	ppm	100
129) 3,3-Dimethylbenzidine	11.231	212	404028	86.801	ppm	100
130) 2-Acetylaminofluorene	11.600	181	256470	88.224	ppm	100
131) 3,3'-Dichlorobenzidine	12.059	252	252988	82.682	ppm	100
132) Benzo(a)anthracene	12.086	228	693440	81.142	ppm	100
133) Chrysene	12.144	228	665244	80.969	ppm	100
134) bis(2-Ethylhexyl)phtha...	12.235	149	443520	83.439	ppm	100
136) Di-n-octyl phthalate	13.517	149	695756	88.825	ppm	100
137) 7,12-Dimethylbenz(a)an...	14.131	256	281972	79.504	ppm	100
138) Benzo(b)Fluoranthene	14.121	252	656913	80.773	ppm	100
139) Benzo(k)fluoranthene	14.179	252	577385	79.015	ppm	100
140) Benzo(a)pyrene	14.794	252	582290	85.052	ppm	100
141) 3-Methylcholanthrene	15.589	268	318177	87.682	ppm	100
142) Indeno(1,2,3-cd)Pyrene	16.914	276	519697	85.811	ppm	100
143) Dibenz(a,h)anthracene	16.973	278	567179	87.865	ppm	100
144) Benzo(g,h,i)perylene	17.336	276	554500	88.951	ppm	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS769.D
Acq On : 2 Jul 2019 8:28 pm
Operator : JMisiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 9 Sample Multiplier: 1

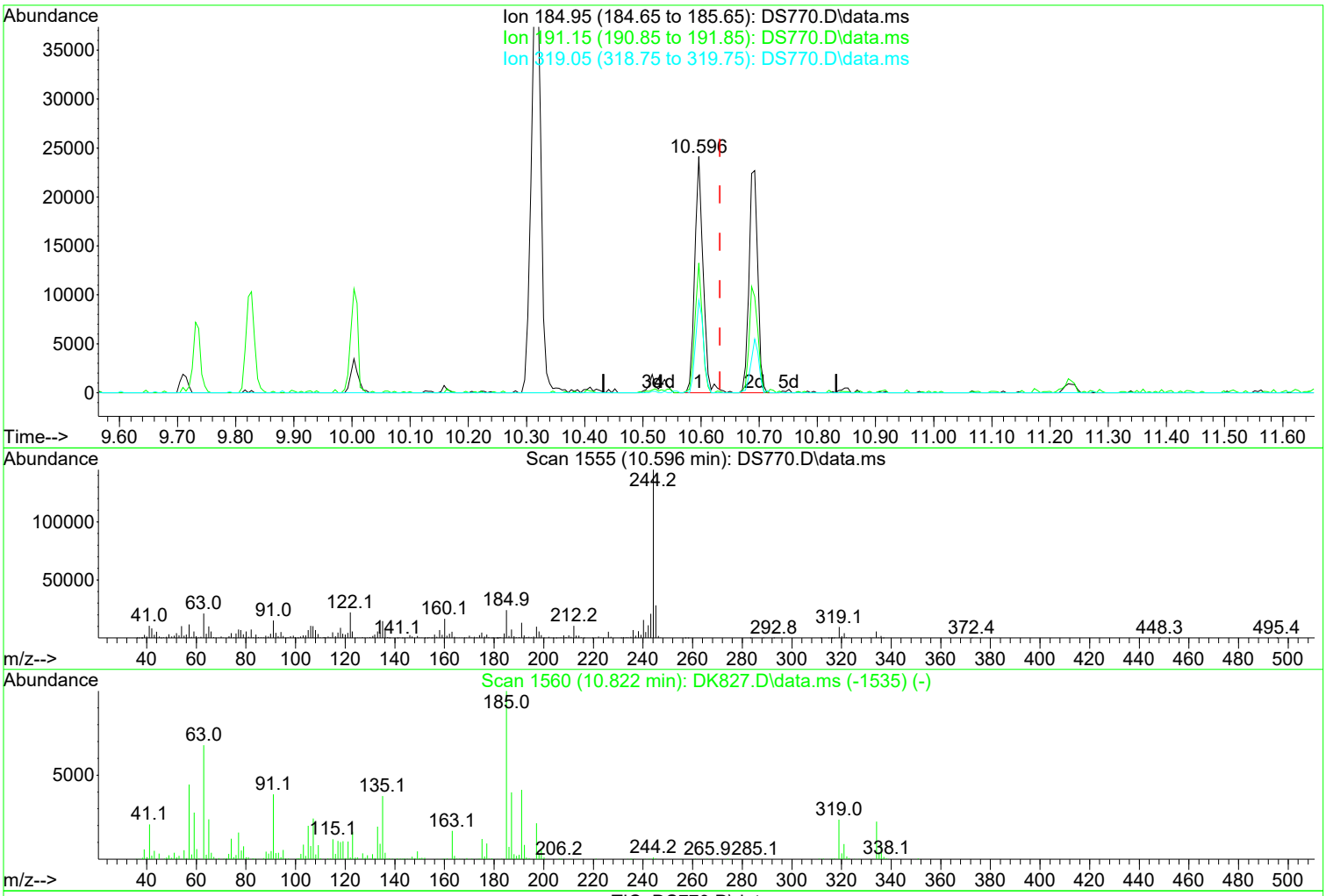
Quant Time: Jul 05 08:56:44 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS770.D
Acq On : 2 Jul 2019 8:57 pm
Operator : JMisiurewicz
Sample : 100 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 05 08:56:49 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration



TIC: DS770.D\data.ms

(125) Aramite (TM)

10.596min (-0.037) 100.24 ppm m

response 48214

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	51.70	54.98
319.05	19.90	39.08
0.00	0.00	0.00

Manual Integration:

After

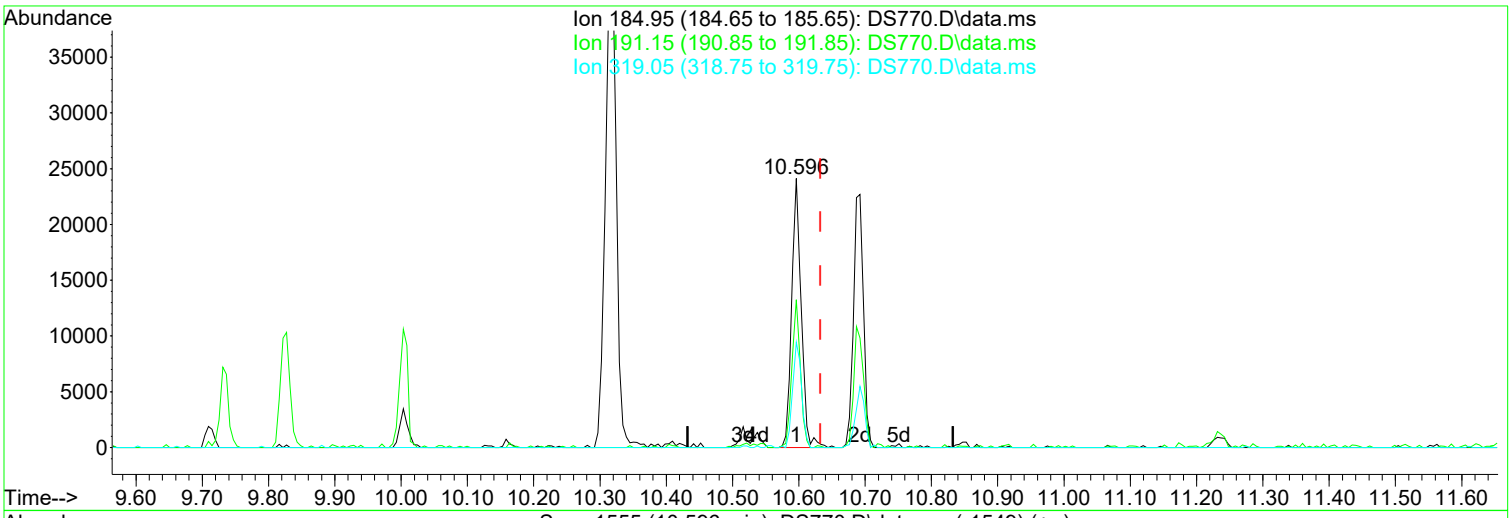
Split Peak.

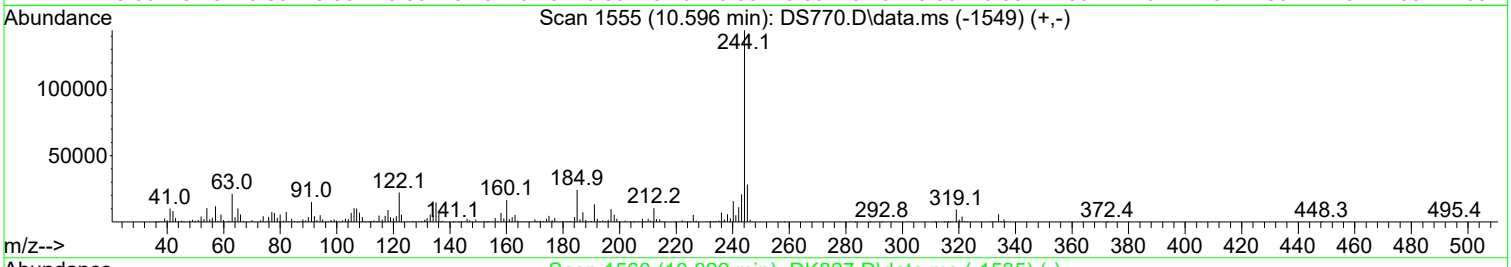
07/05/19

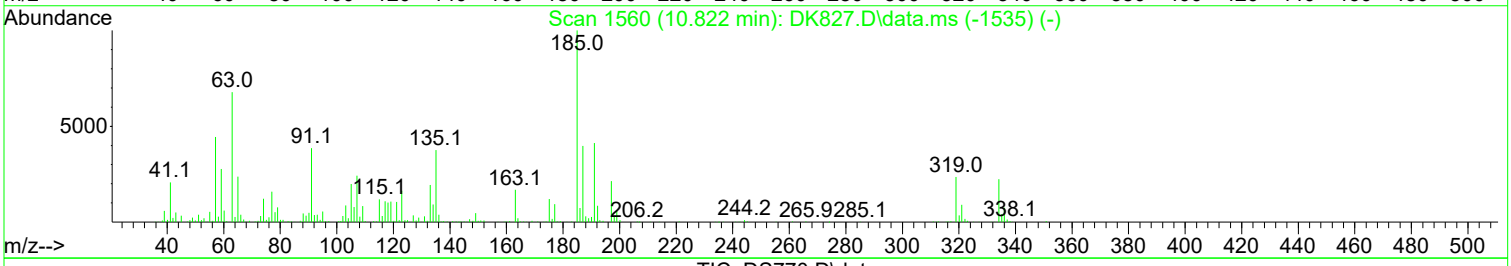
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS770.D
Acq On : 2 Jul 2019 8:57 pm
Operator : JMisiurewicz
Sample : 100 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 05 08:56:49 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration







TIC: DS770.D\data.ms

(125) Aramite (TM)

10.596min (-0.037) 50.58 ppm

response 24326

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	51.70	54.98
319.05	19.90	39.08
0.00	0.00	0.00

Manual Integration:

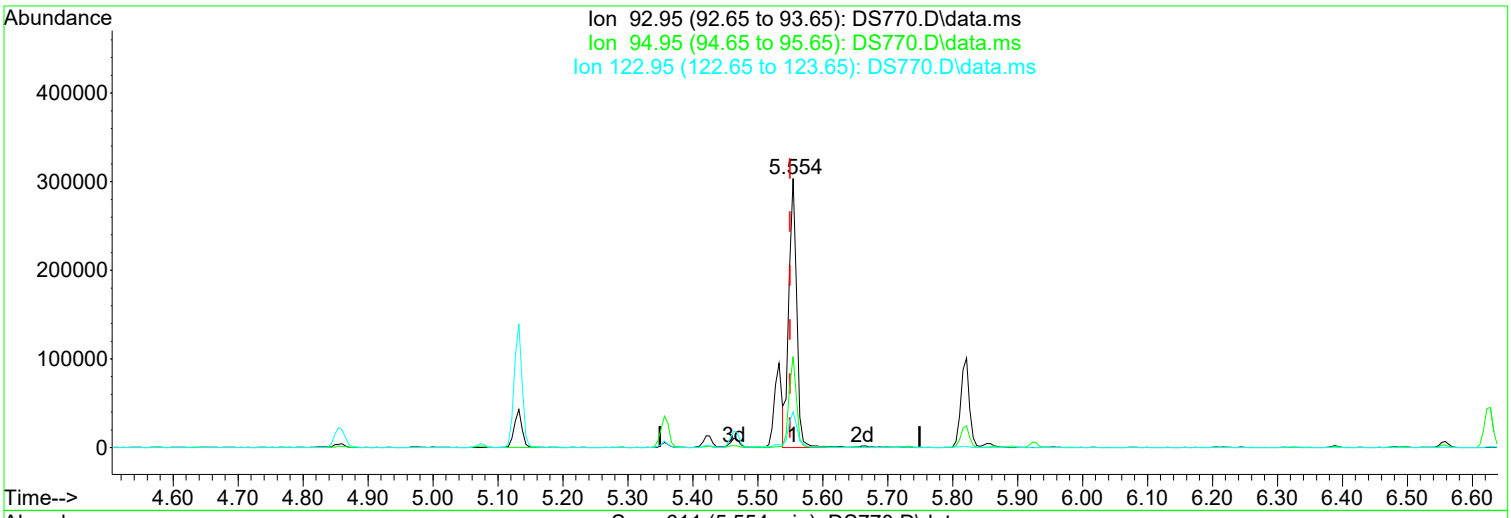
Before

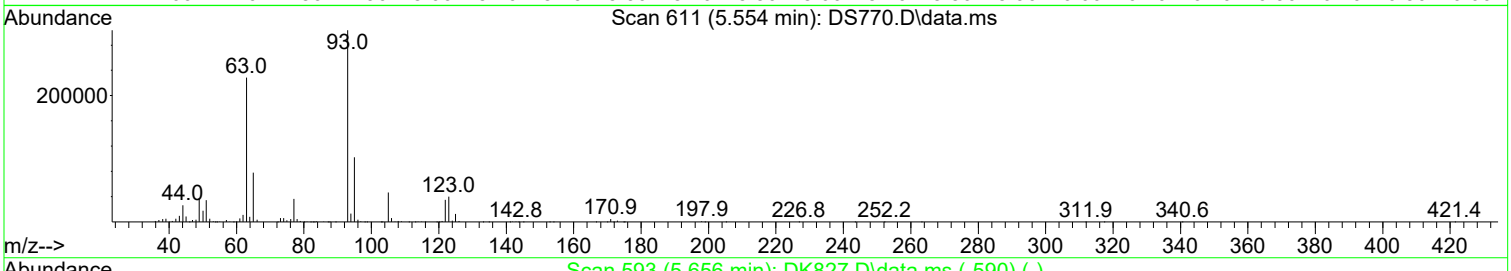
07/05/19

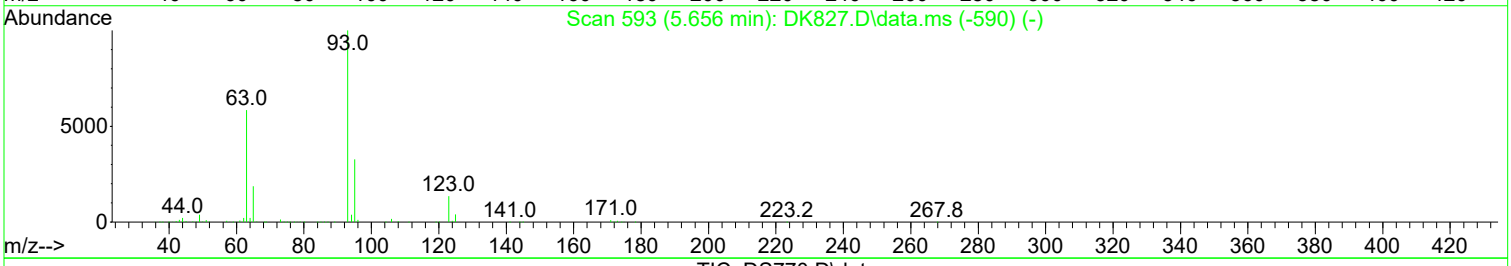
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS770.D
Acq On : 2 Jul 2019 8:57 pm
Operator : JMisiurewicz
Sample : 100 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 05 08:56:49 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration







TIC: DS770.D\data.ms

(40) bis(-2-Chloroethoxy)Methane (TM)

5.554min (+ 0.004) 86.36 ppm m

response 256290

Ion	Exp%	Act%
92.95	100.00	100.00
94.95	31.60	33.73
122.95	13.80	13.25
0.00	0.00	0.00

Manual Integration:

After

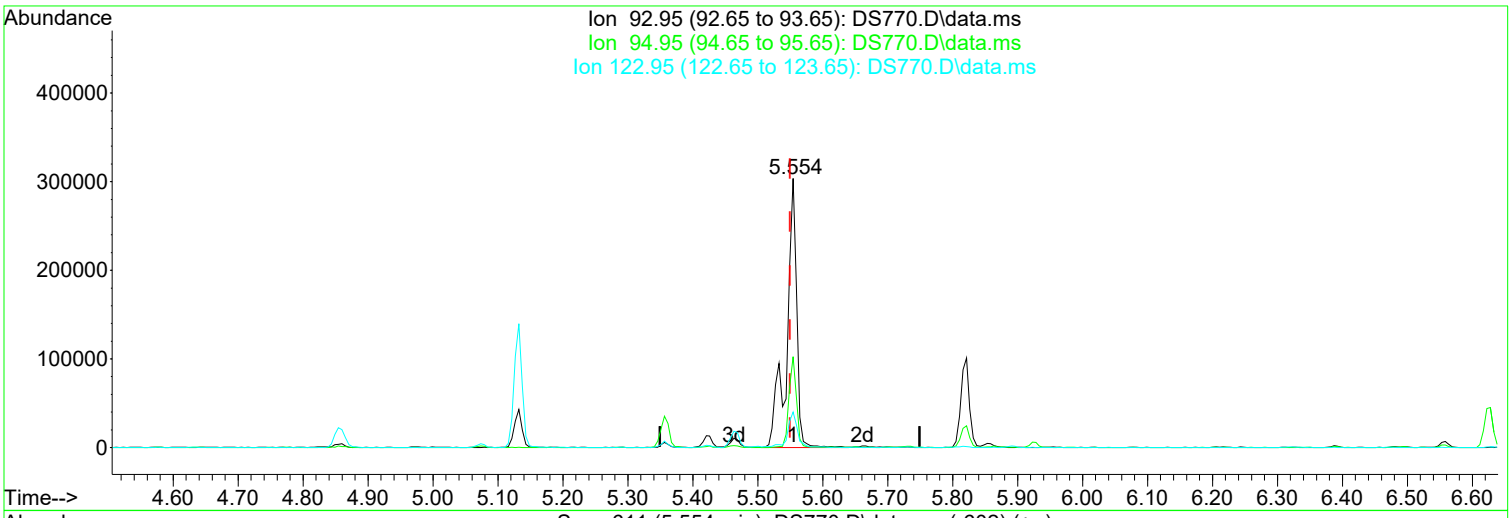
Poor integration.

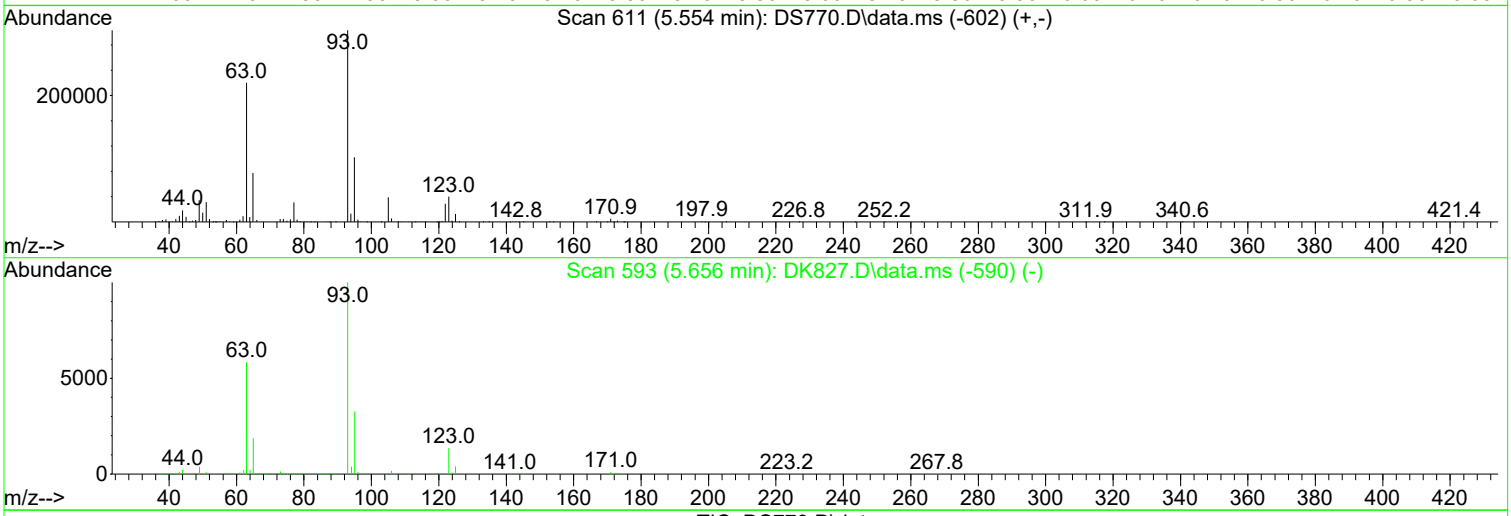
07/05/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS770.D
Acq On : 2 Jul 2019 8:57 pm
Operator : JMisiurewicz
Sample : 100 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 05 08:56:49 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration





TIC: DS770.D\data.ms

(40) bis(-2-Chloroethoxy)Methane (TM)

5.554min (+ 0.004) 111.99 ppm

response 332335

Ion	Exp%	Act%
92.95	100.00	100.00
94.95	31.60	33.69
122.95	13.80	13.14
0.00	0.00	0.00

Manual Integration:

Before

07/05/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS770.D
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Operator : JMisiurewicz
Sample : 100 ppm STD
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Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
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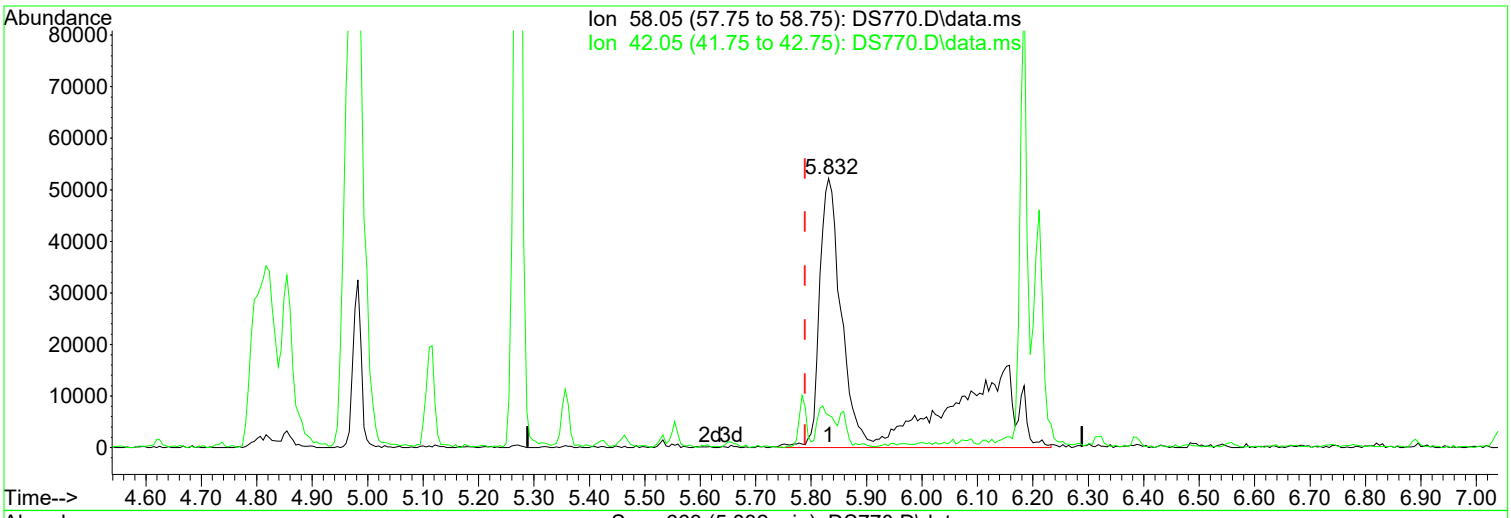
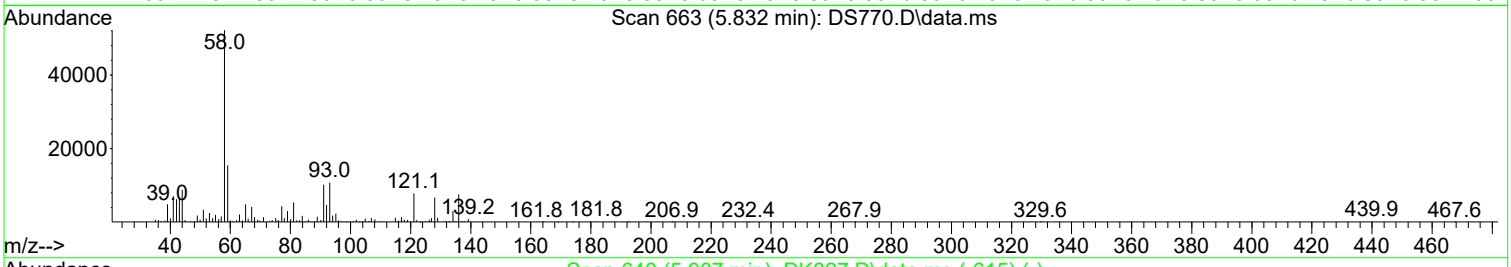
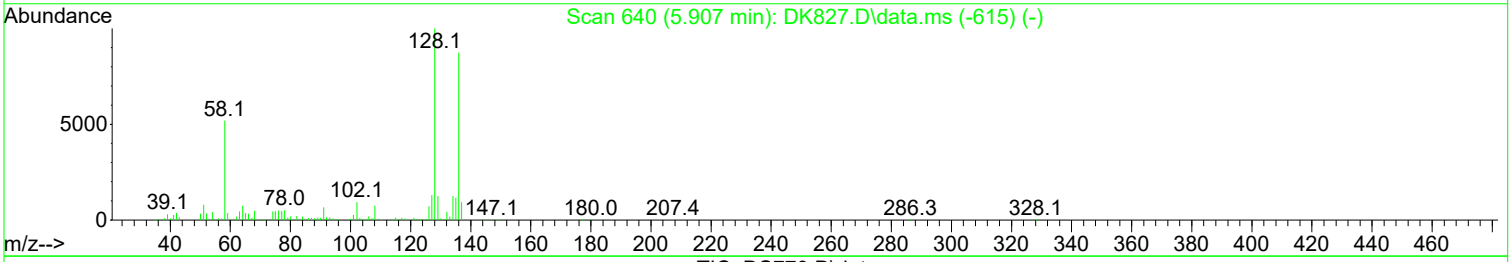






TIC: DS770.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.832min (+ 0.043) 48.57 ppm m

response 270322

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	10.40	12.00
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

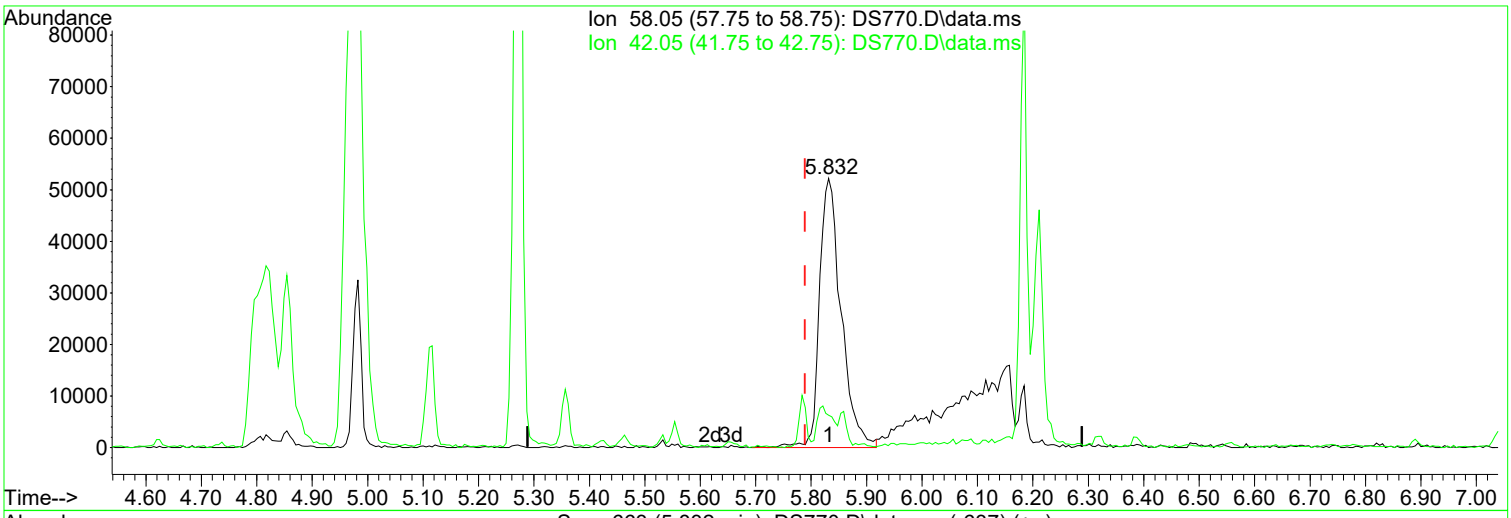
Poor integration.

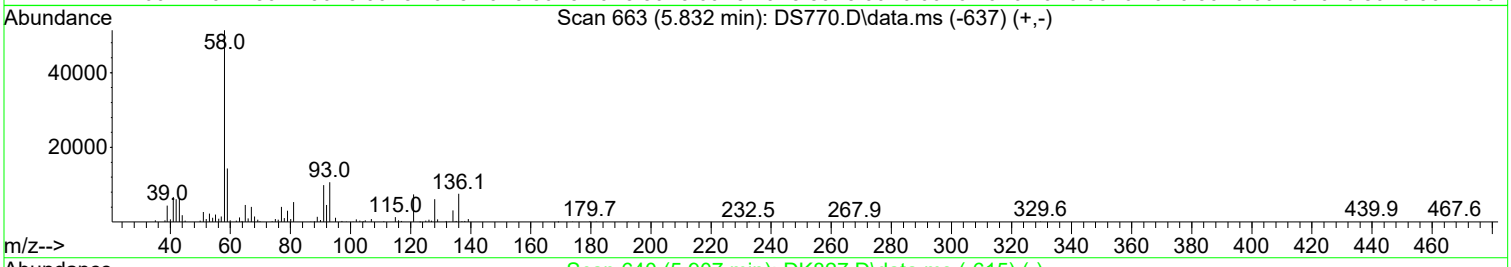
07/05/19

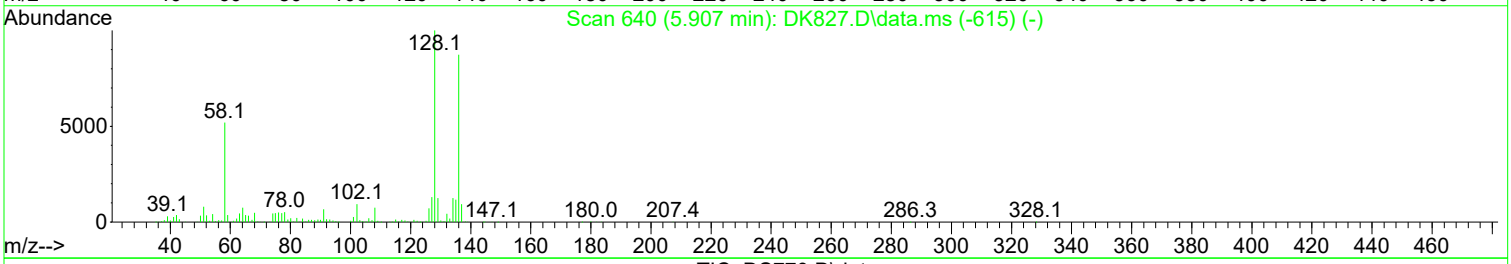
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS770.D
Acq On : 2 Jul 2019 8:57 pm
Operator : JMisiurewicz
Sample : 100 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 05 08:56:49 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration







TIC: DS770.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.832min (+ 0.043) 25.41 ppm

response 141434

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	10.40	11.84
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

07/05/19

Quantitation Report (QT Reviewed)

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Data File : DS770.D
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Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.625	152	63379	40.00	ppm	0.00
33) d8-Naphthalene	5.784	136	241819	40.00	ppm	0.00
57) d10-Acenaphthene	7.482	164	132748	40.00	ppm	0.00
91) d10-Phenanthrene	8.946	188	196877	40.00	ppm	0.00
117) d12-Chrysene	12.102	240	230878	40.00	ppm	0.00
135) d12-Perylene	14.912	264	235371	40.00	ppm	0.00
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.567	112	216550	98.35	ppm	0.00
Spiked Amount 100.000	Range 10 - 70		Recovery = 98.35%#			
12) SURR2,PHENOL-D6	4.288	99	262179	97.03	ppm	0.00
Spiked Amount 100.000	Range 10 - 107		Recovery = 97.03%			
34) SURR4,NITROBENZENE-D5	5.111	82	265358	96.84	ppm	0.00
Spiked Amount 50.000	Range 31 - 110		Recovery = 193.68%#			
63) SURR5,2-FLUOROBIPHENYL	6.831	172	504336	106.81	ppm	0.00
Spiked Amount 50.000	Range 31 - 118		Recovery = 213.62%#			
88) SURR3,2,4,6-TRIBROMOPH...	8.262	330	76710	86.40	ppm	0.00
Spiked Amount 100.000	Range 35 - 141		Recovery = 86.40%			
124) SURR6,TERPHENYL-D14	10.607	244	469393	92.93	ppm	0.00
Spiked Amount 50.000	Range 10 - 165		Recovery = 185.86%#			
Target Compounds						Qvalue
2) Pyridine	2.638	79	235408	96.215	ppm	94
3) N-Nitrosodimethylamine	2.606	74	140726	101.423	ppm	96
4) 2-Picoline	3.156	93	225248	99.442	ppm	98
5) N-Nitrosomethylamine	3.225	42	144944	97.427	ppm	91
6) Methyl Methansulfonate	3.444	80	111653	99.618	ppm	99
8) N-Nitrosodiethylamine	3.749	102	108004	100.388	ppm	87
9) Ethyl Mathanesulfonate	3.973	79	165762	92.972	ppm	99
10) Benzaldehyde	4.256	106	141450	82.269	ppm	96
11) Aniline	4.342	93	334028	102.454	ppm	69
13) Phenol	4.299	94	265625	98.875	ppm	97
14) bis(2-Clethyl)Ether	4.390	93	220488	100.332	ppm	97
15) Pentachloroethane	4.390	117	88965	102.594	ppm	93
16) 2-Chlorophenol	4.443	128	218989	101.447	ppm	97
17) 1,3-Diclbenzene	4.577	146	245547	99.617	ppm	96
18) 1,4-Dichlorobenzene	4.641	146	258225	99.377	ppm	96
19) 1,2-Diclbenzene	4.769	146	247901	101.345	ppm	98
20) Benzyl Alcohol	4.737	79	205740	102.834	ppm	99
21) 1-Methyl-2-pyrrolidinone	4.817	99	138274	110.783	ppm	90
22) 2,2'-oxybis(1-Chloropr...	4.854	45	318504	96.041	ppm	97
23) 2-Methylphenol	4.833	108	198175	100.783	ppm	92
24) 3+4-Methylphenol	4.972	108	236670	107.588	ppm	97
25) Acetophenone	4.977	105	316188	103.899	ppm	98
26) N-Nitroso-Di-n-propyla...	4.983	70	181138	99.255	ppm	87
27) N-Nitrosopyrrolidine	4.967	100	114539	102.488	ppm	88
28) N-Nitrosomorpholine	4.993	56	154295	99.644	ppm	95
29) o-Toluidine	5.009	106	350302	105.867	ppm	96
30) Hexachloroethane	5.073	117	110949	104.978	ppm	99
31) o,o,o-Triethylphosphor...	5.533	198	112811	111.037	ppm	96
32) Alpha-terpinol	5.821	121	75829	101.849	ppm	92
35) Nitrobenzene	5.132	77	255114	95.912	ppm	93
36) N-Nitrosopiperidine	5.271	42	175881	95.208	ppm	94
37) Isophorone	5.356	82	430085	96.776	ppm	99
38) 2-Nitrophenol	5.426	139	122725	97.049	ppm	88

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS770.D
Acq On : 2 Jul 2019 8:57 pm
Operator : JMisiurewicz
Sample : 100 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 05 08:56:49 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 2,4-Dimethylphenol	5.463	107	239354	97.608	ppm	96
40) bis(-2-Chloroethoxy)Me...	5.554	93	256290m	86.361	ppm	
41) Benzoic Acid	5.570	105	175296	106.107	ppm	94
42) 2,4-Dichlorophenol	5.656	162	202094	109.024	ppm	98
43) a,a-Dimethylphenethyla...	5.832	58	270322m	48.568	ppm	
44) 1,2,4-Trichlorobenzene	5.730	180	224327	104.191	ppm	98
45) Naphthalene	5.805	128	731515	104.912	ppm	99
46) 4-Chloroaniline	5.859	127	293385	105.048	ppm	96
47) 2,6-Dichlorophenol	5.864	162	212699	108.776	ppm	98
48) Hexachlorobutadiene	5.928	225	126531	103.174	ppm	96
49) Hexachloropropene	5.891	213	143040	101.471	ppm	97
50) 4-Chloro-3-methylphenol	6.318	107	186427	100.357	ppm	94
51) N-N-di-n-butylamine	6.184	84	150197	81.020	ppm	96
52) Caprolactam	6.211	113	57098	96.631	ppm	97
53) p-Phenylenediamine	6.211	80	69639	62.379	ppm	97
54) Safrole	6.387	162	174106	103.825	ppm	97
55) 2-Methylnaphthalene	6.473	142	493714	105.748	ppm	97
56) 1-Methylnaphthalene	6.569	142	454680	103.121	ppm	98
58) Hexachlorocyclopentadiene	6.628	237	148820	112.871	ppm	90
59) 1,2,4,5-Tetrachloroben...	6.633	216	214198	107.440	ppm	100
60) 1,2,3,4-Tetrachloroben...	6.905	216	177384	97.288	ppm	99
61) 2,4,6-Trichlorophenol	6.740	196	143067	109.224	ppm	98
62) 2,4,5-Trichlorophenol	6.777	196	144496	105.249	ppm	95
64) Isosafrole	6.889	104	83477	93.554	ppm	94
65) 1,1'-Biphenyl	6.927	154	465292	92.600	ppm	98
66) 2-Chloronaphthalene	6.943	162	387391	93.554	ppm	100
67) 2-Nitroaniline	7.039	65	115504	94.810	ppm	96
68) 1,4-Naphthoquinone	7.114	158	109232	86.535	ppm	92
69) m-Dinitrobenzene	7.253	168	72971	101.178	ppm	95
70) Acenaphthylene	7.349	152	668516	97.244	ppm	99
71) Dimethyl phthalate	7.231	163	418154	97.071	ppm	98
72) 2,6-Dinitrotoluene	7.279	165	89291	93.662	ppm	95
73) Acenaphthene	7.520	153	473685	99.383	ppm	96
74) 3-Nitroaniline	7.445	138	110872	102.982	ppm	90
75) 2,4-Dinitrophenol	7.546	184	78361	110.595	ppm	93
76) Dibenzofuran	7.690	168	496772	89.101	ppm	97
77) 2,4-Dinitrotoluene	7.680	165	128777	95.446	ppm	96
78) 4-Nitrophenol	7.610	65	106634	100.202	ppm	90
79) Pentachlorobenzene	7.648	250	162103	90.515	ppm	95
80) 1-Napthylamine	7.765	143	199499	89.108	ppm	98
81) 2-Napthylamine	7.845	143	308711	85.494	ppm	100
82) 2,3,4,6-Tetrachlorophenol	7.808	232	106643	94.502	ppm	98
83) Fluorene	8.027	166	419278	85.539	ppm	99
84) 4-Chlorophenyl-phenyle...	8.027	204	194111	85.276	ppm	100
85) Diethylphthalate	7.925	149	405818	88.732	ppm	97
86) 4-Nitroaniline	8.054	138	111505	94.435	ppm	96
87) 5-Nitro-o-toluidine	8.043	152	123536	95.378	ppm	93
89) Sulfotepp	8.315	322	73084	95.524	ppm	84
90) Octachlorocyclopentene	8.273	307	81677	94.745	ppm	97
92) Thionazin	8.011	107	64242	106.908	ppm	100
93) 4,6-Dinitro-2-methylph...	8.080	198	85150	102.551	ppm	94
94) Diphenylamine	8.144	169	612650	194.989	ppm	96
95) 1,2 Diphenylhydrazine	8.187	77	412897	95.756	ppm	99
96) N-Nitrosodiphenylamine	8.144	169	612671	194.993	ppm	96
97) 1,3,5-Trinirobenzene	8.412	74	79813	112.841	ppm	94
98) Diallate	8.433	86	128518	94.140	ppm	91

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Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
99)	Phorate	8.444	121	71974	100.267	ppm		93
100)	Phenacetin	8.465	108	216772	105.364	ppm		95
101)	4-Bromophenyl-phenylether	8.508	248	116876	95.476	ppm		95
102)	Hexachlorobenzene	8.566	284	137939	99.722	ppm		96
103)	Dimethoate	8.614	87	101046	80.938	ppm		92
104)	Atrazine	8.679	215	44115	87.441	ppm	#	87
105)	Pentachlorophenol	8.759	266	97019	105.783	ppm		97
106)	4-Aminobiphenyl	8.764	169	388670	102.678	ppm		100
107)	Pentachloronitrobenzene	8.775	237	57296	110.406	ppm		93
108)	Pronamide	8.833	173	198005	112.022	ppm		98
109)	Dinoseb	8.946	211	122829	106.530	ppm		94
110)	Disulfoton	8.962	88	226641	99.944	ppm		95
111)	Phenanthrene	8.972	178	612731	102.232	ppm		98
112)	Anthracene	9.020	178	602300	102.263	ppm		98
113)	Carbazole	9.181	167	540680	103.602	ppm		98
114)	Di-n-butylphthalate	9.538	149	719295	106.733	ppm		99
115)	4-Nitroquinonline-1-oxide	9.731	190	61448	101.442	ppm		91
116)	Fluoranthene	10.163	202	680408	102.835	ppm		98
118)	Methyl Parathion	9.319	109	98653	96.906	ppm		96
119)	Ethyl Parathion	9.709	97	95482	103.710	ppm		99
120)	Methapyrilene	9.822	58	105041	92.632	ppm		93
121)	Isodrin	10.003	193	64615	94.289	ppm		89
122)	Benzidine	10.318	184	365688	94.844	ppm		98
123)	Pyrene	10.414	202	700715	96.845	ppm		99
125)	Aramite	10.596	185	48214m	100.242	ppm		
126)	p-(Dimethylamino)azobe...	10.783	120	188112	98.815	ppm		91
127)	Chlorobenzilate	10.847	139	242723	100.021	ppm		91
128)	Butyl benzyl phthalate	11.269	149	337878	97.714	ppm		93
129)	3,3-Dimethylbenzidine	11.232	212	398234	96.763	ppm		99
130)	2-Acetylaminofluorene	11.605	181	292941	113.970	ppm		99
131)	3,3'-Dichlorobenzidine	12.065	252	291061	107.585	ppm		97
132)	Benzo(a)anthracene	12.092	228	778682	103.052	ppm		98
133)	Chrysene	12.150	228	747045	102.836	ppm		99
134)	bis(2-Ethylhexyl)phtha...	12.236	149	490025	104.263	ppm		99
136)	Di-n-octyl phthalate	13.523	149	856123	113.121	ppm		99
137)	7,12-Dimethylbenz(a)an...	14.137	256	364230	106.290	ppm		98
138)	Benzo(b)Fluoranthene	14.132	252	851633	108.377	ppm		98
139)	Benzo(k)fluoranthene	14.191	252	736857	104.365	ppm		98
140)	Benzo(a)pyrene	14.794	252	720069	108.856	ppm		99
141)	3-Methylcholanthrene	15.595	268	392972	112.081	ppm		98
142)	Indeno(1,2,3-cd)Pyrene	16.920	276	660495	112.874	ppm		97
143)	Dibenz(a,h)anthracene	16.979	278	698784	112.039	ppm		96
144)	Benzo(g,h,i)perylene	17.342	276	677915	112.553	ppm		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

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Data File : DS770.D
Acq On : 2 Jul 2019 8:57 pm
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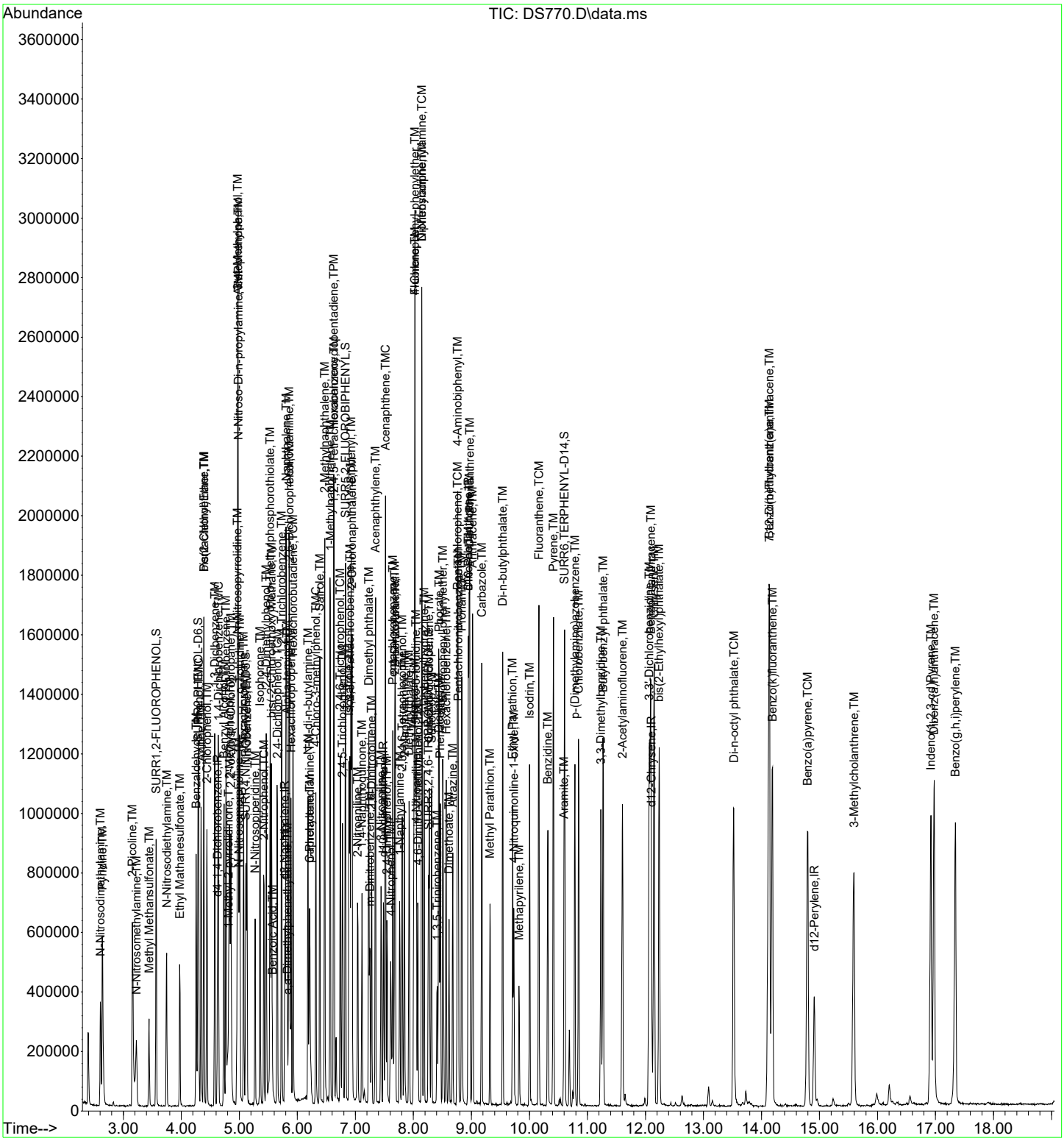
Sample : 100 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 05 08:56:49 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS771.D
Acq On : 2 Jul 2019 9:26 pm
Operator : JMisiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 05 08:56:54 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
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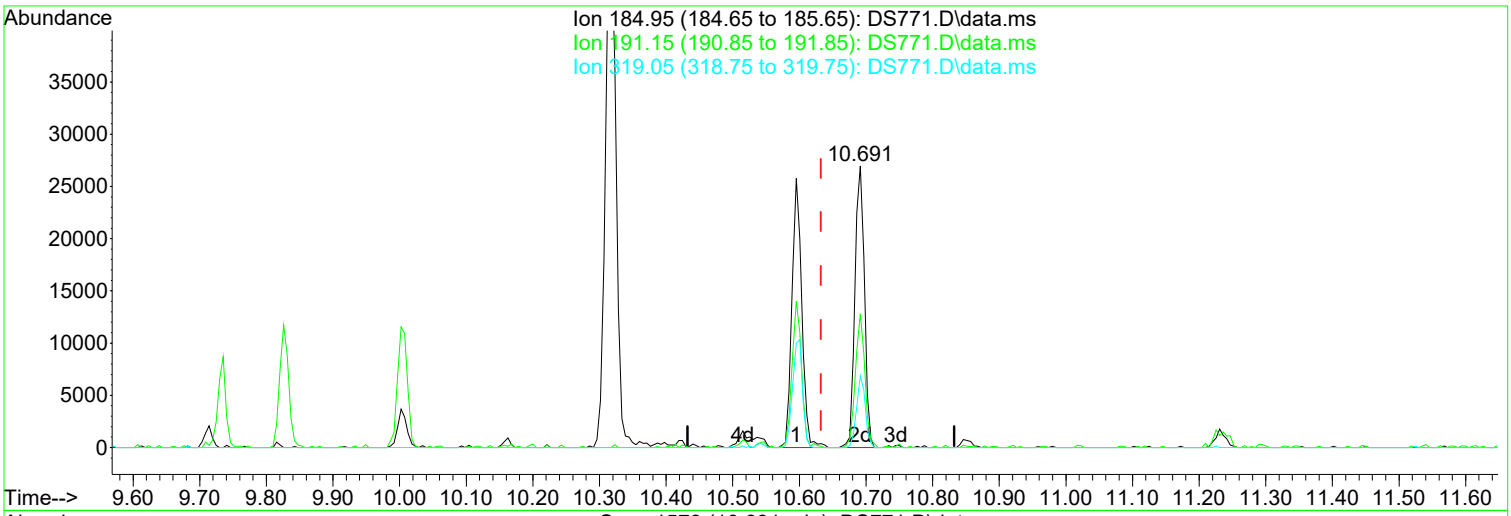

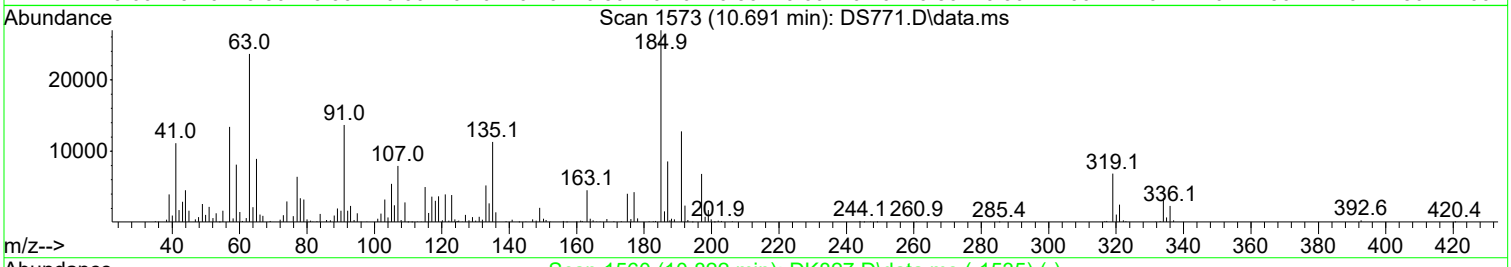

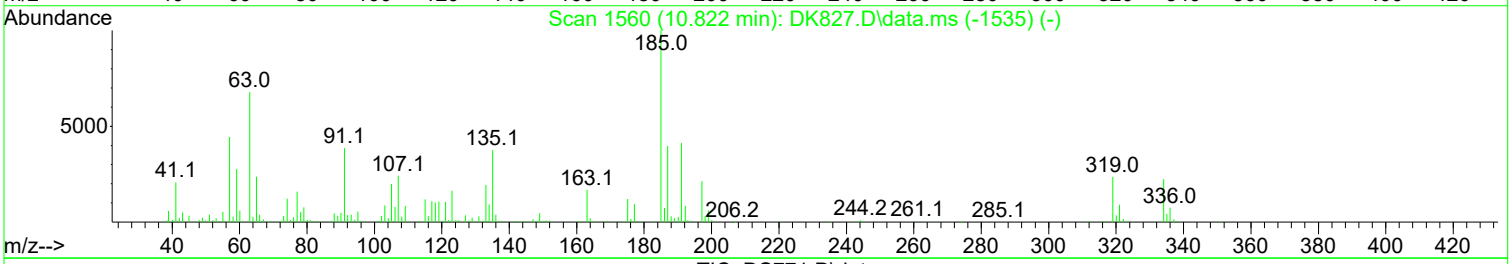

TIC: DS771.D\data.ms

(125) Aramite (TM)

10.691min (+ 0.059) 107.04 ppm m

response 53405

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	51.70	47.50
319.05	19.90	25.42
0.00	0.00	0.00

Manual Integration:

After

Split Peak.

07/05/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS771.D
Acq On : 2 Jul 2019 9:26 pm
Operator : JMisiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 05 08:56:54 2019
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Quant Title : 8270 BNA ANALYSIS
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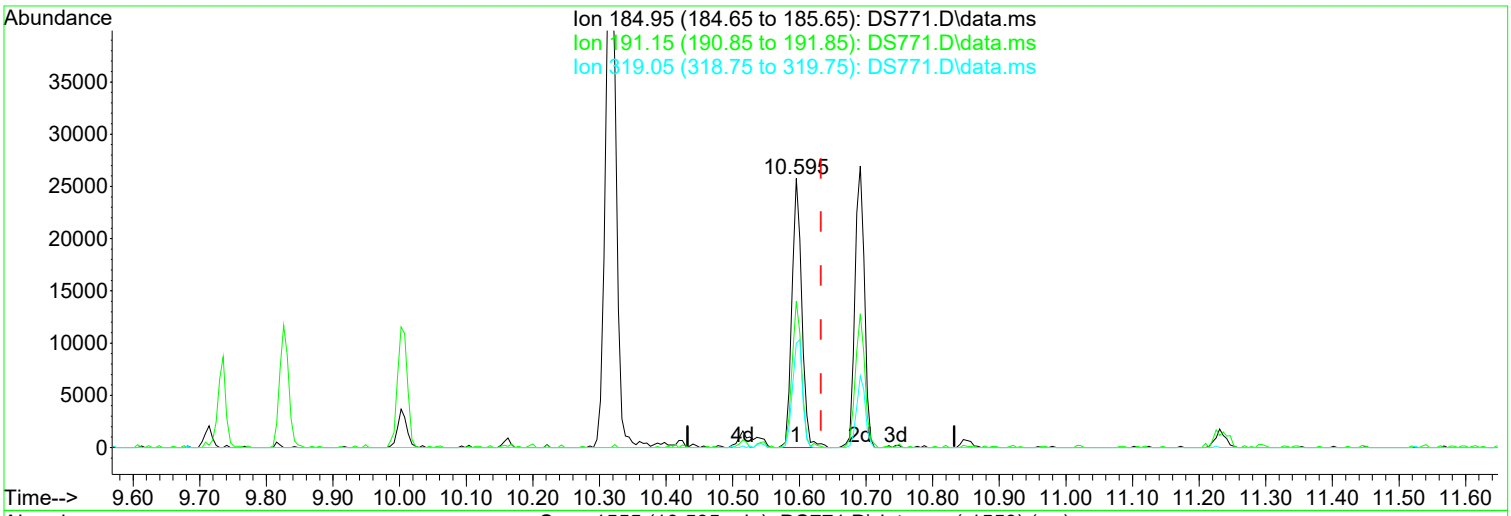

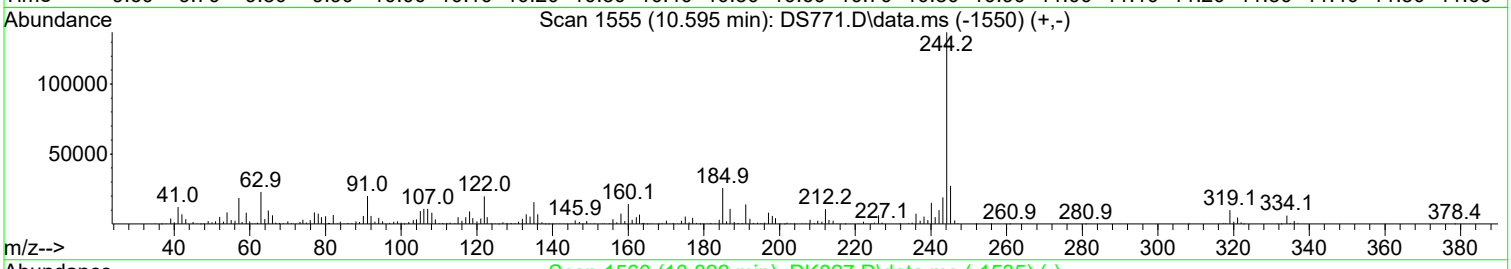

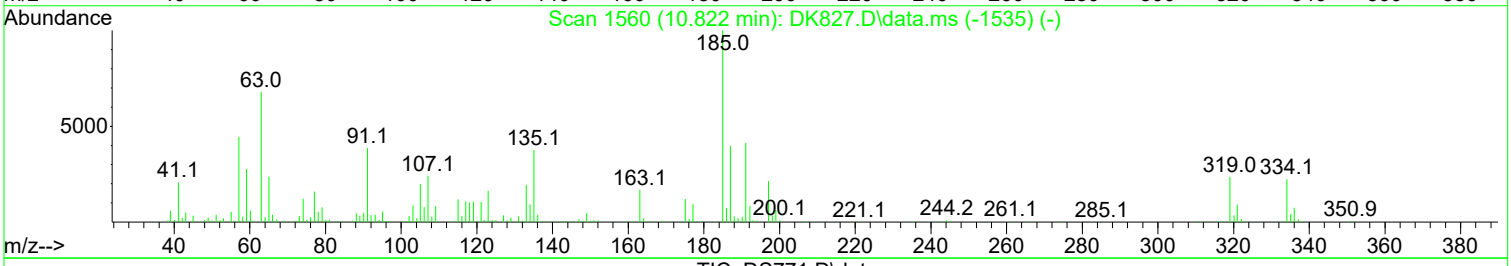

TIC: DS771.D\data.ms

(125) Aramite (TM)

10.595min (-0.037) 53.16 ppm

response 26524

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	51.70	54.40
319.05	19.90	38.83
0.00	0.00	0.00

Manual Integration:

Before

07/05/19

Quantitation Report (Qedit)

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Data File : DS771.D
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Quant Title : 8270 BNA ANALYSIS
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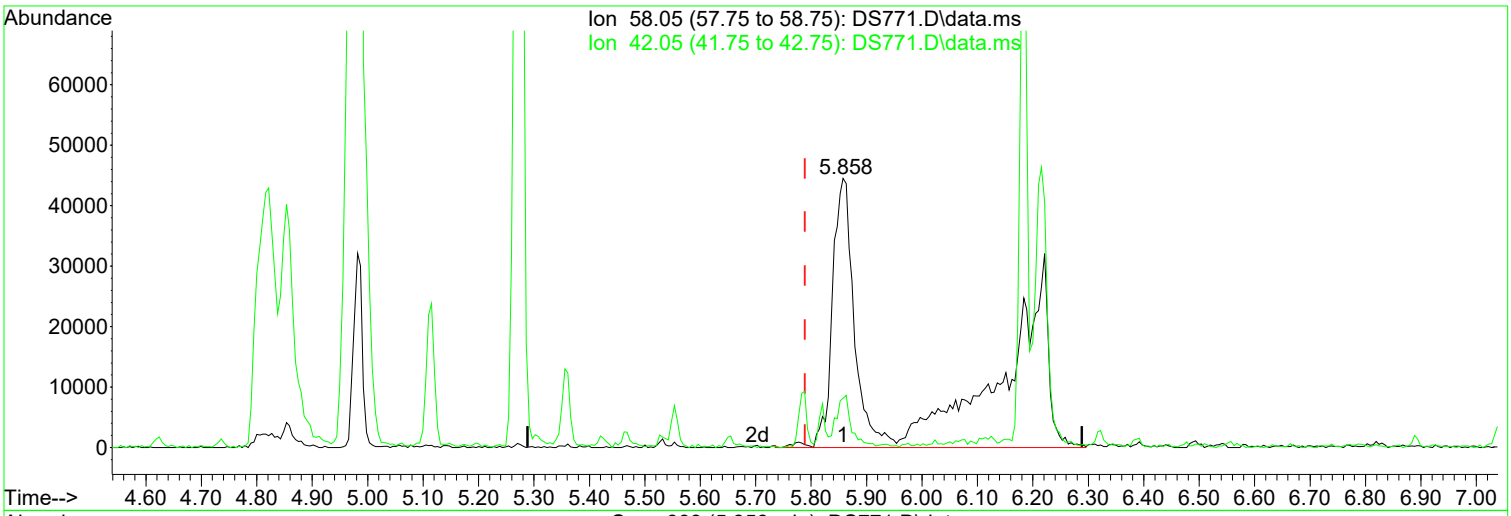

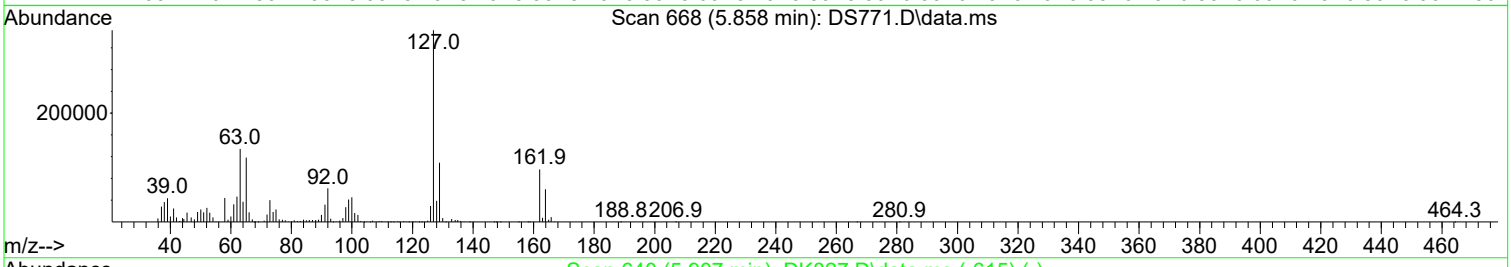

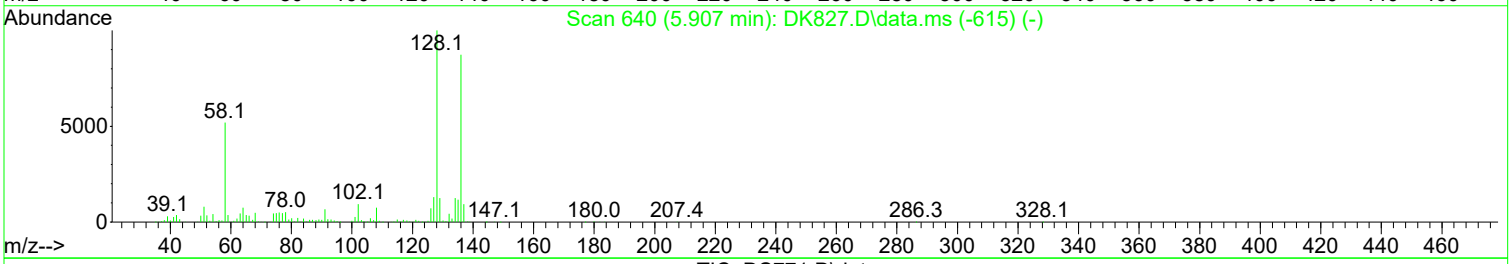

TIC: DS771.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.858min (+ 0.069) 60.54 ppm m

response 299305

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	10.40	18.30
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

07/05/19

Quantitation Report (Qedit)

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QLast Update : Wed Jul 03 10:09:47 2019
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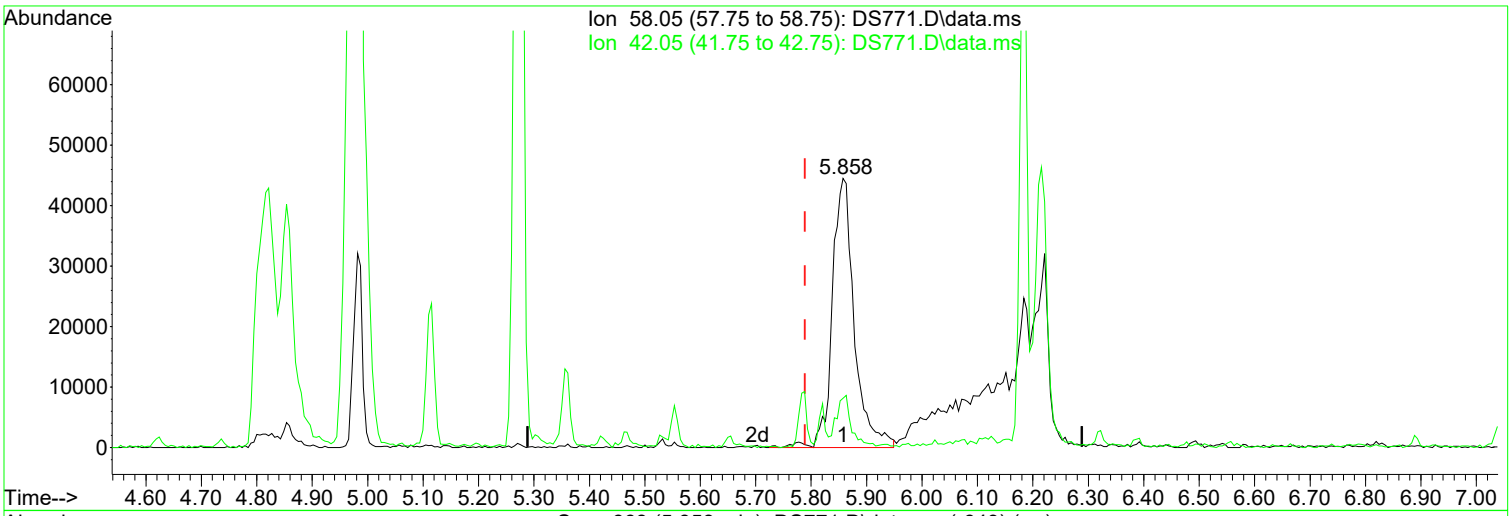

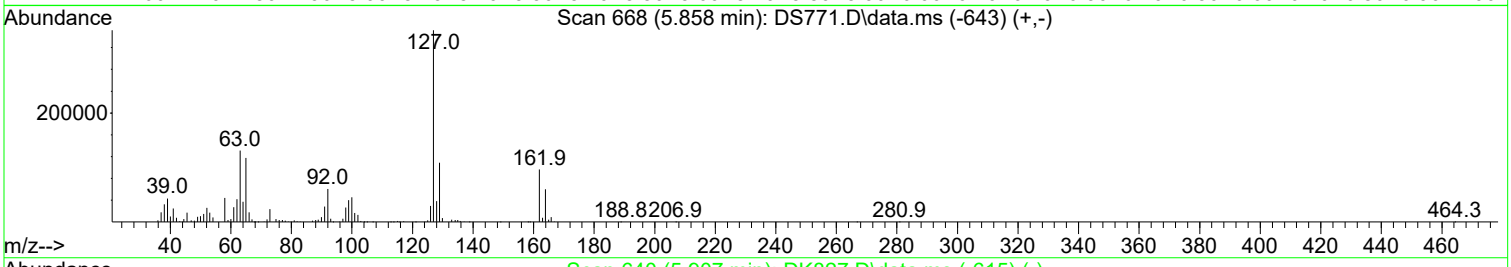

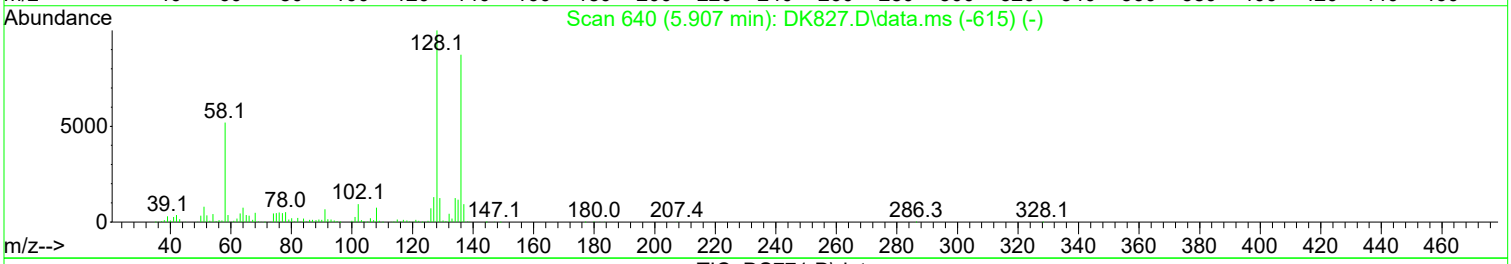

TIC: DS771.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.858min (+ 0.069) 24.87 ppm

response 122954

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	10.40	18.07
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

07/05/19

Quantitation Report (QT Reviewed)

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.624	152	58985	40.00	ppm	0.00
33) d8-Naphthalene	5.783	136	214795	40.00	ppm	0.00
57) d10-Acenaphthene	7.487	164	113359	40.00	ppm	0.00
91) d10-Phenanthrene	8.945	188	199631	40.00	ppm	0.00
117) d12-Chrysene	12.107	240	239499	40.00	ppm	0.00
135) d12-Perylene	14.911	264	239370	40.00	ppm	0.00
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.566	112	236437	115.38	ppm	0.00
Spiked Amount 100.000	Range 10 - 70		Recovery = 115.38%#			
12) SURR2,PHENOL-D6	4.287	99	300704	119.57	ppm	0.00
Spiked Amount 100.000	Range 10 - 107		Recovery = 119.57%#			
34) SURR4,NITROBENZENE-D5	5.115	82	286301	117.63	ppm	0.00
Spiked Amount 50.000	Range 31 - 110		Recovery = 235.26%#			
63) SURR5,2-FLUOROBIPHENYL	6.830	172	509259	126.30	ppm	0.00
Spiked Amount 50.000	Range 31 - 118		Recovery = 252.60%#			
88) SURR3,2,4,6-TRIBROMOPH...	8.261	330	89955	118.65	ppm	0.00
Spiked Amount 100.000	Range 35 - 141		Recovery = 118.65%			
124) SURR6,TERPHENYL-D14	10.606	244	559232	106.73	ppm	0.00
Spiked Amount 50.000	Range 10 - 165		Recovery = 213.46%#			
Target Compounds						Qvalue
2) Pyridine	2.637	79	275029	120.782	ppm	94
3) N-Nitrosodimethylamine	2.605	74	161587	125.133	ppm	95
4) 2-Picoline	3.155	93	261757	124.169	ppm	98
5) N-Nitrosomethylamine	3.225	42	166095	119.961	ppm	91
6) Methyl Methansulfonate	3.444	80	125051	119.883	ppm	98
8) N-Nitrosodiethylamine	3.748	102	119680	119.527	ppm	90
9) Ethyl Mathanesulfonate	3.978	79	187461	112.975	ppm	98
10) Benzaldehyde	4.255	106	123563	77.219	ppm	93
11) Aniline	4.341	93	363138	119.680	ppm	77
13) Phenol	4.298	94	290890	116.345	ppm	98
14) bis(2-Clethyl)Ether	4.389	93	237480	116.115	ppm	94
15) Pentachloroethane	4.389	117	94152	116.664	ppm	99
16) 2-Chlorophenol	4.442	128	249529	124.206	ppm	97
17) 1,3-Diclbenzene	4.576	146	276645	120.594	ppm	97
18) 1,4-Dichlorobenzene	4.640	146	282283	116.728	ppm	99
19) 1,2-Diclbenzene	4.768	146	269367	118.324	ppm	96
20) Benzyl Alcohol	4.736	79	230813	123.960	ppm	97
21) 1-Methyl-2-pyrrolidinone	4.822	99	148641	127.960	ppm	94
22) 2,2'-oxybis(1-Chloropr...	4.854	45	354446	114.840	ppm	95
23) 2-Methylphenol	4.832	108	218673	119.492	ppm	98
24) 3+4-Methylphenol	4.976	108	240168	117.311	ppm	95
25) Acetophenone	4.976	105	325314	114.861	ppm	92
26) N-Nitroso-Di-n-propyla...	4.982	70	191690	112.861	ppm	96
27) N-Nitrosopyrrolidine	4.971	100	126359	121.487	ppm	69
28) N-Nitrosomorpholine	4.998	56	171006	118.663	ppm	98
29) o-Toluidine	5.008	106	367008	119.178	ppm	88
30) Hexachloroethane	5.073	117	118830	120.810	ppm	95
31) o,o,o-Triethylphosphor...	5.532	198	115328	121.971	ppm	91
32) Alpha-terpinol	5.820	121	82508	119.076	ppm	87
35) Nitrobenzene	5.131	77	274796	116.310	ppm	97
36) N-Nitrosopiperidine	5.276	42	203835	124.222	ppm	98
37) Isophorone	5.361	82	466588	118.199	ppm	99
38) 2-Nitrophenol	5.425	139	135426	120.566	ppm	90

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS771.D
Acq On : 2 Jul 2019 9:26 pm
Operator : JMisiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 05 08:56:54 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 2,4-Dimethylphenol	5.468	107	269025	123.510	ppm	95
40) bis(-2-Chloroethoxy)Me...	5.553	93	273291	103.675	ppm	96
41) Benzoic Acid	5.575	105	188645	128.554	ppm	82
42) 2,4-Dichlorophenol	5.655	162	208632	126.712	ppm	97
43) a,a-Dimethylphenethyla...	5.858	58	299305m	60.541	ppm	
44) 1,2,4-Trichlorobenzene	5.730	180	228455	119.458	ppm	97
45) Naphthalene	5.804	128	732453	118.263	ppm	99
46) 4-Chloroaniline	5.858	127	296453	119.501	ppm	98
47) 2,6-Dichlorophenol	5.868	162	208510	120.050	ppm	96
48) Hexachlorobutadiene	5.927	225	136537	125.341	ppm	100
49) Hexachloropropene	5.890	213	162106	129.464	ppm	95
50) 4-Chloro-3-methylphenol	6.322	107	198468	120.280	ppm	98
51) N-N-di-n-butylamine	6.184	84	165012	100.210	ppm	93
52) Caprolactam	6.216	113	66961	127.580	ppm	97
53) p-Phenylenediamine	6.210	80	72302	72.913	ppm	89
54) Safrole	6.386	162	177874	119.417	ppm	97
55) 2-Methylnaphthalene	6.472	142	490807	118.351	ppm	100
56) 1-Methylnaphthalene	6.568	142	478830	122.262	ppm	96
58) Hexachlorocyclopentadiene	6.627	237	147701	131.183	ppm	99
59) 1,2,4,5-Tetrachloroben...	6.632	216	216751	127.316	ppm	97
60) 1,2,3,4-Tetrachloroben...	6.910	216	205527	132.004	ppm	98
61) 2,4,6-Trichlorophenol	6.744	196	141969	126.924	ppm	97
62) 2,4,5-Trichlorophenol	6.776	196	145077	123.746	ppm	96
64) Isosafrole	6.889	104	93961	123.314	ppm	90
65) 1,1'-Biphenyl	6.926	154	534509	124.570	ppm	98
66) 2-Chloronaphthalene	6.942	162	433589	122.621	ppm	98
67) 2-Nitroaniline	7.043	65	130806	125.735	ppm	92
68) 1,4-Naphthoquinone	7.113	158	119433	110.799	ppm	85
69) m-Dinitrobenzene	7.252	168	81151	131.766	ppm	90
70) Acenaphthylene	7.348	152	730413	124.420	ppm	99
71) Dimethyl phthalate	7.230	163	440935	119.867	ppm	100
72) 2,6-Dinitrotoluene	7.284	165	100400	123.327	ppm	87
73) Acenaphthene	7.519	153	478274	117.509	ppm	98
74) 3-Nitroaniline	7.449	138	114272	124.294	ppm	95
75) 2,4-Dinitrophenol	7.551	184	77081	127.396	ppm	98
76) Dibenzofuran	7.690	168	562801	118.210	ppm	94
77) 2,4-Dinitrotoluene	7.679	165	146702	127.329	ppm	94
78) 4-Nitrophenol	7.610	65	126192	138.862	ppm	98
79) Pentachlorobenzene	7.647	250	183910	120.256	ppm	95
80) 1-Napthylamine	7.764	143	230408	120.516	ppm	97
81) 2-Napthylamine	7.845	143	355813	115.392	ppm	98
82) 2,3,4,6-Tetrachlorophenol	7.807	232	126414	131.183	ppm	96
83) Fluorene	8.026	166	487041	116.358	ppm	100
84) 4-Chlorophenyl-phenyle...	8.026	204	225043	115.775	ppm	100
85) Diethylphthalate	7.930	149	468745	120.021	ppm	97
86) 4-Nitroaniline	8.053	138	129538	128.471	ppm	93
87) 5-Nitro-o-toluidine	8.042	152	138565	125.279	ppm	93
89) Sulfotepp	8.315	322	84451	129.261	ppm	82
90) Octachlorocyclopentene	8.277	307	92206	125.253	ppm	93
92) Thionazin	8.010	107	72128	118.376	ppm	95
93) 4,6-Dinitro-2-methylph...	8.080	198	97163	115.404	ppm	97
94) Diphenylamine	8.149	169	714559	224.287	ppm	99
95) 1,2 Diphenylhydrazine	8.186	77	475570	108.769	ppm	97
96) N-Nitrosodiphenylamine	8.149	169	714559	224.283	ppm	99
97) 1,3,5-Trinirobenzene	8.411	74	93958	131.006	ppm	92
98) Diallate	8.437	86	149053	107.676	ppm	79

Data Path : I:\ACQUDATA\5973A\DATA\070219\
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Misc : Initial Calibration 8270D/625
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 05 08:56:54 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration

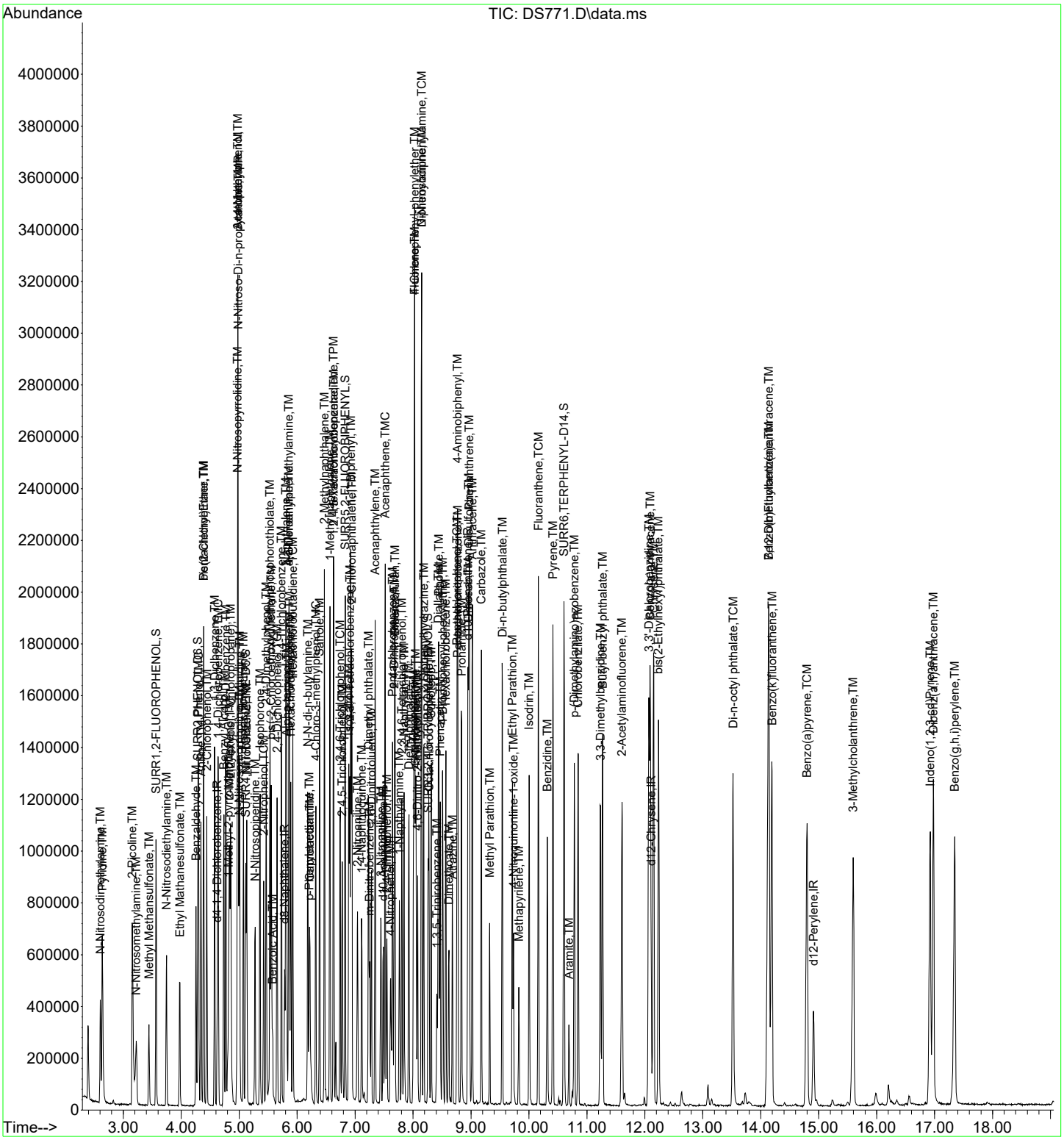
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99)	Phorate	8.443	121	85916	118.039	ppm	91
100)	Phenacetin	8.469	108	246549	118.184	ppm	94
101)	4-Bromophenyl-phenylether	8.512	248	134015	107.967	ppm	93
102)	Hexachlorobenzene	8.566	284	153836	109.680	ppm	91
103)	Dimethoate	8.619	87	104776	82.768	ppm	94
104)	Atrazine	8.683	215	49927	97.596	ppm	98
105)	Pentachlorophenol	8.758	266	112333	120.791	ppm	98
106)	4-Aminobiphenyl	8.769	169	444293	115.753	ppm	99
107)	Pentachloronitrobenzene	8.774	237	66208	125.818	ppm	96
108)	Pronamide	8.838	173	230243	128.463	ppm	99
109)	Dinoseb	8.950	211	141710	121.210	ppm	97
110)	Disulfoton	8.961	88	257188	111.850	ppm	97
111)	Phenanthrene	8.972	178	709771	116.789	ppm	99
112)	Anthracene	9.025	178	692383	115.936	ppm	98
113)	Carbazole	9.180	167	622090	117.557	ppm	98
114)	Di-n-butylphthalate	9.543	149	834169	122.071	ppm	98
115)	4-Nitroquinonline-1-oxide	9.735	190	66998	109.079	ppm	99
116)	Fluoranthene	10.163	202	805377	120.043	ppm	97
118)	Methyl Parathion	9.324	109	106553	100.899	ppm	93
119)	Ethyl Parathion	9.714	97	112721	118.027	ppm	99
120)	Methapyrilene	9.826	58	120047	102.055	ppm	90
121)	Isodrin	10.002	193	75511	106.223	ppm	90
122)	Benzidine	10.318	184	400608	100.160	ppm	99
123)	Pyrene	10.414	202	830312	110.625	ppm	97
125)	Aramite	10.691	185	53405m	107.038	ppm	
126)	p-(Dimethylamino)azobe...	10.782	120	221633	112.233	ppm	90
127)	Chlorobenzilate	10.846	139	288116	114.452	ppm	91
128)	Butyl benzyl phthalate	11.274	149	415167	115.744	ppm	98
129)	3,3-Dimethylbenzidine	11.236	212	481804	112.855	ppm	98
130)	2-Acetylaminofluorene	11.605	181	366039	137.283	ppm	99
131)	3,3'-Dichlorobenzidine	12.069	252	353002	125.784	ppm	99
132)	Benzo(a)anthracene	12.091	228	944636	120.515	ppm	100
133)	Chrysene	12.155	228	906742	120.327	ppm	98
134)	bis(2-Ethylhexyl)phtha...	12.235	149	597153	122.484	ppm	96
136)	Di-n-octyl phthalate	13.522	149	1027044	133.438	ppm	99
137)	7,12-Dimethylbenz(a)an...	14.136	256	431574	123.838	ppm	96
138)	Benzo(b)Fluoranthene	14.136	252	1008466	126.192	ppm	96
139)	Benzo(k)fluoranthene	14.195	252	853952	118.929	ppm	98
140)	Benzo(a)pyrene	14.799	252	855838	127.219	ppm	99
141)	3-Methylcholanthrene	15.594	268	454665	127.510	ppm	97
142)	Indeno(1,2,3-cd)Pyrene	16.924	276	778561	130.828	ppm	98
143)	Dibenz(a,h)anthracene	16.978	278	815776	128.612	ppm	97
144)	Benzo(g,h,i)perylene	17.346	276	791833	129.270	ppm	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS771.D
Acq On : 2 Jul 2019 9:26 pm
Operator : JMisiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 11 Sample Multiplier: 1

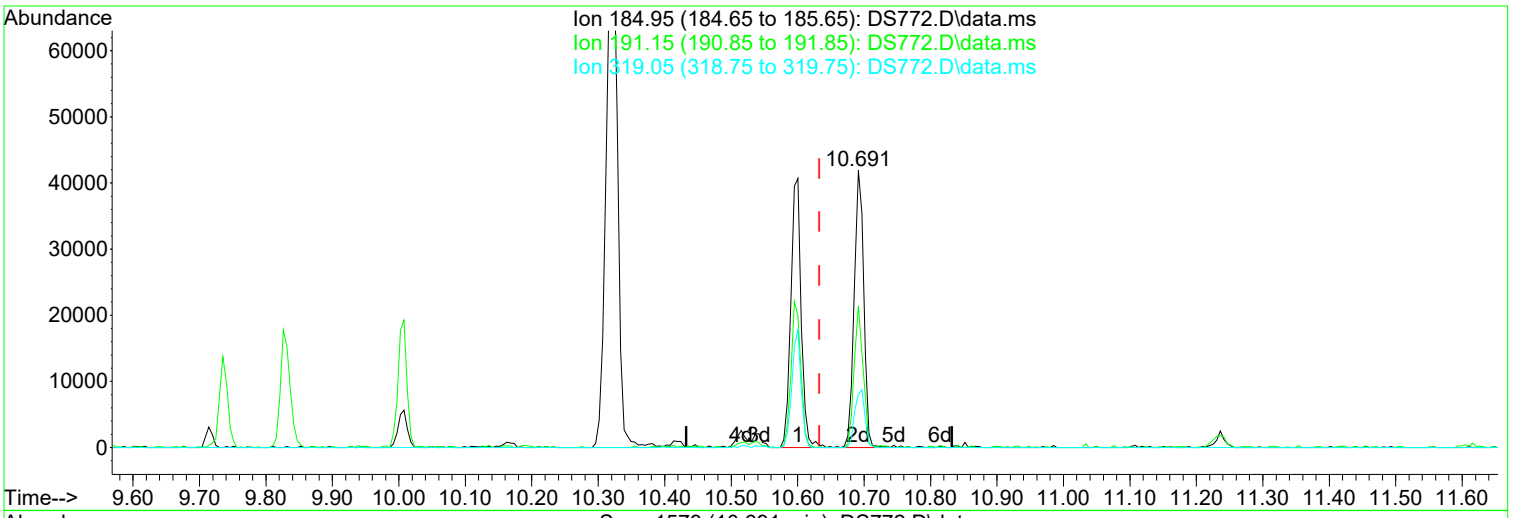
Quant Time: Jul 05 08:56:54 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration

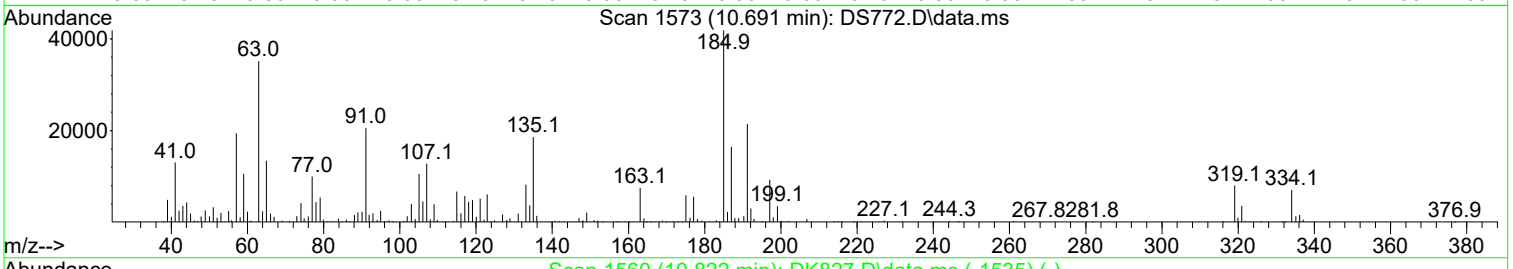


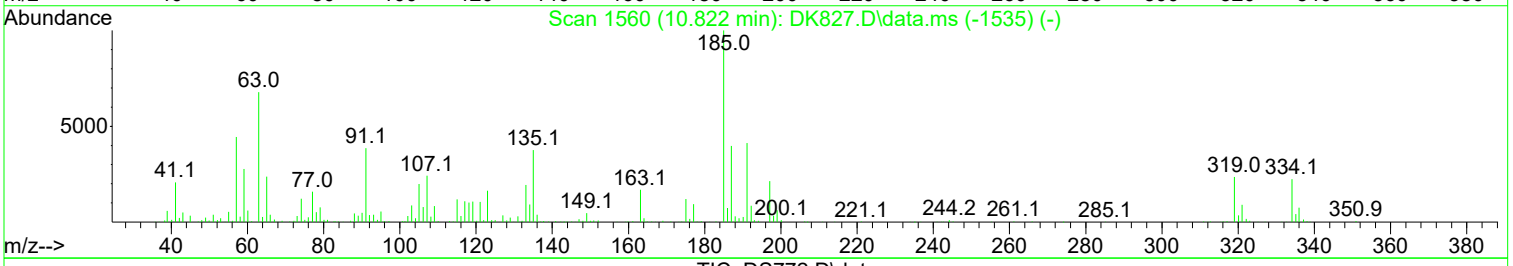
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS772.D
Acq On : 2 Jul 2019 9:54 pm
Operator : JMisiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 05 08:56:59 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration







TIC: DS772.D\data.ms

(125) Aramite (TM)

10.691min (+ 0.059) 181.33 ppm m

response 86524

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	51.70	51.18
319.05	19.90	19.22
0.00	0.00	0.00

Manual Integration:

After

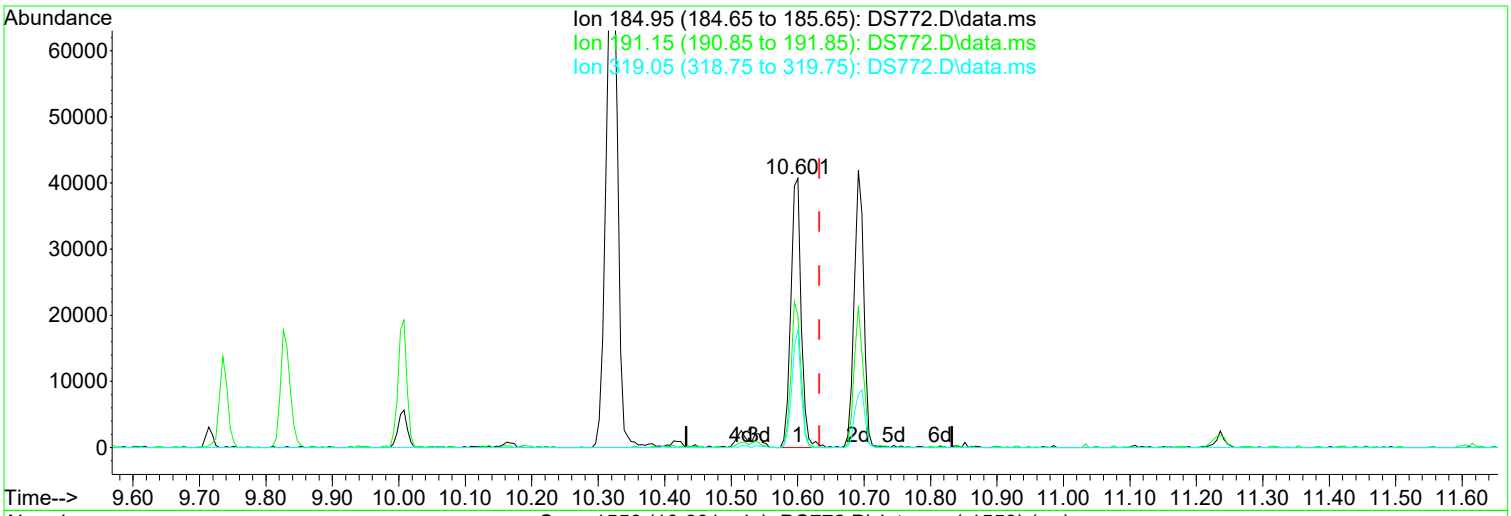
Split Peak.

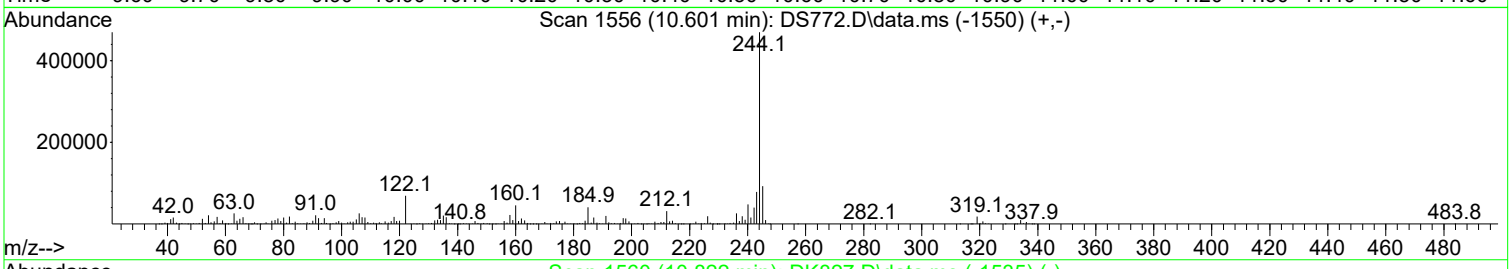
07/05/19

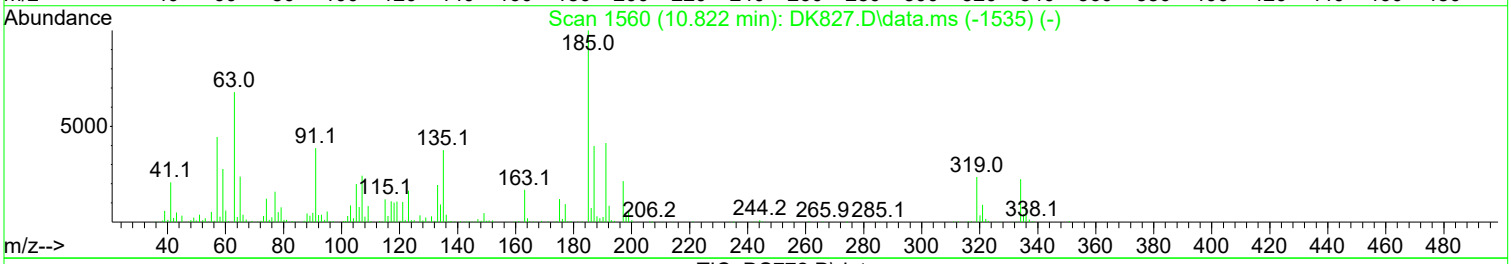
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS772.D
Acq On : 2 Jul 2019 9:54 pm
Operator : JMisiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 05 08:56:59 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration







TIC: DS772.D\data.ms

(125) Aramite (TM)

10.601min (-0.032) 92.42 ppm

response 44100

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	51.70	48.71
319.05	19.90	43.78
0.00	0.00	0.00

Manual Integration:

Before

07/05/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS772.D
Acq On : 2 Jul 2019 9:54 pm
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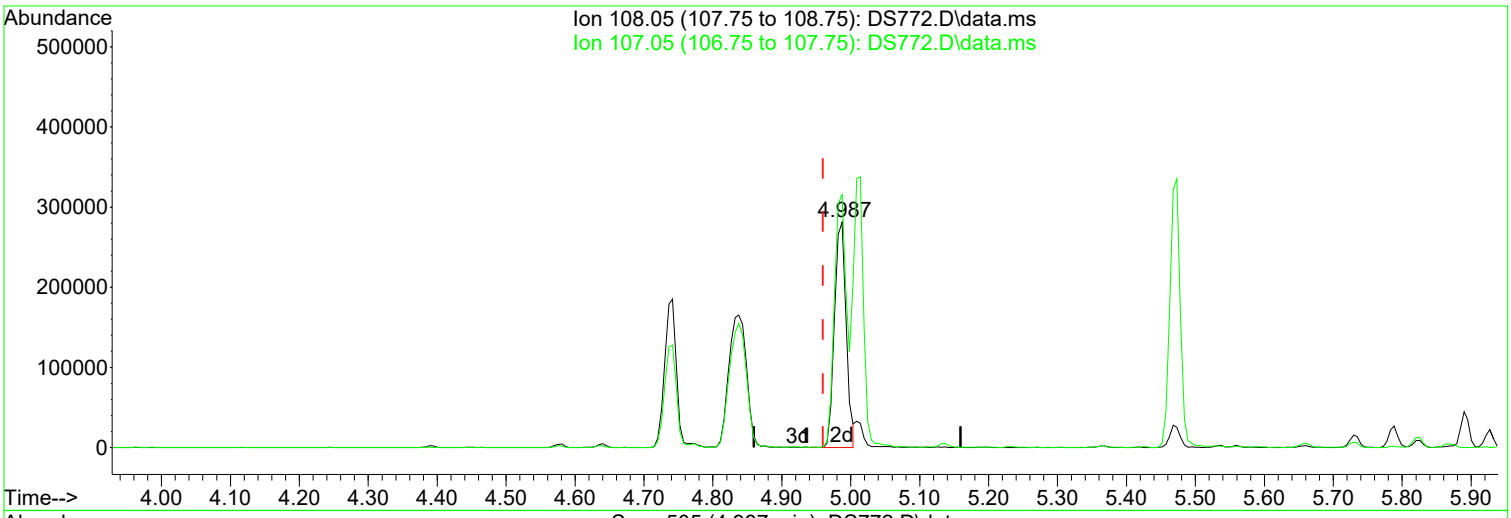
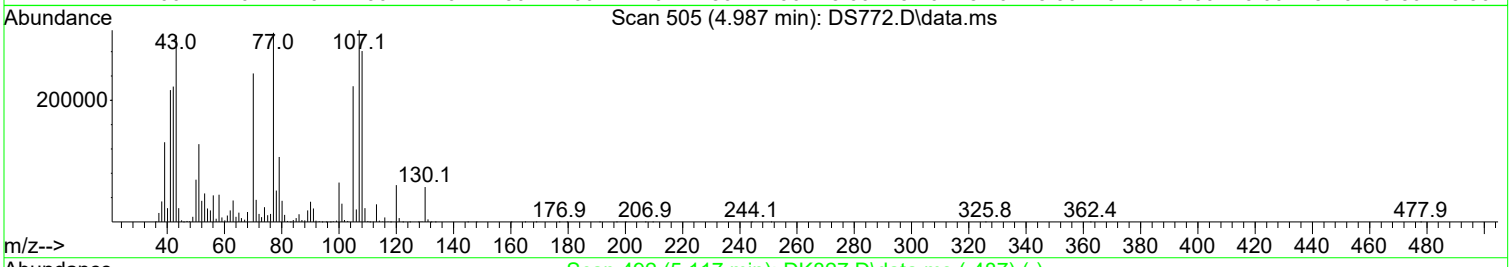
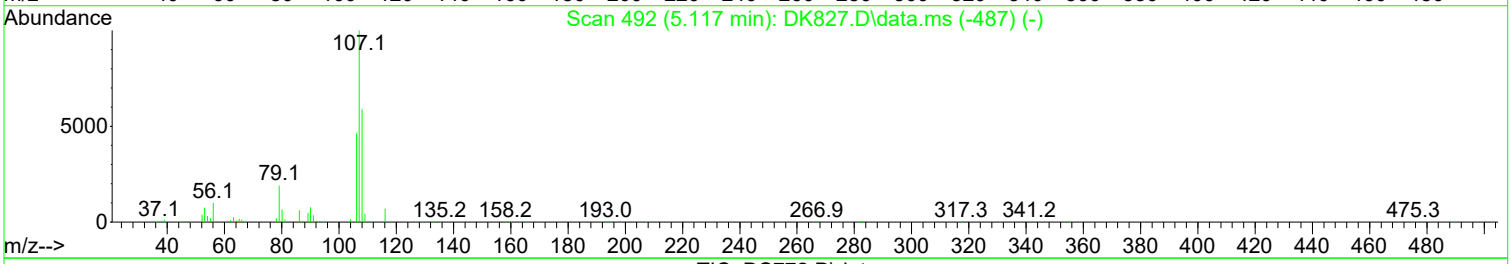
Sample : 160 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 05 08:56:59 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration







TIC: DS772.D\data.ms

(24) 3+4-Methylphenol (TM)

4.987min (+ 0.027) 163.44 ppm m

response 331964

Ion	Exp%	Act%
108.05	100.00	100.00
107.05	103.70	112.20
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

07/05/19

Quantitation Report (Qedit)

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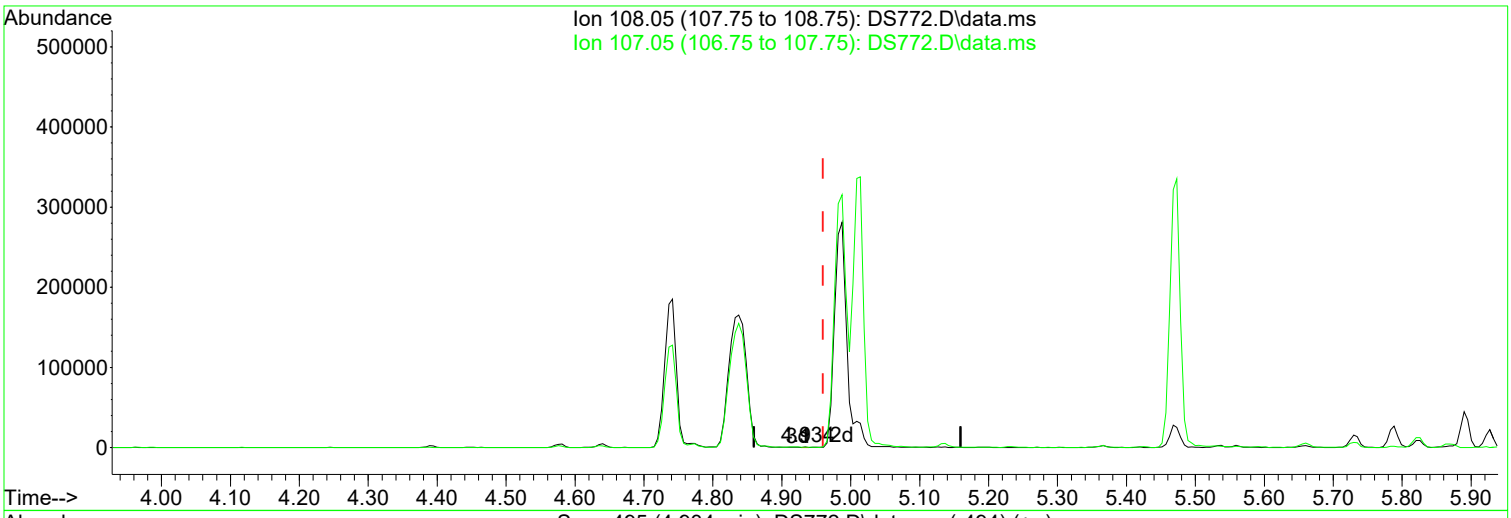

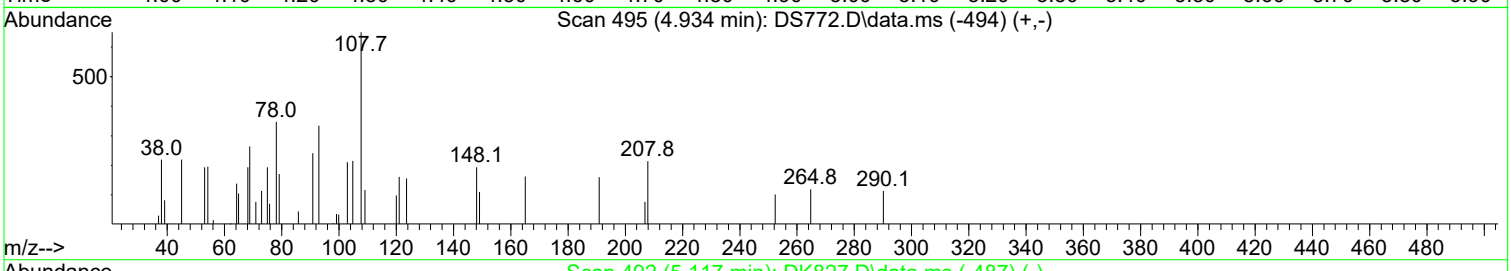

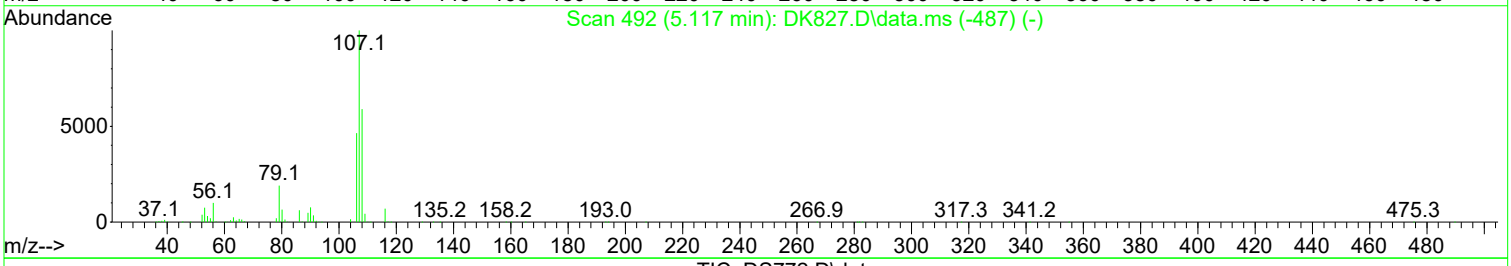

TIC: DS772.D\data.ms

(24) 3+4-Methylphenol (TM)

4.934min (-0.026) 0.15 ppm

response 298

Ion	Exp%	Act%
108.05	100.00	100.00
107.05	103.70	89.26
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

07/05/19

Quantitation Report (Qedit)

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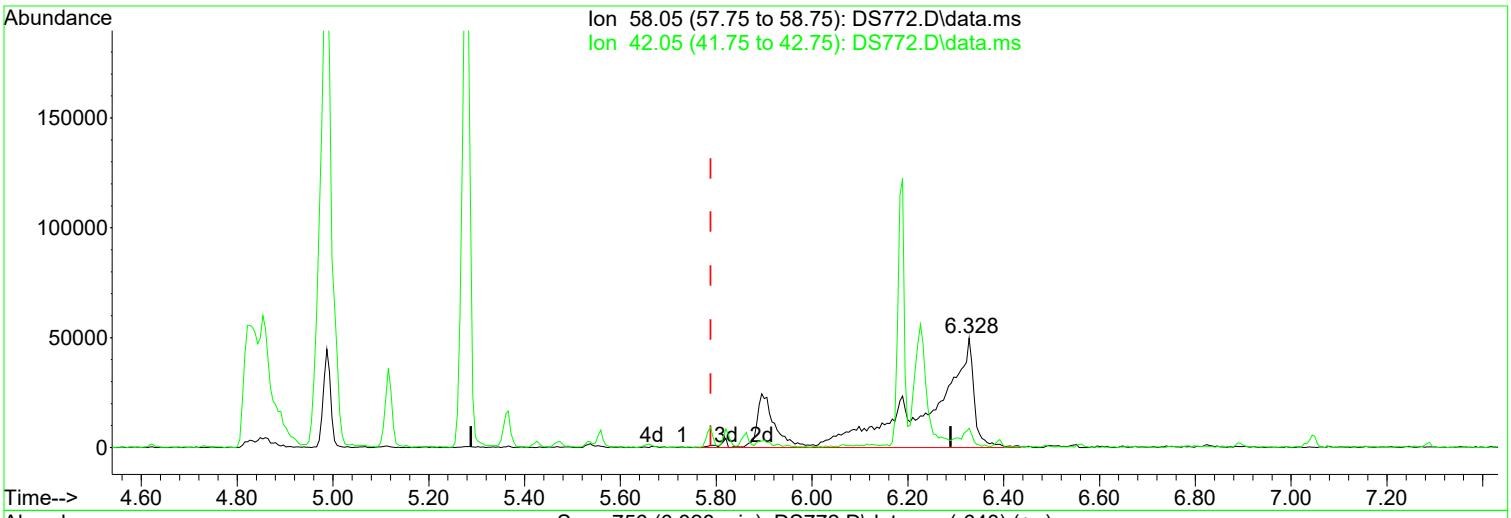
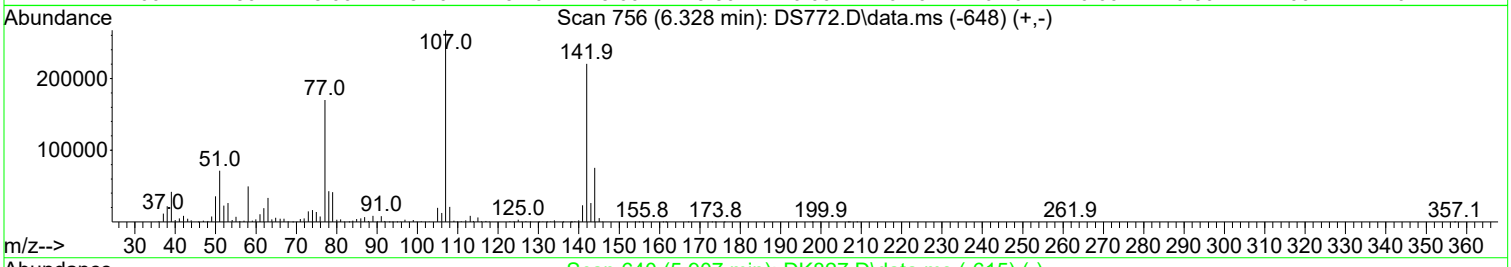
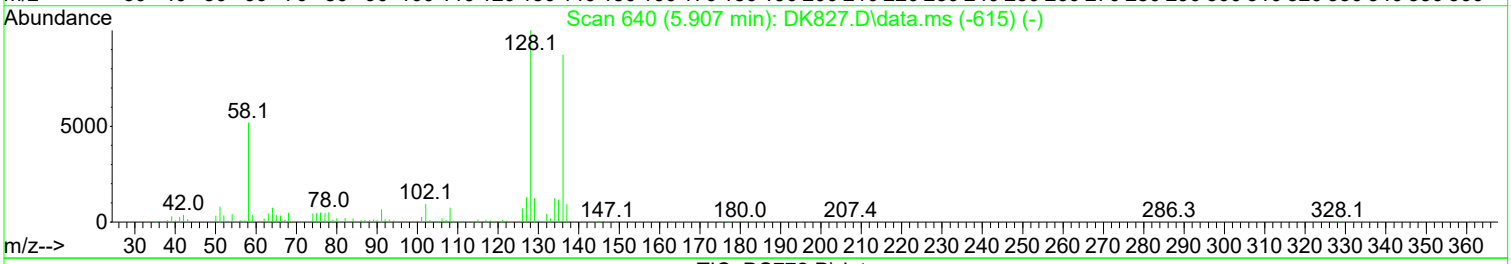
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration







TIC: DS772.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

6.328min (+ 0.539) 76.59 ppm m

response 383400

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	10.40	17.47
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

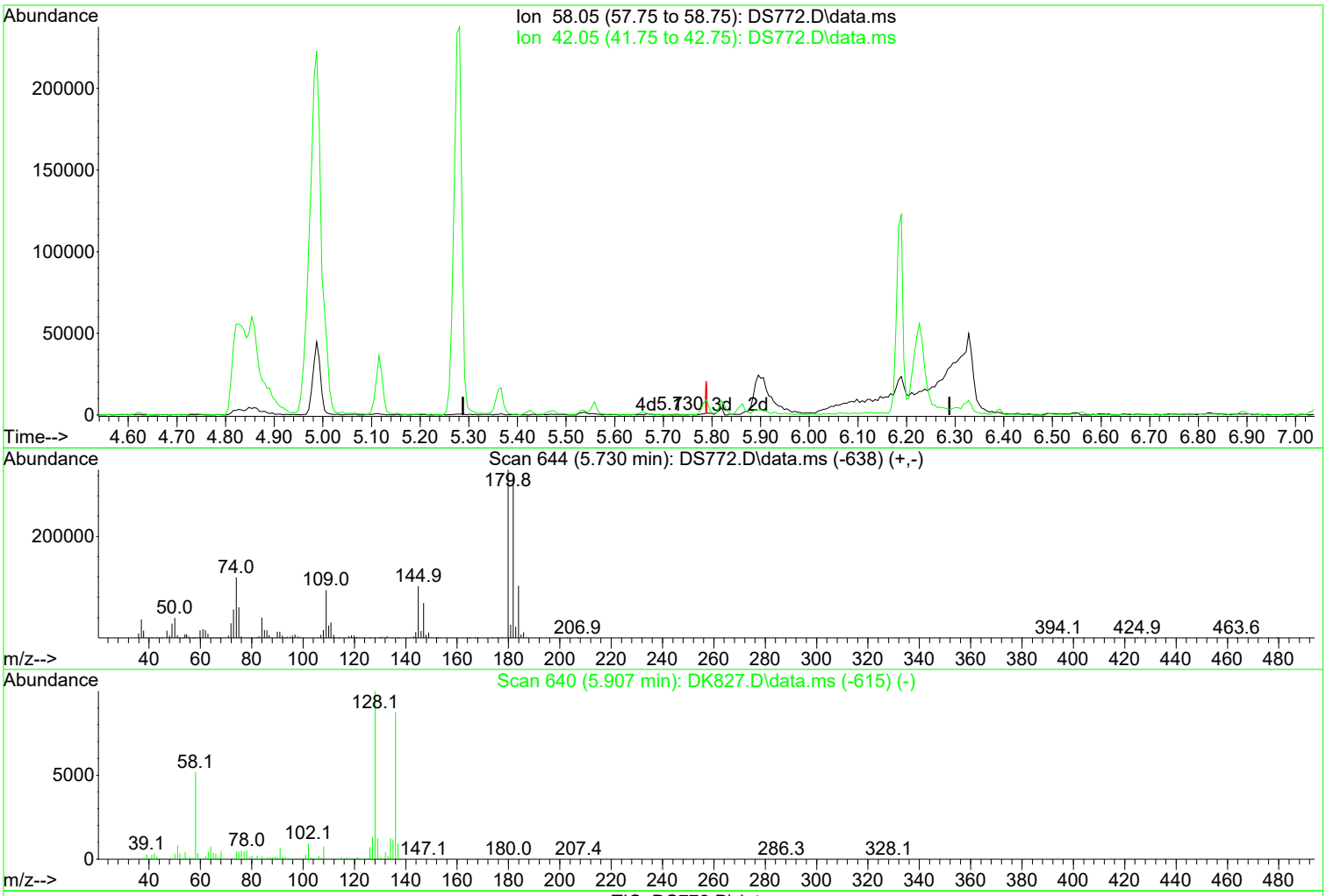
Poor integration.

07/05/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS772.D
Acq On : 2 Jul 2019 9:54 pm
Operator : JMisiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 05 08:56:59 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration



TIC: DS772.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.730min (-0.059) 0.07 ppm

response 357

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	10.40	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

07/05/19

Quantitation Report (Qedit)

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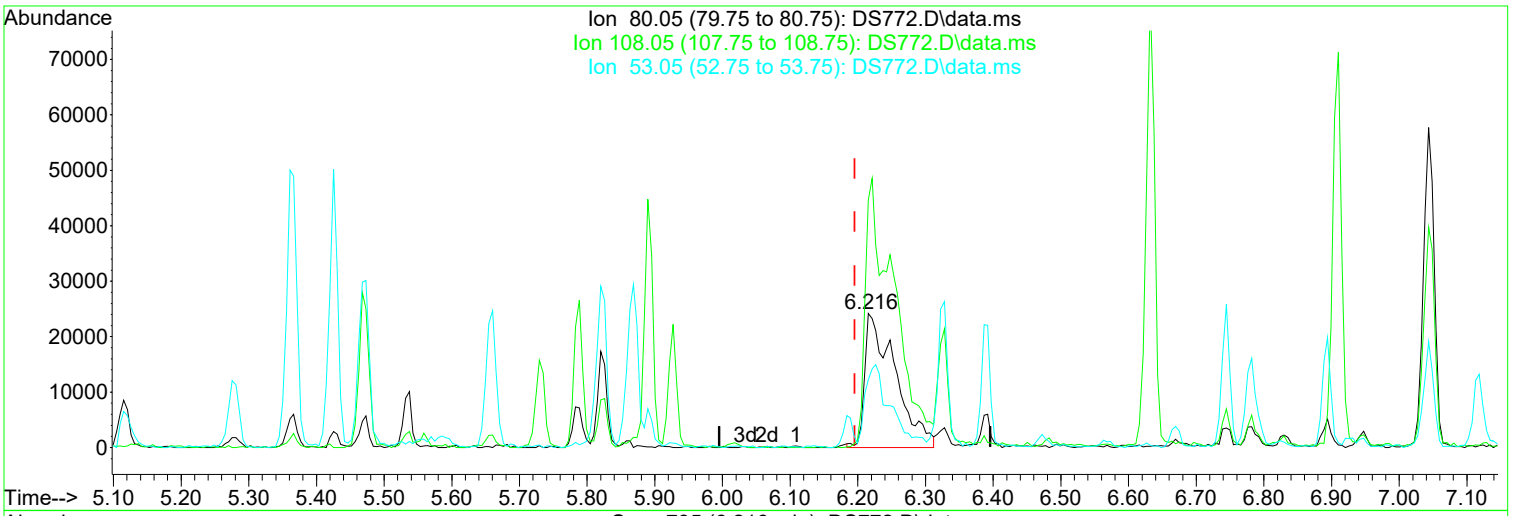
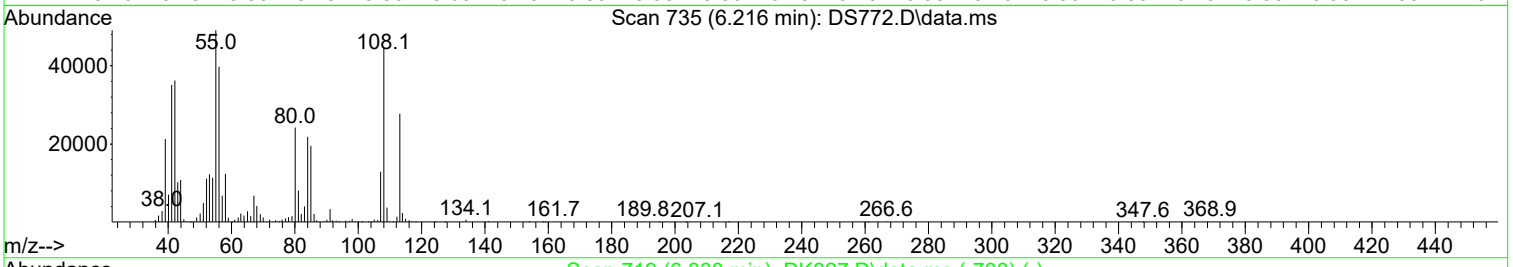
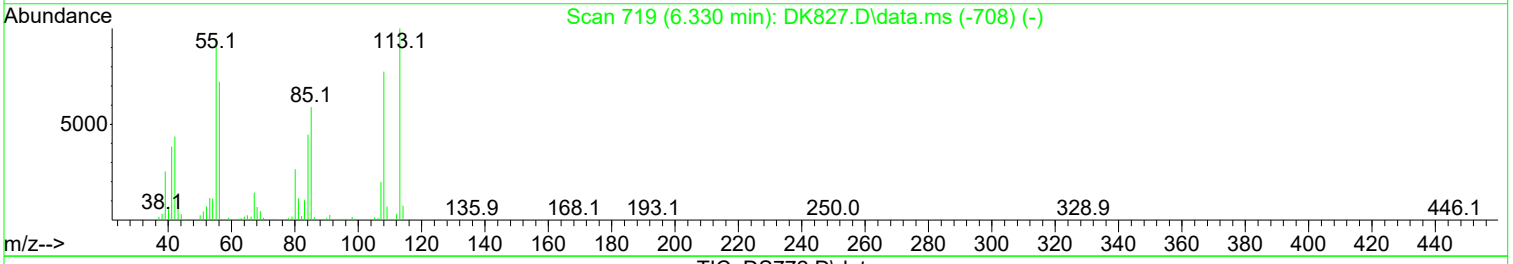
Data File : DS772.D
Acq On : 2 Jul 2019 9:54 pm
Operator : JMisiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 05 08:56:59 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration







TIC: DS772.D\data.ms

(53) p-Phenylenediamine (TM)

6.216min (+ 0.020) 75.02 ppm m

response 75322

Ion	Exp%	Act%
80.05	100.00	100.00
108.05	183.40	184.75
53.05	39.70	50.69
0.00	0.00	0.00

Manual Integration:

After

Peak not found.

07/05/19

Quantitation Report (Qedit)

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Data File : DS772.D
Acq On : 2 Jul 2019 9:54 pm
Operator : JMisiurewicz
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Misc : Initial Calibration 8270D/625
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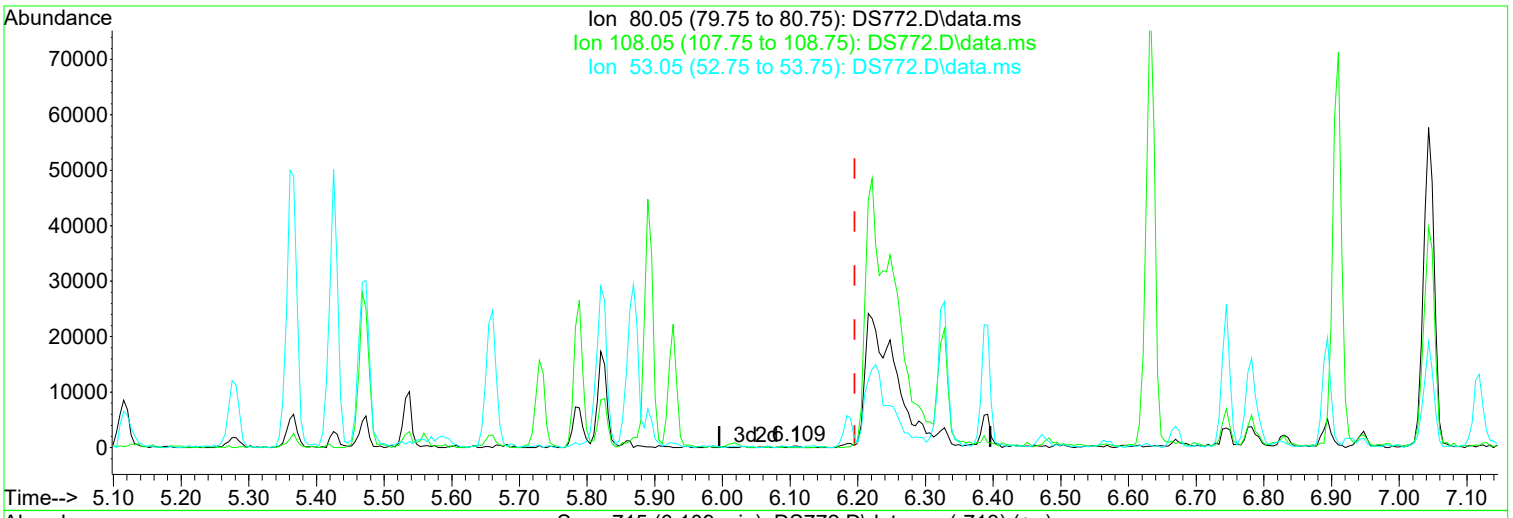
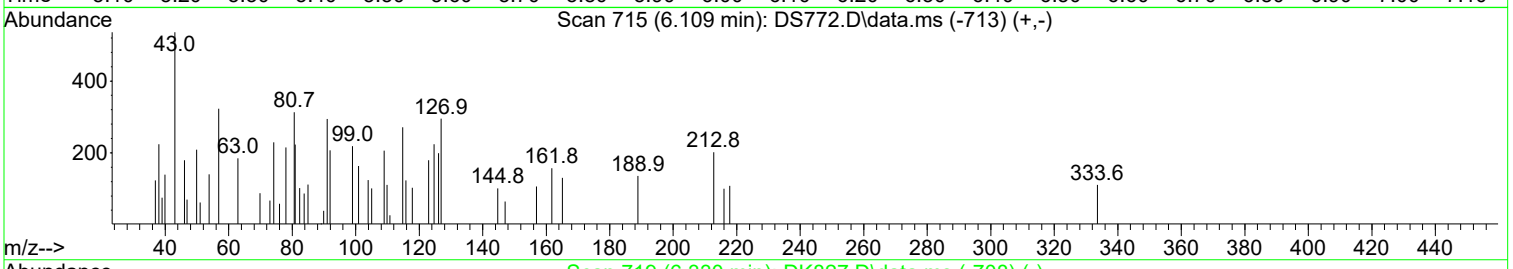
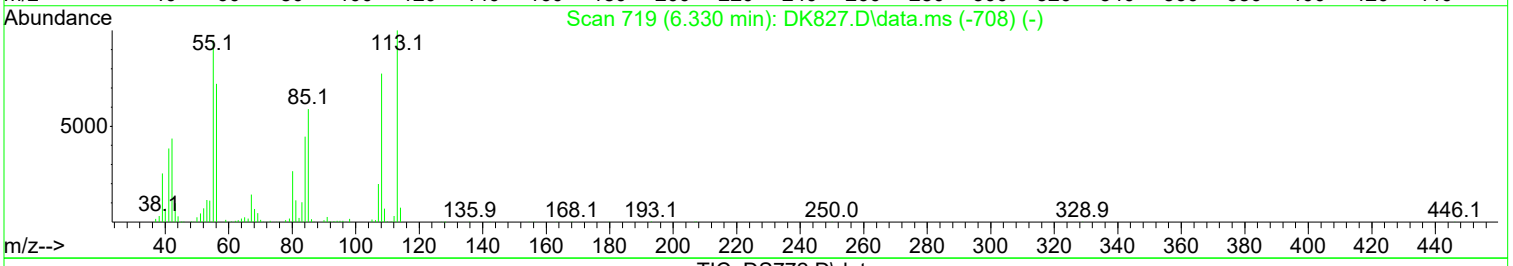
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration







TIC: DS772.D\data.ms

(53) p-Phenylenediamine (TM)

6.109min (-0.087) 0.23 ppm

response 230

Ion	Exp%	Act%
80.05	100.00	100.00
108.05	183.40	0.00#
53.05	39.70	0.00
0.00	0.00	0.00

Manual Integration:

Before

07/05/19

Quantitation Report (Qedit)

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Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
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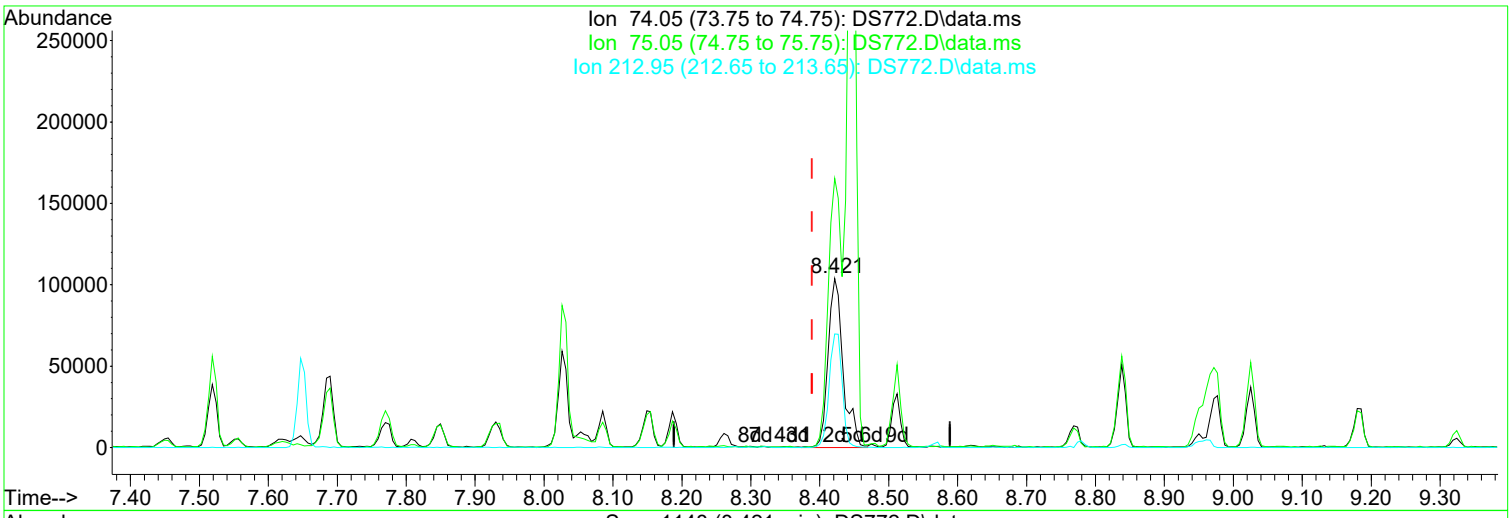

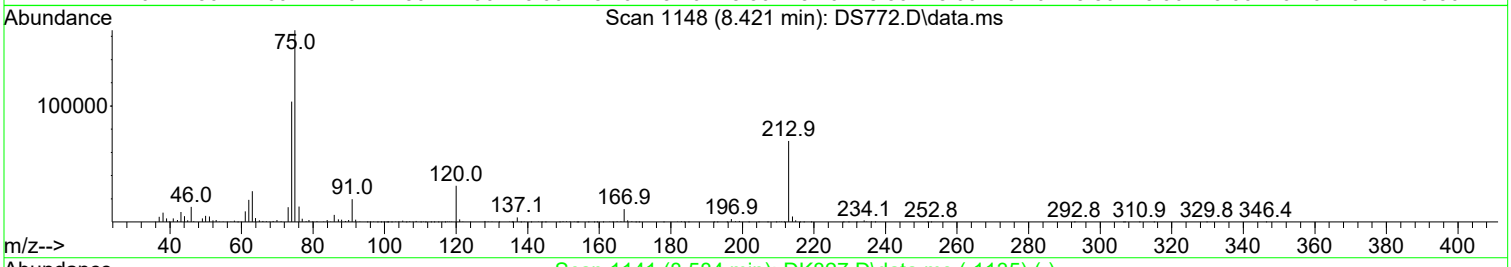

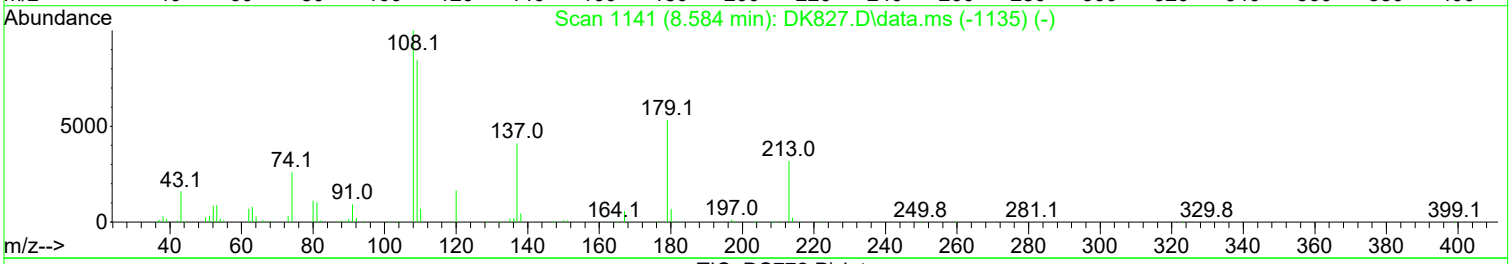

TIC: DS772.D\data.ms

(97) 1,3,5-Trinirobenzene (TM)

8.421min (+ 0.032) 174.53 ppm m

response 158447

Ion	Exp%	Act%
74.05	100.00	100.00
75.05	153.70	159.12
212.95	64.90	67.29
0.00	0.00	0.00

Manual Integration:

After

Peak not found.

07/05/19

Quantitation Report (Qedit)

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Data File : DS772.D
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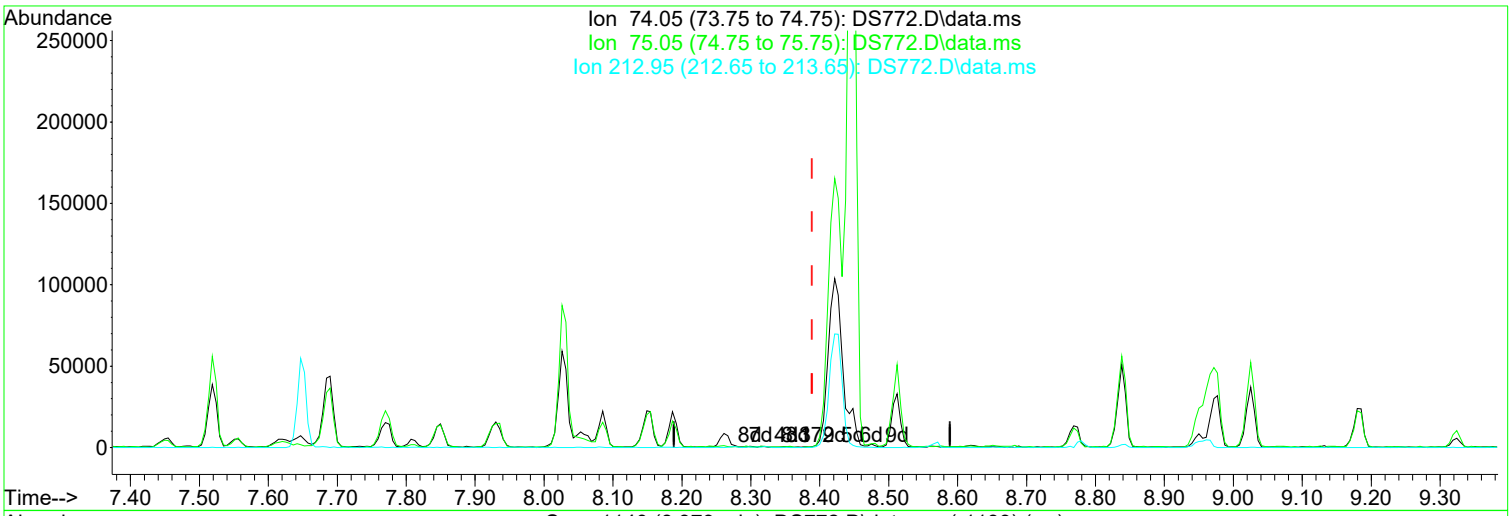
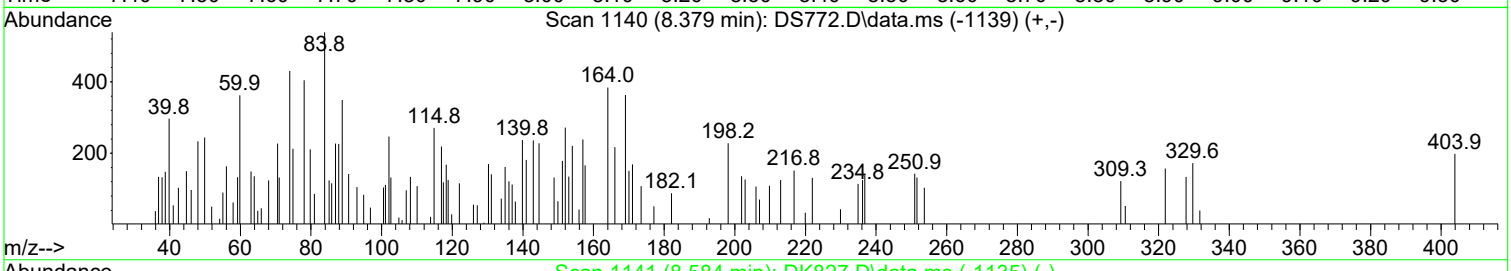
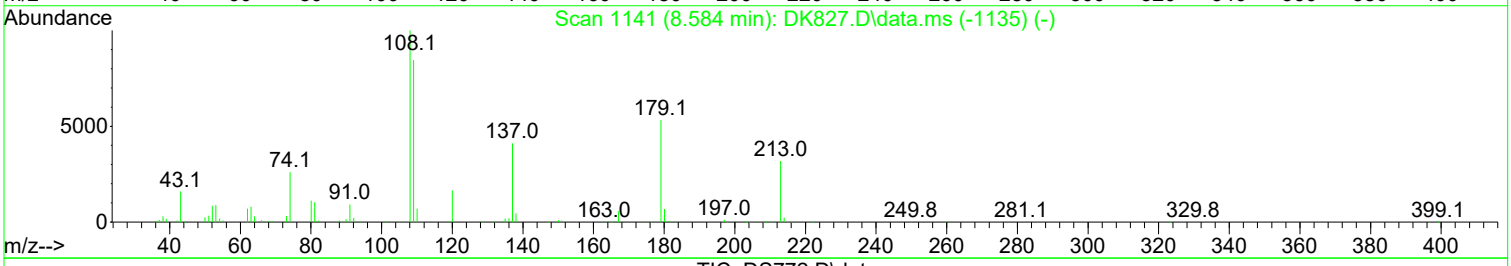
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration







TIC: DS772.D\data.ms

(97) 1,3,5-Trinirobenzene (TM)

8.379min (-0.010) 0.13 ppm

response 121

Ion	Exp%	Act%
74.05	100.00	100.00
75.05	153.70	0.00#
212.95	64.90	35.31
0.00	0.00	0.00

Manual Integration:

Before

07/05/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS772.D
Acq On : 2 Jul 2019 9:54 pm
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Quant Time: Jul 05 08:56:59 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.624	152	58518	40.00	ppm	0.00
33) d8-Naphthalene	5.788	136	217482	40.00	ppm	0.00
57) d10-Acenaphthene	7.487	164	128375	40.00	ppm	0.00
91) d10-Phenanthrene	8.950	188	252700	40.00	ppm	0.00
117) d12-Chrysene	12.107	240	229042	40.00	ppm	0.00
135) d12-Perylene	14.911	264	237851	40.00	ppm	0.00
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.566	112	338320	166.42	ppm	0.00
Spiked Amount 100.000	Range 10 - 70		Recovery = 166.42%#			
12) SURR2,PHENOL-D6	4.293	99	401292	160.84	ppm	0.01
Spiked Amount 100.000	Range 10 - 107		Recovery = 160.84%#			
34) SURR4,NITROBENZENE-D5	5.115	82	379072	153.82	ppm	0.00
Spiked Amount 50.000	Range 31 - 110		Recovery = 307.64%#			
63) SURR5,2-FLUOROBIPHENYL	6.830	172	695958	152.42	ppm	0.00
Spiked Amount 50.000	Range 31 - 118		Recovery = 304.84%#			
88) SURR3,2,4,6-TRIBROMOPH...	8.267	330	148324	172.76	ppm	0.01
Spiked Amount 100.000	Range 35 - 141		Recovery = 172.76%#			
124) SURR6,TERPHENYL-D14	10.611	244	931050	185.80	ppm	0.00
Spiked Amount 50.000	Range 10 - 165		Recovery = 371.60%#			
Target Compounds						Qvalue
2) Pyridine	2.637	79	372831	165.040	ppm	94
3) N-Nitrosodimethylamine	2.605	74	220728	172.295	ppm	99
4) 2-Picoline	3.155	93	355351	169.912	ppm	97
5) N-Nitrosomethylamine	3.225	42	228167	166.107	ppm	97
6) Methyl Methansulfonate	3.444	80	178657	172.640	ppm	95
8) N-Nitrosodiethylamine	3.748	102	173576	174.738	ppm	93
9) Ethyl Mathanesulfonate	3.978	79	256084	155.562	ppm	99
11) Aniline	4.341	93	485014	161.123	ppm	64
13) Phenol	4.303	94	401687	161.942	ppm	98
14) bis(2-Clethyl)Ether	4.389	93	323160	159.269	ppm	96
15) Pentachloroethane	4.389	117	128415	160.389	ppm	95
16) 2-Chlorophenol	4.442	128	342101	171.643	ppm	98
17) 1,3-Diclbenzene	4.576	146	376068	165.243	ppm	94
18) 1,4-Dichlorobenzene	4.640	146	383434	159.821	ppm	97
19) 1,2-Diclbenzene	4.773	146	364947	161.588	ppm	99
20) Benzyl Alcohol	4.741	79	314256	170.121	ppm	98
21) 1-Methyl-2-pyrrolidinone	4.827	99	191625	166.280	ppm	97
22) 2,2'-oxybis(1-Chloropr...	4.859	45	468222	152.914	ppm	98
23) 2-Methylphenol	4.838	108	296175	163.134	ppm	92
24) 3+4-Methylphenol	4.987	108	331964m	163.443	ppm	
25) Acetophenone	4.982	105	437695	155.773	ppm	93
26) N-Nitroso-Di-n-propyla...	4.987	70	256304	152.108	ppm	91
27) N-Nitrosopyrrolidine	4.976	100	170796	165.521	ppm #	51
28) N-Nitrosomorpholine	5.003	56	233071	163.022	ppm	97
29) o-Toluidine	5.014	106	494447	161.842	ppm	61
30) Hexachloroethane	5.073	117	163054	167.094	ppm	99
31) o,o,o-Triethylphosphor...	5.537	198	158157	168.602	ppm	99
32) Alpha-terpinol	5.820	121	106513	154.946	ppm	98
35) Nitrobenzene	5.137	77	369711	154.550	ppm	96
36) N-Nitrosopiperidine	5.281	42	271224	163.248	ppm	97
37) Isophorone	5.366	82	627860	157.088	ppm	99
38) 2-Nitrophenol	5.425	139	178944	157.341	ppm	94
39) 2,4-Dimethylphenol	5.473	107	352841	159.989	ppm	98

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Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) bis(-2-Chloroethoxy)Me...	5.559	93	482770	180.880	ppm	97
41) Benzoic Acid	5.591	105	259113	174.393	ppm	85
42) 2,4-Dichlorophenol	5.660	162	265894	159.495	ppm	99
43) a,a-Dimethylphenethyla...	6.328	58	383400m	76.593	ppm	
44) 1,2,4-Trichlorobenzene	5.730	180	309311	159.739	ppm	99
45) Naphthalene	5.810	128	980566	156.367	ppm	99
46) 4-Chloroaniline	5.863	127	421482	167.801	ppm	96
47) 2,6-Dichlorophenol	5.868	162	285300	162.232	ppm	96
48) Hexachlorobutadiene	5.927	225	188257	170.684	ppm	98
49) Hexachloropropene	5.890	213	221160	174.444	ppm	95
50) 4-Chloro-3-methylphenol	6.328	107	254738	152.475	ppm	97
51) N-N-di-n-butylamine	6.189	84	210627	126.331	ppm	97
52) Caprolactam	6.226	113	87002	163.716	ppm	96
53) p-Phenylenediamine	6.216	80	75322m	75.020	ppm	
54) Safrole	6.392	162	258867	171.645	ppm	93
55) 2-Methylnaphthalene	6.472	142	663189	157.943	ppm	99
56) 1-Methylnaphthalene	6.568	142	643935	162.387	ppm	99
58) Hexachlorocyclopentadiene	6.627	237	192317	150.829	ppm	95
59) 1,2,4,5-Tetrachloroben...	6.632	216	299536	155.363	ppm	98
60) 1,2,3,4-Tetrachloroben...	6.910	216	296751	168.301	ppm	97
61) 2,4,6-Trichlorophenol	6.744	196	194313	153.401	ppm	98
62) 2,4,5-Trichlorophenol	6.782	196	195928	147.573	ppm	97
64) Isosafrole	6.894	104	131727	152.657	ppm	92
65) 1,1'-Biphenyl	6.931	154	795222	163.652	ppm	99
66) 2-Chloronaphthalene	6.947	162	627287	156.649	ppm	100
67) 2-Nitroaniline	7.043	65	178125	151.192	ppm	93
68) 1,4-Naphthoquinone	7.118	158	164223	134.531	ppm	97
69) m-Dinitrobenzene	7.257	168	115195	165.165	ppm	80
70) Acenaphthylene	7.348	152	1117415	168.079	ppm	100
71) Dimethyl phthalate	7.236	163	688716	165.326	ppm	99
72) 2,6-Dinitrotoluene	7.284	165	147341	159.818	ppm	95
73) Acenaphthene	7.519	153	739574	160.454	ppm	97
74) 3-Nitroaniline	7.455	138	179427	172.335	ppm	90
75) 2,4-Dinitrophenol	7.556	184	125042	182.490	ppm	89
76) Dibenzofuran	7.690	168	868645	161.108	ppm	97
77) 2,4-Dinitrotoluene	7.684	165	231937	177.761	ppm	96
78) 4-Nitrophenol	7.620	65	172623	167.736	ppm	92
79) Pentachlorobenzene	7.647	250	274163	158.301	ppm	97
80) 1-Napthylamine	7.764	143	328946	151.931	ppm	95
81) 2-Napthylamine	7.850	143	529692	151.688	ppm	93
82) 2,3,4,6-Tetrachlorophenol	7.813	232	173718	159.185	ppm	94
83) Fluorene	8.026	166	802708	169.342	ppm	100
84) 4-Chlorophenyl-phenyle...	8.031	204	362798	164.812	ppm	92
85) Diethylphthalate	7.930	149	713244	161.262	ppm	97
86) 4-Nitroaniline	8.064	138	172578	151.137	ppm	99
87) 5-Nitro-o-toluidine	8.053	152	192513	153.696	ppm	91
89) Sulfotepp	8.320	322	140419	189.786	ppm	88
90) Octachlorocyclopentene	8.277	307	143346	171.945	ppm	98
92) Thionazin	8.015	107	111600	144.693	ppm	94
93) 4,6-Dinitro-2-methylph...	8.085	198	154960	145.400	ppm	96
94) Diphenylamine	8.154	169	1178840	292.310	ppm	98
95) 1,2 Diphenylhydrazine	8.186	77	675618	122.071	ppm	96
96) N-Nitrosodiphenylamine	8.154	169	1178840	292.305	ppm	98
97) 1,3,5-Trinirobenzene	8.421	74	158447m	174.528	ppm	
98) Diallate	8.437	86	220143	125.634	ppm	86
99) Phorate	8.448	121	138960	150.822	ppm	84

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Response via : Initial Calibration

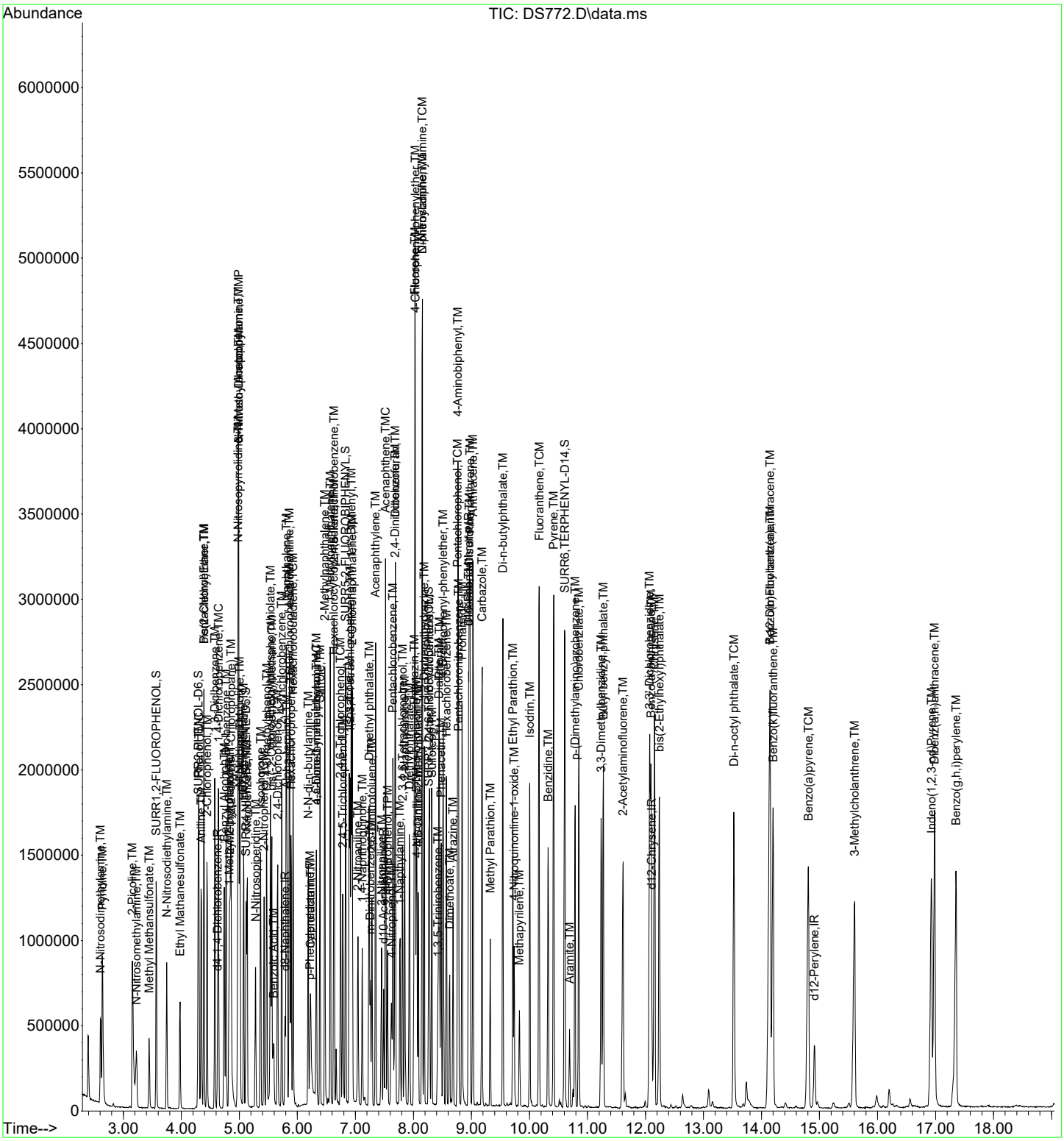
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
100) Phenacetin	8.480	108	368495	139.543	ppm	90
101) 4-Bromophenyl-phenylether	8.512	248	230587	146.756	ppm	97
102) Hexachlorobenzene	8.571	284	265458	149.516	ppm	99
103) Dimethoate	8.624	87	136533	85.204	ppm	96
104) Atrazine	8.683	215	72195	111.488	ppm	88
105) Pentachlorophenol	8.763	266	185185	157.310	ppm	97
106) 4-Aminobiphenyl	8.769	169	743460	153.018	ppm	99
107) Pentachloronitrobenzene	8.779	237	107359	161.174	ppm	94
108) Pronamide	8.838	173	373354	164.565	ppm	99
109) Dinoseb	8.950	211	248739	168.075	ppm	97
110) Disulfoton	8.961	88	403329	138.569	ppm	97
111) Phenanthrene	8.977	178	1169569	152.030	ppm	100
112) Anthracene	9.025	178	1187577	157.092	ppm	99
113) Carbazole	9.185	167	1041788	155.524	ppm	98
114) Di-n-butylphthalate	9.543	149	1371118	158.509	ppm	99
115) 4-Nitroquinonline-1-oxide	9.735	190	100626	129.423	ppm	97
116) Fluoranthene	10.168	202	1342354	158.063	ppm	99
118) Methyl Parathion	9.324	109	144584	143.162	ppm	94
119) Ethyl Parathion	9.714	97	163062	178.533	ppm	95
120) Methapyrilene	9.826	58	162783	144.704	ppm	96
121) Isodrin	10.008	193	124968	183.821	ppm	91
122) Benzidine	10.323	184	668692	174.820	ppm	97
123) Pyrene	10.419	202	1369758	190.829	ppm	98
125) Aramite	10.691	185	86524m	181.335	ppm	
126) p-(Dimethylamino)azobe...	10.788	120	323719	171.412	ppm	94
127) Chlorobenzilate	10.852	139	434556	180.506	ppm	96
128) Butyl benzyl phthalate	11.274	149	568348	165.683	ppm	99
129) 3,3-Dimethylbenzidine	11.236	212	719366	176.193	ppm	99
130) 2-Acetylaminofluorene	11.615	181	478963	187.836	ppm	98
131) 3,3'-Dichlorobenzidine	12.069	252	482710	179.855	ppm	98
132) Benzo(a)anthracene	12.096	228	1202086	160.361	ppm	98
133) Chrysene	12.155	228	1184952	164.425	ppm	99
134) bis(2-Ethylhexyl)phtha...	12.240	149	763559	163.766	ppm	96
136) Di-n-octyl phthalate	13.522	149	1367084	178.751	ppm	99
137) 7,12-Dimethylbenz(a)an...	14.147	256	592839	171.198	ppm	99
138) Benzo(b)Fluoranthene	14.147	252	1376405	173.333	ppm	96
139) Benzo(k)fluoranthene	14.200	252	1158561	162.383	ppm	99
140) Benzo(a)pyrene	14.809	252	1152256	172.375	ppm	99
141) 3-Methylcholanthrene	15.605	268	631055	178.109	ppm	98
142) Indeno(1,2,3-cd)Pyrene	16.930	276	1074353	181.685	ppm	95
143) Dibenz(a,h)anthracene	16.983	278	1188275	188.534	ppm	97
144) Benzo(g,h,i)perylene	17.352	276	1080451	177.514	ppm	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS772.D
Acq On : 2 Jul 2019 9:54 pm
Operator : JMisiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 12 Sample Multiplier: 1

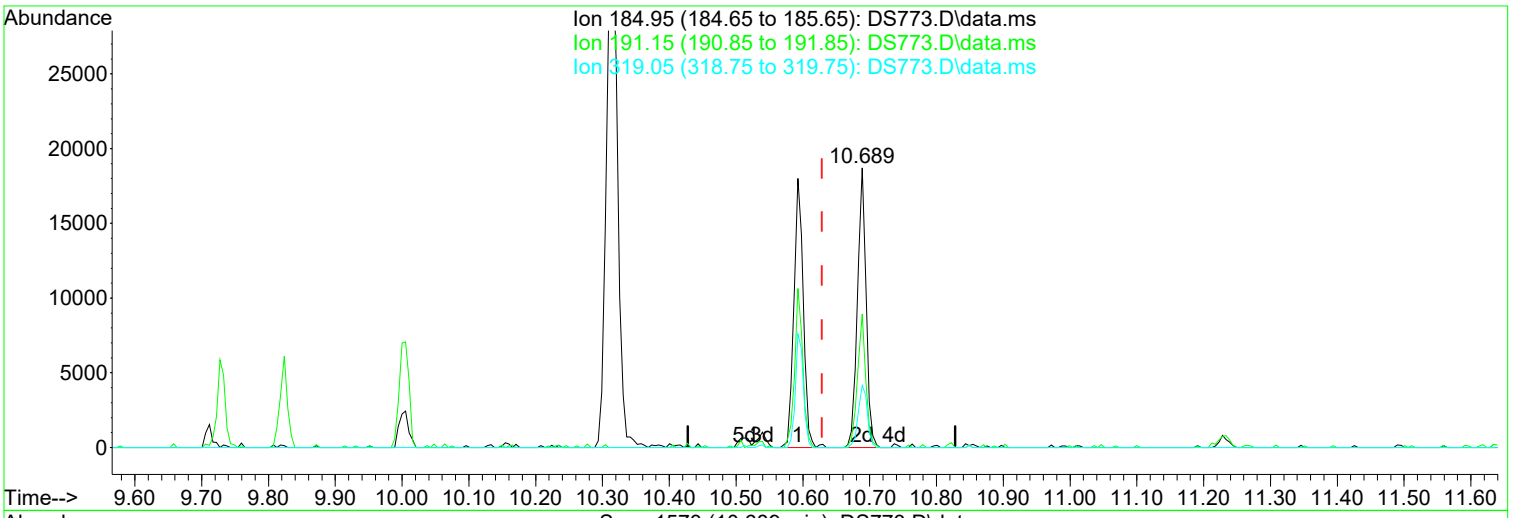
Quant Time: Jul 05 08:56:59 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed Jul 03 10:09:47 2019
Response via : Initial Calibration

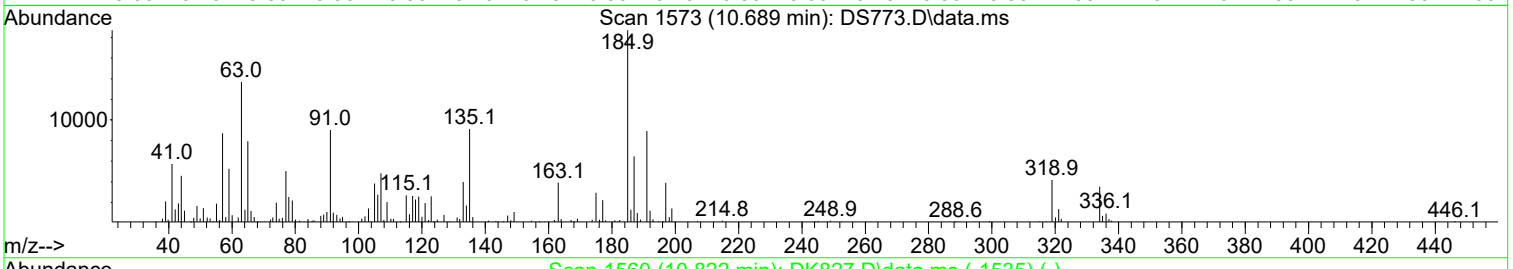


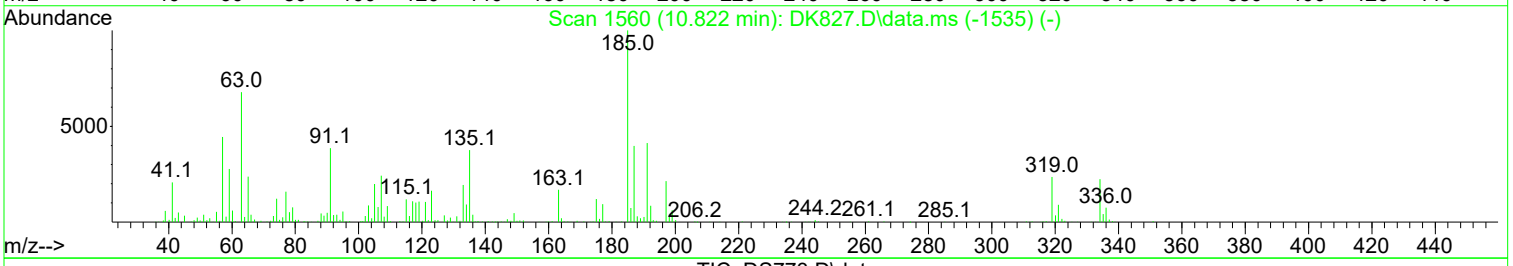
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS773.D
Acq On : 2 Jul 2019 10:24 pm
Operator : JMisiurewicz
Sample : ICV
Misc : Initial Calibration 8270D/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 05 12:06:35 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jul 05 09:32:54 2019
Response via : Initial Calibration







TIC: DS773.D\data.ms

(125) Aramite (TM)

10.689min (+ 0.060) 93.60 ppm m

response 34951

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	51.70	47.66
319.05	19.90	22.23
0.00	0.00	0.00

Manual Integration:

After

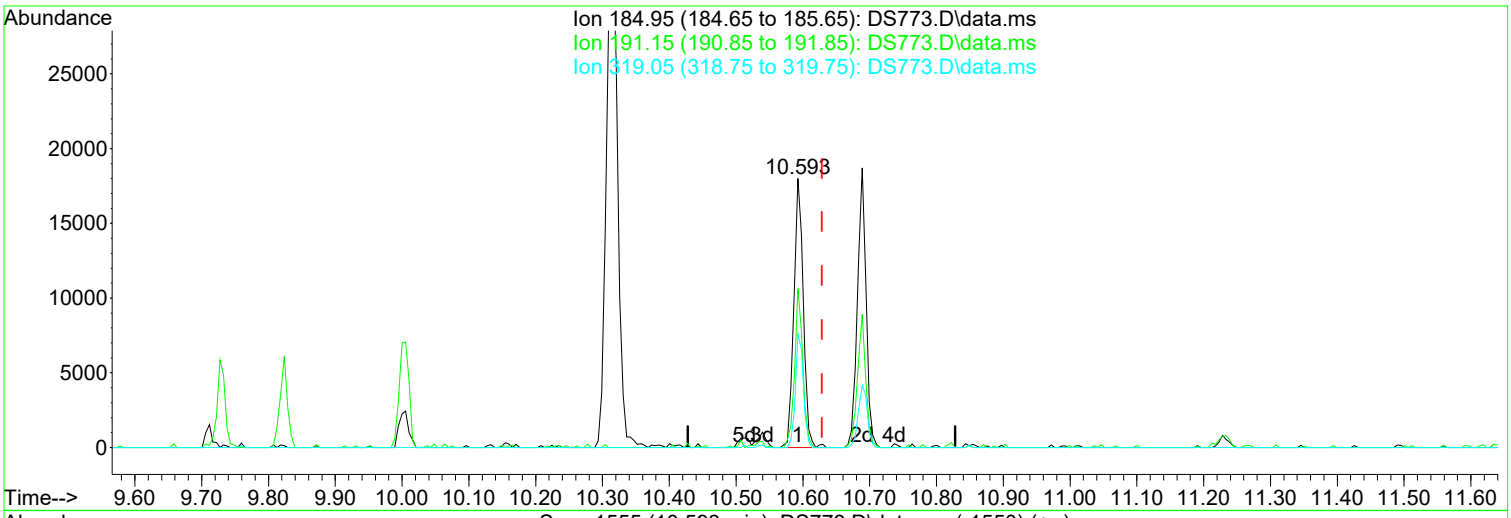
Split Peak.

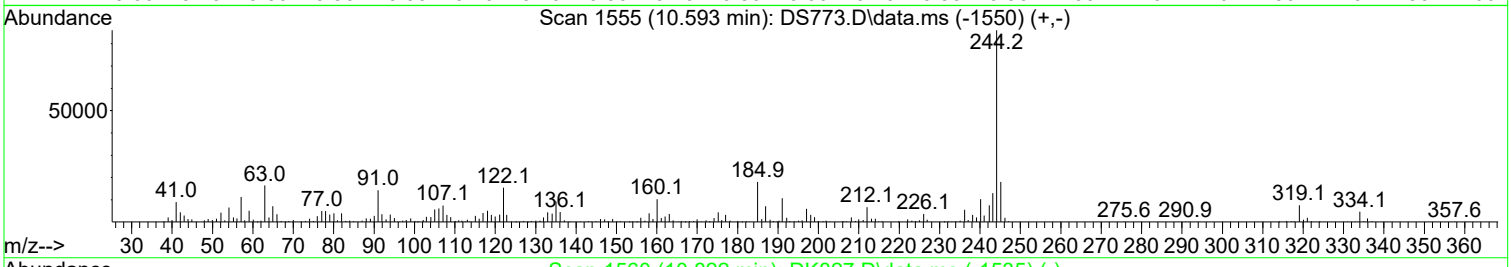
07/05/19

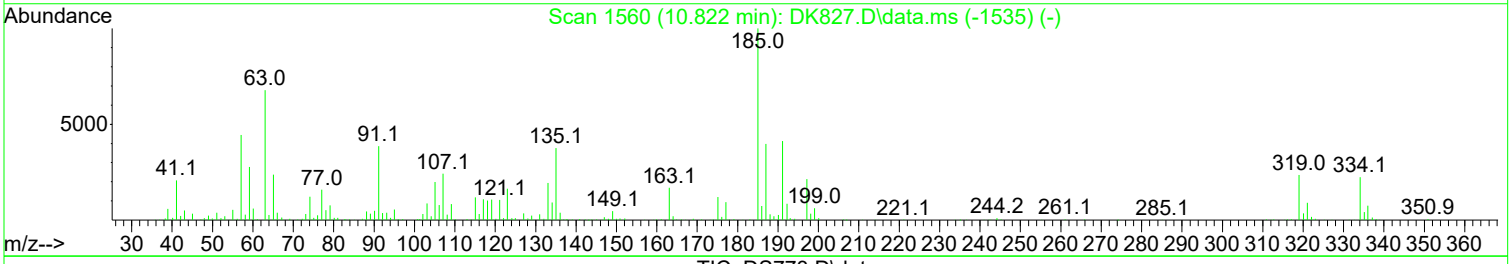
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS773.D
Acq On : 2 Jul 2019 10:24 pm
Operator : JMisiurewicz
Sample : ICV
Misc : Initial Calibration 8270D/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 05 12:06:35 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jul 05 09:32:54 2019
Response via : Initial Calibration







TIC: DS773.D\data.ms

(125) Aramite (TM)

10.593min (-0.036) 47.57 ppm

response 17765

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	51.70	59.13
319.05	19.90	42.19
0.00	0.00	0.00

Manual Integration:

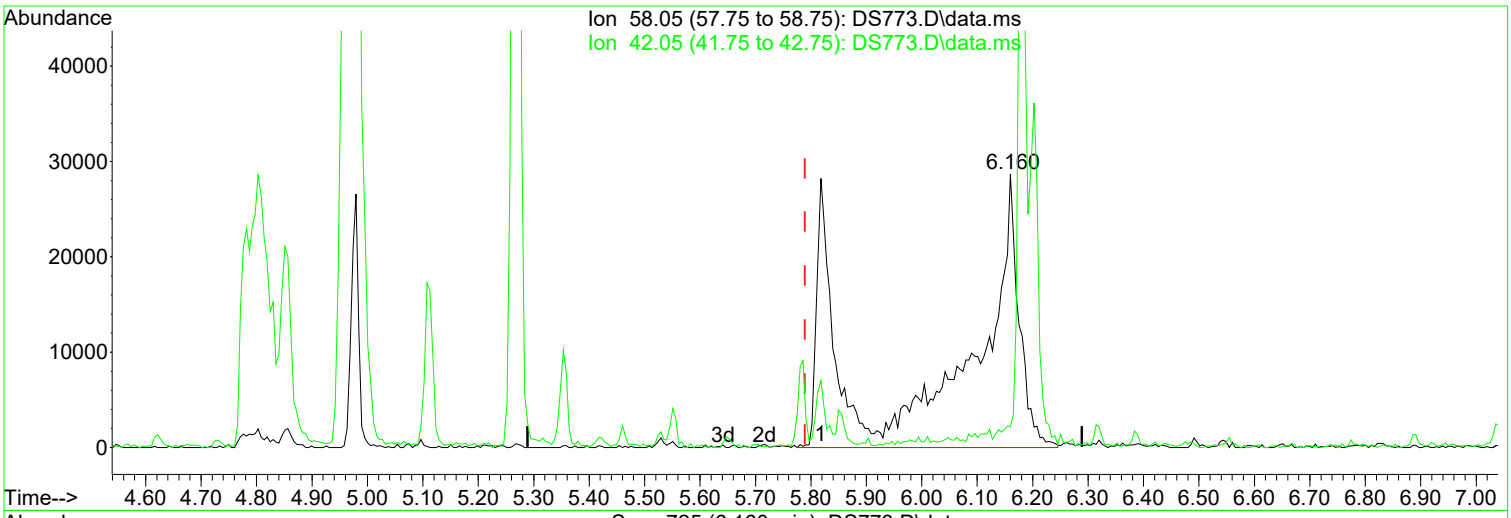
Before

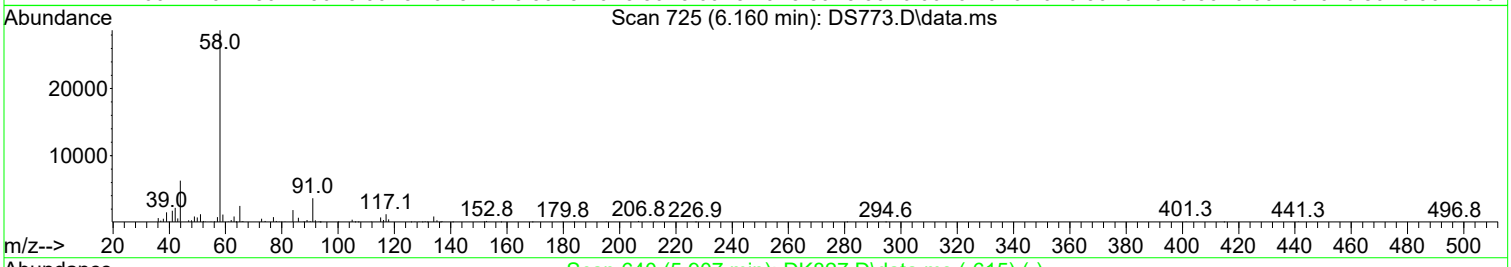
07/05/19

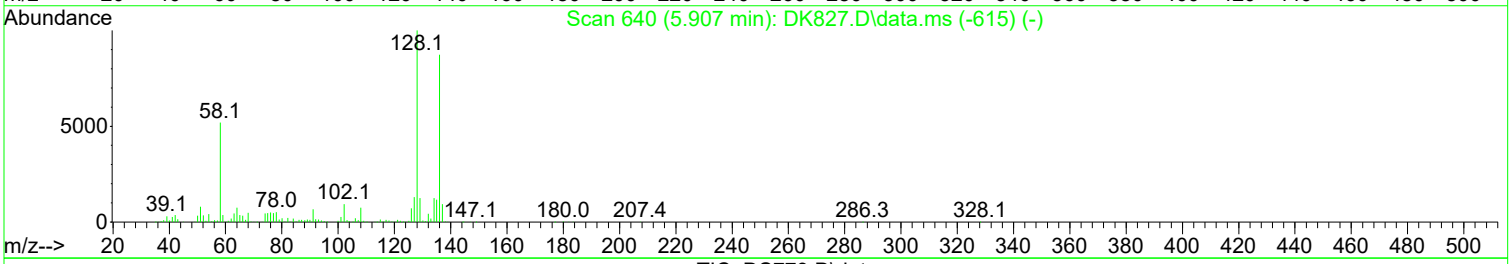
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS773.D
Acq On : 2 Jul 2019 10:24 pm
Operator : JMisiurewicz
Sample : ICV
Misc : Initial Calibration 8270D/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 05 12:06:35 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jul 05 09:32:54 2019
Response via : Initial Calibration







TIC: DS773.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

6.160min (+ 0.370) 41.10 ppm m

response 202632

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	10.40	7.72
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

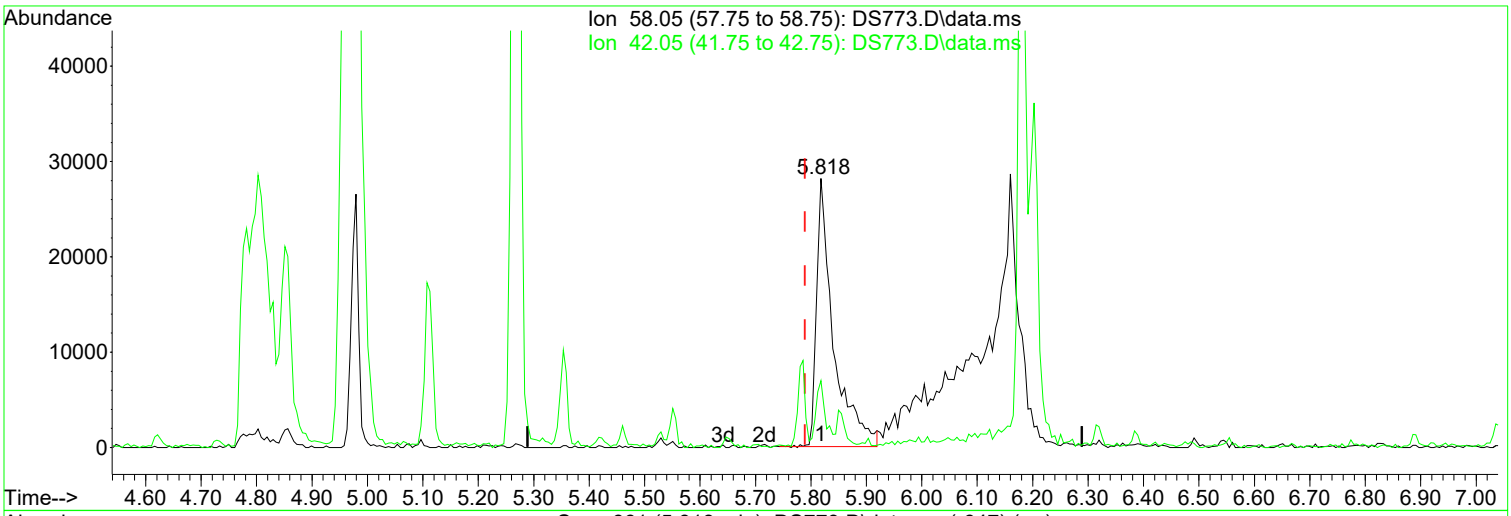
Poor integration.

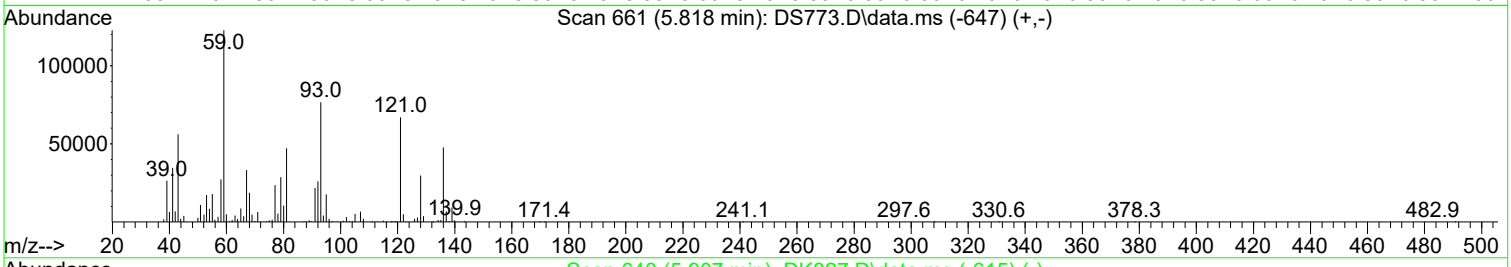
07/05/19

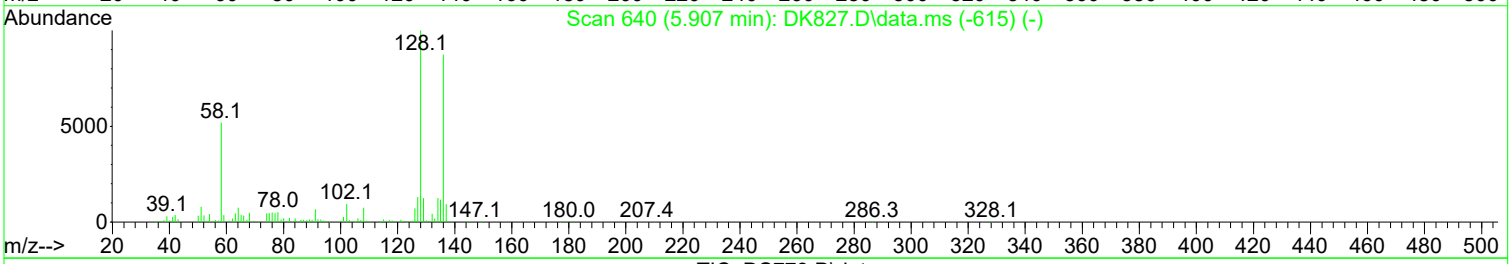
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS773.D
Acq On : 2 Jul 2019 10:24 pm
Operator : JMisiurewicz
Sample : ICV
Misc : Initial Calibration 8270D/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 05 12:06:35 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jul 05 09:32:54 2019
Response via : Initial Calibration







TIC: DS773.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.818min (+ 0.028) 12.12 ppm

response 59756

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	10.40	24.83
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

07/05/19

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS773.D
Acq On : 2 Jul 2019 10:24 pm
Operator : JMisiurewicz
Sample : ICV
Misc : Initial Calibration 8270D/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 05 12:06:35 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jul 05 09:32:54 2019
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	IR	d4-1,4-Dichlorobenzene	40.000	40.000	0.0	103	0.00
2	TM	Pyridine	80.000	83.626	-4.5	105	-0.01
3	TM	N-Nitrosodimethylamine	80.000	83.231	-4.0	99	0.00
4	TM	2-Picoline	80.000	82.764	-3.5	105	0.00
5	TM	N-Nitrosomethylamine	80.000	78.160	2.3	107	0.00
6	TM	Methyl Methansulfonate	80.000	78.393	2.0	102	0.00
7	S	SURR1,2-FLUOROPHENOL	80.000	72.957	8.8	98	0.00
8	TM	N-Nitrosodiethylamine	80.000	75.398	5.8	99	0.00
9	TM	Ethyl Mathanesulfonate	80.000	80.248	-0.3	109	0.00
10	TM	Benzaldehyde	80.000	54.745	31.6#	79	0.00
11	TM	Aniline	80.000	82.114	-2.6	105	0.00
12	S	SURR2,PHENOL-D6	80.000	76.775	4.0	101	0.00
13	TMC	Phenol	80.000	74.359	7.1	96	0.00
14	TM	bis(2-Clethyl)Ether	80.000	73.113	8.6	96	0.00
15	TM	Pentachloroethane	80.000	78.280	2.1	109	0.00
16	TM	2-Chlorophenol	80.000	80.504	-0.6	98	0.00
17	TM	1,3-Diclbenzene	80.000	74.538	6.8	93	0.00
18	TMC	1,4-Dichlorobenzene	80.000	75.043	6.2	98	0.00
19	TM	1,2-Diclbenzene	80.000	72.915	8.9	95	0.00
20	TM	Benzyl Alcohol	80.000	79.101	1.1	98	0.00
21	T	1-Methyl-2-pyrrolidinone	80.000	87.950	-9.9	103	0.02
22	TM	2,2'-oxybis(1-Chloropropane	80.000	73.709	7.9	97	0.00
23	TM	2-Methylphenol	80.000	74.325	7.1	95	0.00
24	TM	3+4-Methylphenol	80.000	74.436	7.0	95	0.00
25	TM	Acetophenone	80.000	76.636	4.2	104	0.00
26	TMP	N-Nitroso-Di-n-propylamine	80.000	78.059	2.4	105	0.00
27	TM	N-Nitrosopyrrolidine	80.000	80.433	-0.5	100	0.00
28	TM	N-Nitrosomorpholine	80.000	79.460	0.7	103	0.00
29	TM	o-Toluidine	80.000	81.082	-1.4	103	0.00
30	TM	Hexachloroethane	80.000	80.290	-0.4	100	0.00
31	TM	o,o,o-Triethylphosphorothio	80.000	87.790	-9.7	109	0.00
32	TM	Alpha-terpinol	80.000	76.159	4.8	102	0.00
33	IR	d8-Naphthalene	40.000	40.000	0.0	95	0.00
34	S	SURR4,NITROBENZENE-D5	80.000	80.990	-1.2	100	0.00
35	TM	Nitrobenzene	80.000	83.594	-4.5	102	0.00
36	TM	N-Nitrosopiperidine	80.000	88.183	-10.2	101	0.00
37	TM	Isophorone	80.000	84.773	-6.0	98	0.00
38	TCM	2-Nitrophenol	80.000	82.663	-3.3	101	0.00
39	TM	2,4-Dimethylphenol	80.000	85.080	-6.3	103	0.00
40	TM	bis(-2-Chloroethoxy)Methane	80.000	79.452	0.7	97	0.00
41	TM	Benzoic Acid	80.000	96.286	-20.4#	108	0.04
42	TCM	2,4-Dichlorophenol	80.000	91.416	-14.3	103	0.00
43	TM	a,a-Dimethylphenethylamine	40.000	41.096	-2.7	99	0.37
44	TM	1,2,4-Trichlorobenzene	80.000	88.122	-10.2	104	0.00
45	TM	Naphthalene	80.000	75.936	5.1	92	0.00
46	TM	4-Chloroaniline	80.000	81.859	-2.3	99	0.00
47	TM	2,6-Dichlorophenol	80.000	78.015	2.5	92	0.00
48	TCM	Hexachlorobutadiene	80.000	81.711	-2.1	96	0.00
49	TM	Hexachloropropene	80.000	93.858	-17.3	104	0.00
50	TMC	4-Chloro-3-methylphenol	80.000	79.467	0.7	94	0.01
51	TM	N-N-di-n-butylamine	80.000	70.220	12.2	99	0.00

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS773.D
Acq On : 2 Jul 2019 10:24 pm
Operator : JMisiurewicz
Sample : ICV
Misc : Initial Calibration 8270D/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 05 12:06:35 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jul 05 09:32:54 2019
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
52	TM	Caprolactam	80.000	91.313	-14.1	106	0.02
53	TM	p-Phenylenediamine	80.000	51.435	35.7#	87	0.02
54	TM	Safrole	80.000	85.867	-7.3	103	0.00
55	TM	2-Methylnaphthalene	80.000	76.503	4.4	93	0.00
56	TM	1-Methylnaphthalene	80.000	77.160	3.6	92	0.00
57	IR	d10-Acenaphthene	40.000	40.000	0.0	93	0.00
58	TPM	Hexachlorocyclopentadiene	80.000	91.897	-14.9	98	0.00
59	TM	1,2,4,5-Tetrachlorobenzene	80.000	91.940	-14.9	101	0.00
60	TM	1,2,3,4-Tetrachlorobenzene	80.000	90.489	-13.1	94	0.00
61	TCM	2,4,6-Trichlorophenol	80.000	92.803	-16.0	103	0.00
62	TM	2,4,5-Trichlorophenol	80.000	85.363	-6.7	96	0.01
63	S	SURR5,2-FLUOROBIPHENYL	80.000	86.922	-8.7	100	0.00
64	TM	Isosafrole	80.000	83.299	-4.1	93	0.00
65	TM	1,1'-Biphenyl	80.000	84.819	-6.0	95	0.00
66	TM	2-Chloronaphthalene	80.000	75.614	5.5	86	0.00
67	TM	2-Nitroaniline	80.000	86.689	-8.4	94	0.00
68	TM	1,4-Naphthoquinone	80.000	88.352	-10.4	104	0.00
69	TM	m-Dinitrobenzene	80.000	82.949	-3.7	92	0.00
70	TM	Acenaphthylene	80.000	73.584	8.0	83	0.00
71	TM	Dimethyl phthalate	80.000	75.401	5.7	88	0.00
72	TM	2,6-Dinitrotoluene	80.000	80.871	-1.1	93	0.00
73	TMC	Acenaphthene	80.000	71.162	11.0	84	0.00
74	TM	3-Nitroaniline	80.000	83.634	-4.5	92	0.00
75	TPM	2,4-Dinitrophenol	80.000	77.265	3.4	87	0.00
76	TM	Dibenzofuran	80.000	80.534	-0.7	92	0.00
77	TM	2,4-Dinitrotoluene	80.000	85.079	-6.3	92	0.00
78	TMP	4-Nitrophenol	80.000	85.050	-6.3	85	0.01
79	TM	Pentachlorobenzene	80.000	80.981	-1.2	96	0.00
80	TM	1-Napthylamine	80.000	95.110	-18.9	108	0.00
81	TM	2-Napthylamine	80.000	82.768	-3.5	99	0.00
82	TM	2,3,4,6-Tetrachlorophenol	80.000	76.743	4.1	85	0.00
83	TM	Fluorene	80.000	69.441	13.2	82	0.00
84	TM	4-Chlorophenyl-phenylether	80.000	75.465	5.7	90	0.00
85	TM	Diethylphthalate	80.000	75.334	5.8	88	0.00
86	TM	4-Nitroaniline	80.000	84.391	-5.5	92	0.00
87	TM	5-Nitro-o-toluidine	80.000	87.038	-8.8	93	0.00
88	S	SURR3,2,4,6-TRIBROMOPHENOL	80.000	75.882	5.1	91	0.00
89	TM	Sulfotepp	80.000	89.037	-11.3	94	0.00
90	TM	Octachlorocyclopentene	80.000	82.975	-3.7	90	0.00
91	IR	d10-Phenanthrene	40.000	40.000	0.0	89	0.00
92	TM	Thionazin	80.000	86.056	-7.6	94	0.00
93	TM	4,6-Dinitro-2-methylphenol	80.000	77.776	2.8	88	0.00
94	TM	Diphenylamine	160.000	157.621	1.5	96	0.00
95	TM	1,2 Diphenylhydrazine	80.000	79.792	0.3	96	0.00
96	TCM	N-Nitrosodiphenylamine	160.000	157.620	1.5	96	0.00
97	TM	1,3,5-Trinirobenzene	80.000	84.841	-6.1	93	0.01
98	TM	Diallate	80.000	74.532	6.8	90	0.00
99	TM	Phorate	80.000	86.241	-7.8	92	0.00
100	TM	Phenacetin	80.000	85.826	-7.3	92	0.01
101	TM	4-Bromophenyl-phenylether	80.000	72.932	8.8	87	0.00

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\5973A\DATA\070219\
Data File : DS773.D
Acq On : 2 Jul 2019 10:24 pm
Operator : JMisiurewicz
Sample : ICV
Misc : Initial Calibration 8270D/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 05 12:06:35 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270070219A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jul 05 09:32:54 2019
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
102	TM	Hexachlorobenzene	80.000	73.511	8.1	86	0.00
103	TM	Dimethoate	80.000	80.536	-0.7	105	0.01
104	TM	Atrazine	80.000	71.062	11.2	91	0.00
105	TCM	Pentachlorophenol	80.000	92.125	-15.2	99	0.00
106	TM	4-Aminobiphenyl	80.000	84.918	-6.1	94	0.00
107	TM	Pentachloronitrobenzene	80.000	91.027	-13.8	94	0.00
108	TM	Pronamide	80.000	86.823	-8.5	88	0.00
109	TM	Dinoseb	80.000	83.241	-4.1	83	0.00
110	TM	Disulfoton	80.000	75.376	5.8	83	0.00
111	TM	Phenanthrene	80.000	73.528	8.1	82	0.00
112	TM	Anthracene	80.000	73.312	8.4	80	0.00
113	TM	Carbazole	80.000	83.560	-4.5	91	0.00
114	TM	Di-n-butylphthalate	80.000	82.008	-2.5	85	0.00
115	TM	4-Nitroquinonline-1-oxide	80.000	74.767	6.5	71	0.00
116	TCM	Fluoranthene	80.000	74.681	6.6	65	0.00
117	IR	d12-Chrysene	40.000	40.000	0.0	69	0.00
118	TM	Methyl Parathion	80.000	109.024	-36.3#	102	0.00
119	TM	Ethyl Parathion	80.000	101.420	-26.8#	90	0.00
120	TM	Methapyrilene	80.000	53.195	33.5#	52	0.00
121	TM	Isodrin	80.000	87.098	-8.9	77	0.00
122	TM	Benzidine	80.000	93.443	-16.8	73	0.00
123	TM	Pyrene	80.000	81.987	-2.5	65	0.00
124	S	SURR6,TERPHENYL-D14	80.000	84.810	-6.0	70	0.00
125	TM	Aramite	80.000	93.595	-17.0	74	0.06
126	TM	p-(Dimethylamino)azobenzene	80.000	92.078	-15.1	74	0.00
127	TM	Chlorobenzilate	80.000	93.604	-17.0	76	0.00
128	TM	Butyl benzyl phthalate	80.000	85.549	-6.9	70	0.00
129	TM	3,3-Dimethylbenzidine	80.000	89.496	-11.9	72	0.00
130	TM	2-Acetylaminofluorene	80.000	93.680	-17.1	74	0.00
131	TM	3,3'-Dichlorobenzidine	80.000	86.285	-7.9	72	0.00
132	TM	Benzo(a)anthracene	80.000	74.891	6.4	64	0.00
133	TM	Chrysene	80.000	73.948	7.6	63	0.00
134	TM	bis(2-Ethylhexyl)phthalate	80.000	84.254	-5.3	70	0.00
135	IR	d12-Perylene	40.000	40.000	0.0	74	0.00
136	TCM	Di-n-octyl phthalate	80.000	81.065	-1.3	68	0.00
137	TM	7,12-Dimethylbenz(a)anthrac	80.000	79.466	0.7	74	0.00
138	TM	Benzo(b)Fluoranthene	80.000	76.879	3.9	71	0.01
139	TM	Benzo(k)fluoranthene	80.000	78.715	1.6	74	0.00
140	TCM	Benzo(a)pyrene	80.000	76.118	4.9	66	0.01
141	TM	3-Methylcholanthrene	80.000	84.463	-5.6	71	0.00
142	TM	Indeno(1,2,3-cd)Pyrene	80.000	81.612	-2.0	71	0.01
143	TM	Dibenz(a,h)anthracene	80.000	77.669	2.9	66	0.00
144	TM	Benzo(g,h,i)perylene	80.000	82.131	-2.7	68	0.01

(#) = Out of Range SPCC's out = 0 CCC's out = 0

ALS Group USA, Corp.

DBA ALS Environmetal

QC/QC Report

Date Analyzed: 7/2/19 17:16

ICAL Tune Summary

Semi Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5973A\DATA\070219\DS762.D Analytical Method: 8270D

Instrument ID: R-MS-51

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Results Pass/Fail
51	198	10	80	53.4	27389	PASS
68	69	0	2	1.4	381	PASS
69	198	0	100	53.6	27486	PASS
70	69	0	2	0.4	100	PASS
127	198	10	80	55.6	28544	PASS
197	198	0	2	0.0	0	PASS
198	198	100	100	100.0	51315	PASS
199	198	5	9	7.7	3930	PASS
275	198	10	60	27.8	14275	PASS
365	198	1	100	3.5	1816	PASS
441	442	0.01	24	18.0	12827	PASS
442	442	100	100	100.0	71208	PASS
443	442	15	24	19.2	13705	PASS

Sample Name	Lab Code	File ID:	Date Analyzes:	Q
BLK	BLK	I:\ACQUDATA\5973A\DATA\070219\DS763.D	7/2/19 17:37	
1 ppm STD	1 ppm STD	I:\ACQUDATA\5973A\DATA\070219\DS764.D	7/2/19 18:05	
2.5 ppm STD	2.5 ppm STD	I:\ACQUDATA\5973A\DATA\070219\DS765.D	7/2/19 18:34	
5.0 ppm STD	5.0 ppm STD	I:\ACQUDATA\5973A\DATA\070219\DS766.D	7/2/19 19:03	
10 ppm STD	10 ppm STD	I:\ACQUDATA\5973A\DATA\070219\DS767.D	7/2/19 19:31	
50 ppm STD	50 ppm STD	I:\ACQUDATA\S973A\DATA\070219\DS768.D	7/2/19 20:00	
80 ppm STD	80 ppm STD	I:\ACQUDATA\S973A\DATA\070219\DS769.D	7/2/19 20:28	
100 ppm STD	100 ppm STD	I:\ACQUDATA\5973A\DATA\070219\DS770.D	7/2/19 20:57	
120 ppm STD	120 ppm STD	I:\ACQUDATA\5973A\DATA\070219\DS771.D	7/2/19 21:26	
160 ppm STD	160 ppm STD	I:\ACQUDATA\5973A\DATA\070219\DS772.D	7/2/19 21:54	
ICV	ICV	I:\ACQUDATA\5973A\DATA\070219\DS773.D	7/2/19 22:24	

Analysis: 7/2/19	**Analyst:** DMJ/JWW	**Run Method:** 8270/TNM	
Date:	**Instr.** 5973A R-MS-51	**Quant Method:**	
Syringes:	**LIMS Run#:**		

Pos.	Sample	Diln.	Stds. ID	File#	OK?	Comments
1	BLK			D5755	—	
2	Tune			59	(N)	
2	Tune			60	Y	
3	CCV			61	(N)	change column & recalibrate
2	Tune		198691	62	Y	
3	BLK			63	Y	
4	1 ppm SSD		200817	64	Y	
5	2.5		TP	65	Y	
4	5.0		19	66	Y	
7	10		20	67	Y	
8	50		21	68	Y	
9	80		22	69	Y	
10	100		23	70	Y	
11	120		24	71	Y	
12	160		25	72	Y	
13	ICV		26	73	Y	

8270072419A.D
8270072419A5.M
RC190702-7L

DM 7/3/19

All samples = _____mL + _____uL Combined IS/Surr.;

Primary :_____ exp: Secondary :_____ exp:

Primary:_____ exp: Secondary :_____ exp:

Reagents:

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR849.D
Acq On : 30 Apr 2019 3:07 pm
Operator : JMisiurewicz
Sample : ICV #2
Misc : Initial Calibration 8270/625
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 01 09:47:54 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration

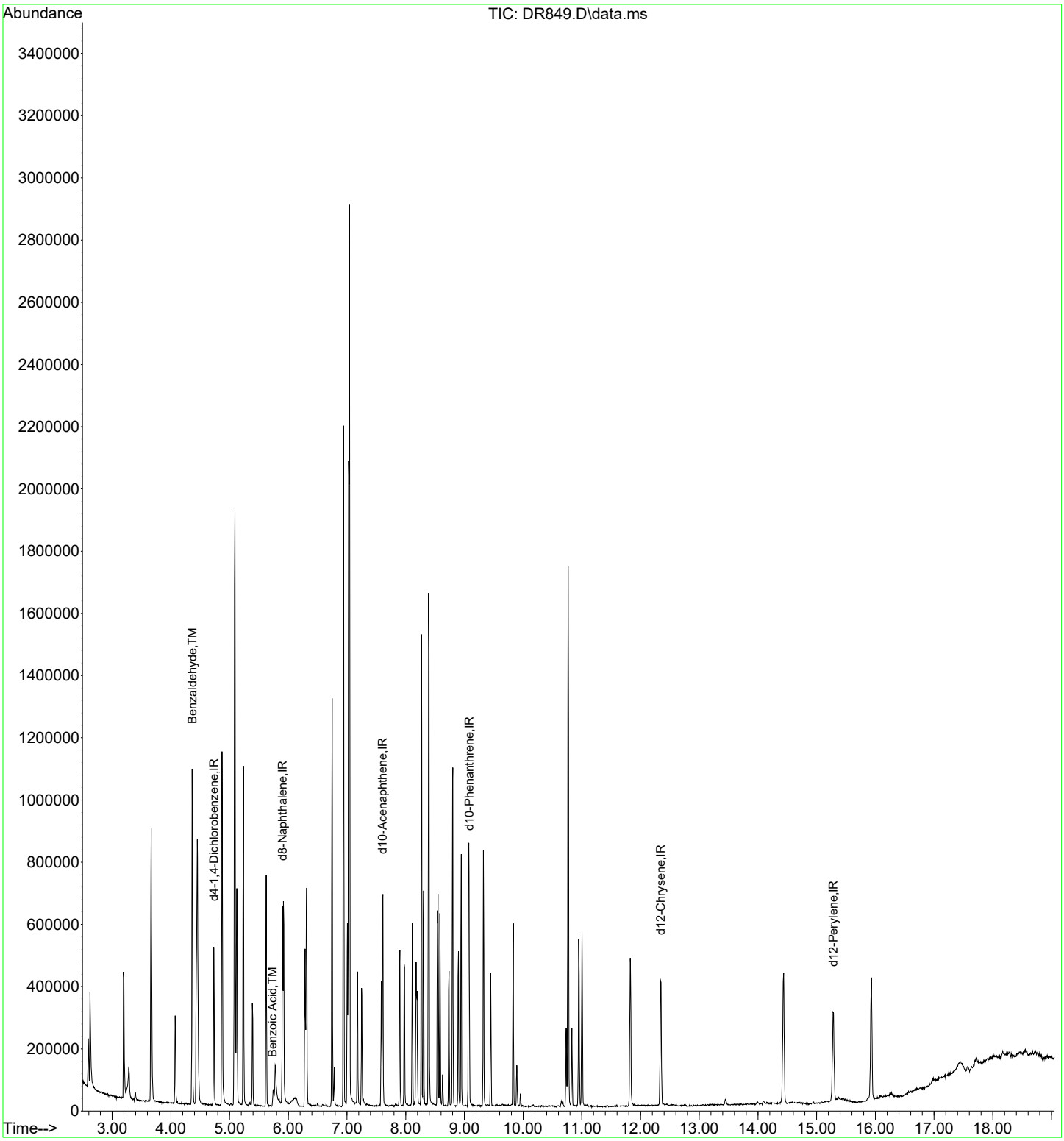
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.732	152	75760	40.00	ppm	0.00
33) d8-Naphthalene	5.901	136	298754	40.00	ppm	0.00
57) d10-Acenaphthene	7.605	164	141156	40.00	ppm	0.00
91) d10-Phenanthrene	9.079	188	204774	40.00	ppm	0.00
117) d12-Chrysene	12.343	240	188234	40.00	ppm	-0.01
135) d12-Perylene	15.280	264	175777	40.00	ppm	-0.01
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	0.000	112	0d	0.00	ppm	
Spiked Amount 100.000	Range 10 - 70		Recovery =	0.00%#		
12) SURR2,PHENOL-D6	0.000	99	0d	0.00	ppm	
Spiked Amount 100.000	Range 10 - 107		Recovery =	0.00%#		
34) SURR4,NITROBENZENE-D5	0.000	82	0d	0.00	ppm	
Spiked Amount 50.000	Range 31 - 110		Recovery =	0.00%#		
63) SURR5,2-FLUOROBIPHENYL	0.000	172	0d	0.00	ppm	
Spiked Amount 50.000	Range 31 - 118		Recovery =	0.00%#		
88) SURR3,2,4,6-TRIBROMOPH...	0.000	330	0d	0.00	ppm	
Spiked Amount 100.000	Range 35 - 141		Recovery =	0.00%#		
124) SURR6,TERPHENYL-D14	0.000	244	0d	0.00	ppm	
Spiked Amount 50.000	Range 10 - 165		Recovery =	0.00%#		
Target Compounds						Qvalue
10) Benzaldehyde	4.363	106	214050	110.451	ppm	99
41) Benzoic Acid	5.730	105	9800m	22.984	ppm	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR849.D
Acq On : 30 Apr 2019 3:07 pm
Operator : JMisiurewicz
Sample : ICV #2
Misc : Initial Calibration 8270/625
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 01 09:47:54 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration

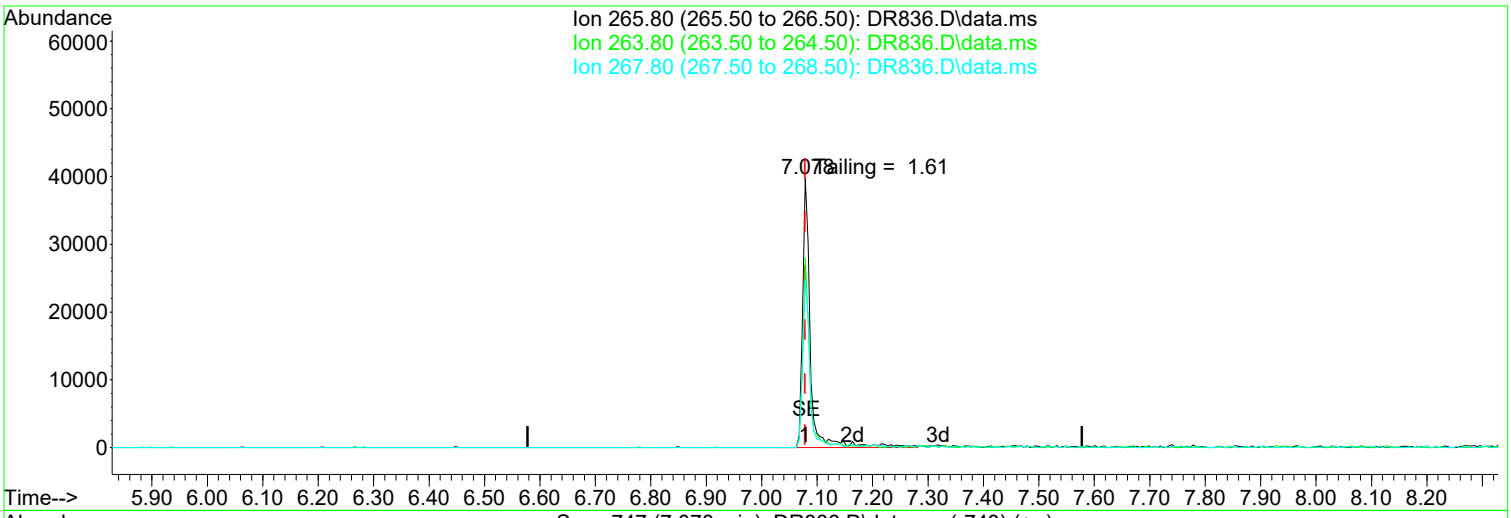


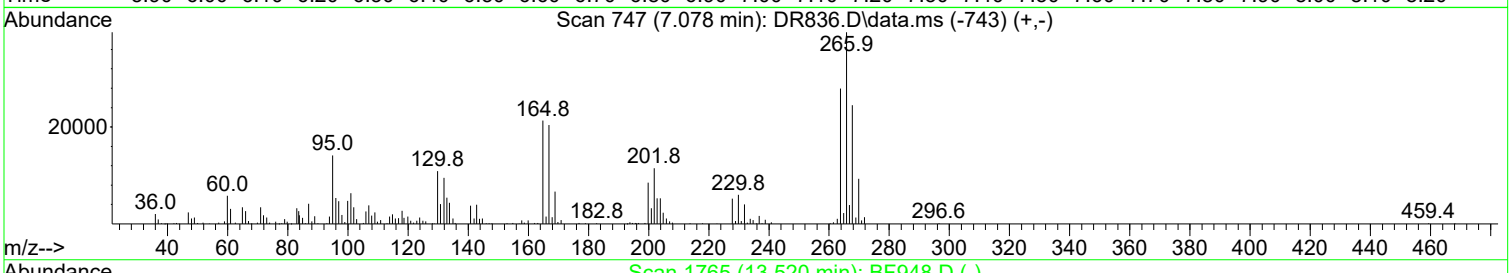
1st JM 05/01/19
2nd BA 05/01/19

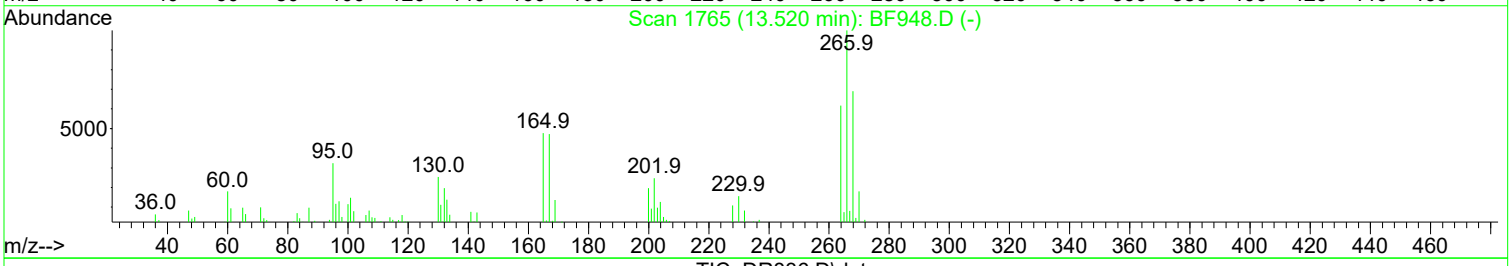
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR836.D
Acq On : 30 Apr 2019 8:01 am
Operator : JMisiurewicz
Sample : TUNE
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 08:04:12 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Wed May 01 08:03:48 2019
Response via : Initial Calibration







TIC: DR836.D\data.ms

(5) Pentachlorophenol (TCM)

7.078min (0.000) 50.00 ppm

response 36430

Ion	Exp%	Act%
265.80	100.00	100.00
263.80	63.50	70.63
267.80	64.20	61.87
0.00	0.00	0.00

Manual Integration:

After

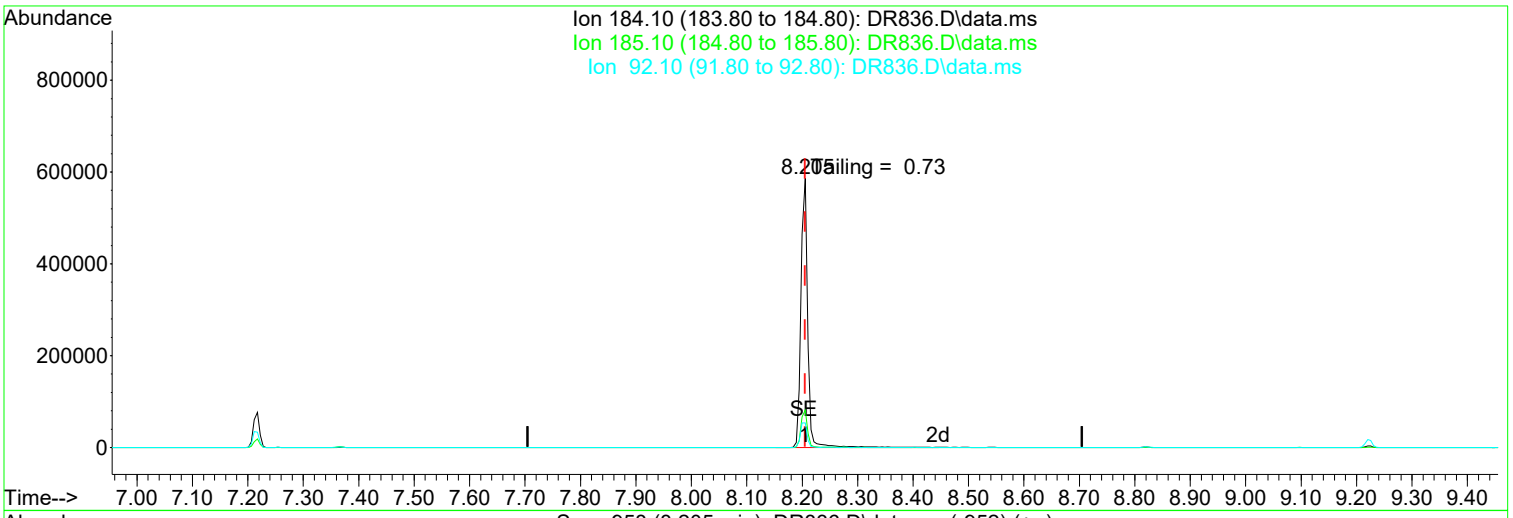
Other - Tailing

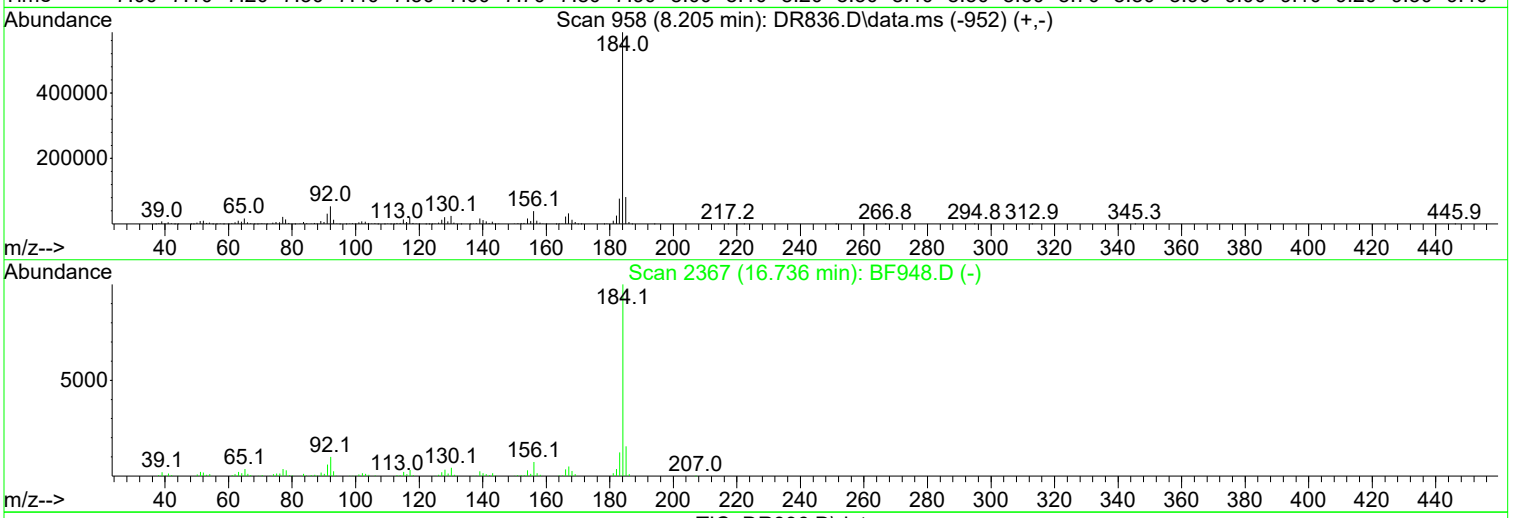
05/01/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR836.D
Acq On : 30 Apr 2019 8:01 am
Operator : JMisiurewicz
Sample : TUNE
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 08:04:12 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Wed May 01 08:03:48 2019
Response via : Initial Calibration





TIC: DR836.D\data.ms

(8) Benzidine (T)

8.205min (0.000) 50.00 ppm

response 490286

Ion	Exp%	Act%
184.10	100.00	100.00
185.10	14.80	13.97
92.10	10.10	9.18
0.00	0.00	0.00

Manual Integration:

After

Other - Tailing

05/01/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR836.D
Acq On : 30 Apr 2019 8:01 am
Operator : JMisiurewicz
Sample : TUNE
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 08:04:12 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Wed May 01 08:03:48 2019
Response via : Initial Calibration

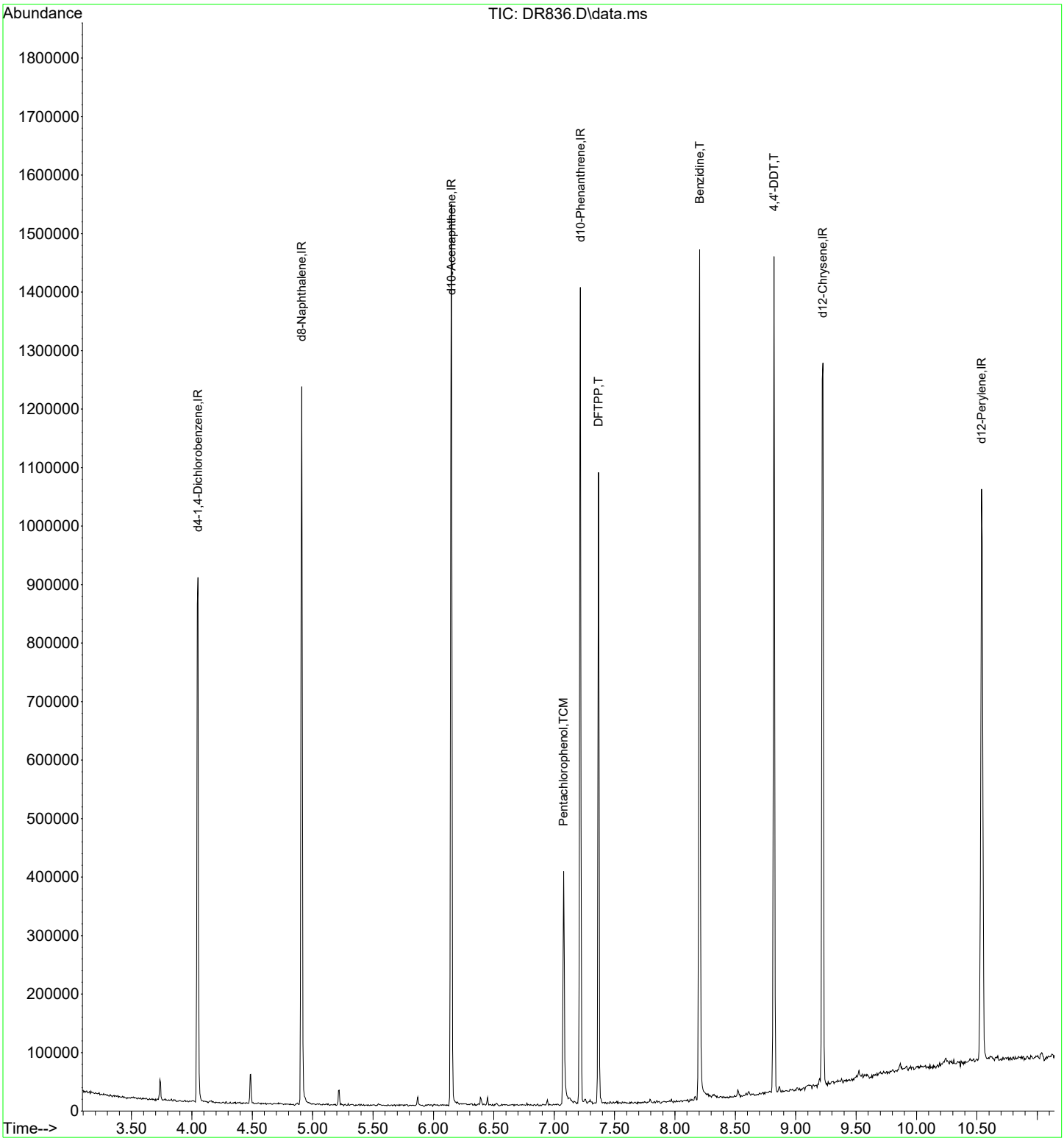
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.050	152	127514	40.00	ppm		0.00
2) d8-Naphthalene	4.910	136	472511	40.00	ppm		0.00
3) d10-Acenaphthene	6.149	164	249171	40.00	ppm		0.00
4) d10-Phenanthrene	7.217	188	397699	40.00	ppm		0.00
7) d12-Chrysene	9.225	240	361333	40.00	ppm		0.00
12) d12-Perylene	10.539	264	366094	40.00	ppm		0.00
Target Compounds							Qvalue
5) Pentachlorophenol	7.078	266	36430	50.000	ppm		94
6) DFTPP	7.367	198	77564	50.000	ppm	#	60
8) Benzidine	8.205	184	490286	50.000	ppm		98
9) 4,4'-DDE	7.367	246	1344	N.D.			
10) 4,4'-DDD	8.611	235	1155	N.D.			
11) 4,4'-DDT	8.819	235	194425	50.000	ppm		92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR836.D
Acq On : 30 Apr 2019 8:01 am
Operator : JMisiurewicz
Sample : TUNE
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 08:04:12 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Wed May 01 08:03:48 2019
Response via : Initial Calibration

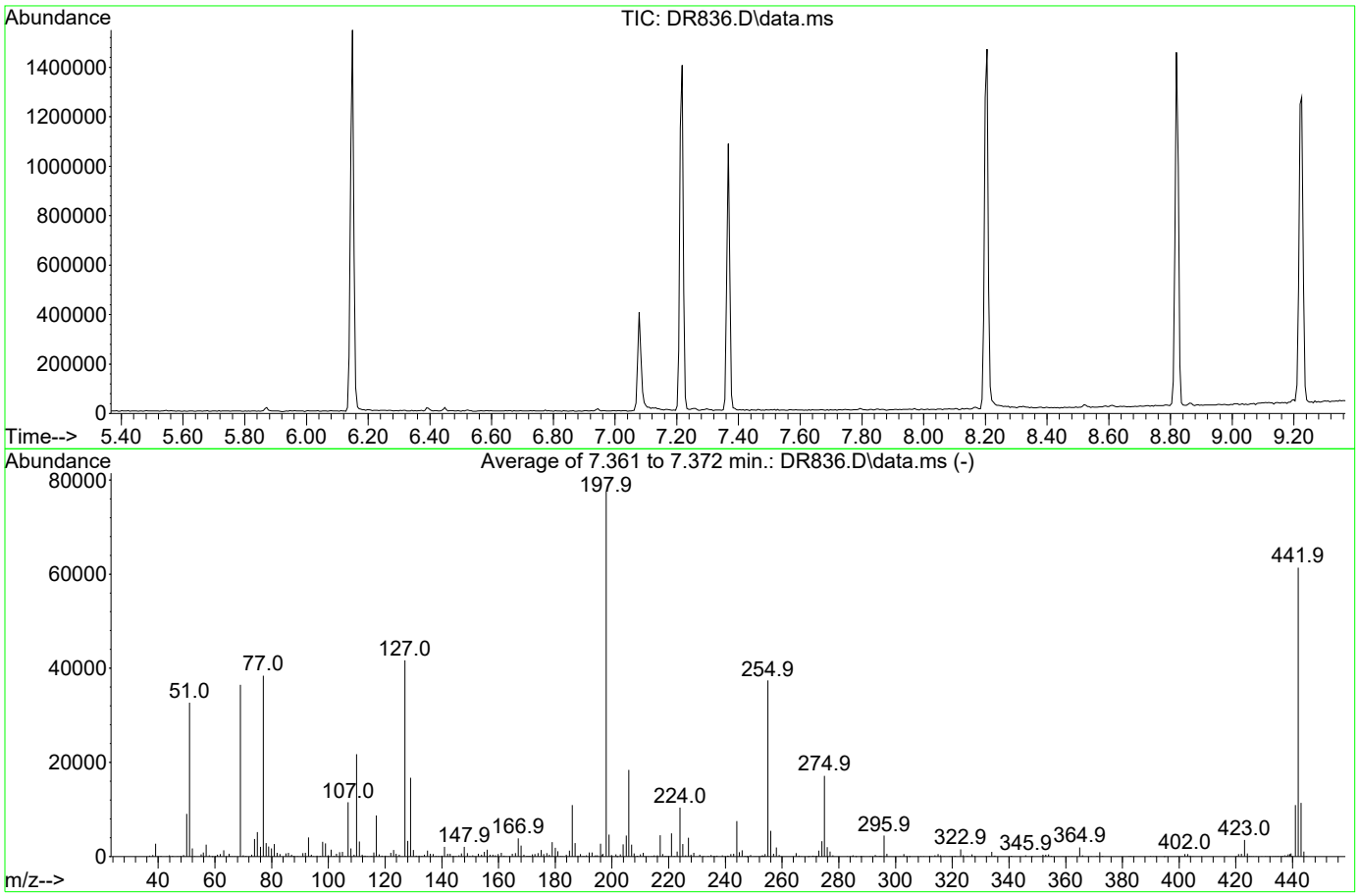


1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR836.D
Acq On : 30 Apr 2019 8:01 am
Operator : JMisiurewicz
Sample : TUNE
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\5973A\METHODS\TUNCHECK.M
Title : TUNE CHECK
Last Update : Wed Oct 03 16:33:08 2012



AutoFind: Scans 800, 801, 802; Background Corrected with Scan 793

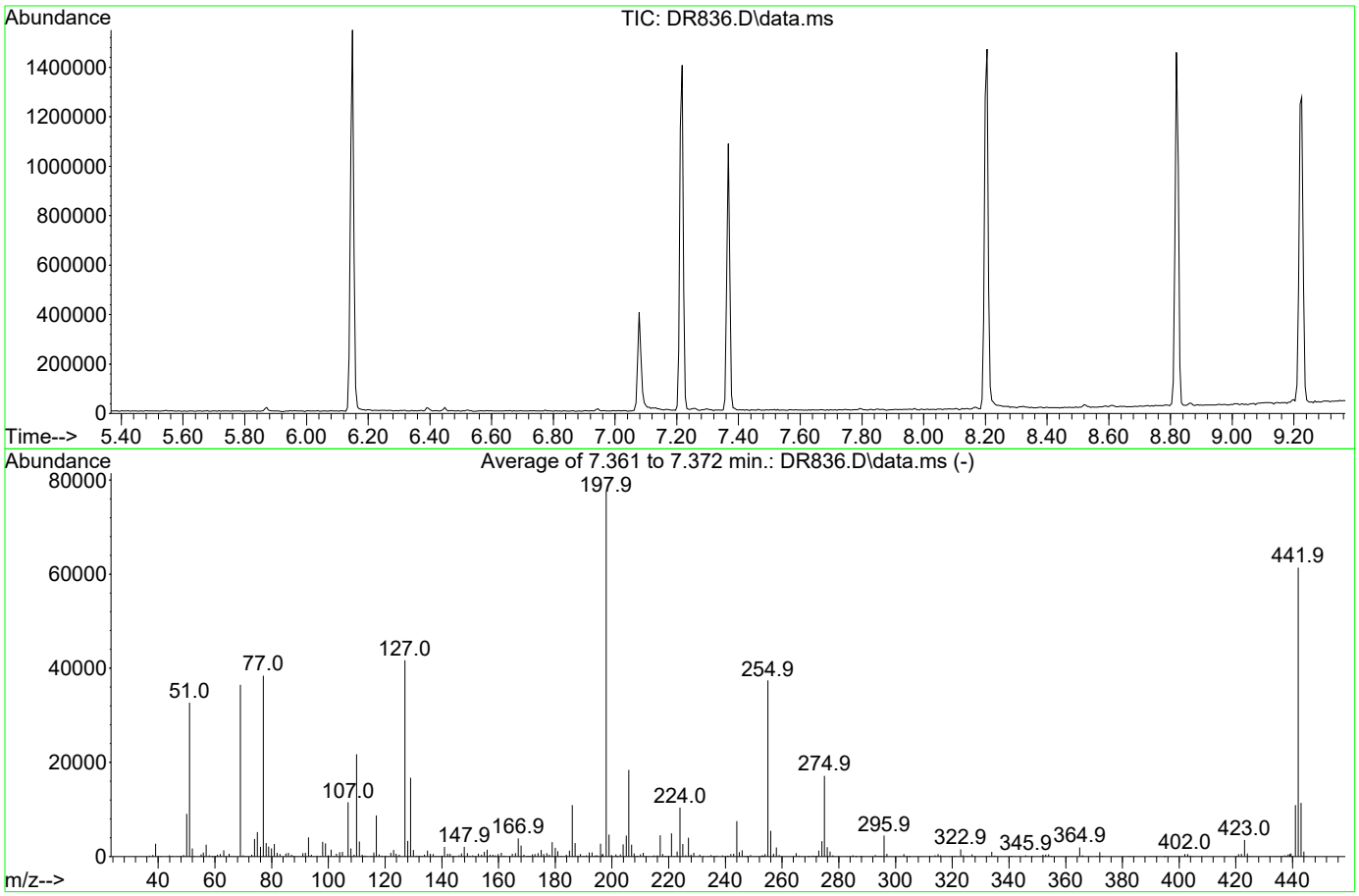
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	42.1	32694	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	47.0	36473	PASS
70	69	0.00	2	0.8	285	PASS
127	198	40	60	53.7	41683	PASS
197	198	0.00	1	0.8	623	PASS
198	198	100	100	100.0	77571	PASS
199	198	5	9	6.1	4703	PASS
275	198	10	30	22.1	17145	PASS
365	198	1	500	2.5	1971	PASS
441	443	0.01	100	95.6	10928	PASS
442	198	50	500	79.1	61379	PASS
443	442	17	23	18.6	11428	PASS

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR836.D
Acq On : 30 Apr 2019 8:01 am
Operator : JMisiurewicz
Sample : TUNE
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Title : TUNE CHECK
Last Update : Wed May 01 08:03:48 2019



AutoFind: Scans 800, 801, 802; Background Corrected with Scan 793

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	42.1	32694	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	47.0	36473	PASS
70	69	0.00	2	0.8	285	PASS
127	198	10	80	53.7	41683	PASS
197	198	0.00	2	0.8	623	PASS
198	198	100	100	100.0	77571	PASS
199	198	5	9	6.1	4703	PASS
275	198	10	60	22.1	17145	PASS
365	198	1	500	2.5	1971	PASS
441	442	0.01	24	17.8	10928	PASS
442	442	100	100	100.0	61379	PASS
443	442	15	24	18.6	11428	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR838.D
Acq On : 30 Apr 2019 9:12 am
Operator : JMisiurewicz
Sample : BLK
Misc : Initial Calibration 8270/625
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 01 11:05:54 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.736	152	108718	40.00	ppm	0.00
33) d8-Naphthalene	5.900	136	409285	40.00	ppm	0.00
57) d10-Acenaphthene	7.609	164	209821	40.00	ppm	0.00
91) d10-Phenanthrene	9.083	188	331611	40.00	ppm	0.00
117) d12-Chrysene	12.352	240	296997	40.00	ppm	0.00
135) d12-Perylene	15.295	264	302062	40.00	ppm	0.00
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	0.000	112	0	0.00	ppm	
Spiked Amount 100.000	Range 10 - 70		Recovery =	0.00%#		
12) SURR2,PHENOL-D6	0.000	99	0	0.00	ppm	
Spiked Amount 100.000	Range 10 - 107		Recovery =	0.00%#		
34) SURR4,NITROBENZENE-D5	5.238	82	161	0.04	ppm	0.00
Spiked Amount 50.000	Range 31 - 110		Recovery =	0.08%#		
63) SURR5,2-FLUOROBIPHENYL	0.000	172	0	0.00	ppm	
Spiked Amount 50.000	Range 31 - 118		Recovery =	0.00%#		
88) SURR3,2,4,6-TRIBROMOPH...	0.000	330	0	0.00	ppm	
Spiked Amount 100.000	Range 35 - 141		Recovery =	0.00%#		
124) SURR6,TERPHENYL-D14	10.776	244	163	0.02	ppm	0.00
Spiked Amount 50.000	Range 10 - 165		Recovery =	0.04%#		

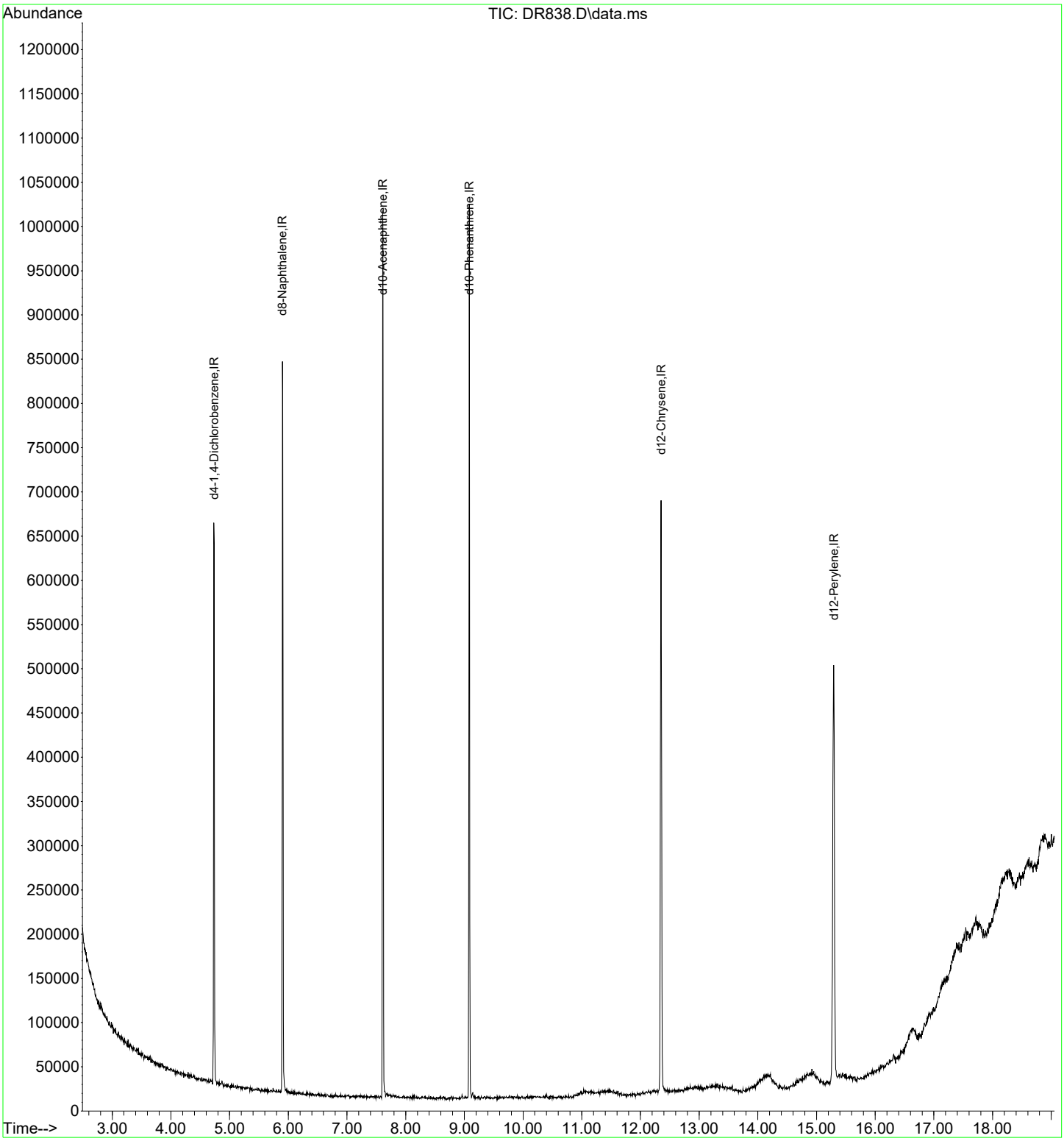
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR838.D
Acq On : 30 Apr 2019 9:12 am
Operator : JMisiurewicz
Sample : BLK
Misc : Initial Calibration 8270/625
ALS Vial : 4 Sample Multiplier: 1

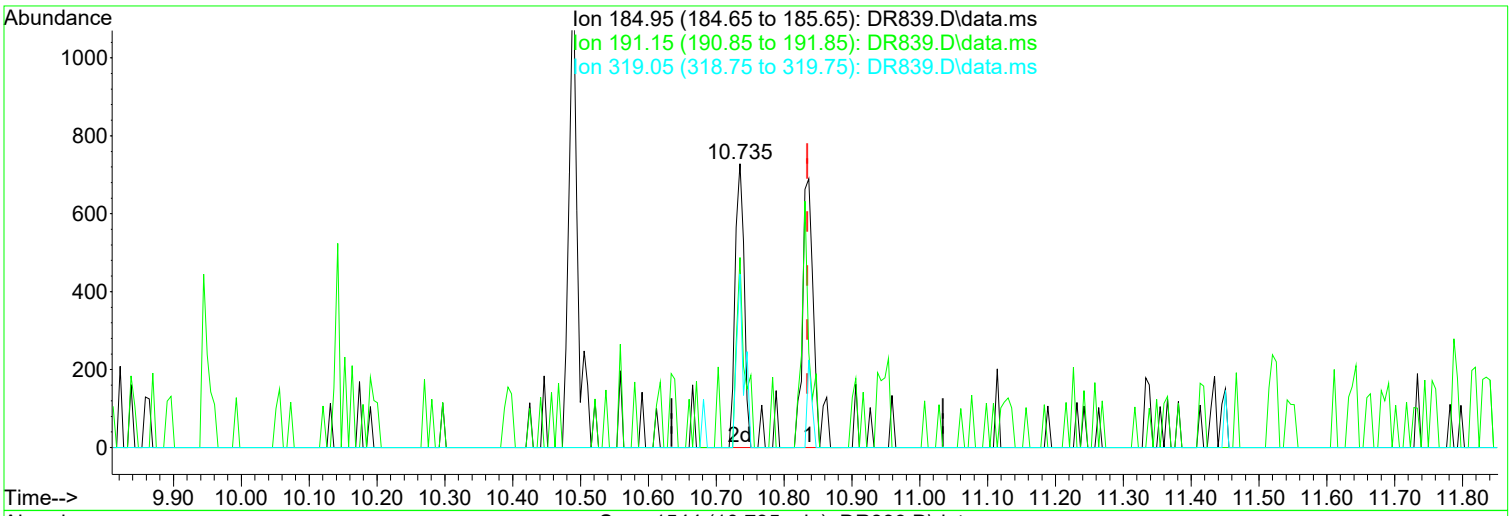
Quant Time: May 01 11:05:54 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration

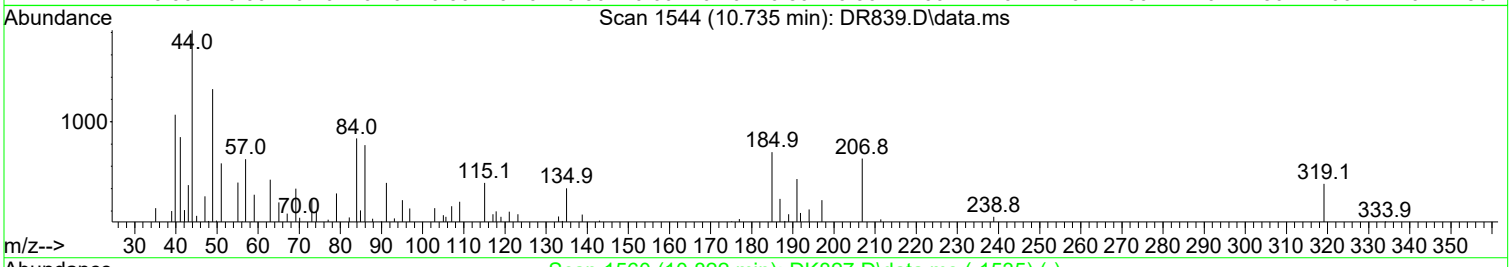


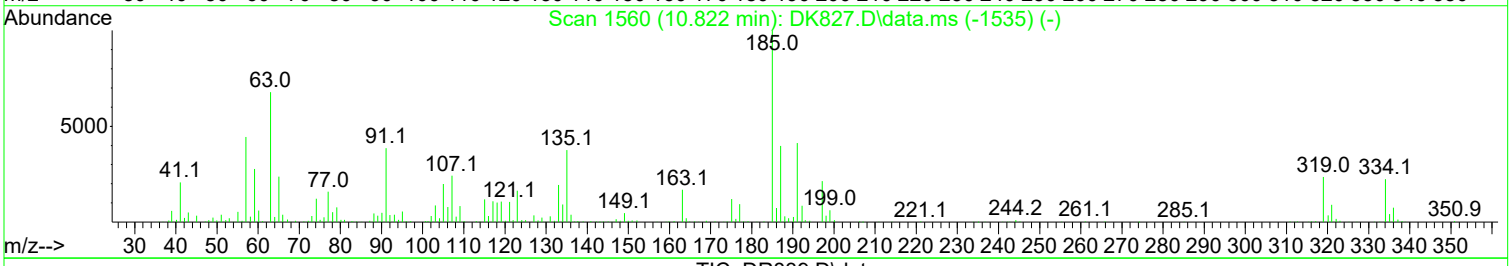
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR839.D\data.ms

(125) Aramite (TM)

10.735min (-0.100) 1.05 ppm m

response 1552

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	67.03
319.05	16.80	61.13#
0.00	0.00	0.00

Manual Integration:

After

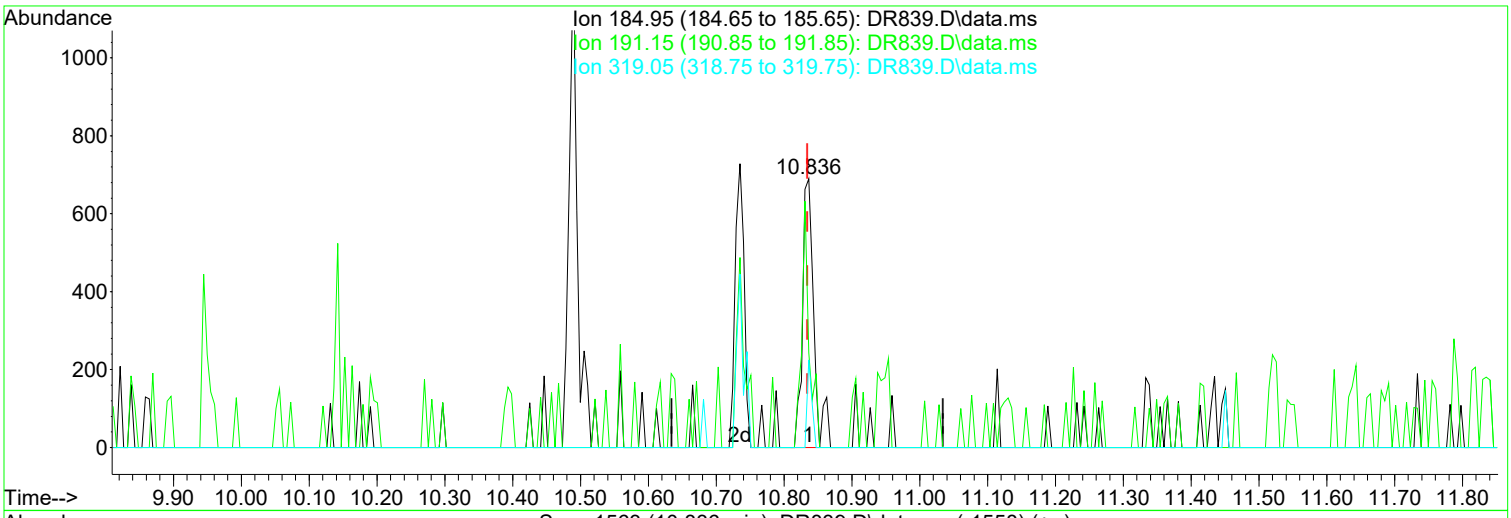
Split Peak.

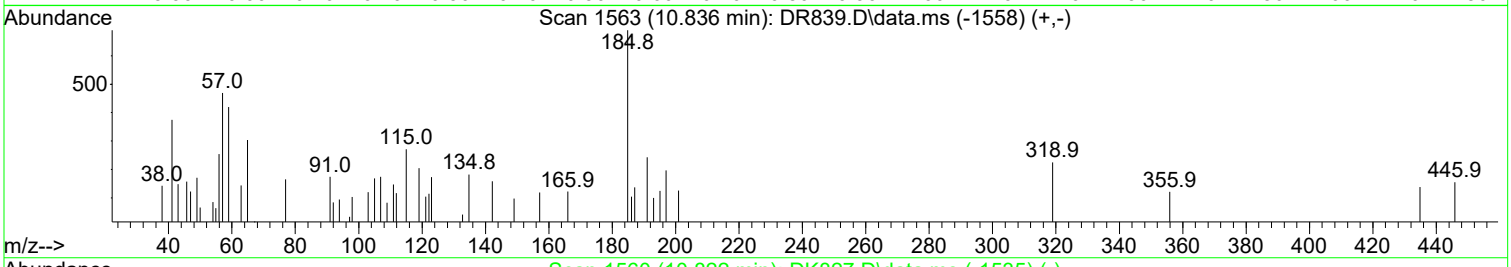
05/01/19

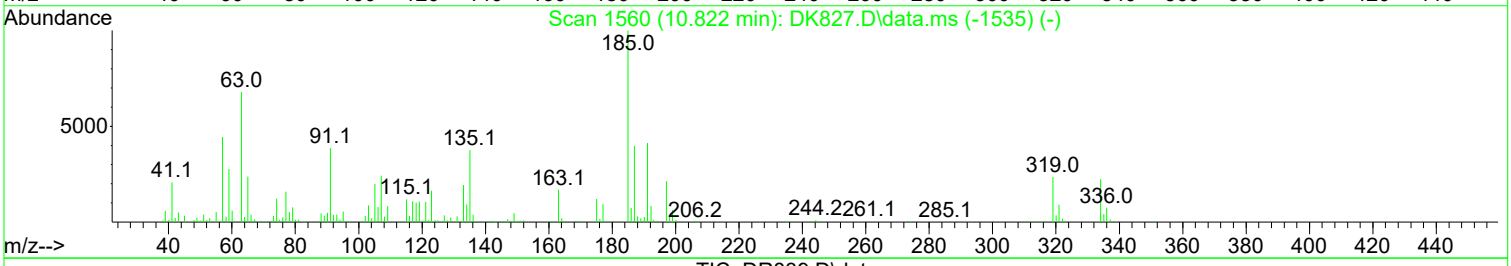
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR839.D\data.ms

(125) Aramite (TM)

10.836min (+ 0.001) 0.49 ppm

response 724

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	35.22
319.05	16.80	24.64
0.00	0.00	0.00

Manual Integration:

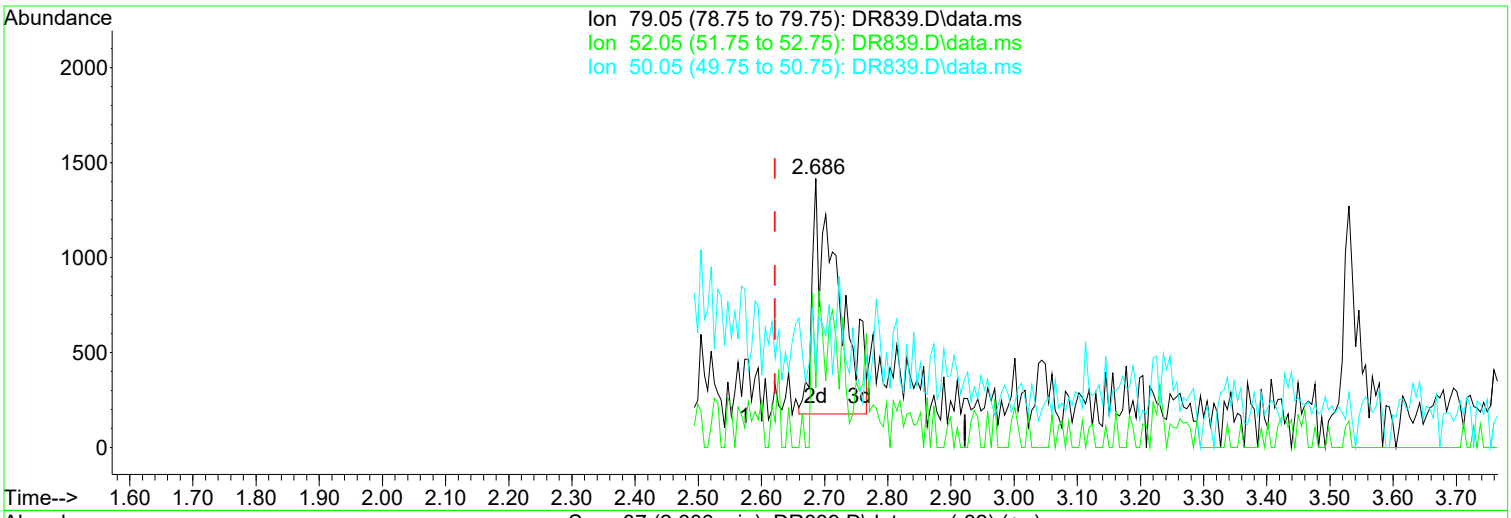
Before

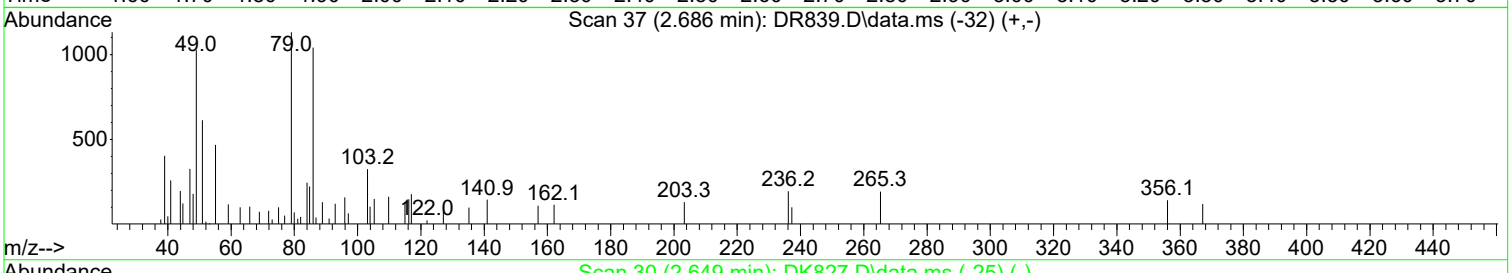
05/01/19

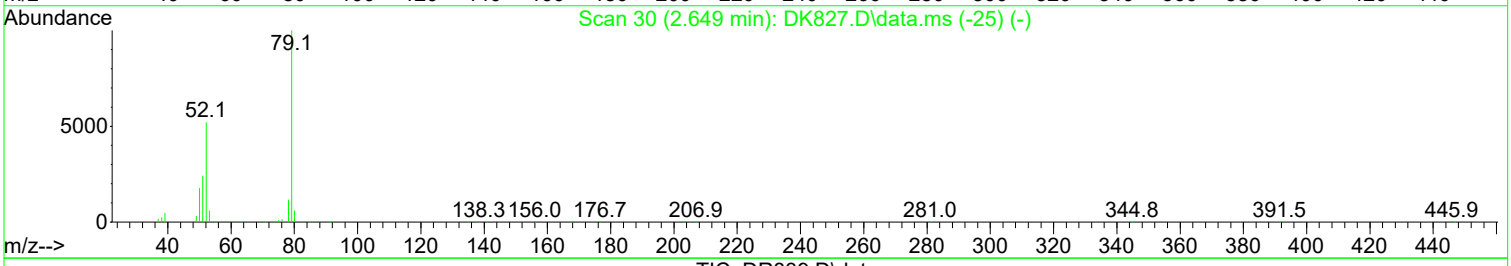
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR839.D\data.ms

(2) Pyridine (TM)

2.686min (+ 0.064) 0.83 ppm m

response 3564

Ion	Exp%	Act%
79.05	100.00	100.00
52.05	60.40	22.25#
50.05	24.10	28.18
0.00	0.00	0.00

Manual Integration:

After

Peak not found.

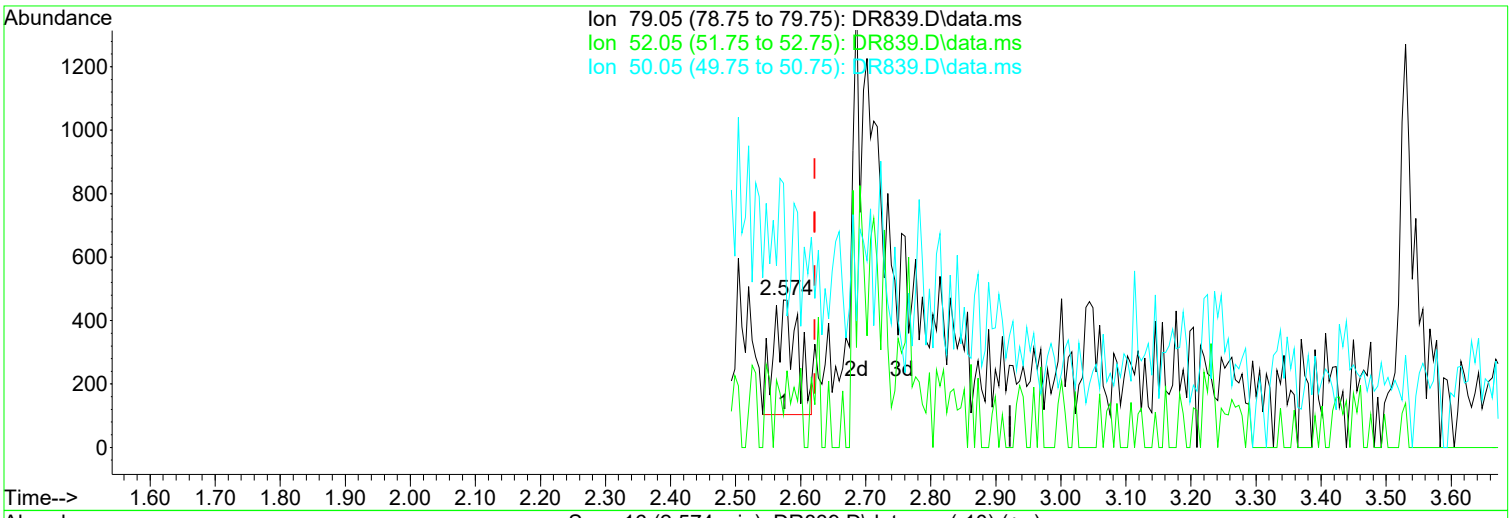
05/01/19

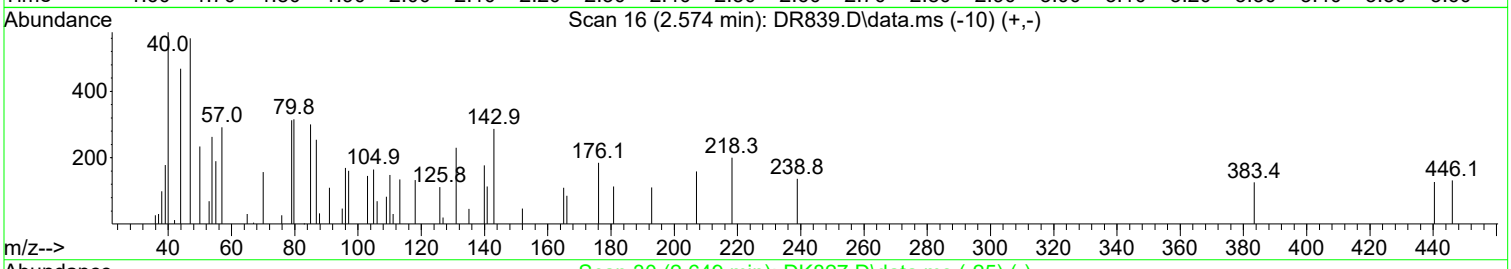
1st DM 05/01/19
2nd BA 05/01/19

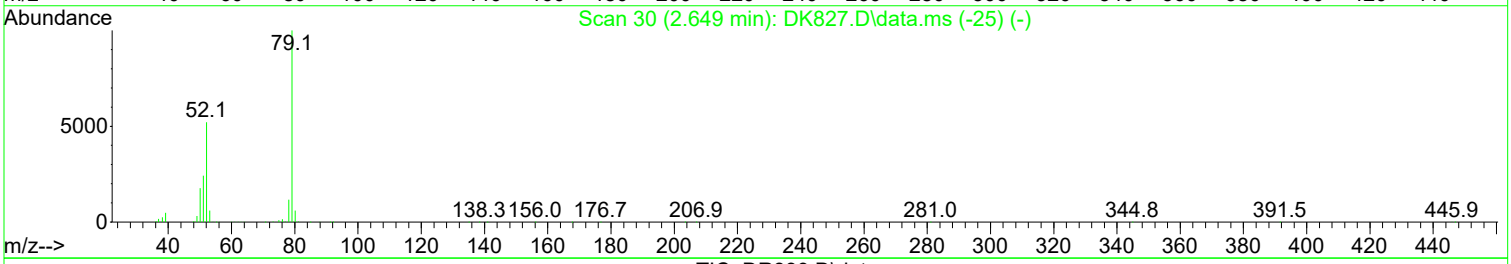
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR839.D\data.ms

(2) Pyridine (TM)

2.574min (-0.048) 0.22 ppm

response 921

Ion	Exp%	Act%
79.05	100.00	100.00
52.05	60.40	0.00#
50.05	24.10	37.28
0.00	0.00	0.00

Manual Integration:

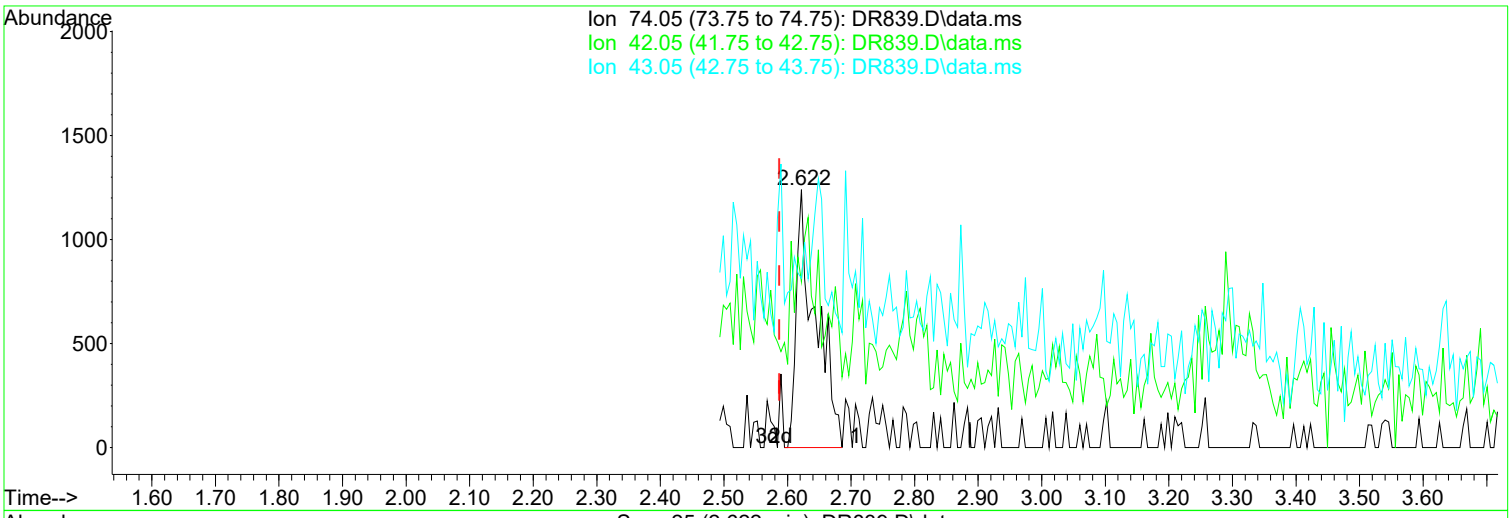
Before

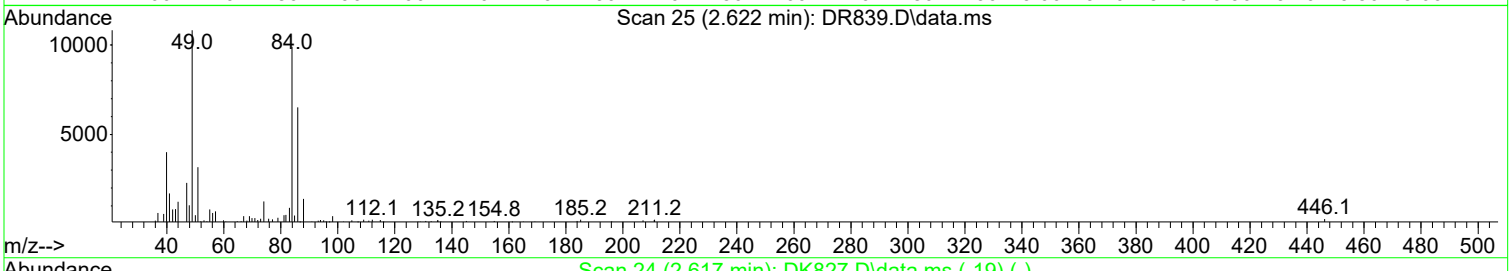
05/01/19

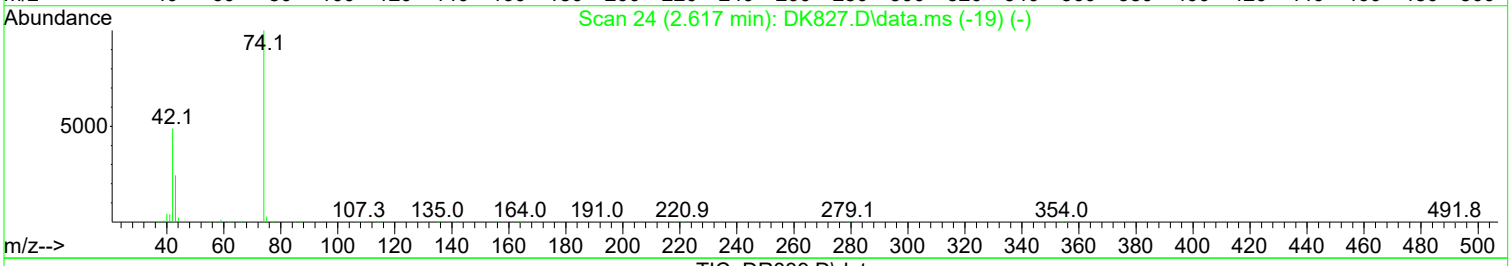
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR839.D\data.ms

(3) N-Nitrosodimethylamine (TM)

2.622min (+ 0.034) 1.01 ppm m

response 2622

Ion	Exp%	Act%
74.05	100.00	100.00
42.05	71.90	64.33
43.05	28.80	65.62#
0.00	0.00	0.00

Manual Integration:

After

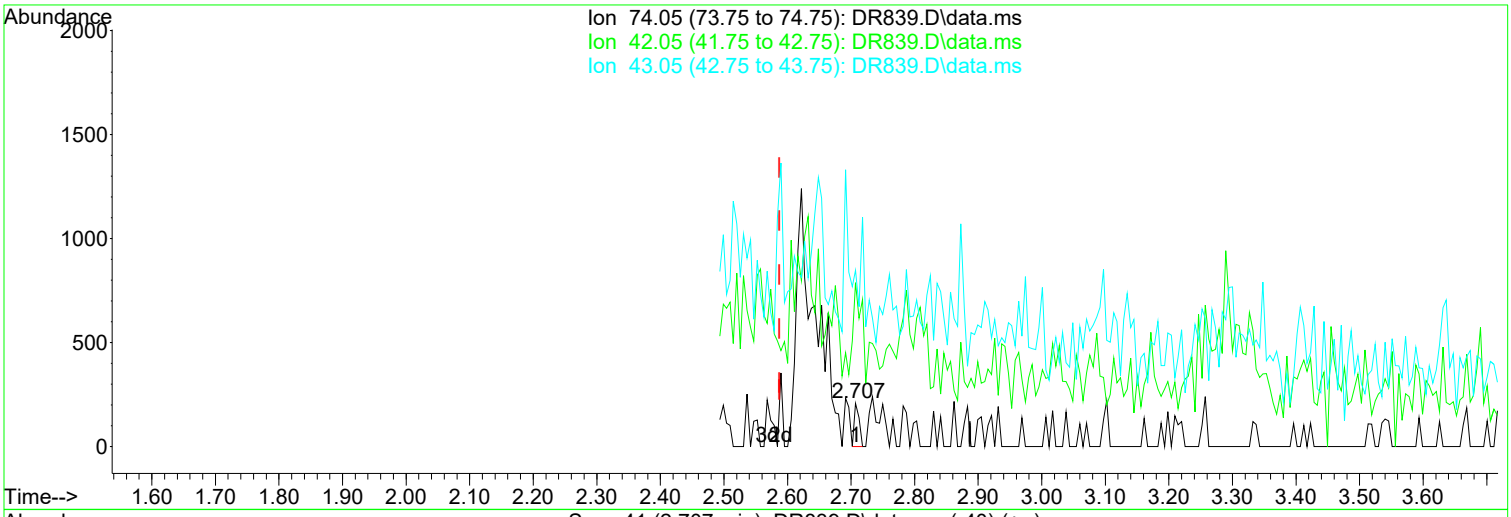
Peak not found.

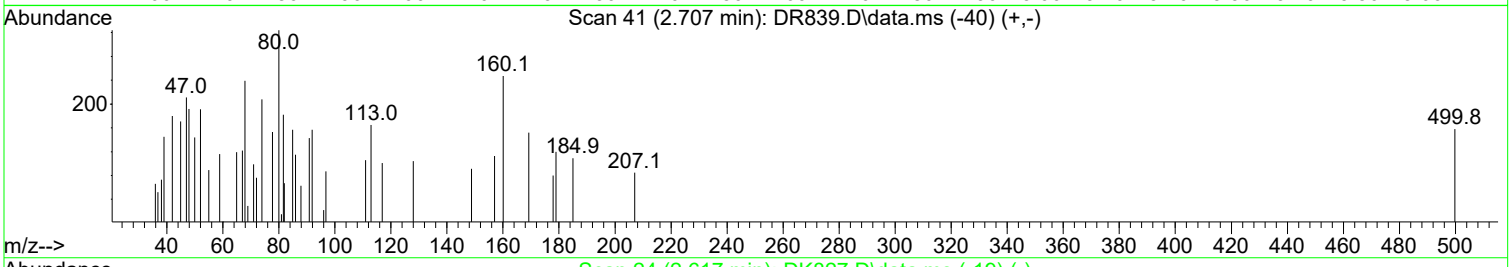
05/01/19

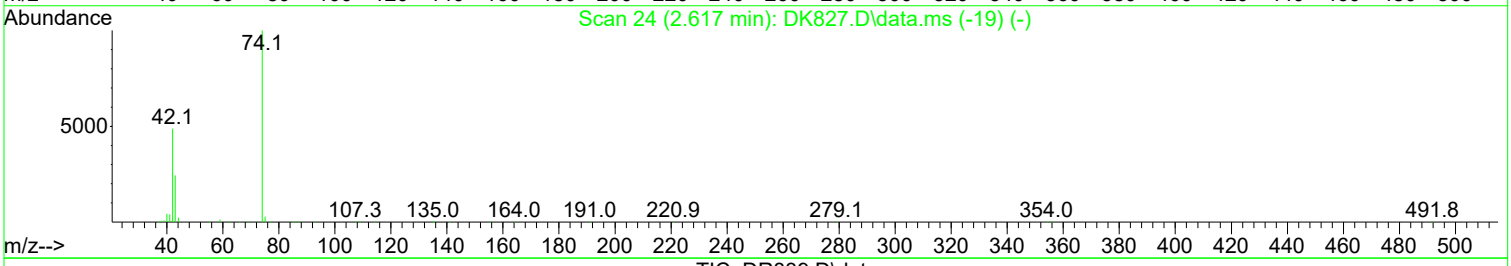
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR839.D\data.ms

(3) N-Nitrosodimethylamine (TM)

2.707min (+ 0.120) 0.04 ppm

response 111

Ion	Exp%	Act%
74.05	100.00	100.00
42.05	71.90	86.78
43.05	28.80	0.00
0.00	0.00	0.00

Manual Integration:

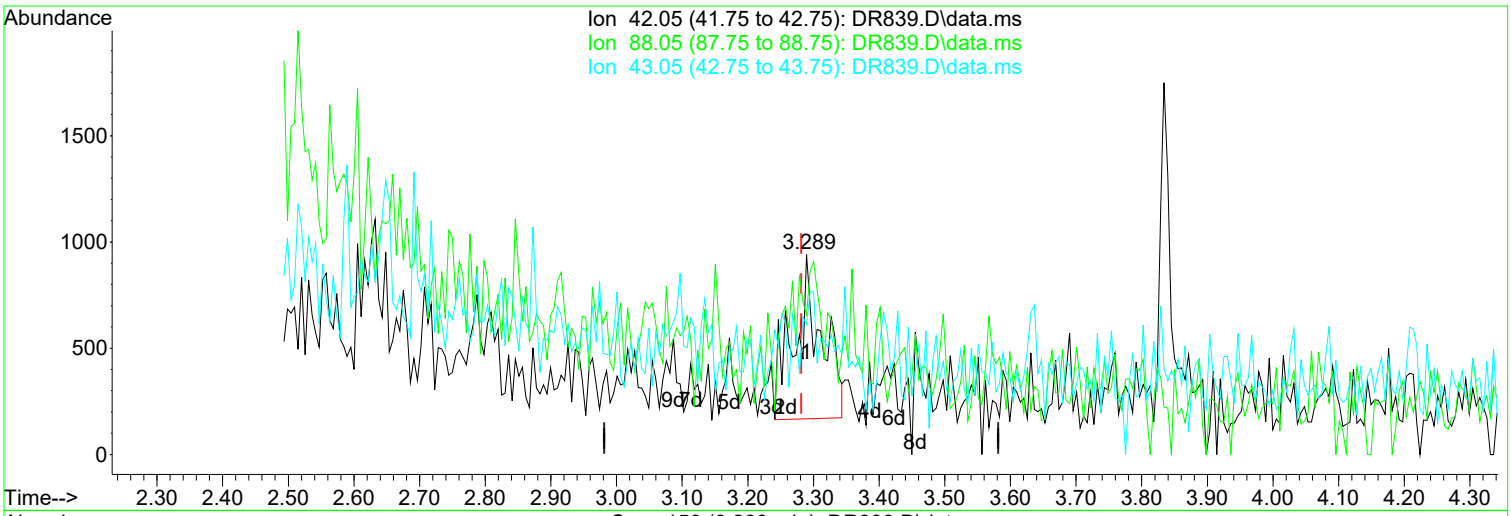
Before

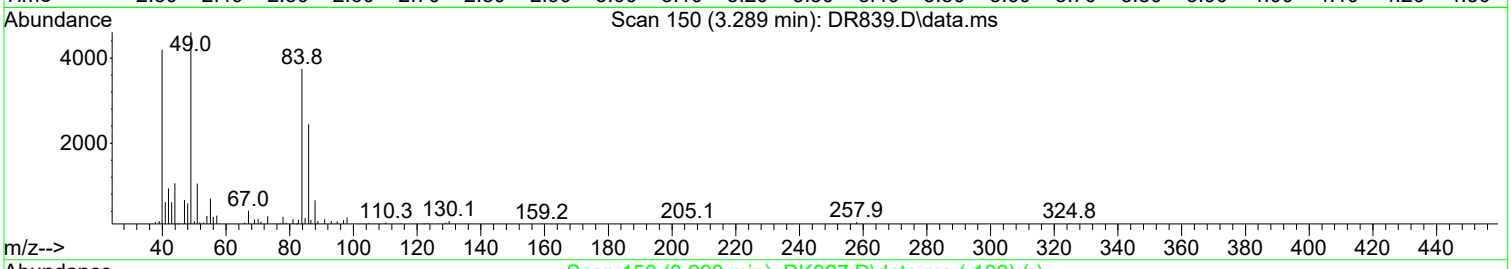
05/01/19

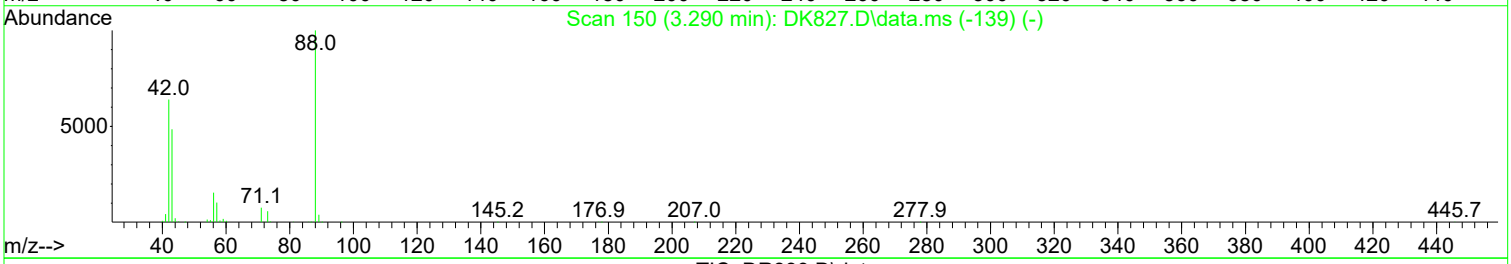
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR839.D\data.ms

(5) N-Nitrosomethylamine (TM)

3.289min (+ 0.008) 1.24 ppm m

response 2237

Ion	Exp%	Act%
42.05	100.00	100.00
88.05	115.80	69.93#
43.05	73.90	64.93
0.00	0.00	0.00

Manual Integration:

After

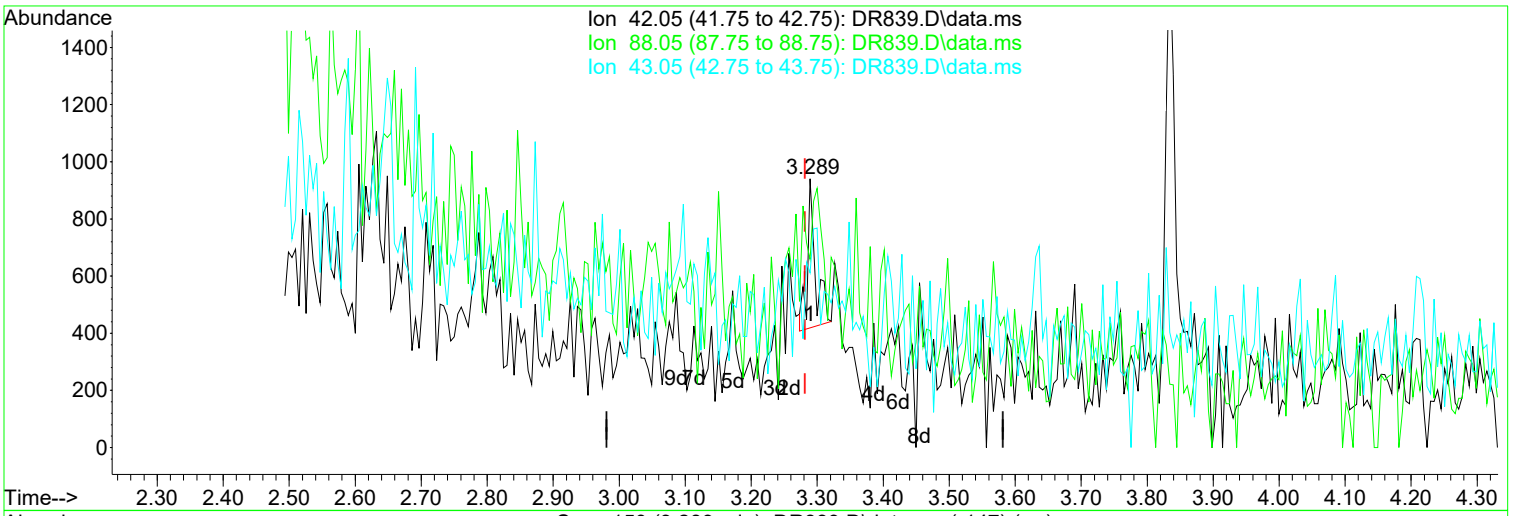
Poor integration.

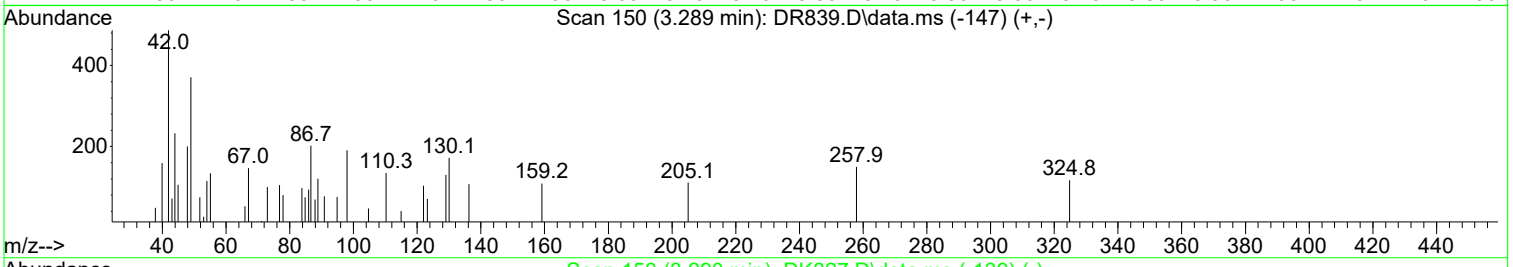
05/01/19

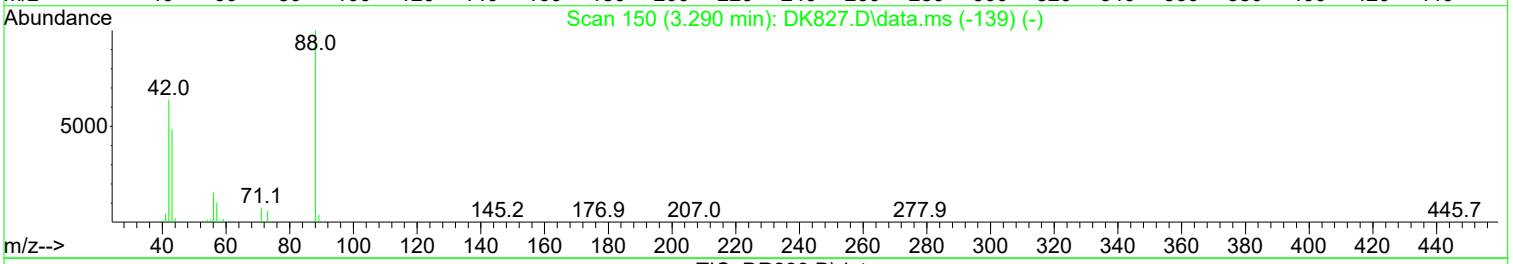
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR839.D\data.ms

(5) N-Nitrosomethylamine (TM)

3.289min (+ 0.008) 0.24 ppm

response 435

Ion	Exp%	Act%
42.05	100.00	100.00
88.05	115.80	14.27#
43.05	73.90	14.89#
0.00	0.00	0.00

Manual Integration:

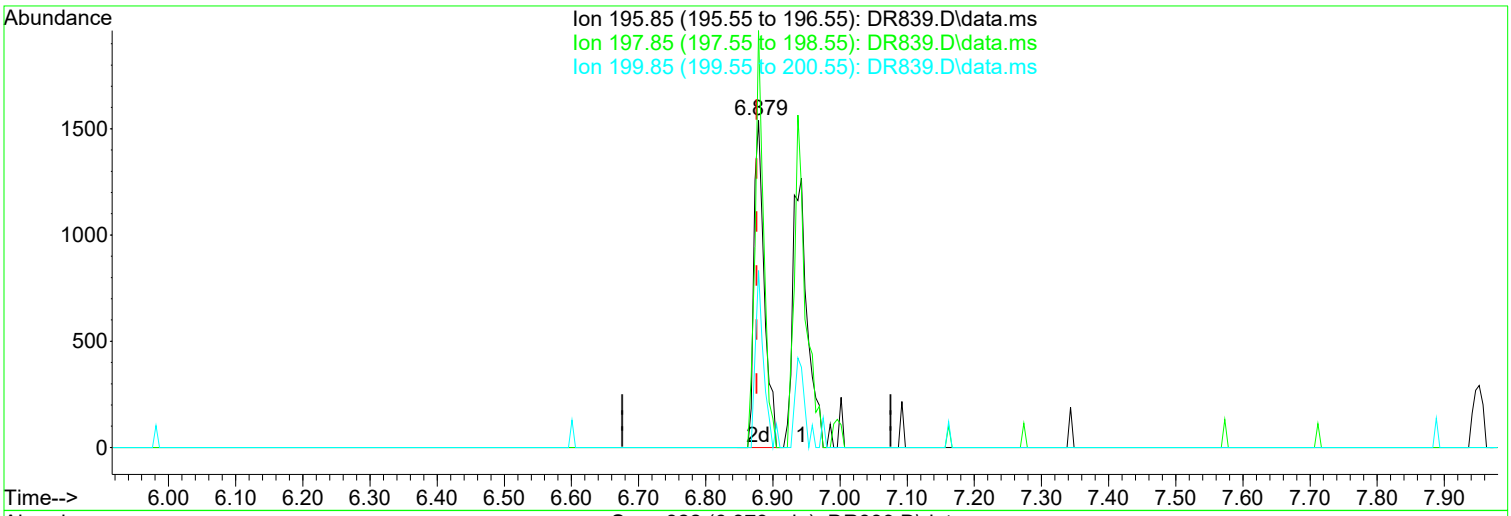
Before

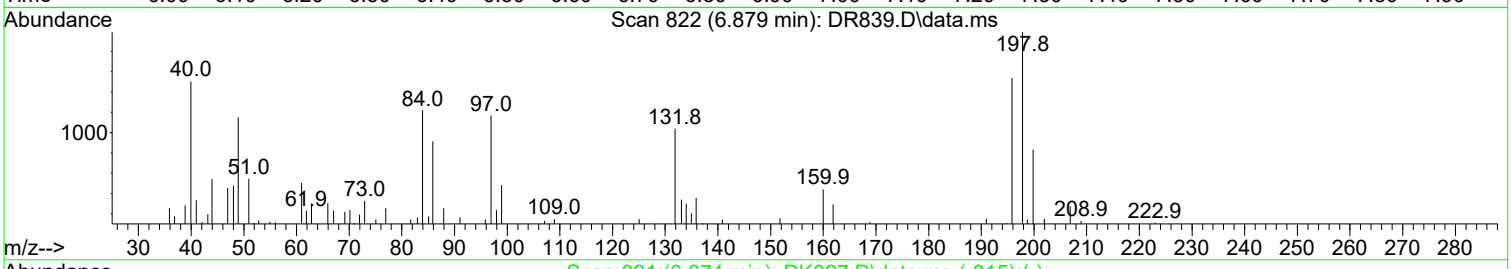
05/01/19

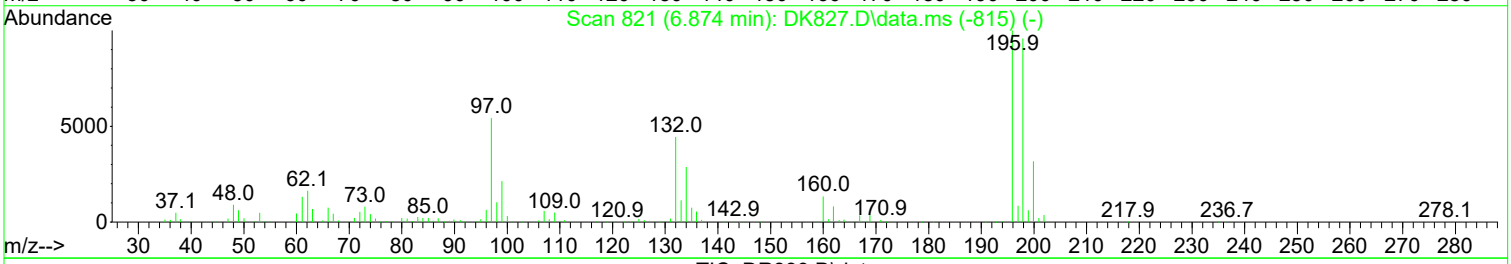
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR839.D\data.ms

(61) 2,4,6-Trichlorophenol (TCM)

6.879min (+ 0.003) 0.85 ppm m

response 1660

Ion	Exp%	Act%
195.85	100.00	100.00
197.85	102.70	129.24#
199.85	32.00	54.06#
0.00	0.00	0.00

Manual Integration:

After

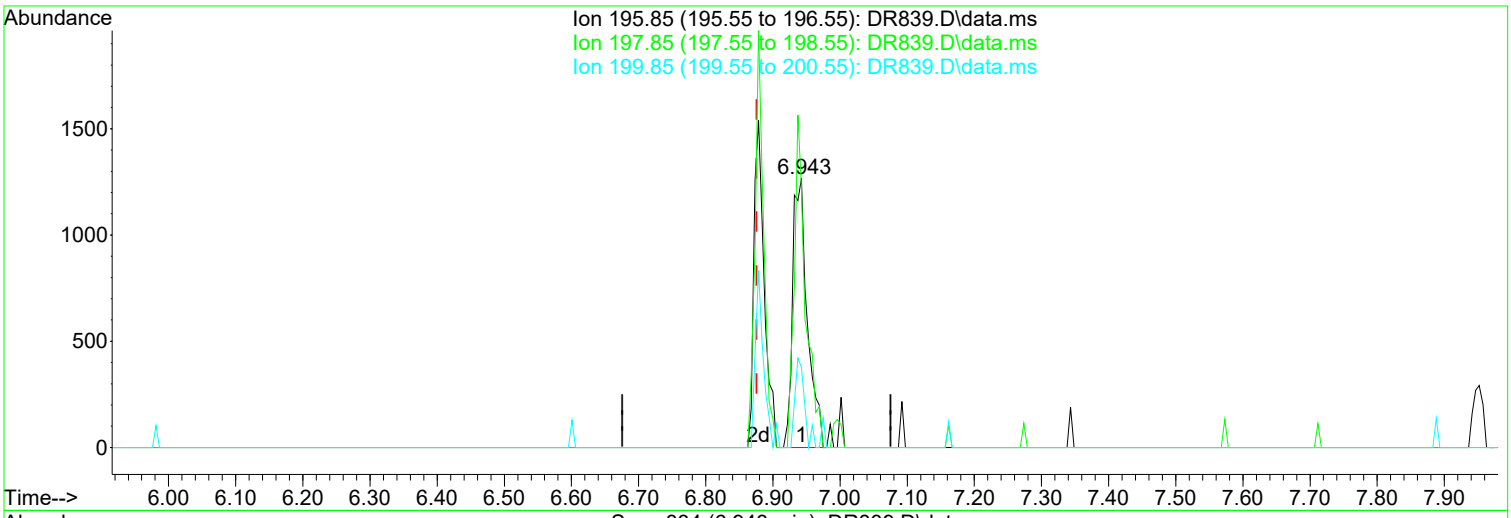
Wrong peak selected.

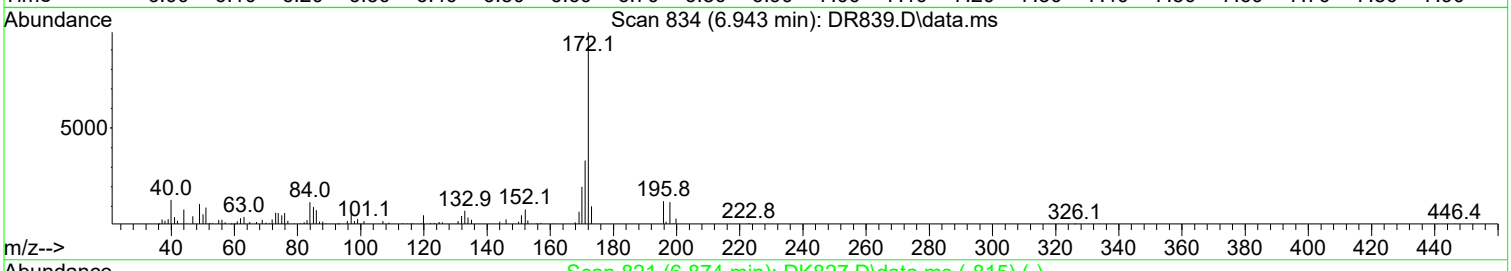
05/01/19

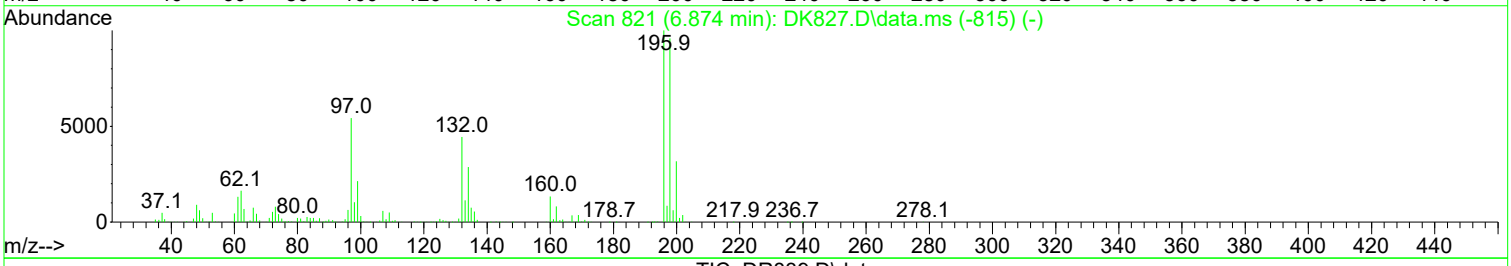
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR839.D\data.ms

(61) 2,4,6-Trichlorophenol (TCM)

6.943min (+ 0.067) 1.00 ppm

response 1945

Ion	Exp%	Act%
195.85	100.00	100.00
197.85	102.70	96.45
199.85	32.00	29.78
0.00	0.00	0.00

Manual Integration:

Before

05/01/19

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.731	152	111575	40.00	ppm		0.00
33) d8-Naphthalene	5.901	136	417154	40.00	ppm		0.00
57) d10-Acenaphthene	7.610	164	208822	40.00	ppm		0.00
91) d10-Phenanthrene	9.084	188	324805	40.00	ppm		0.00
117) d12-Chrysene	12.348	240	293790	40.00	ppm		0.00
135) d12-Perylene	15.291	264	297907	40.00	ppm		0.00
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.669	112	4026	0.99	ppm		0.00
Spiked Amount 100.000	Range 10 - 70		Recovery = 0.99%#				
12) SURR2,PHENOL-D6	4.432	99	4463	0.90	ppm		0.00
Spiked Amount 100.000	Range 10 - 107		Recovery = 0.90%#				
34) SURR4,NITROBENZENE-D5	5.234	82	4521	1.07	ppm		0.00
Spiked Amount 50.000	Range 31 - 110		Recovery = 2.14%#				
63) SURR5,2-FLUOROBIPHENYL	6.943	172	7719	0.97	ppm		0.00
Spiked Amount 50.000	Range 31 - 118		Recovery = 1.94%#				
88) SURR3,2,4,6-TRIBROMOPH...	8.401	330	912	1.07	ppm		0.00
Spiked Amount 100.000	Range 35 - 141		Recovery = 1.07%#				
124) SURR6,TERPHENYL-D14	10.767	244	6731	0.97	ppm		0.00
Spiked Amount 50.000	Range 10 - 165		Recovery = 1.94%#				
Target Compounds							Qvalue
2) Pyridine	2.686	79	3564m	0.832	ppm		
3) N-Nitrosodimethylamine	2.622	74	2622m	1.007	ppm		
4) 2-Picoline	3.231	93	4282	0.966	ppm		90
5) N-Nitrosomethylamine	3.289	42	2237m	1.242	ppm		
6) Methyl Methansulfonate	3.535	80	1884	0.933	ppm		89
8) N-Nitrosodiethylamine	3.839	102	2055	1.038	ppm		63
9) Ethyl Mathanesulfonate	4.080	79	3816	1.119	ppm		90
10) Benzaldehyde	4.368	106	5752	2.015	ppm		82
11) Aniline	4.454	93	5796	0.911	ppm		83
13) Phenol	4.443	94	5163	0.947	ppm		86
14) bis(2-Clethyl)Ether	4.496	93	4342	1.151	ppm		78
15) Pentachloroethane	4.486	117	1597	1.051	ppm		94
16) 2-Chlorophenol	4.566	128	4481	1.046	ppm		92
17) 1,3-Diclbenzene	4.683	146	4354	0.977	ppm		92
18) 1,4-Dichlorobenzene	4.747	146	4617	1.012	ppm		91
19) 1,2-Diclbenzene	4.881	146	4303	0.987	ppm		94
20) Benzyl Alcohol	4.870	79	2595	0.895	ppm	#	69
21) 1-Methyl-2-pyrrolidinone	4.913	99	2380	0.898	ppm	#	70
22) 2,2'-oxybis(1-Chloropr...	4.961	45	3494	0.964	ppm	#	77
23) 2-Methylphenol	4.966	108	4073	1.060	ppm		81
24) 3+4-Methylphenol	5.111	108	4599	1.058	ppm	#	81
25) Acetophenone	5.089	105	5668	1.049	ppm		87
26) N-Nitroso-Di-n-propyla...	5.079	70	3088	1.060	ppm		82
27) N-Nitrosopyrrolidine	5.084	100	2045	0.965	ppm	#	73
28) N-Nitrosomorpholine	5.116	56	2317	1.111	ppm		96
29) o-Toluidine	5.127	106	6027	1.005	ppm		73
30) Hexachloroethane	5.180	117	1966	1.120	ppm	#	80
31) o,o,o-Triethylphosphor...	5.623	198	1863	1.019	ppm		81
32) Alpha-terpinol	5.923	121	1484	1.041	ppm	#	66
35) Nitrobenzene	5.255	77	4326	1.018	ppm		94
36) N-Nitrosopiperidine	5.394	42	2208	0.955	ppm		89
37) Isophorone	5.463	82	6935	0.979	ppm		91
38) 2-Nitrophenol	5.549	139	2196	0.998	ppm		92

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) 2,4-Dimethylphenol	5.591	107	3863	0.975	ppm		90
40) bis(-2-Chloroethoxy)Me...	5.661	93	3887	0.933	ppm		94
42) 2,4-Dichlorophenol	5.805	162	2936	0.936	ppm		80
43) a,a-Dimethylphenethyla...	5.821	58	6634	0.839	ppm		61
44) 1,2,4-Trichlorobenzene	5.842	180	3130	0.946	ppm		91
45) Naphthalene	5.923	128	11839	1.030	ppm		94
46) 4-Chloroaniline	5.987	127	4816	1.001	ppm		91
47) 2,6-Dichlorophenol	5.992	162	3214	0.980	ppm		82
48) Hexachlorobutadiene	6.024	225	1579	0.942	ppm	#	67
49) Hexachloropropene	5.997	213	2070	0.988	ppm		98
50) 4-Chloro-3-methylphenol	6.473	107	3128	1.000	ppm		75
51) N-N-di-n-butylamine	6.286	84	2712	1.091	ppm		75
52) Caprolactam	6.318	113	1422	1.143	ppm	#	61
53) p-Phenylenediamine	6.344	80	648	0.789	ppm		90
54) Safrole	6.499	162	2759	0.935	ppm		88
55) 2-Methylnaphthalene	6.590	142	7072	0.950	ppm		97
56) 1-Methylnaphthalene	6.686	142	6874	0.987	ppm		82
58) Hexachlorocyclopentadiene	6.729	237	295	1.403	ppm		67
59) 1,2,4,5-Tetrachloroben...	6.750	216	2761	0.898	ppm		96
60) 1,2,3,4-Tetrachloroben...	7.028	216	3104	0.959	ppm		94
61) 2,4,6-Trichlorophenol	6.879	196	1660m	0.853	ppm		
62) 2,4,5-Trichlorophenol	6.943	196	1945	0.929	ppm		97
64) Isosafrole	7.007	104	1669	1.243	ppm	#	66
65) 1,1'-Biphenyl	7.044	154	9050	0.978	ppm		93
66) 2-Chloronaphthalene	7.071	162	6707	1.003	ppm		94
67) 2-Nitroaniline	7.183	65	2143	1.121	ppm	#	65
68) 1,4-Naphthoquinone	7.258	158	1277	0.608	ppm		79
69) m-Dinitrobenzene	7.407	168	1251	0.952	ppm		86
70) Acenaphthylene	7.471	152	11068	1.033	ppm		88
71) Dimethyl phthalate	7.343	163	8275	1.059	ppm		96
72) 2,6-Dinitrotoluene	7.413	165	1811	1.020	ppm		86
73) Acenaphthene	7.642	153	7409	0.995	ppm		96
74) 3-Nitroaniline	7.594	138	1987	0.974	ppm		87
76) Dibenzofuran	7.813	168	9326	1.014	ppm		89
77) 2,4-Dinitrotoluene	7.819	165	2317	0.989	ppm	#	69
79) Pentachlorobenzene	7.771	250	2371	0.963	ppm	#	63
80) 1-Napthylamine	7.904	143	4915	1.015	ppm		93
81) 2-Napthylamine	7.984	143	6318	1.023	ppm		82
82) 2,3,4,6-Tetrachlorophenol	7.952	232	1044	0.730	ppm		71
83) Fluorene	8.155	166	7890	1.043	ppm		98
84) 4-Chlorophenyl-phenyle...	8.150	204	3083	1.010	ppm		93
85) Diethylphthalate	8.032	149	8006	1.034	ppm		97
86) 4-Nitroaniline	8.203	138	1790	0.890	ppm		96
87) 5-Nitro-o-toluidine	8.182	152	2135	0.935	ppm		92
89) Sulfotepp	8.411	322	988	1.023	ppm		94
90) Octachlorocyclopentene	8.390	307	910	0.925	ppm		75
92) Thionazin	8.112	107	1474	1.157	ppm		87
94) Diphenylamine	8.267	169	11320	1.972	ppm		98
95) 1,2 Diphenylhydrazine	8.305	77	7345	1.014	ppm		90
96) N-Nitrosodiphenylamine	8.267	169	11320	1.972	ppm		98
98) Diallate	8.540	86	3457	1.181	ppm		95
99) Phorate	8.556	121	1564	1.041	ppm		85
100) Phenacetin	8.588	108	3396	0.897	ppm		93
101) 4-Bromophenyl-phenylether	8.636	248	1858	1.094	ppm		93
102) Hexachlorobenzene	8.695	284	2062	1.080	ppm	#	71
103) Dimethoate	8.737	87	2877	1.159	ppm		96

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

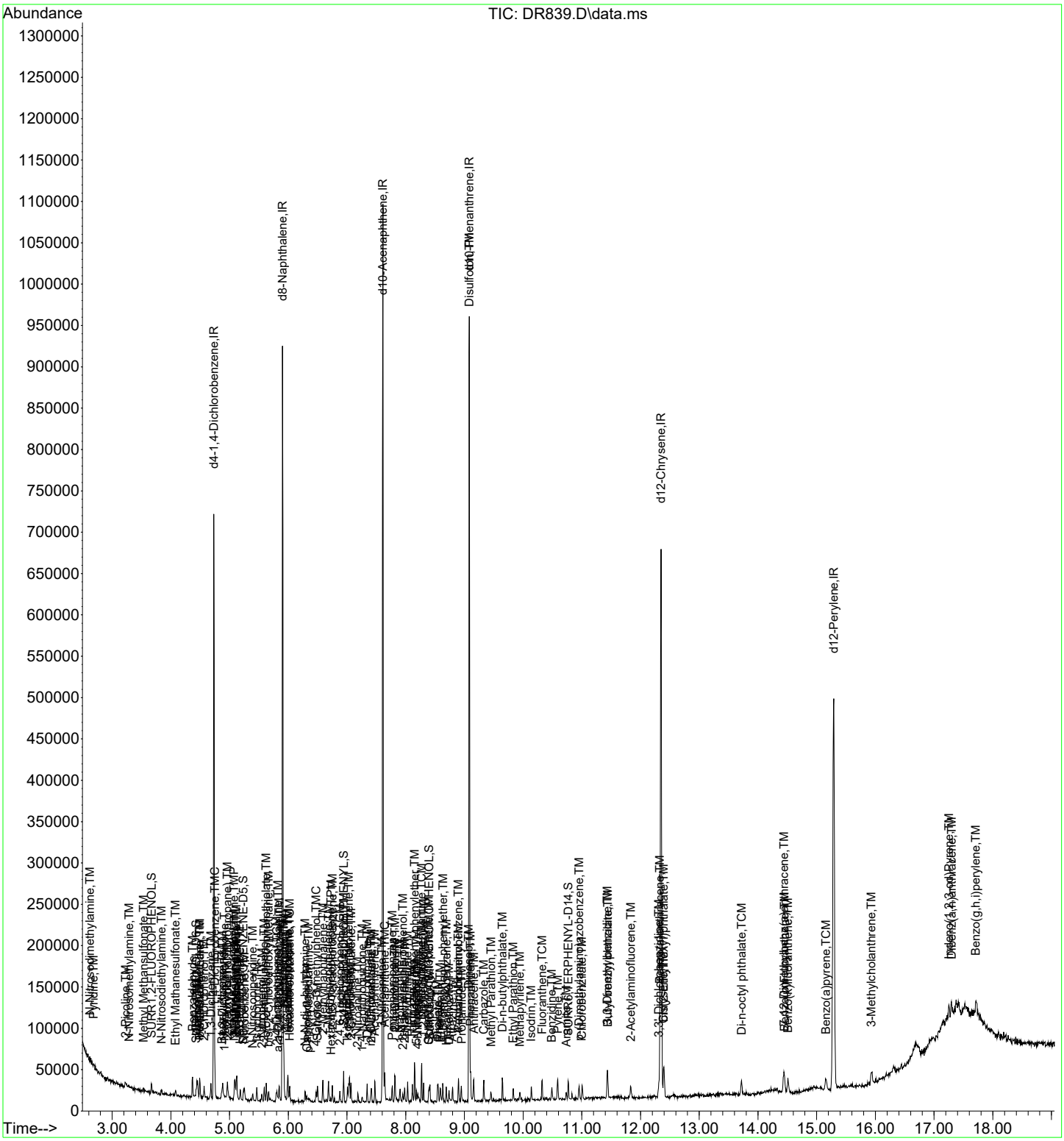
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
104) Atrazine	8.796	215	901	0.970	ppm		92
106) 4-Aminobiphenyl	8.897	169	5691	0.976	ppm		96
107) Pentachloronitrobenzene	8.897	237	608	0.862	ppm		95
108) Pronamide	8.951	173	2914	0.877	ppm		73
109) Dinoseb	9.068	211	869	0.527	ppm		88
110) Disulfoton	9.079	88	7355	1.953	ppm		54
111) Phenanthrene	9.106	178	11083	1.079	ppm		97
112) Anthracene	9.159	178	10821	1.060	ppm		92
113) Carbazole	9.330	167	10129	1.010	ppm		95
114) Di-n-butylphthalate	9.645	149	12664	0.977	ppm		99
116) Fluoranthene	10.324	202	9960	0.947	ppm		92
118) Methyl Parathion	9.453	109	2386	1.024	ppm		88
119) Ethyl Parathion	9.832	97	1838	1.056	ppm	#	55
120) Methapyrilene	9.944	58	2486	0.982	ppm		100
121) Isodrin	10.137	193	1201	1.118	ppm		78
122) Benzidine	10.489	184	6702	0.972	ppm		80
123) Pyrene	10.591	202	10301	0.955	ppm		99
125) Aramite	10.735	185	1552m	1.050	ppm		
126) p-(Dimethylamino)azobe...	10.954	120	3005	0.938	ppm		89
127) Chlorobenzilate	11.002	139	3439	0.918	ppm		91
128) Butyl benzyl phthalate	11.440	149	5899	0.986	ppm		93
129) 3,3-Dimethylbenzidine	11.434	212	6669	1.016	ppm		91
130) 2-Acetylaminofluorene	11.835	181	4683	0.980	ppm		88
131) 3,3'-Dichlorobenzidine	12.310	252	4285	1.097	ppm		80
132) Benzo(a)anthracene	12.326	228	10868	1.089	ppm		92
133) Chrysene	12.391	228	9838	1.072	ppm		96
134) bis(2-Ethylhexyl)phtha...	12.396	149	8910	1.082	ppm		98
136) Di-n-octyl phthalate	13.720	149	14534	1.028	ppm		87
137) 7,12-Dimethylbenz(a)an...	14.442	256	4740	1.053	ppm		89
138) Benzo(b)Fluoranthene	14.452	252	9907	0.999	ppm		79
139) Benzo(k)fluoranthene	14.511	252	9685	1.031	ppm		90
140) Benzo(a)pyrene	15.157	252	8649	1.014	ppm		90
141) 3-Methylcholanthrene	15.932	268	5296	1.061	ppm		85
142) Indeno(1,2,3-cd)Pyrene	17.251	276	9447	1.130	ppm		89
143) Dibenz(a,h)anthracene	17.299	278	9403	1.073	ppm		83
144) Benzo(g,h,i)perylene	17.710	276	7682	1.066	ppm		92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

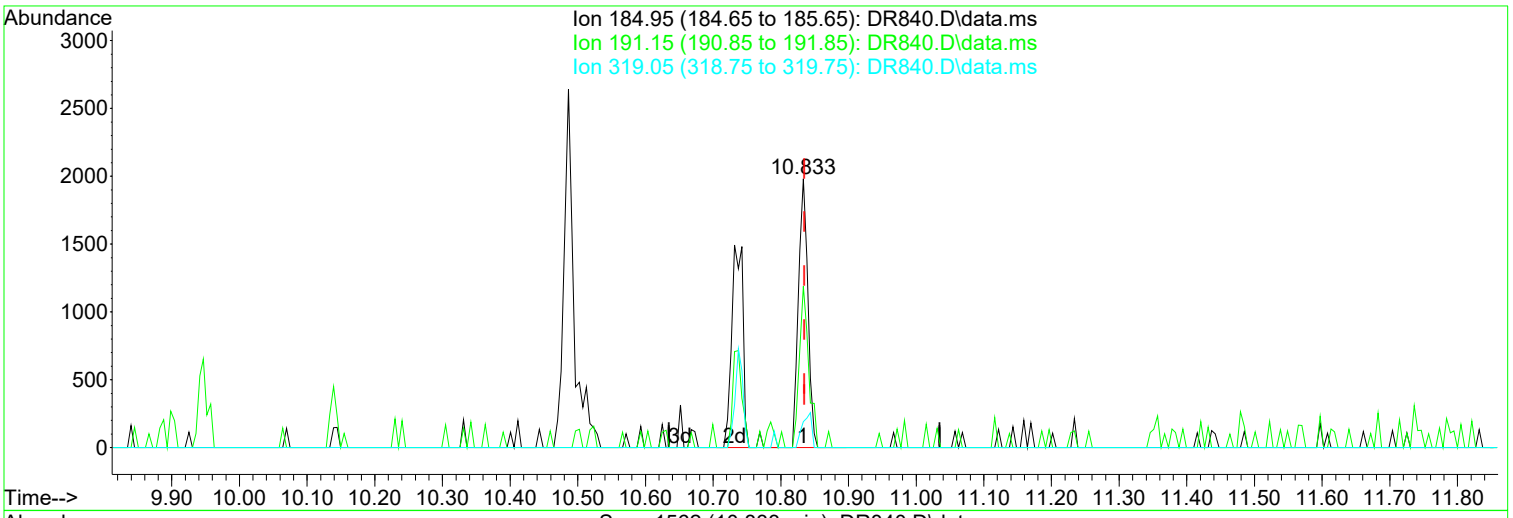
Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

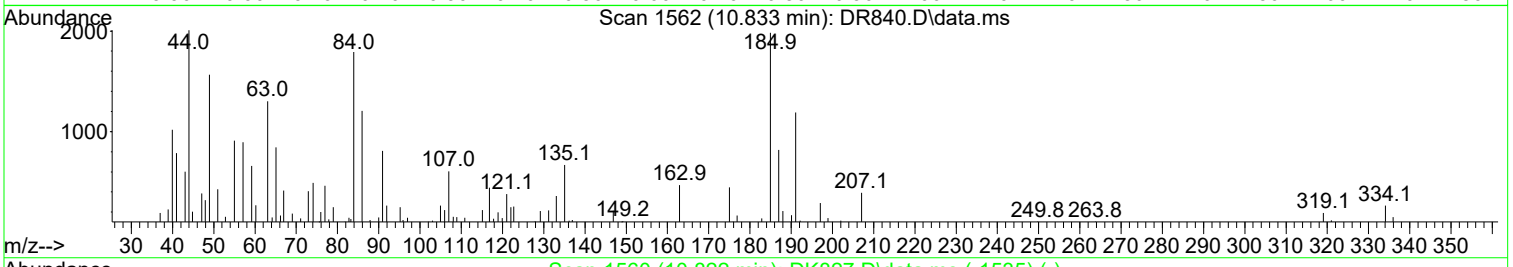


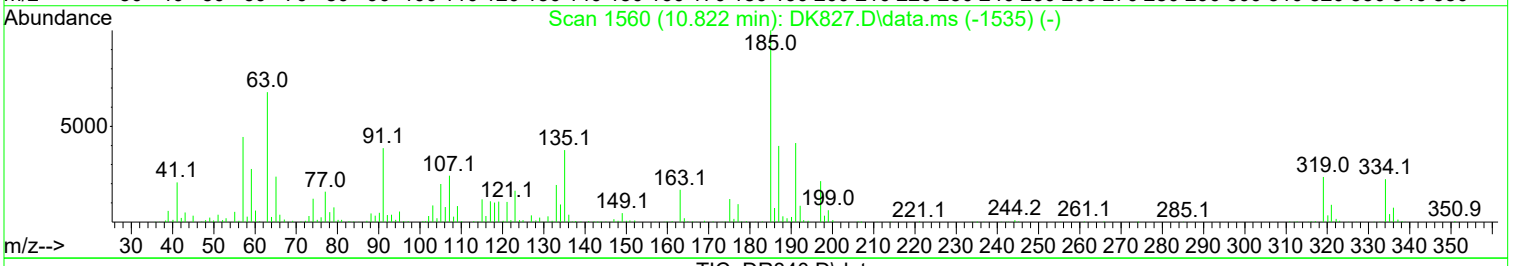
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR840.D\data.ms

(125) Aramite (TM)

10.833min (-0.002) 2.51 ppm m

response 3704

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	59.96
319.05	16.80	9.68
0.00	0.00	0.00

Manual Integration:

After

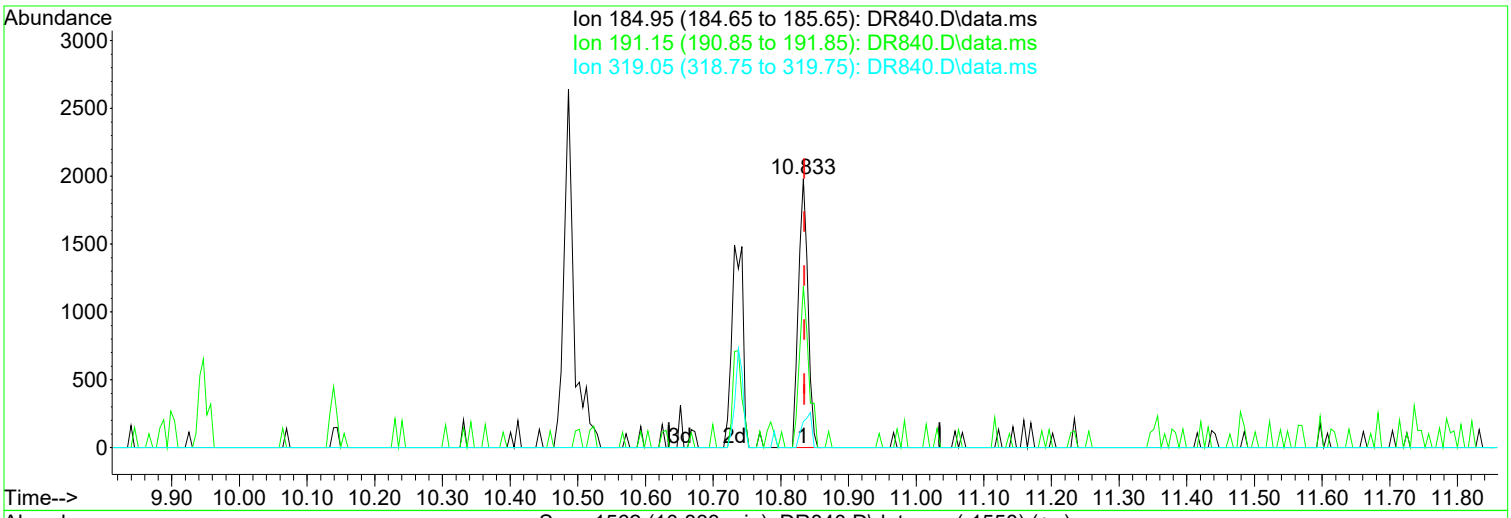
Split Peak.

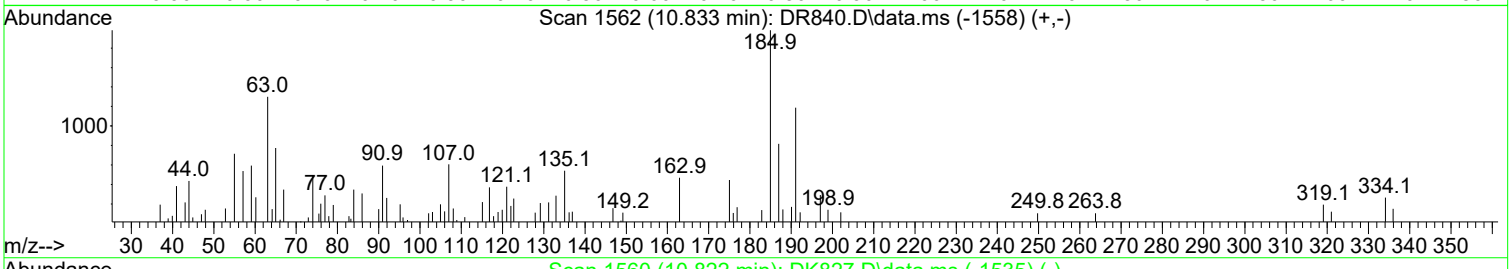
05/01/19

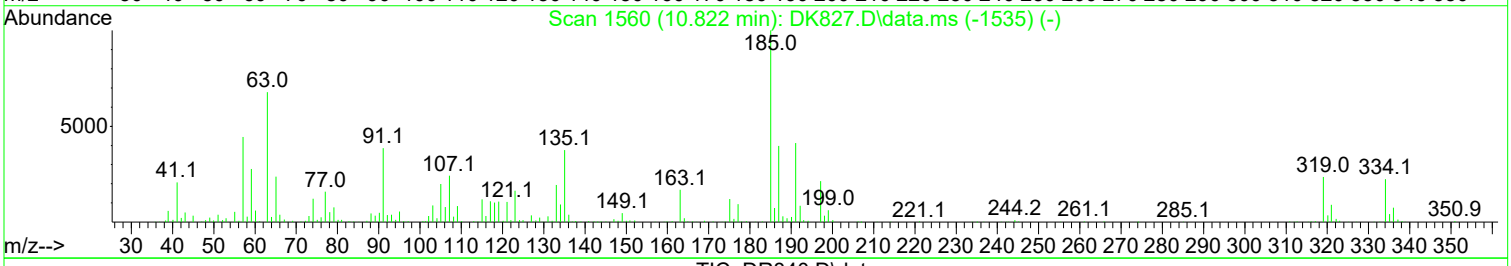
1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR840.D\data.ms

(125) Aramite (TM)

10.833min (-0.002) 1.31 ppm

response 1933

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	59.96
319.05	16.80	9.68
0.00	0.00	0.00

Manual Integration:

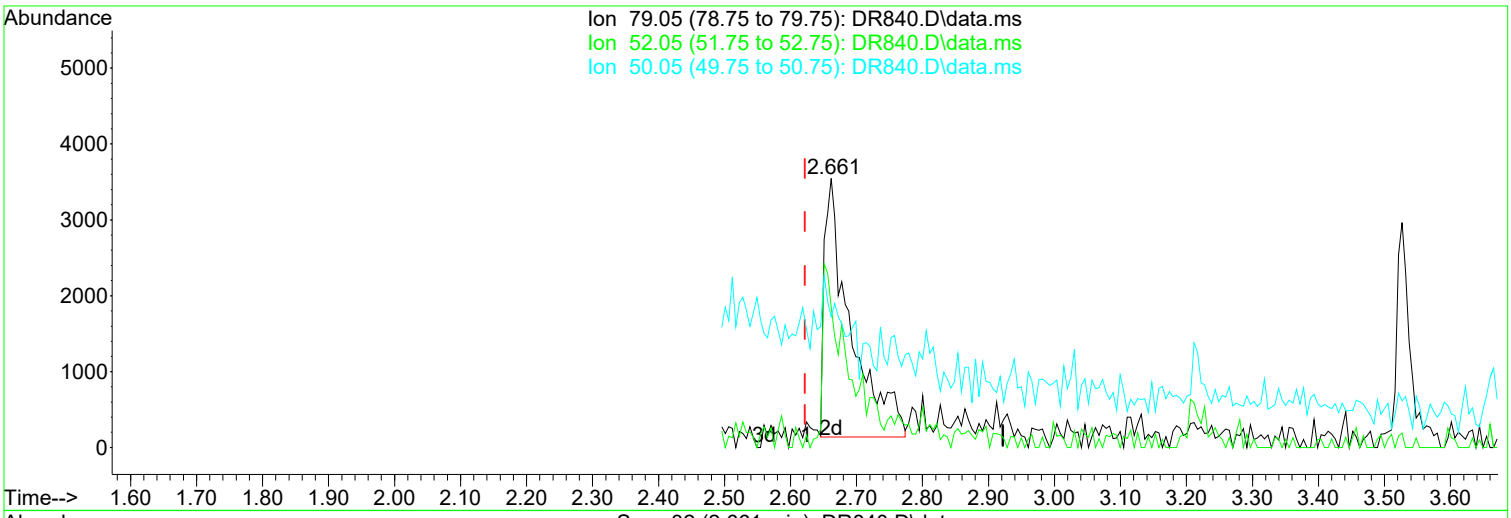
Before

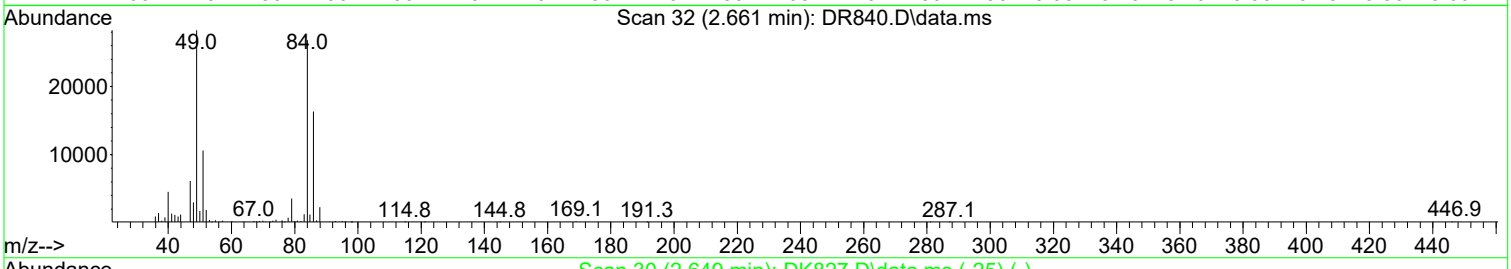
05/01/19

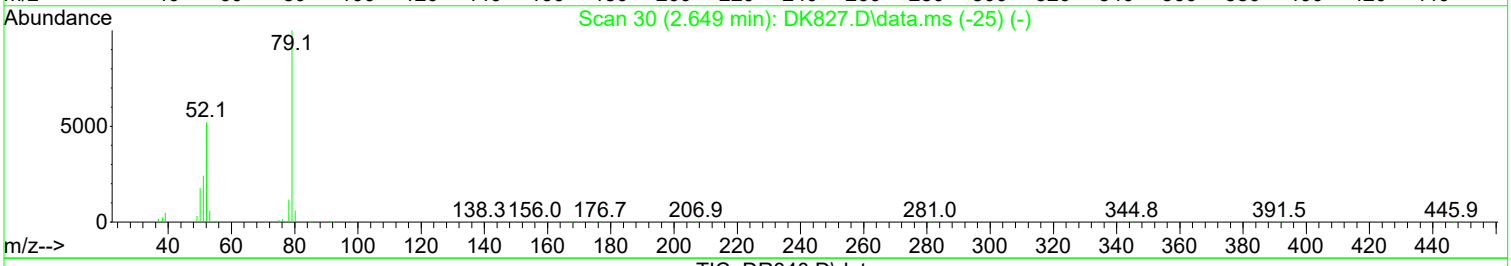
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR840.D\data.ms

(2) Pyridine (TM)

2.661min (+ 0.039) 2.18 ppm m

response 9421

Ion	Exp%	Act%
79.05	100.00	100.00
52.05	60.40	52.24
50.05	24.10	48.63
0.00	0.00	0.00

Manual Integration:

After

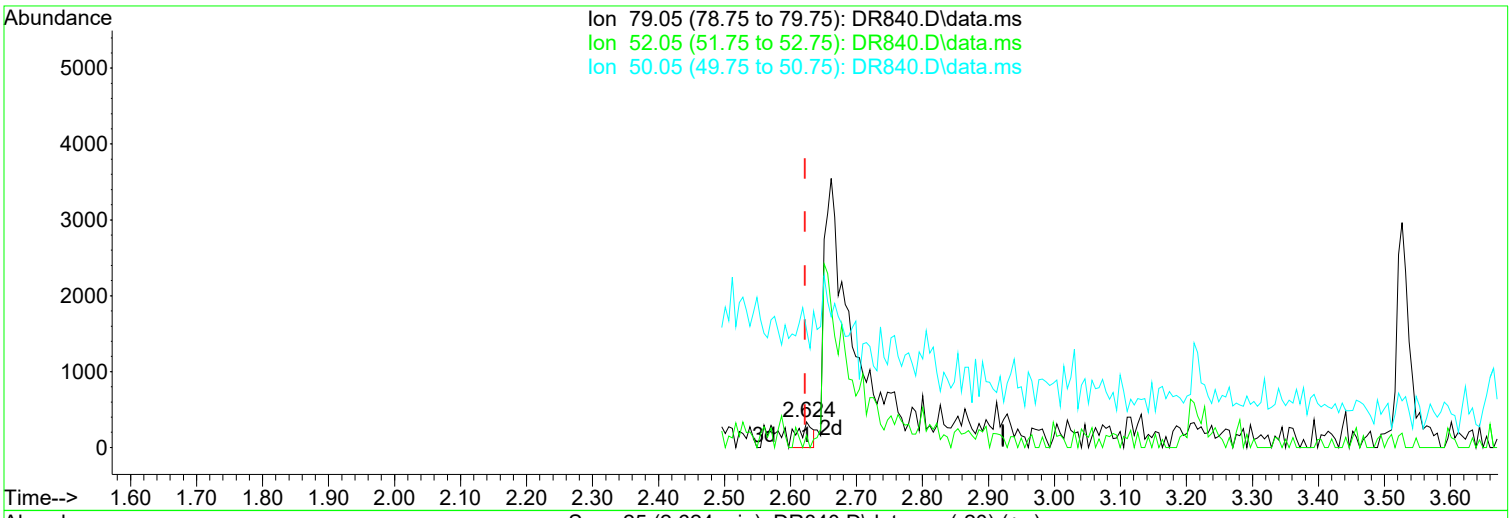
Peak not found.

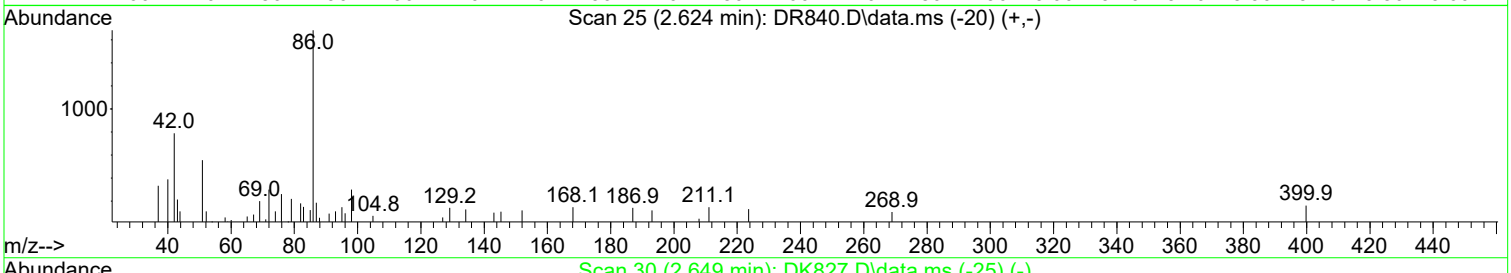
05/01/19

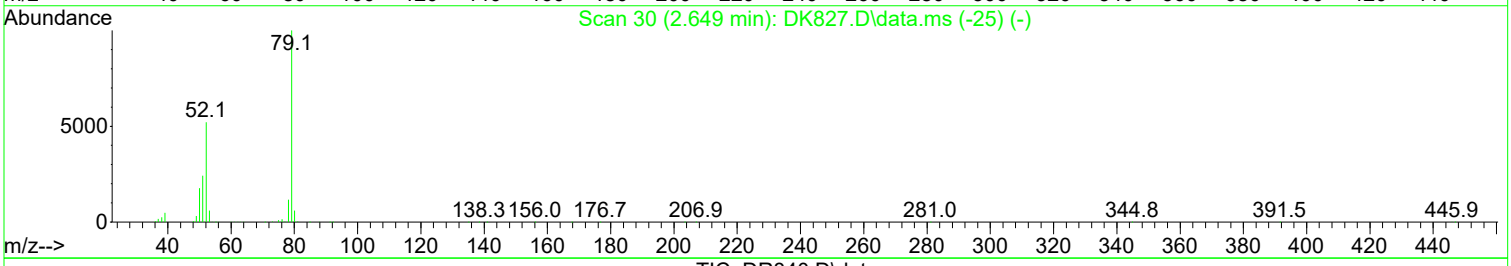
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR840.D\data.ms

(2) Pyridine (TM)

2.624min (+ 0.002) 0.12 ppm

response 520

Ion	Exp%	Act%
79.05	100.00	100.00
52.05	60.40	50.11
50.05	24.10	0.00
0.00	0.00	0.00

Manual Integration:

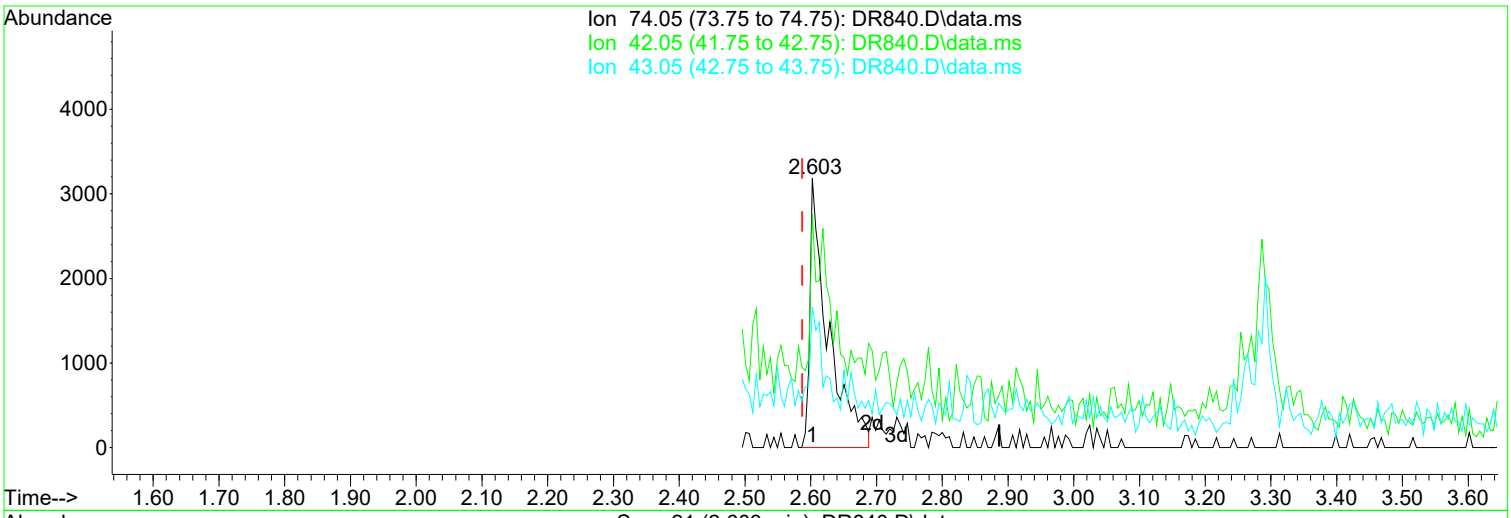
Before

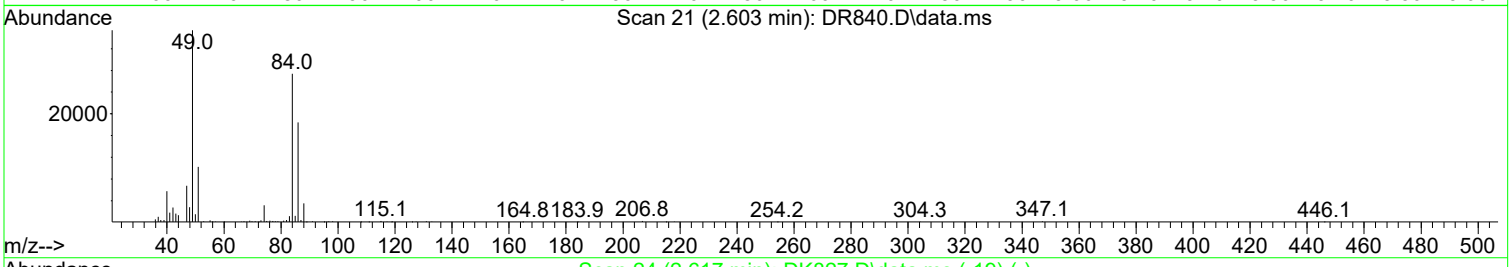
05/01/19

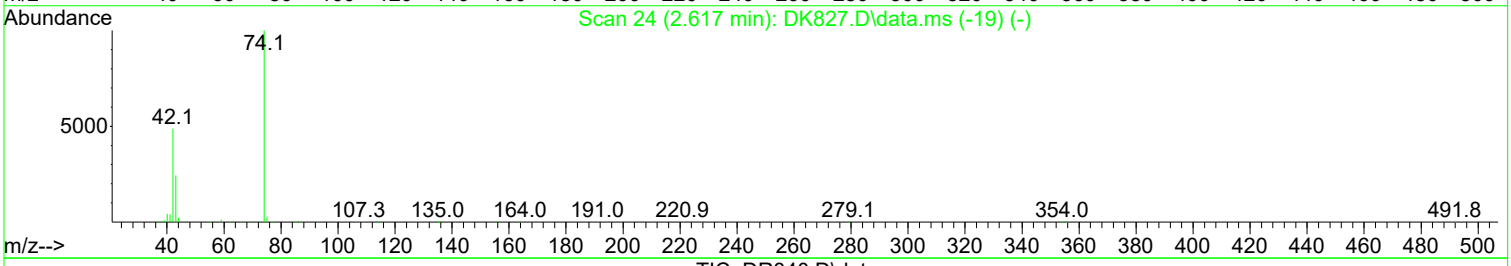
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR840.D\data.ms

(3) N-Nitrosodimethylamine (TM)

2.603min (+ 0.015) 2.33 ppm m

response 6118

Ion	Exp%	Act%
74.05	100.00	100.00
42.05	71.90	86.86
43.05	28.80	52.28
0.00	0.00	0.00

Manual Integration:

After

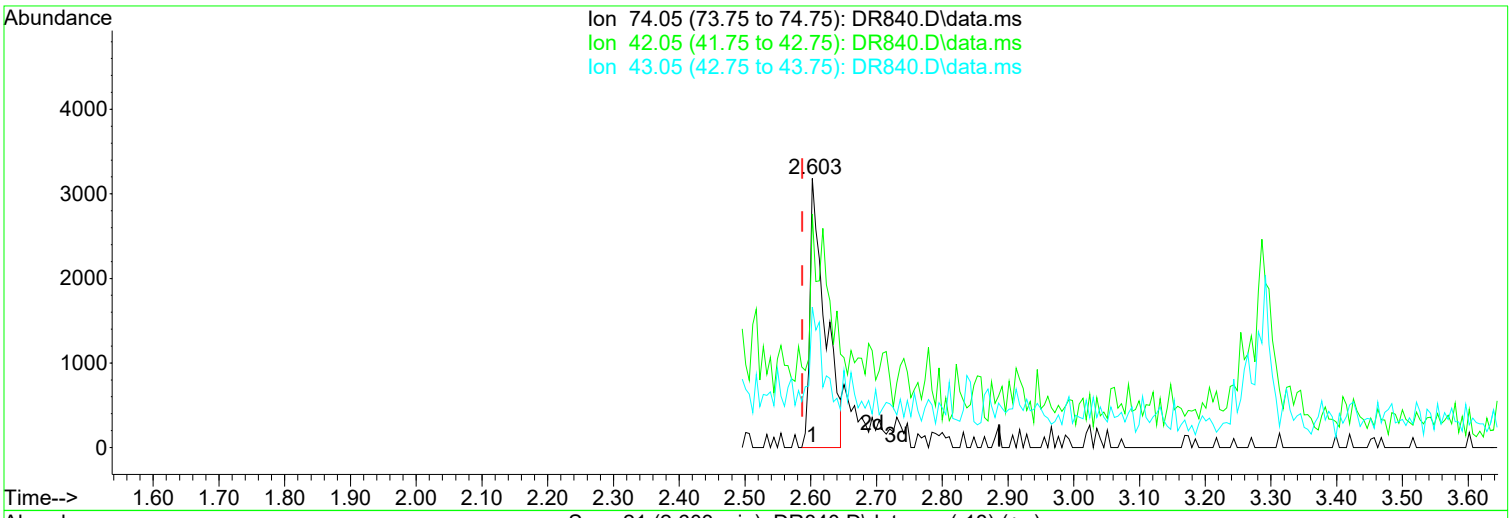
Poor integration.

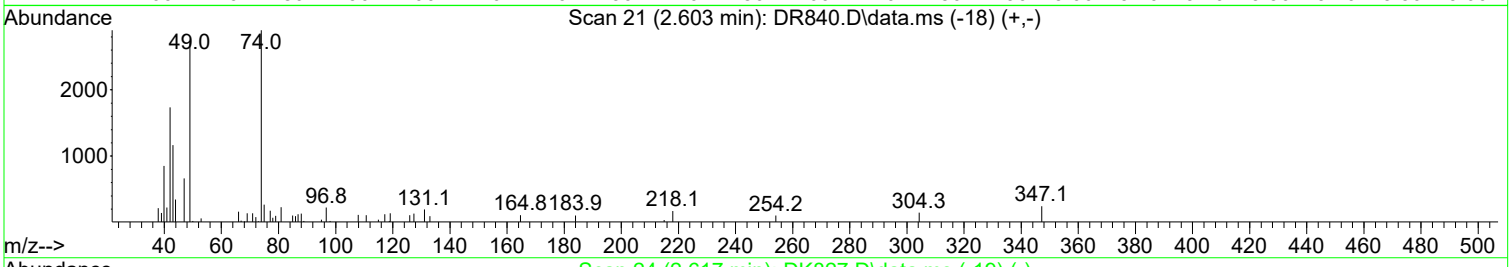
05/01/19

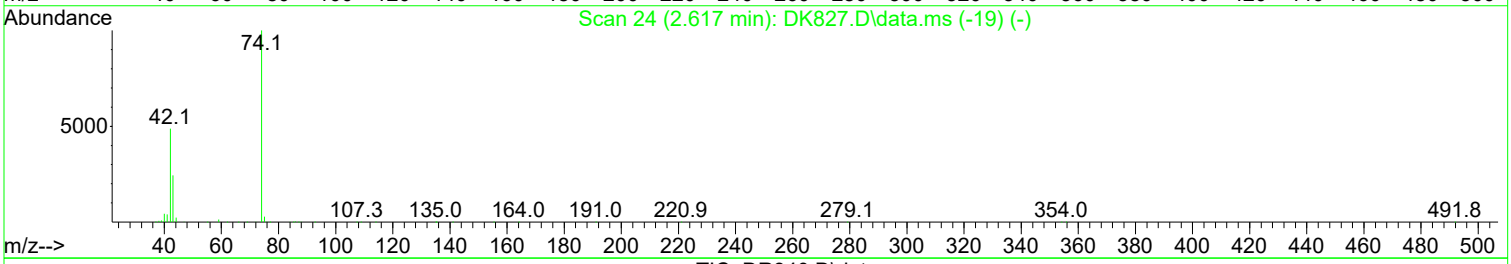
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR840.D\data.ms

(3) N-Nitrosodimethylamine (TM)

2.603min (+ 0.015) 1.92 ppm

response 5034

Ion	Exp%	Act%
74.05	100.00	100.00
42.05	71.90	59.80
43.05	28.80	40.30
0.00	0.00	0.00

Manual Integration:

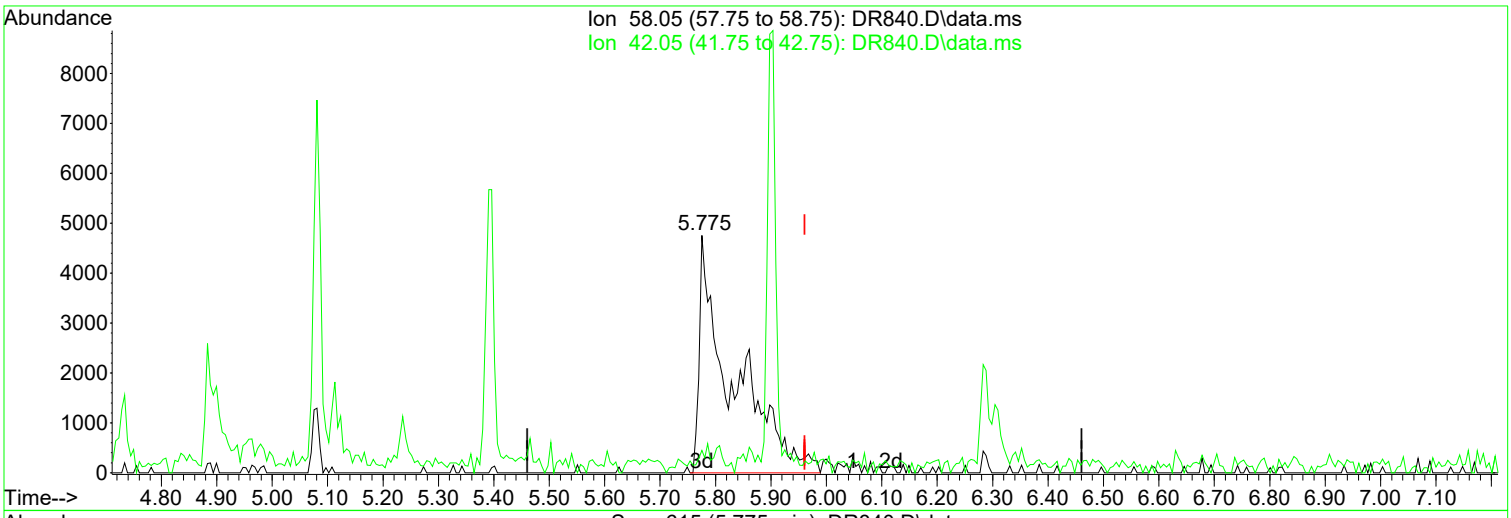
Before

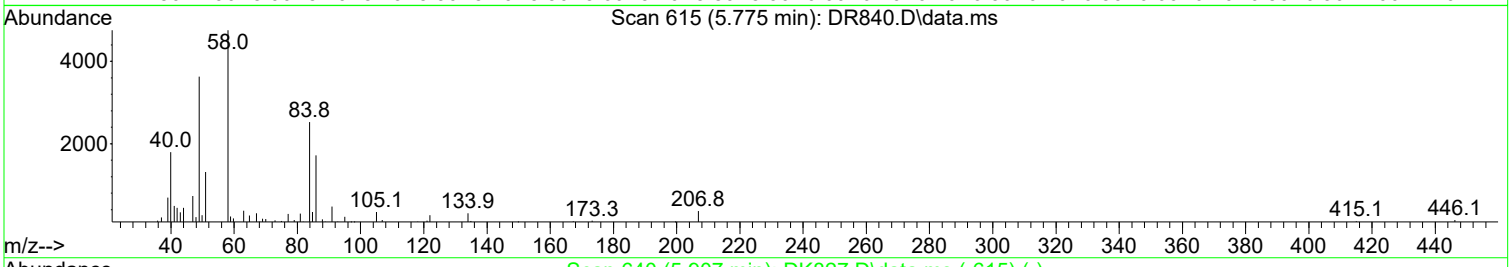
05/01/19

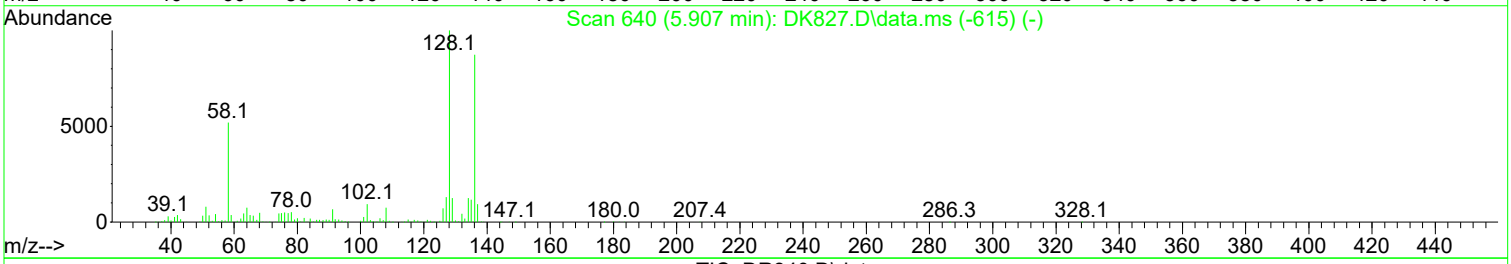
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR840.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.775min (-0.186) 2.52 ppm m

response 19415

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	9.36
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

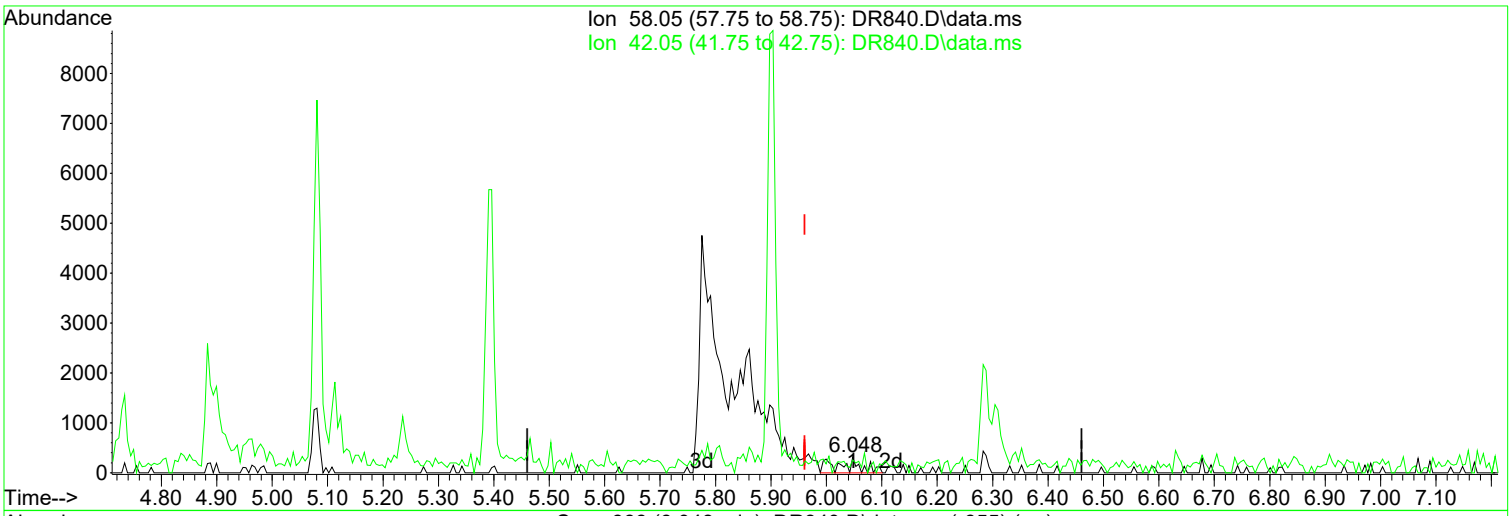
Peak not found.

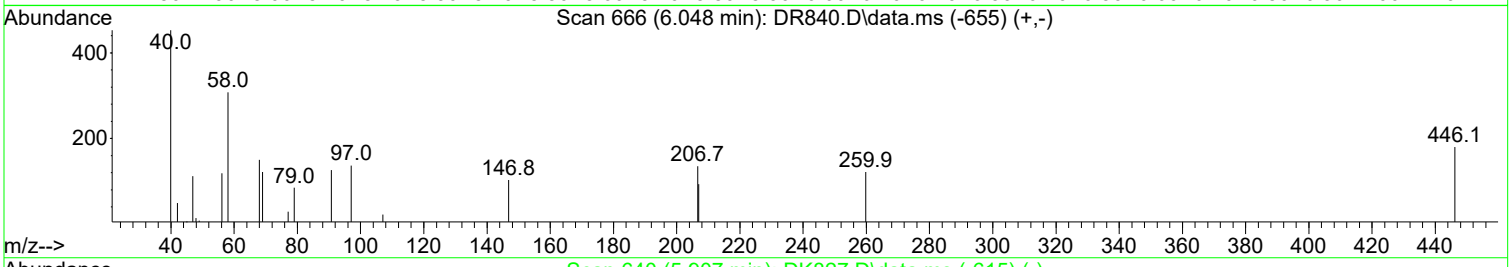
05/01/19

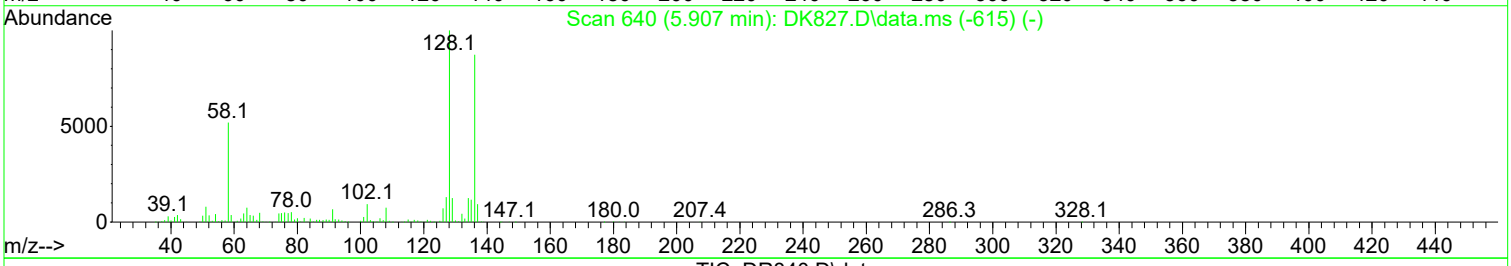
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR840.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

6.048min (+ 0.086) 0.11 ppm

response 880

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	16.07
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

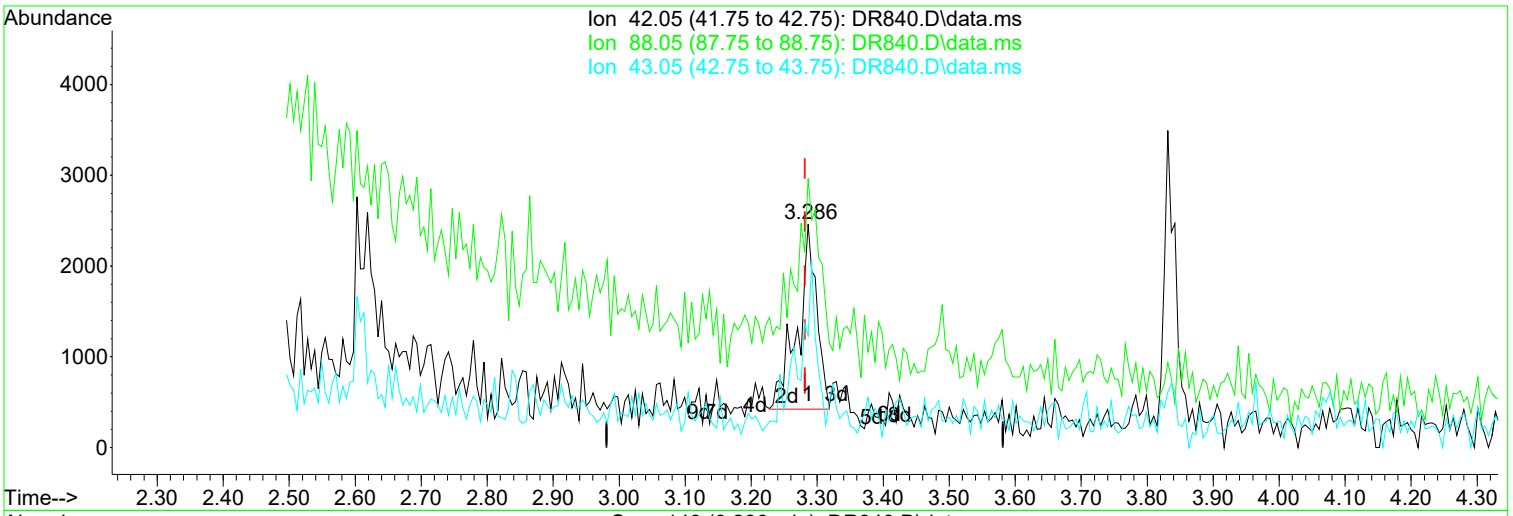
Before

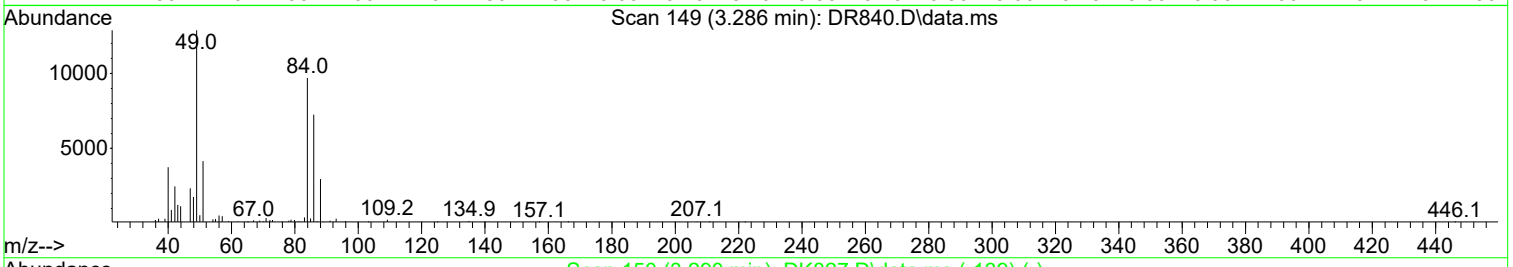
05/01/19

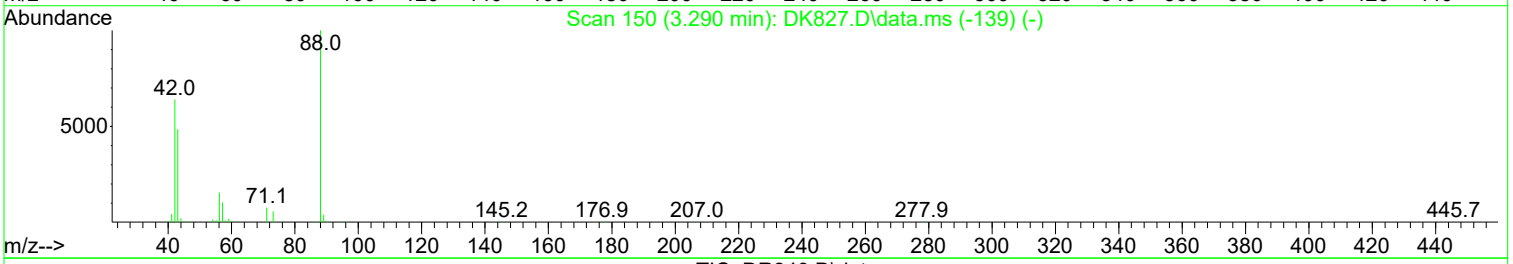
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR840.D\data.ms

(5) N-Nitrosomethylamine (TM)

3.286min (+ 0.005) 2.25 ppm m

response 4092

Ion	Exp%	Act%
42.05	100.00	100.00
88.05	115.80	120.39
43.05	73.90	50.12
0.00	0.00	0.00

Manual Integration:

After

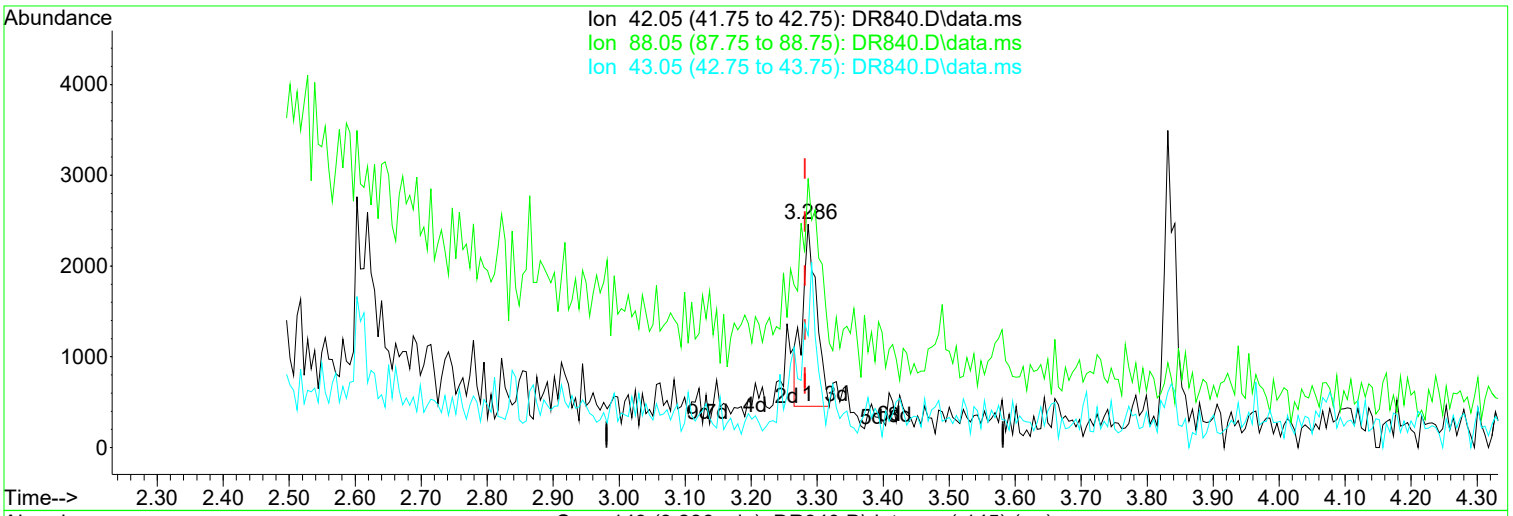
Poor integration.

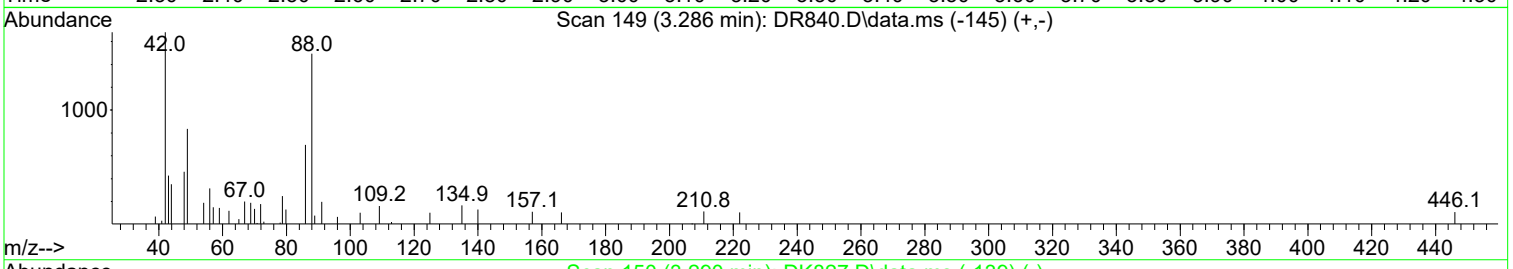
05/01/19

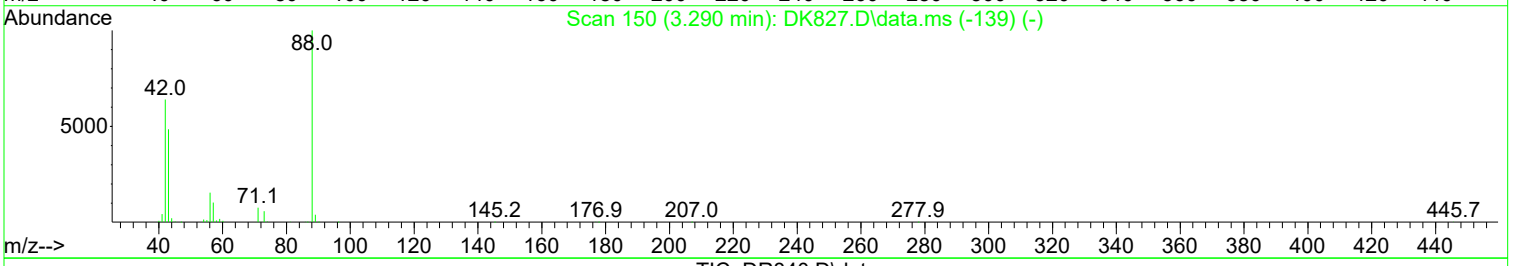
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR840.D\data.ms

(5) N-Nitrosomethylamine (TM)

3.286min (+ 0.005) 1.65 ppm

response 2987

Ion	Exp%	Act%
42.05	100.00	100.00
88.05	115.80	88.76
43.05	73.90	25.42#
0.00	0.00	0.00

Manual Integration:

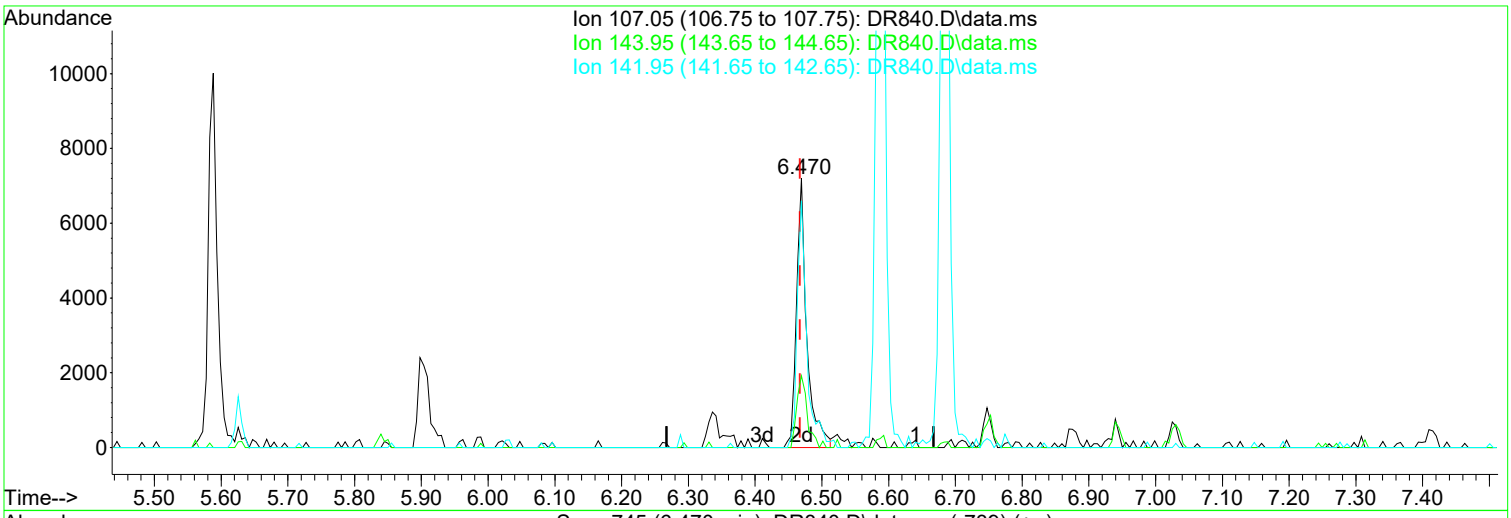
Before

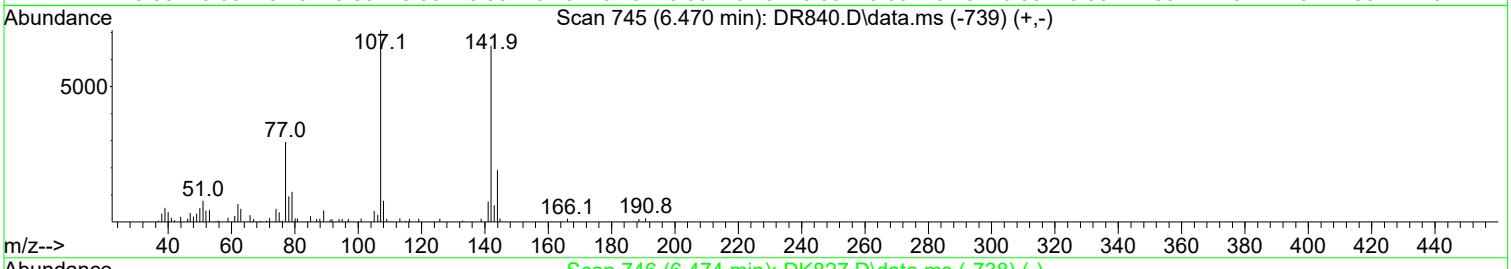
05/01/19

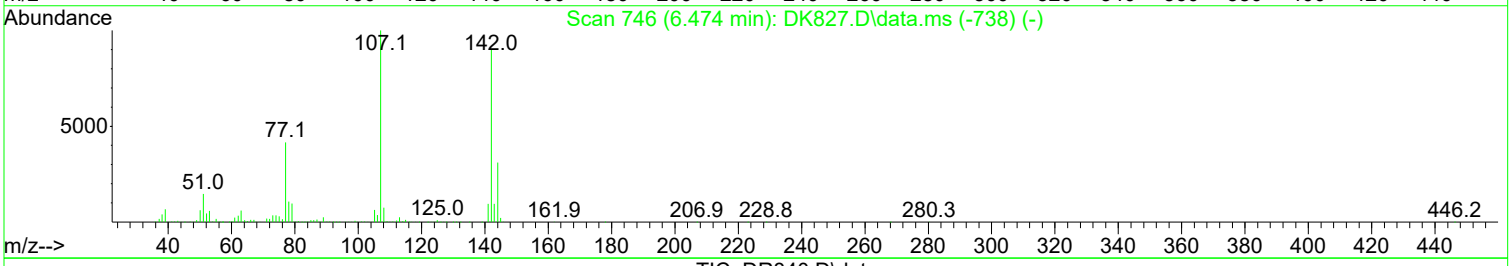
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR840.D\data.ms

(50) 4-Chloro-3-methylphenol (TMC)

6.470min (+ 0.002) 2.52 ppm m

response 7676

Ion	Exp%	Act%
107.05	100.00	100.00
143.95	28.90	26.66
141.95	49.90	91.66#
0.00	0.00	0.00

Manual Integration:

After

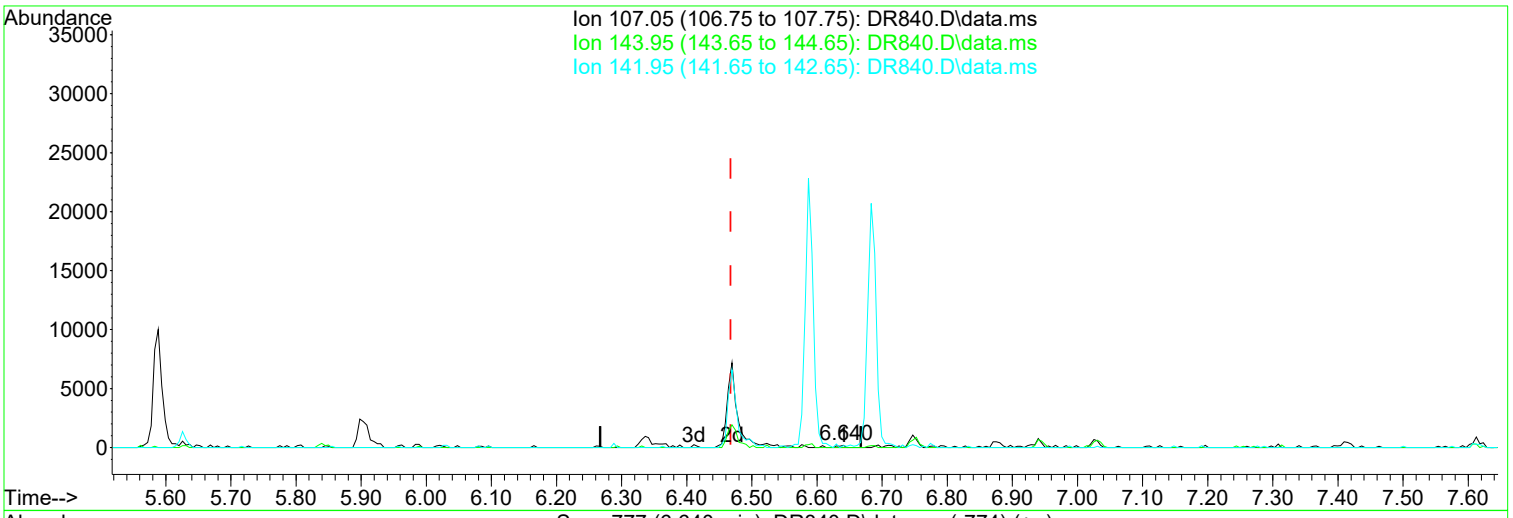
Peak not found.

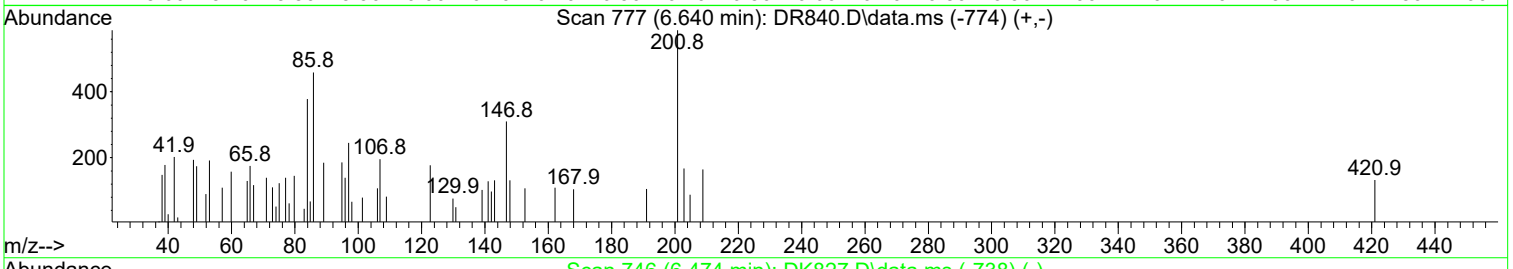
05/01/19

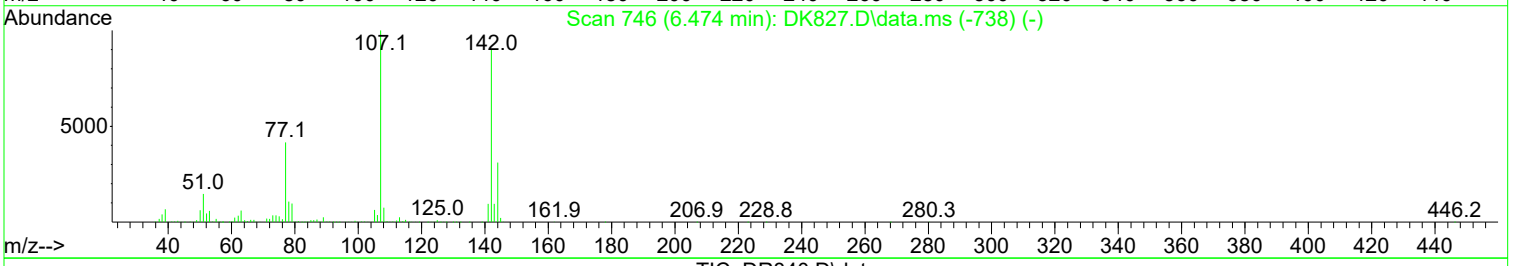
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR840.D\data.ms

(50) 4-Chloro-3-methylphenol (TMC)

6.640min (+ 0.173) 0.05 ppm

response 141

Ion	Exp%	Act%
107.05	100.00	100.00
143.95	28.90	0.00
141.95	49.90	49.74
0.00	0.00	0.00

Manual Integration:

Before

05/01/19

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.734	152	112429	40.00	ppm		0.00
33) d8-Naphthalene	5.903	136	406648	40.00	ppm		0.00
57) d10-Acenaphthene	7.613	164	207367	40.00	ppm		0.00
91) d10-Phenanthrene	9.081	188	326792	40.00	ppm		0.00
117) d12-Chrysene	12.350	240	293632	40.00	ppm		0.00
135) d12-Perylene	15.288	264	298347	40.00	ppm		0.00
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.665	112	10024	2.45	ppm		0.00
Spiked Amount 100.000	Range 10 - 70		Recovery = 2.45%#				
12) SURR2,PHENOL-D6	4.429	99	12557	2.50	ppm		0.00
Spiked Amount 100.000	Range 10 - 107		Recovery = 2.50%#				
34) SURR4,NITROBENZENE-D5	5.236	82	11319	2.74	ppm		0.00
Spiked Amount 50.000	Range 31 - 110		Recovery = 5.48%#				
63) SURR5,2-FLUOROBIPHENYL	6.940	172	20369	2.58	ppm		0.00
Spiked Amount 50.000	Range 31 - 118		Recovery = 5.16%#				
88) SURR3,2,4,6-TRIBROMOPH...	8.398	330	2144	2.52	ppm		0.00
Spiked Amount 100.000	Range 35 - 141		Recovery = 2.52%#				
124) SURR6,TERPHENYL-D14	10.769	244	17535	2.53	ppm		0.00
Spiked Amount 50.000	Range 10 - 165		Recovery = 5.06%#				
Target Compounds							Qvalue
2) Pyridine	2.661	79	9421m	2.183	ppm		
3) N-Nitrosodimethylamine	2.603	74	6118m	2.331	ppm		
4) 2-Picoline	3.211	93	11201	2.508	ppm		91
5) N-Nitrosomethylamine	3.286	42	4092m	2.254	ppm		
6) Methyl Methansulfonate	3.527	80	4874	2.396	ppm		99
8) N-Nitrosodiethylamine	3.831	102	4712	2.363	ppm		97
9) Ethyl Mathanesulfonate	4.077	79	9543	2.776	ppm		96
10) Benzaldehyde	4.365	106	15170	5.275	ppm		92
11) Aniline	4.456	93	16451	2.566	ppm		96
13) Phenol	4.440	94	13614	2.478	ppm		97
14) bis(2-Clethyl)Ether	4.493	93	9694	2.550	ppm		94
15) Pentachloroethane	4.493	117	3940	2.574	ppm		78
16) 2-Chlorophenol	4.563	128	10254	2.376	ppm		93
17) 1,3-Diclbenzene	4.686	146	10905	2.428	ppm		92
18) 1,4-Dichlorobenzene	4.750	146	11017	2.397	ppm		95
19) 1,2-Diclbenzene	4.883	146	11565	2.633	ppm		94
20) Benzyl Alcohol	4.862	79	7264	2.485	ppm		89
21) 1-Methyl-2-pyrrolidinone	4.894	99	6611	2.475	ppm		86
22) 2,2'-oxybis(1-Chloropr...	4.958	45	9537	2.611	ppm	#	68
23) 2-Methylphenol	4.963	108	10147	2.620	ppm		88
24) 3+4-Methylphenol	5.102	108	10837	2.473	ppm	#	79
25) Acetophenone	5.092	105	13719	2.521	ppm		89
26) N-Nitroso-Di-n-propyla...	5.081	70	7938	2.704	ppm		97
27) N-Nitrosopyrrolidine	5.081	100	5416	2.537	ppm	#	64
28) N-Nitrosomorpholine	5.113	56	5704	2.715	ppm		98
29) o-Toluidine	5.124	106	14993	2.481	ppm		87
30) Hexachloroethane	5.182	117	4038	2.282	ppm		90
31) o,o,o-Triethylphosphor...	5.626	198	4544	2.466	ppm		88
32) Alpha-terpinol	5.925	121	3592	2.502	ppm		78
35) Nitrobenzene	5.252	77	11561	2.790	ppm		96
36) N-Nitrosopiperidine	5.396	42	6228	2.765	ppm		95
37) Isophorone	5.465	82	17643	2.554	ppm		96
38) 2-Nitrophenol	5.546	139	5093	2.375	ppm		95

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) 2,4-Dimethylphenol	5.588	107	9628	2.493	ppm		88
40) bis(-2-Chloroethoxy)Me...	5.663	93	10254	2.524	ppm		94
42) 2,4-Dichlorophenol	5.791	162	7692	2.515	ppm		97
43) a,a-Dimethylphenethyla...	5.775	58	19415m	2.517	ppm		
44) 1,2,4-Trichlorobenzene	5.845	180	8449	2.620	ppm		94
45) Naphthalene	5.925	128	29976	2.675	ppm		98
46) 4-Chloroaniline	5.984	127	12563	2.679	ppm		85
47) 2,6-Dichlorophenol	5.989	162	7902	2.470	ppm		94
48) Hexachlorobutadiene	6.021	225	4347	2.660	ppm		89
49) Hexachloropropene	6.000	213	5301	2.596	ppm		82
50) 4-Chloro-3-methylphenol	6.470	107	7676m	2.517	ppm		
51) N-N-di-n-butylamine	6.283	84	6465	2.668	ppm		97
52) Caprolactam	6.304	113	3082	2.542	ppm		88
53) p-Phenylenediamine	6.331	80	1861	2.324	ppm	#	58
54) Safrole	6.496	162	7218	2.509	ppm		96
55) 2-Methylnaphthalene	6.587	142	19836	2.735	ppm		97
56) 1-Methylnaphthalene	6.683	142	18975	2.796	ppm		95
58) Hexachlorocyclopentadiene	6.731	237	1472	2.268	ppm		75
59) 1,2,4,5-Tetrachloroben...	6.747	216	7691	2.520	ppm		99
60) 1,2,3,4-Tetrachloroben...	7.030	216	8340	2.595	ppm		95
61) 2,4,6-Trichlorophenol	6.875	196	4457	2.306	ppm		94
62) 2,4,5-Trichlorophenol	6.934	196	5123	2.464	ppm		95
64) Isosafrole	7.004	104	3124	2.342	ppm		83
65) 1,1'-Biphenyl	7.041	154	24320	2.647	ppm		94
66) 2-Chloronaphthalene	7.068	162	17451	2.628	ppm		97
67) 2-Nitroaniline	7.180	65	4975	2.621	ppm	#	78
68) 1,4-Naphthoquinone	7.255	158	4619	2.216	ppm		91
69) m-Dinitrobenzene	7.399	168	3443	2.639	ppm		94
70) Acenaphthylene	7.474	152	27483	2.584	ppm		95
71) Dimethyl phthalate	7.340	163	22107	2.848	ppm		95
72) 2,6-Dinitrotoluene	7.415	165	4427	2.512	ppm		91
73) Acenaphthene	7.645	153	19297	2.608	ppm		95
74) 3-Nitroaniline	7.591	138	5046	2.491	ppm		87
76) Dibenzofuran	7.815	168	23268	2.547	ppm		87
77) 2,4-Dinitrotoluene	7.815	165	5639	2.423	ppm		95
79) Pentachlorobenzene	7.767	250	6343	2.593	ppm		96
80) 1-Napthylamine	7.901	143	12646	2.629	ppm		91
81) 2-Napthylamine	7.981	143	16172	2.638	ppm		95
82) 2,3,4,6-Tetrachlorophenol	7.954	232	3035	2.136	ppm		69
83) Fluorene	8.152	166	20028	2.666	ppm		94
84) 4-Chlorophenyl-phenyle...	8.147	204	8043	2.654	ppm		96
85) Diethylphthalate	8.029	149	20563	2.675	ppm		94
86) 4-Nitroaniline	8.200	138	4766	2.385	ppm		85
87) 5-Nitro-o-toluidine	8.179	152	5588	2.463	ppm		79
89) Sulfotepp	8.414	322	2661	2.773	ppm		89
90) Octachlorocyclopentene	8.392	307	2207	2.260	ppm	#	72
92) Thionazin	8.109	107	3108	2.424	ppm		99
93) 4,6-Dinitro-2-methylph...	8.216	198	1915	1.520	ppm	#	60
94) Diphenylamine	8.269	169	30114	5.215	ppm		96
95) 1,2 Diphenylhydrazine	8.302	77	19640	2.695	ppm		90
96) N-Nitrosodiphenylamine	8.269	169	30114	5.215	ppm		96
97) 1,3,5-Trinirobenzene	8.590	74	2065	1.981	ppm	#	73
98) Diallate	8.542	86	8796	2.986	ppm		98
99) Phorate	8.553	121	3742	2.476	ppm		88
100) Phenacetin	8.585	108	9575	2.514	ppm		97
101) 4-Bromophenyl-phenylether	8.633	248	4284	2.507	ppm	#	80

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

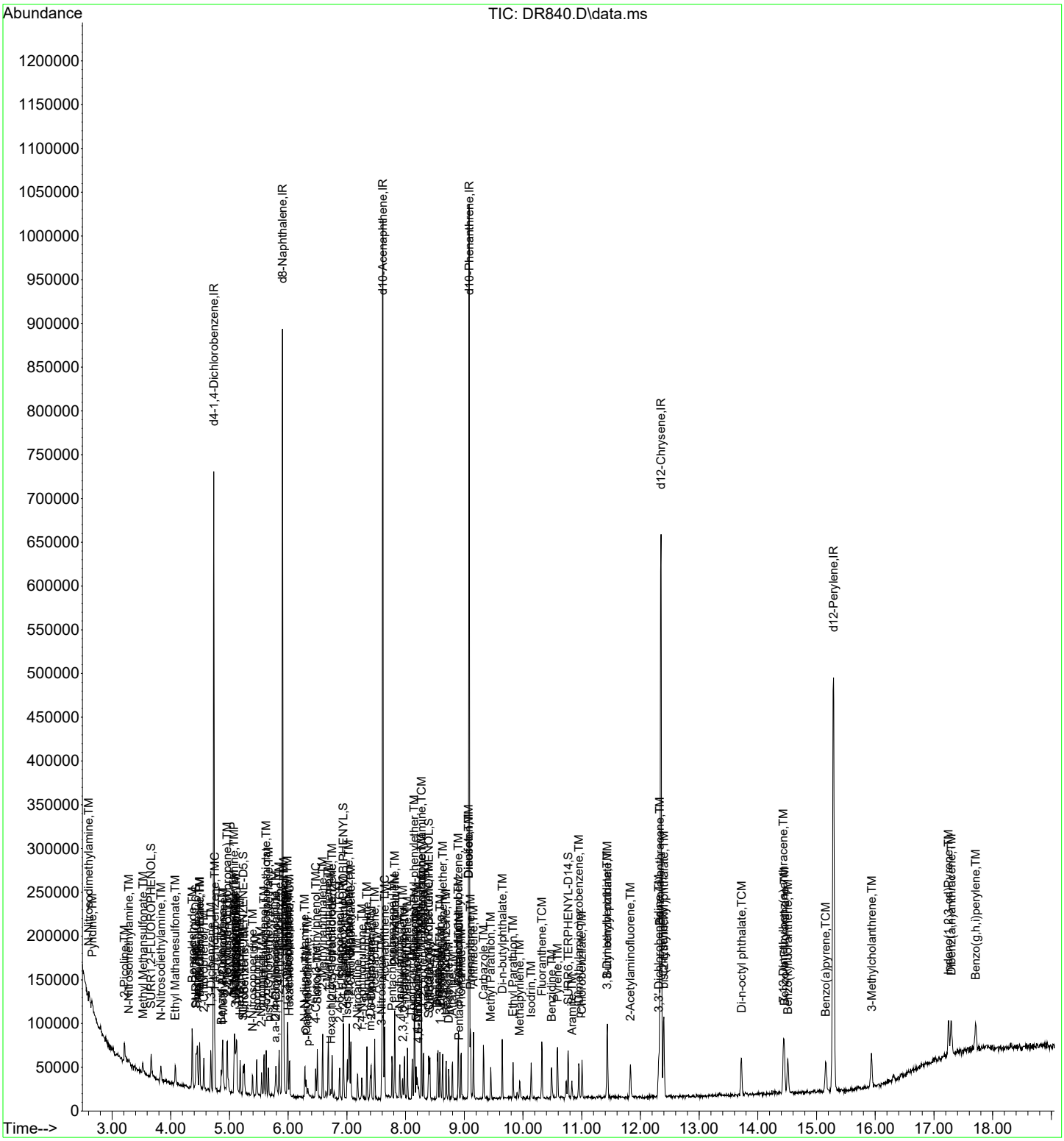
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
102) Hexachlorobenzene	8.691	284	5336	2.777	ppm		93
103) Dimethoate	8.734	87	6013	2.408	ppm		92
104) Atrazine	8.798	215	2478	2.652	ppm		89
105) Pentachlorophenol	8.910	266	549	4.035	ppm		88
106) 4-Aminobiphenyl	8.900	169	13920	2.372	ppm		95
107) Pentachloronitrobenzene	8.900	237	1649	2.323	ppm		86
108) Pronamide	8.948	173	7920	2.370	ppm		97
109) Dinoseb	9.071	211	2119	1.278	ppm	#	69
110) Disulfoton	9.071	88	13037	3.442	ppm		89
111) Phenanthrene	9.108	178	27356	2.647	ppm		95
112) Anthracene	9.156	178	26345	2.566	ppm		96
113) Carbazole	9.327	167	24783	2.457	ppm		95
114) Di-n-butylphthalate	9.647	149	31636	2.427	ppm		96
116) Fluoranthene	10.320	202	26070	2.464	ppm		96
118) Methyl Parathion	9.450	109	6006	2.580	ppm		85
119) Ethyl Parathion	9.829	97	4444	2.555	ppm		96
120) Methapyrilene	9.941	58	6664	2.634	ppm		91
121) Isodrin	10.139	193	2668	2.485	ppm		93
122) Benzidine	10.486	184	16409	2.382	ppm		90
123) Pyrene	10.588	202	25727	2.386	ppm		98
125) Aramite	10.833	185	3704m	2.507	ppm		
126) p-(Dimethylamino)azobe...	10.951	120	7604	2.374	ppm		97
127) Chlorobenzilate	11.004	139	9073	2.425	ppm		89
128) Butyl benzyl phthalate	11.437	149	15735	2.631	ppm		86
129) 3,3-Dimethylbenzidine	11.431	212	14983	2.285	ppm		99
130) 2-Acetylaminofluorene	11.827	181	11146	2.333	ppm		94
131) 3,3'-Dichlorobenzidine	12.313	252	9753	2.497	ppm		92
132) Benzo(a)anthracene	12.329	228	26022	2.610	ppm		93
133) Chrysene	12.393	228	24184	2.637	ppm		95
134) bis(2-Ethylhexyl)phtha...	12.403	149	20931	2.543	ppm		85
136) Di-n-octyl phthalate	13.723	149	35565	2.512	ppm		98
137) 7,12-Dimethylbenz(a)an...	14.433	256	10405	2.307	ppm		81
138) Benzo(b)Fluoranthene	14.454	252	26212	2.640	ppm		96
139) Benzo(k)fluoranthene	14.513	252	24151	2.568	ppm		97
140) Benzo(a)pyrene	15.154	252	20847	2.442	ppm		97
141) 3-Methylcholanthrene	15.939	268	12482	2.496	ppm		97
142) Indeno(1,2,3-cd)Pyrene	17.248	276	20220	2.415	ppm		94
143) Dibenz(a,h)anthracene	17.296	278	22715	2.589	ppm		96
144) Benzo(g,h,i)perylene	17.712	276	19696	2.729	ppm		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

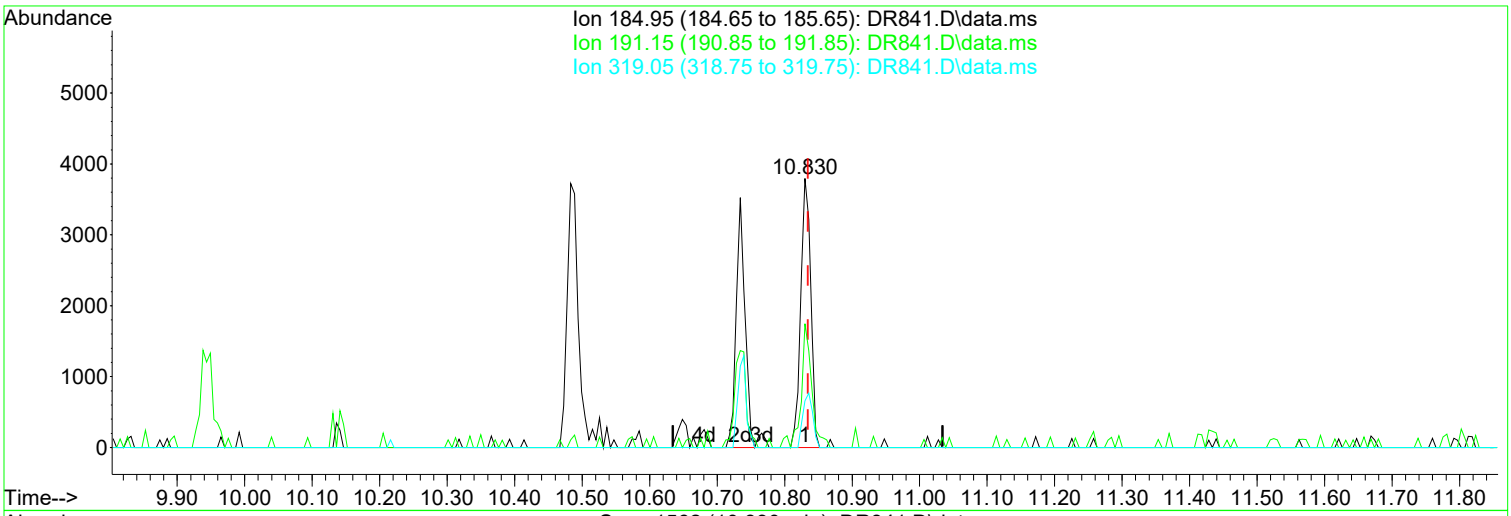
Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

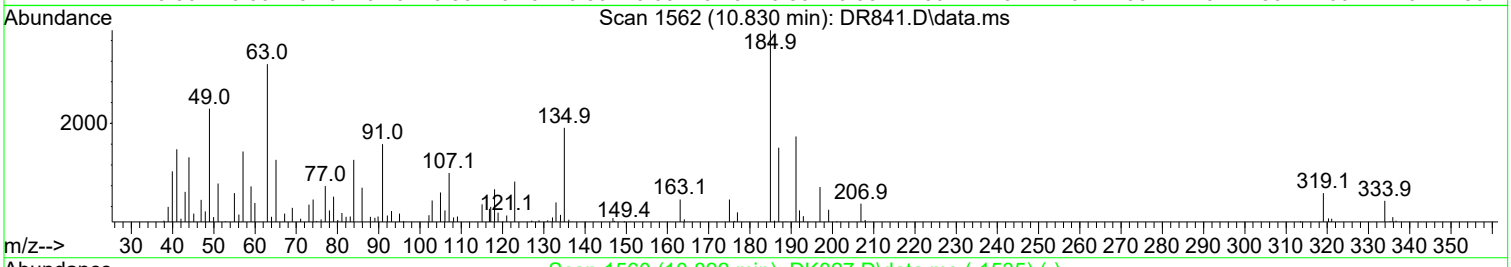


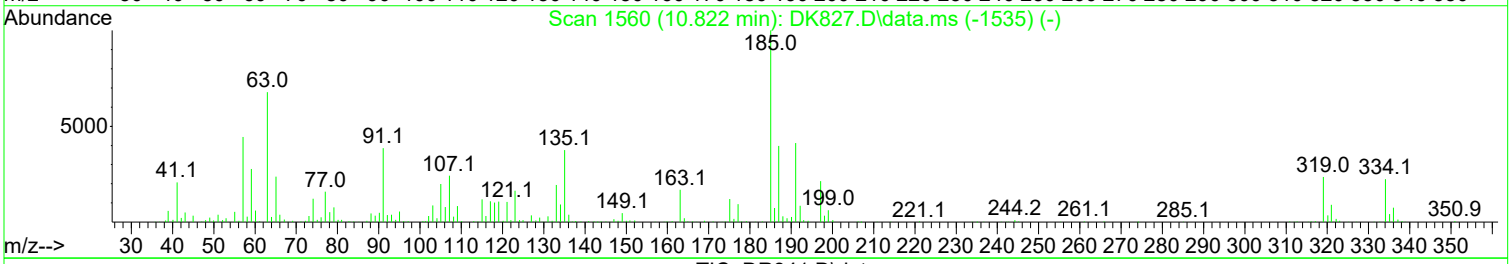
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR841.D
Acq On : 30 Apr 2019 10:38 am
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 08:53:42 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR841.D\data.ms

(125) Aramite (TM)

10.830min (-0.005) 4.90 ppm m

response 7296

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	46.06
319.05	16.80	17.39
0.00	0.00	0.00

Manual Integration:

After

Split Peak.

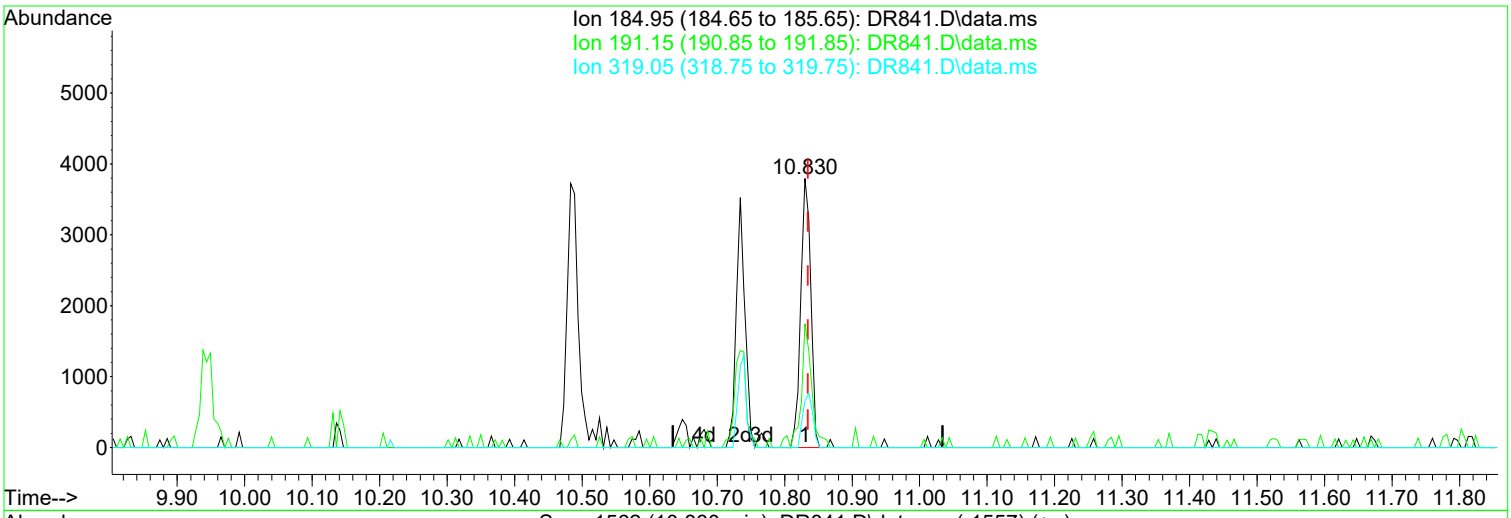
05/01/19

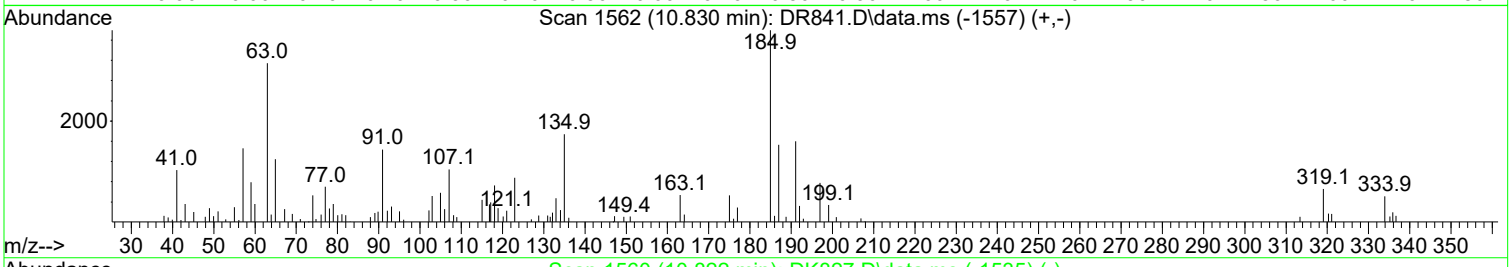
1st DM 05/01/19
2nd BA 05/01/19

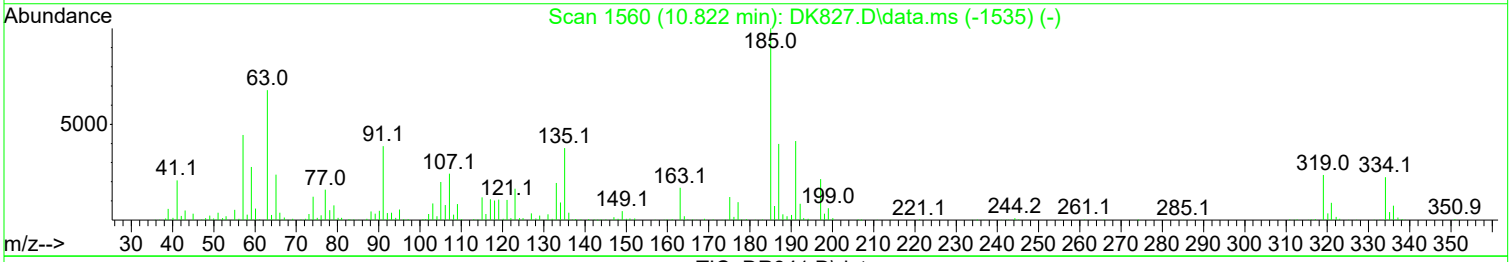
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR841.D
Acq On : 30 Apr 2019 10:38 am
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 08:53:42 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR841.D\data.ms

(125) Aramite (TM)

10.830min (-0.005) 2.63 ppm

response 3923

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	42.11
319.05	16.80	17.39
0.00	0.00	0.00

Manual Integration:

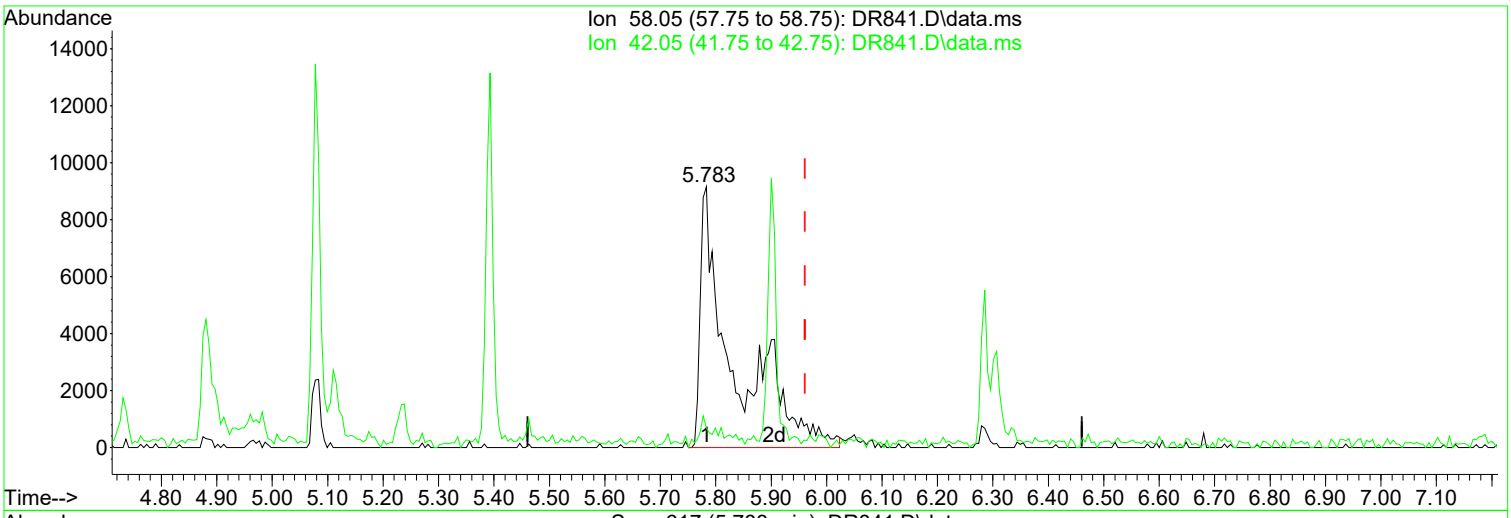
Before

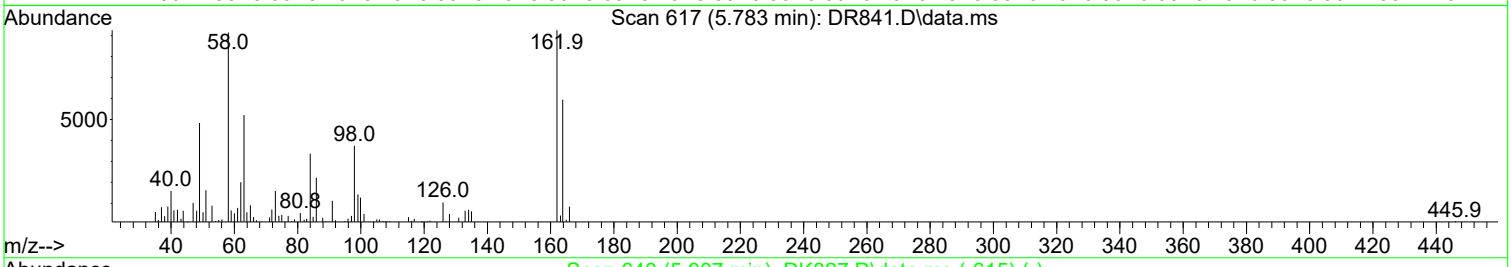
05/01/19

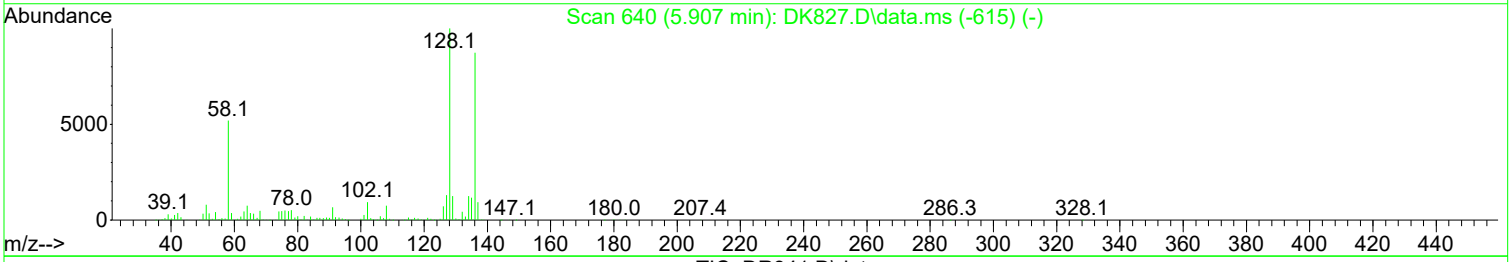
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR841.D
Acq On : 30 Apr 2019 10:38 am
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 08:53:42 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR841.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.783min (-0.178) 4.87 ppm m

response 37152

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	7.51
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

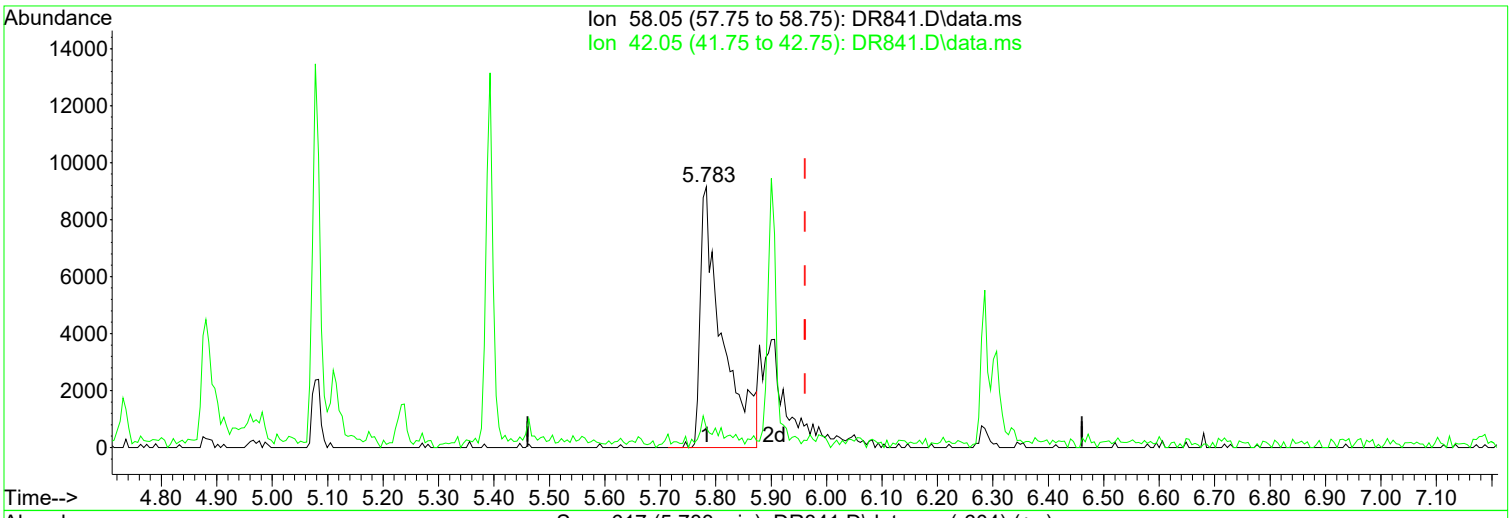
Poor integration.

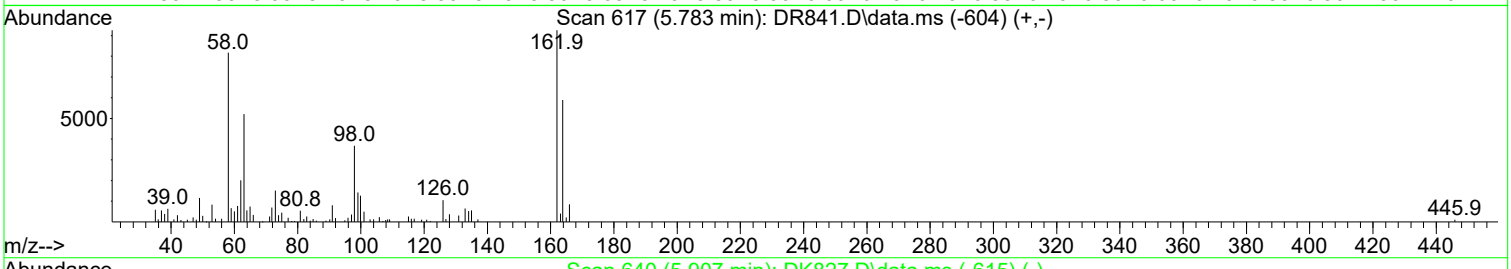
05/01/19

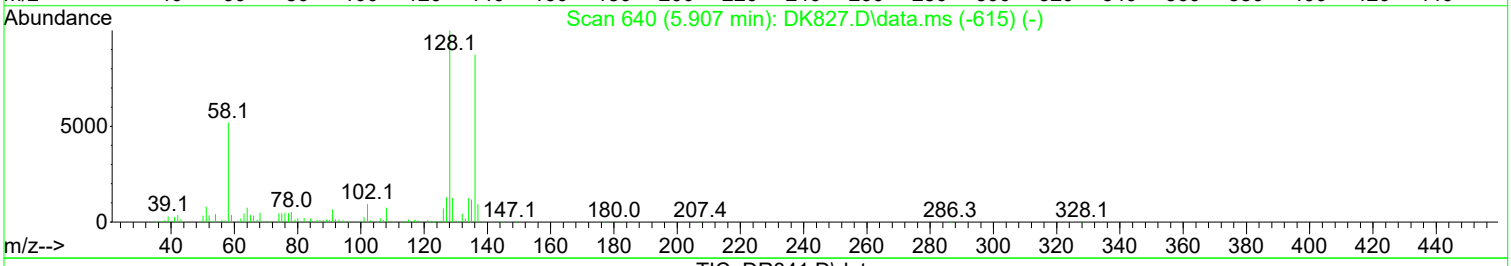
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR841.D
Acq On : 30 Apr 2019 10:38 am
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 08:53:42 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR841.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.783min (-0.178) 3.27 ppm

response 24966

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	4.07
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

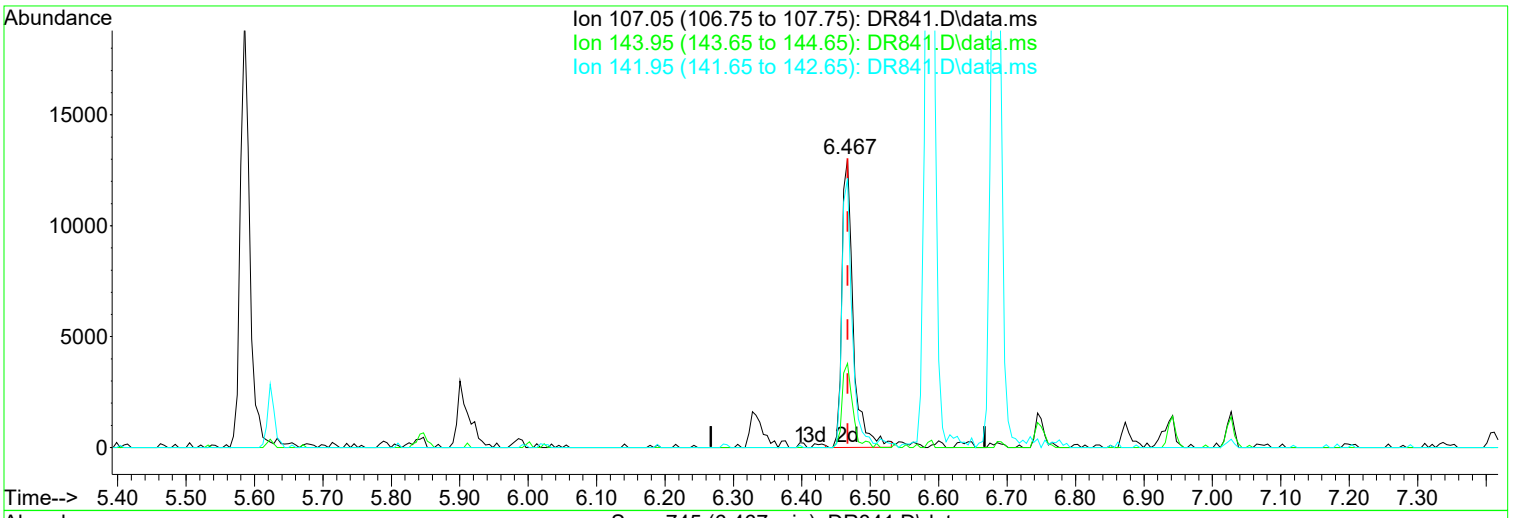
Before

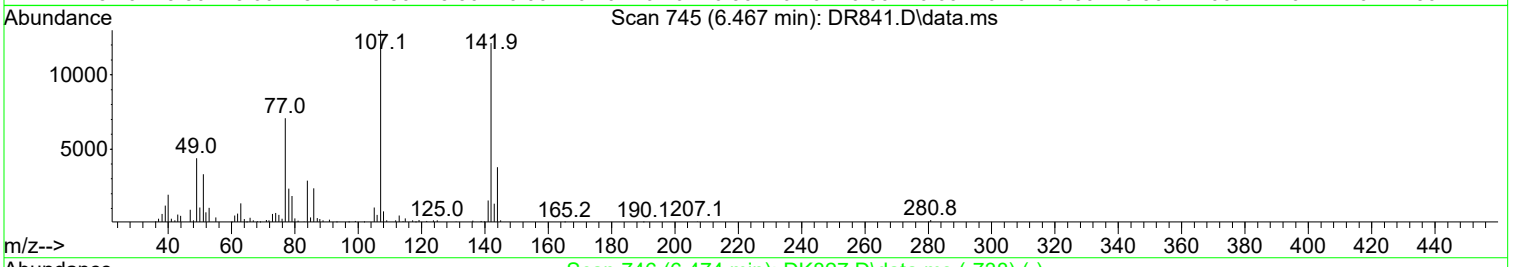
05/01/19

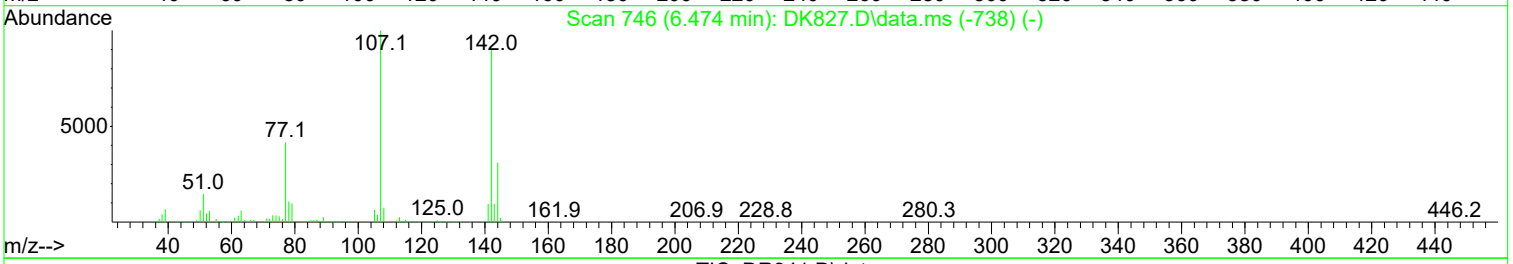
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR841.D
Acq On : 30 Apr 2019 10:38 am
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 08:53:42 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR841.D\data.ms

(50) 4-Chloro-3-methylphenol (TMC)

6.467min (-0.001) 4.96 ppm m

response 14966

Ion	Exp%	Act%
107.05	100.00	100.00
143.95	28.90	29.18
141.95	49.90	93.32#
0.00	0.00	0.00

Manual Integration:

After

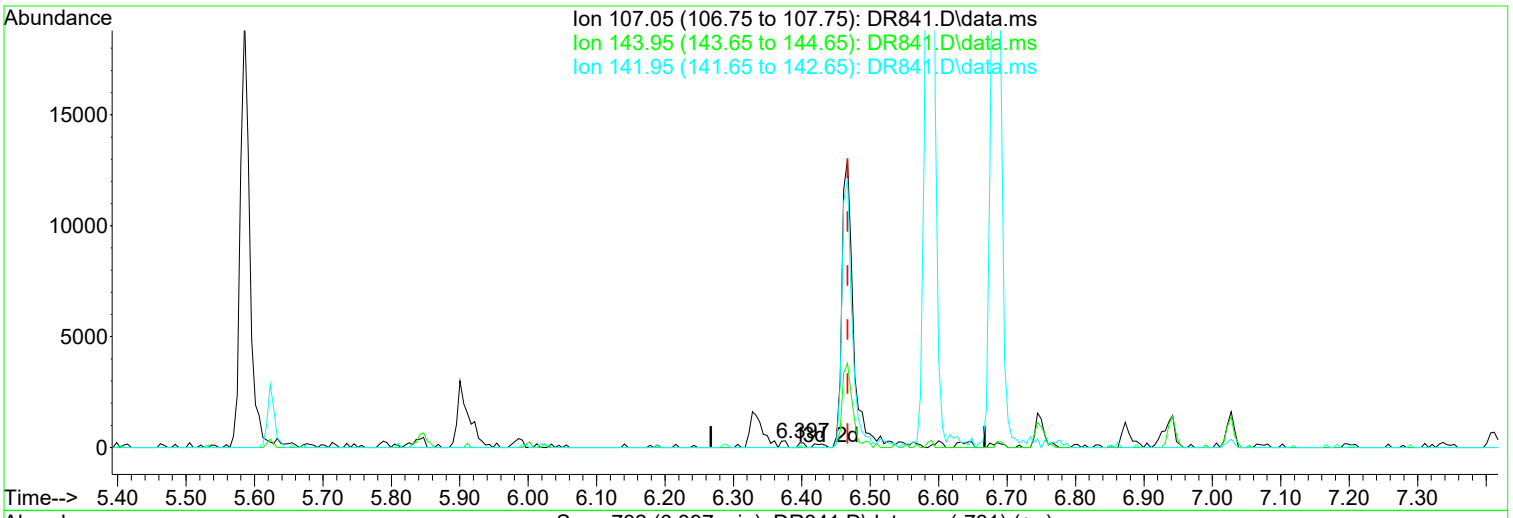
Peak not found.

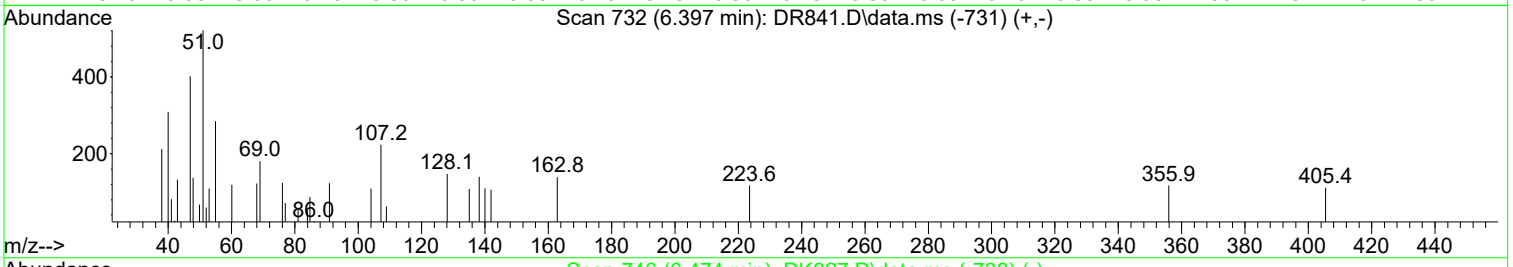
05/01/19

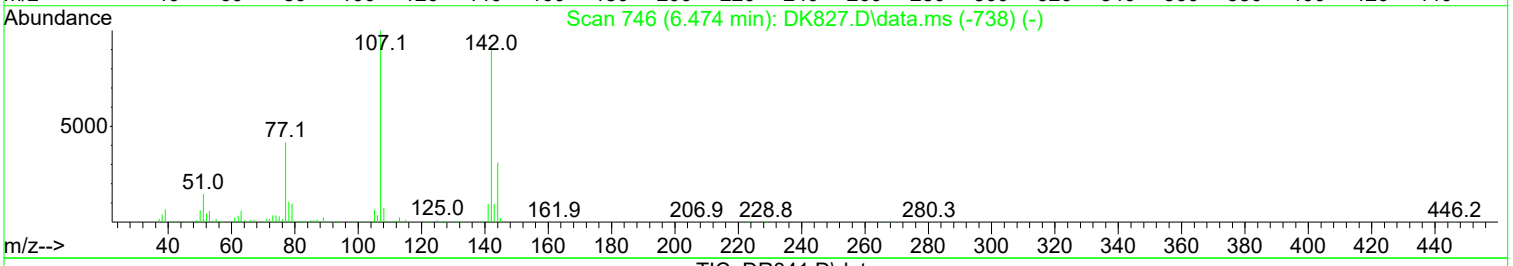
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR841.D
Acq On : 30 Apr 2019 10:38 am
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 08:53:42 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR841.D\data.ms

(50) 4-Chloro-3-methylphenol (TMC)

6.397min (-0.070) 0.04 ppm

response 135

Ion	Exp%	Act%
107.05	100.00	100.00
143.95	28.90	0.00
141.95	49.90	47.53
0.00	0.00	0.00

Manual Integration:

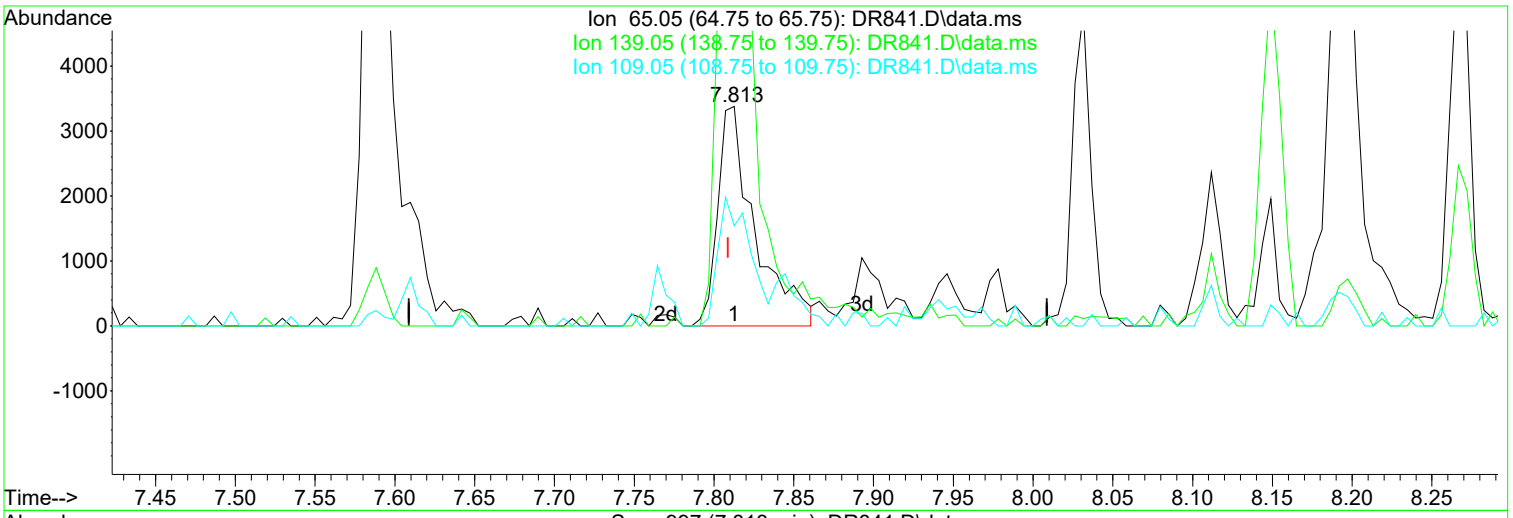
Before

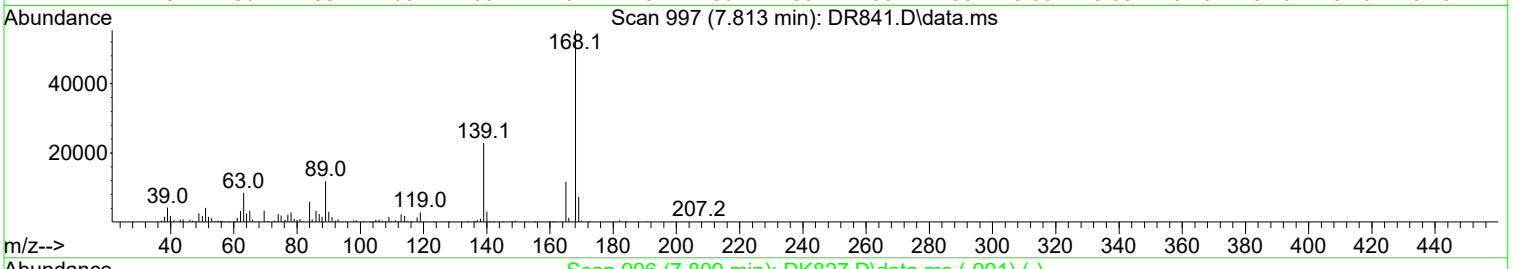
05/01/19

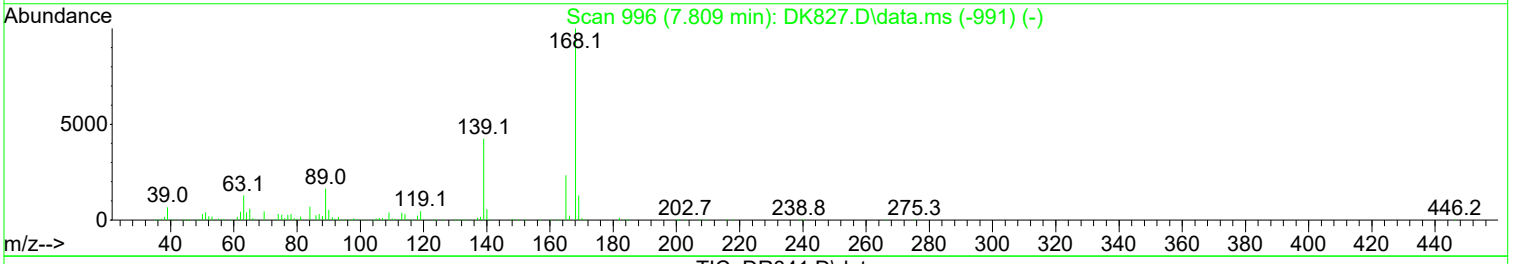
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR841.D
Acq On : 30 Apr 2019 10:38 am
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 08:53:42 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR841.D\data.ms

(78) 4-Nitrophenol (TMP)

7.813min (+ 0.004) 4.17 ppm m

response 5503

Ion	Exp%	Act%
65.05	100.00	100.00
139.05	423.70	677.25#
109.05	68.90	45.65
0.00	0.00	0.00

Manual Integration:

After

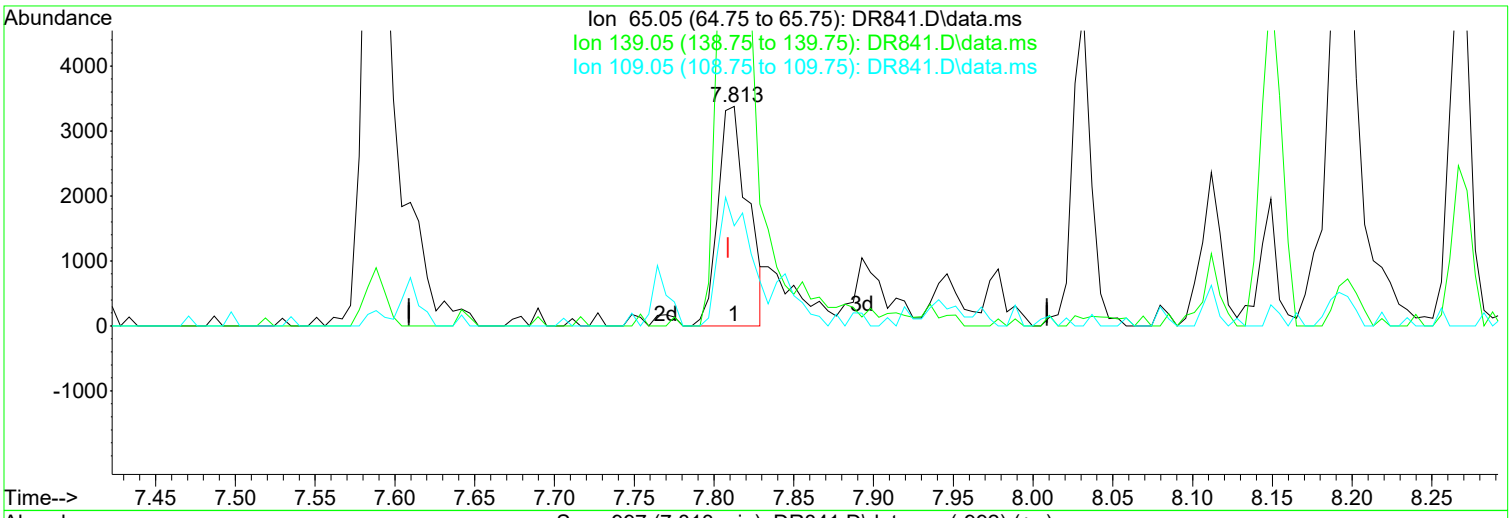
Poor integration.

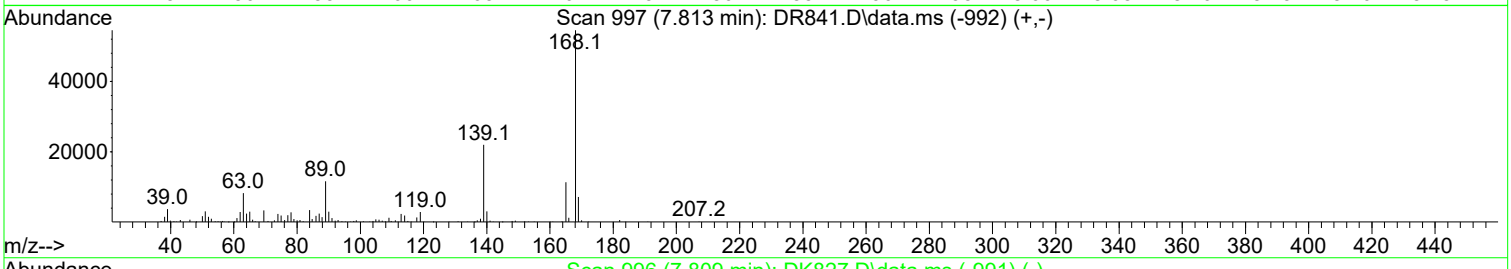
05/01/19

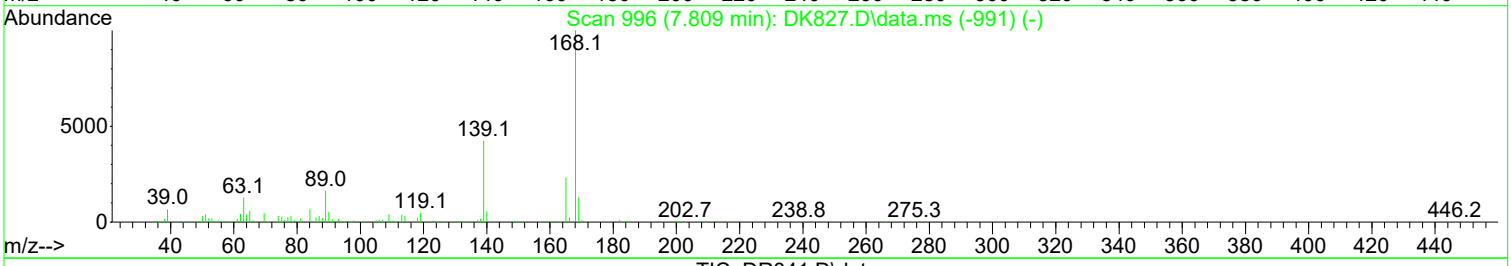
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR841.D
Acq On : 30 Apr 2019 10:38 am
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 08:53:42 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR841.D\data.ms

(78) 4-Nitrophenol (TMP)

7.813min (+ 0.004) 3.31 ppm

response 4368

Ion	Exp%	Act%
65.05	100.00	100.00
139.05	423.70	750.52#
109.05	68.90	54.48
0.00	0.00	0.00

Manual Integration:

Before

05/01/19

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR841.D
Acq On : 30 Apr 2019 10:38 am
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 08:53:42 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.731	152	107680	40.00	ppm		0.00
33) d8-Naphthalene	5.901	136	402250	40.00	ppm		0.00
57) d10-Acenaphthene	7.610	164	202008	40.00	ppm		0.00
91) d10-Phenanthrene	9.084	188	315533	40.00	ppm		0.00
117) d12-Chrysene	12.352	240	296135	40.00	ppm		0.00
135) d12-Perylene	15.290	264	302163	40.00	ppm		0.00
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.663	112	19693	5.03	ppm		0.00
Spiked Amount 100.000	Range 10 - 70		Recovery = 5.03%#				
12) SURR2,PHENOL-D6	4.426	99	23783	4.94	ppm		0.00
Spiked Amount 100.000	Range 10 - 107		Recovery = 4.94%#				
34) SURR4,NITROBENZENE-D5	5.233	82	20943	5.13	ppm		0.00
Spiked Amount 50.000	Range 31 - 110		Recovery = 10.26%#				
63) SURR5,2-FLUOROBIPHENYL	6.942	172	40231	5.24	ppm		0.00
Spiked Amount 50.000	Range 31 - 118		Recovery = 10.48%#				
88) SURR3,2,4,6-TRIBROMOPH...	8.395	330	3916	4.73	ppm		0.00
Spiked Amount 100.000	Range 35 - 141		Recovery = 4.73%#				
124) SURR6,TERPHENYL-D14	10.766	244	34360	4.93	ppm		0.00
Spiked Amount 50.000	Range 10 - 165		Recovery = 9.86%#				
Target Compounds							Qvalue
2) Pyridine	2.637	79	21419	5.182	ppm		94
3) N-Nitrosodimethylamine	2.600	74	10813	4.301	ppm		87
4) 2-Picoline	3.209	93	21435	5.012	ppm		95
5) N-Nitrosomethylamine	3.283	42	8303	4.776	ppm	#	73
6) Methyl Methansulfonate	3.524	80	9939	5.102	ppm		86
8) N-Nitrosodiethylamine	3.833	102	8958	4.691	ppm		90
9) Ethyl Mathanesulfonate	4.074	79	15868	4.820	ppm		87
10) Benzaldehyde	4.362	106	28046	10.182	ppm		100
11) Aniline	4.453	93	30721	5.003	ppm		98
13) Phenol	4.437	94	26166	4.972	ppm		94
14) bis(2-Clethyl)Ether	4.496	93	17614	4.837	ppm		91
15) Pentachloroethane	4.490	117	7298	4.978	ppm		95
16) 2-Chlorophenol	4.560	128	19686	4.762	ppm		94
17) 1,3-Diclbenzene	4.683	146	22167	5.153	ppm		97
18) 1,4-Dichlorobenzene	4.747	146	22452	5.100	ppm		96
19) 1,2-Diclbenzene	4.880	146	21300	5.064	ppm		96
20) Benzyl Alcohol	4.859	79	12859	4.593	ppm		95
21) 1-Methyl-2-pyrrolidinone	4.880	99	12499	4.885	ppm		97
22) 2,2'-oxybis(1-Chloropr...	4.960	45	19339	5.527	ppm	#	63
23) 2-Methylphenol	4.960	108	18359	4.950	ppm		94
24) 3+4-Methylphenol	5.105	108	20094	4.788	ppm		99
25) Acetophenone	5.089	105	27640	5.303	ppm		98
26) N-Nitroso-Di-n-propyla...	5.078	70	13705	4.875	ppm		97
27) N-Nitrosopyrrolidine	5.083	100	10242	5.010	ppm		94
28) N-Nitrosomorpholine	5.110	56	10432	5.184	ppm		94
29) o-Toluidine	5.121	106	31153	5.382	ppm		81
30) Hexachloroethane	5.179	117	8685	5.125	ppm		86
31) o,o,o-Triethylphosphor...	5.623	198	8641	4.896	ppm		88
32) Alpha-terpinol	5.922	121	7343	5.340	ppm		93
35) Nitrobenzene	5.254	77	21051	5.135	ppm		99
36) N-Nitrosopiperidine	5.393	42	11074	4.969	ppm		95
37) Isophorone	5.463	82	35984	5.266	ppm		99
38) 2-Nitrophenol	5.548	139	10209	4.813	ppm		93

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR841.D
Acq On : 30 Apr 2019 10:38 am
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 08:53:42 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) 2,4-Dimethylphenol	5.585	107	19020	4.979	ppm		93
40) bis(-2-Chloroethoxy)Me...	5.660	93	21942	5.461	ppm		95
42) 2,4-Dichlorophenol	5.788	162	14343	4.740	ppm		96
43) a,a-Dimethylphenethyla...	5.783	58	37152m	4.870	ppm		
44) 1,2,4-Trichlorobenzene	5.842	180	16483	5.167	ppm		96
45) Naphthalene	5.922	128	57722	5.206	ppm		99
46) 4-Chloroaniline	5.981	127	23188	4.998	ppm		96
47) 2,6-Dichlorophenol	5.986	162	16286	5.147	ppm		90
48) Hexachlorobutadiene	6.023	225	8202	5.074	ppm		98
49) Hexachloropropene	5.997	213	9986	4.944	ppm		95
50) 4-Chloro-3-methylphenol	6.467	107	14966m	4.961	ppm		
51) N-N-di-n-butylamine	6.285	84	11913	4.971	ppm		97
52) Caprolactam	6.306	113	6449	5.377	ppm		77
53) p-Phenylenediamine	6.328	80	4067	5.135	ppm	#	72
54) Safrole	6.499	162	14151	4.973	ppm		95
55) 2-Methylnaphthalene	6.589	142	37260	5.193	ppm		97
56) 1-Methylnaphthalene	6.686	142	34539	5.145	ppm		98
58) Hexachlorocyclopentadiene	6.728	237	3707	3.975	ppm		100
59) 1,2,4,5-Tetrachloroben...	6.750	216	15624	5.255	ppm		98
60) 1,2,3,4-Tetrachloroben...	7.027	216	16165	5.163	ppm		95
61) 2,4,6-Trichlorophenol	6.873	196	8903	4.728	ppm		90
62) 2,4,5-Trichlorophenol	6.931	196	10089	4.981	ppm		95
64) Isosafrole	7.006	104	6348	4.886	ppm		89
65) 1,1'-Biphenyl	7.043	154	45697	5.106	ppm		100
66) 2-Chloronaphthalene	7.065	162	32594	5.039	ppm		98
67) 2-Nitroaniline	7.177	65	9331	5.047	ppm		85
68) 1,4-Naphthoquinone	7.252	158	9895	4.873	ppm		80
69) m-Dinitrobenzene	7.396	168	6328	4.980	ppm		81
70) Acenaphthylene	7.476	152	51818	5.002	ppm		98
71) Dimethyl phthalate	7.343	163	39205	5.184	ppm		99
72) 2,6-Dinitrotoluene	7.412	165	8454	4.924	ppm		93
73) Acenaphthene	7.642	153	36331	5.041	ppm		96
74) 3-Nitroaniline	7.588	138	9816	4.974	ppm		94
75) 2,4-Dinitrophenol	7.711	184	1119	4.551	ppm		67
76) Dibenzofuran	7.813	168	45697	5.135	ppm		96
77) 2,4-Dinitrotoluene	7.813	165	10774	4.752	ppm		81
78) 4-Nitrophenol	7.813	65	5503m	4.172	ppm		
79) Pentachlorobenzene	7.770	250	11556	4.850	ppm		96
80) 1-Napthylamine	7.898	143	24762	5.284	ppm		99
81) 2-Napthylamine	7.978	143	31751	5.317	ppm		98
82) 2,3,4,6-Tetrachlorophenol	7.946	232	5430	3.923	ppm		91
83) Fluorene	8.149	166	38134	5.212	ppm		99
84) 4-Chlorophenyl-phenyle...	8.149	204	15152	5.133	ppm		99
85) Diethylphthalate	8.032	149	38614	5.156	ppm		97
86) 4-Nitroaniline	8.197	138	9286	4.770	ppm		98
87) 5-Nitro-o-toluidine	8.181	152	11237	5.085	ppm		93
89) Sulfotepp	8.416	322	4652	4.977	ppm		71
90) Octachlorocyclopentene	8.389	307	5160	5.423	ppm		84
92) Thionazin	8.112	107	6632	5.357	ppm		88
93) 4,6-Dinitro-2-methylph...	8.219	198	3447	2.834	ppm	#	57
94) Diphenylamine	8.267	169	58971	10.576	ppm		100
95) 1,2 Diphenylhydrazine	8.304	77	39152	5.564	ppm		96
96) N-Nitrosodiphenylamine	8.267	169	58971	10.576	ppm		100
97) 1,3,5-Trinirobenzene	8.582	74	4601	4.572	ppm		88
98) Diallate	8.539	86	16096	5.660	ppm		98
99) Phorate	8.555	121	8683	5.950	ppm	#	75

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR841.D
Acq On : 30 Apr 2019 10:38 am
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 08:53:42 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

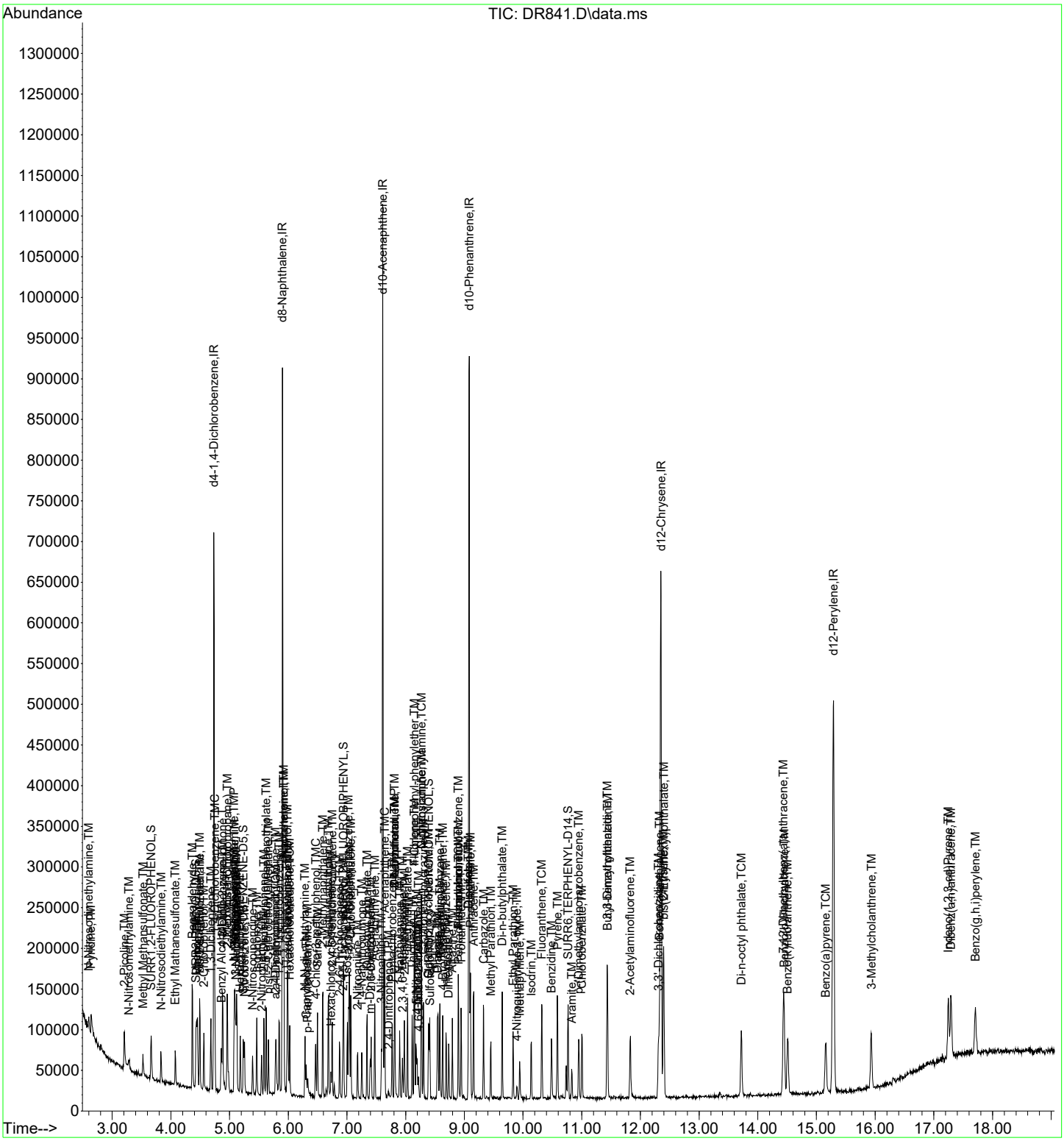
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
100) Phenacetin	8.582	108	18443	5.016	ppm		99
101) 4-Bromophenyl-phenylether	8.635	248	8848	5.363	ppm		87
102) Hexachlorobenzene	8.689	284	9436	5.086	ppm		93
103) Dimethoate	8.731	87	13122	5.443	ppm		97
104) Atrazine	8.795	215	4511	5.000	ppm		90
105) Pentachlorophenol	8.902	266	1252	5.256	ppm	#	69
106) 4-Aminobiphenyl	8.897	169	28747	5.074	ppm		93
107) Pentachloronitrobenzene	8.897	237	3129	4.565	ppm		78
108) Pronamide	8.945	173	14975	4.642	ppm		95
109) Dinoseb	9.068	211	4810	3.005	ppm		92
110) Disulfoton	9.068	88	20588	5.629	ppm		90
111) Phenanthrene	9.105	178	49785	4.989	ppm		100
112) Anthracene	9.159	178	50145	5.058	ppm		95
113) Carbazole	9.329	167	48414	4.971	ppm		96
114) Di-n-butylphthalate	9.645	149	61218	4.863	ppm		99
115) 4-Nitroquinonline-1-oxide	9.896	190	1352	2.291	ppm		73
116) Fluoranthene	10.318	202	47060	4.607	ppm		98
118) Methyl Parathion	9.452	109	12089	5.149	ppm		90
119) Ethyl Parathion	9.832	97	8007	4.565	ppm		96
120) Methapyrilene	9.944	58	13271	5.201	ppm		96
121) Isodrin	10.141	193	5146	4.753	ppm		96
122) Benzidine	10.483	184	32654	4.699	ppm		98
123) Pyrene	10.585	202	52540	4.832	ppm		97
125) Aramite	10.830	185	7296m	4.896	ppm		
126) p-(Dimethylamino)azobe...	10.948	120	14597	4.518	ppm		99
127) Chlorobenzilate	11.001	139	18537	4.912	ppm		90
128) Butyl benzyl phthalate	11.439	149	30096	4.989	ppm		95
129) 3,3-Dimethylbenzidine	11.434	212	31410	4.749	ppm		99
130) 2-Acetylaminofluorene	11.824	181	23444	4.866	ppm		94
131) 3,3'-Dichlorobenzidine	12.310	252	18580	4.717	ppm		95
132) Benzo(a)anthracene	12.326	228	49492	4.922	ppm		98
133) Chrysene	12.395	228	45808	4.952	ppm		96
134) bis(2-Ethylhexyl)phtha...	12.401	149	39931	4.810	ppm		98
136) Di-n-octyl phthalate	13.720	149	67150	4.683	ppm		99
137) 7,12-Dimethylbenz(a)an...	14.436	256	23404	5.124	ppm		93
138) Benzo(b)Fluoranthene	14.452	252	49069	4.880	ppm		98
139) Benzo(k)fluoranthene	14.505	252	46635	4.897	ppm		97
140) Benzo(a)pyrene	15.157	252	42505	4.915	ppm		98
141) 3-Methylcholanthrene	15.936	268	24191	4.776	ppm		96
142) Indeno(1,2,3-cd)Pyrene	17.245	276	42682	5.033	ppm		93
143) Dibenz(a,h)anthracene	17.288	278	45300	5.098	ppm		99
144) Benzo(g,h,i)perylene	17.710	276	37157	5.084	ppm		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR841.D
Acq On : 30 Apr 2019 10:38 am
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 7 Sample Multiplier: 1

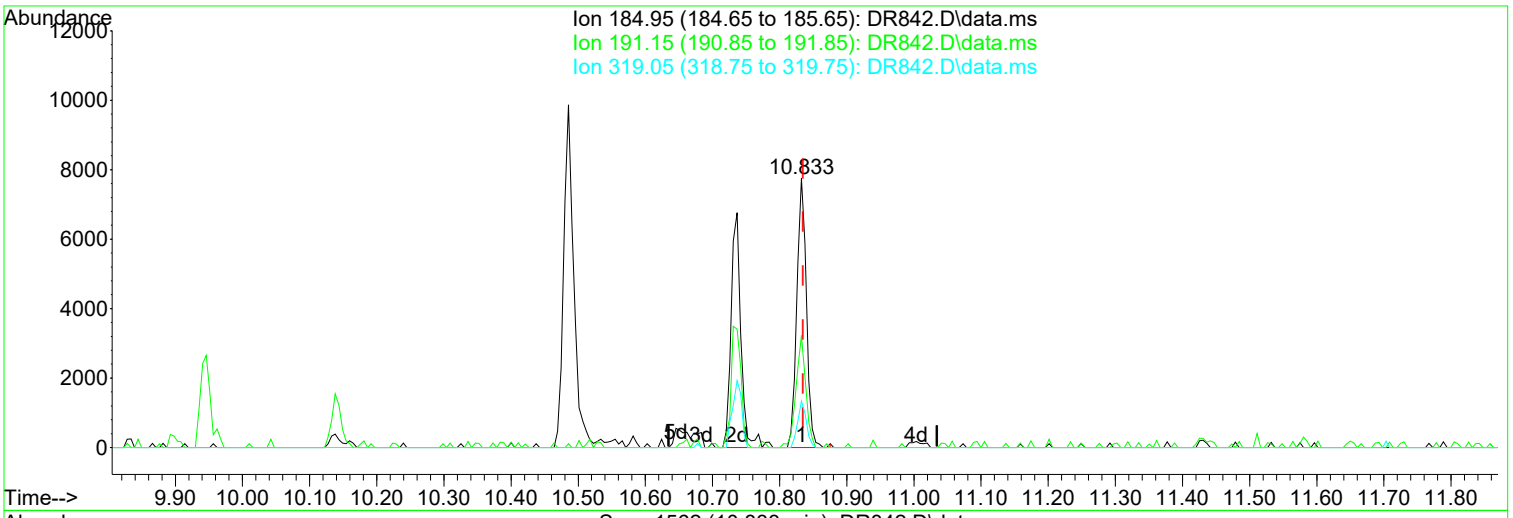
Quant Time: May 01 08:53:42 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

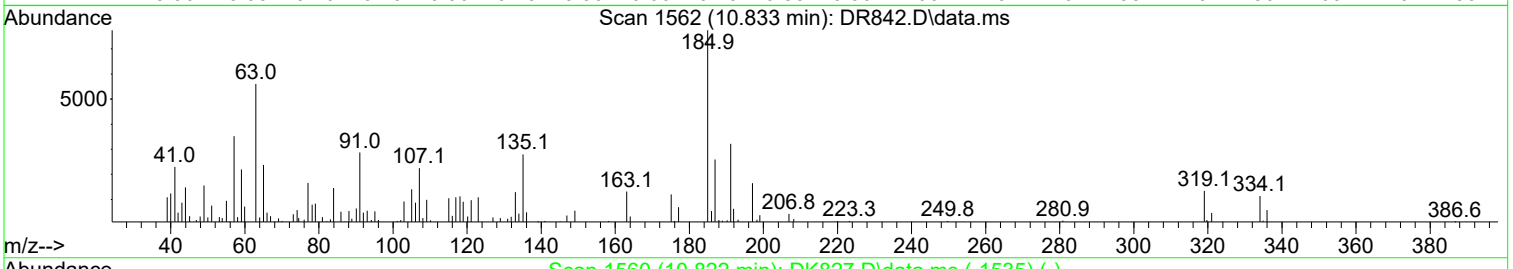


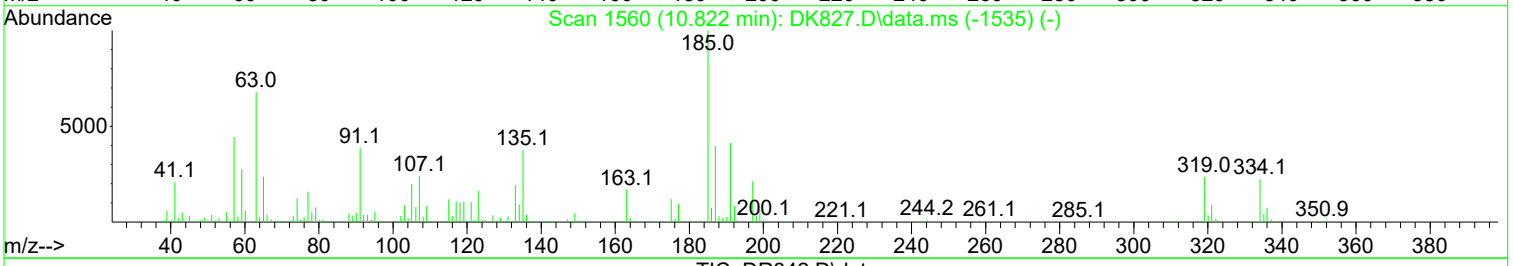
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR842.D
Acq On : 30 Apr 2019 11:08 am
Operator : JMisiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 01 08:53:47 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR842.D\data.ms

(125) Aramite (TM)

10.833min (-0.002) 9.67 ppm m

response 14625

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	41.59
319.05	16.80	17.26
0.00	0.00	0.00

Manual Integration:

After

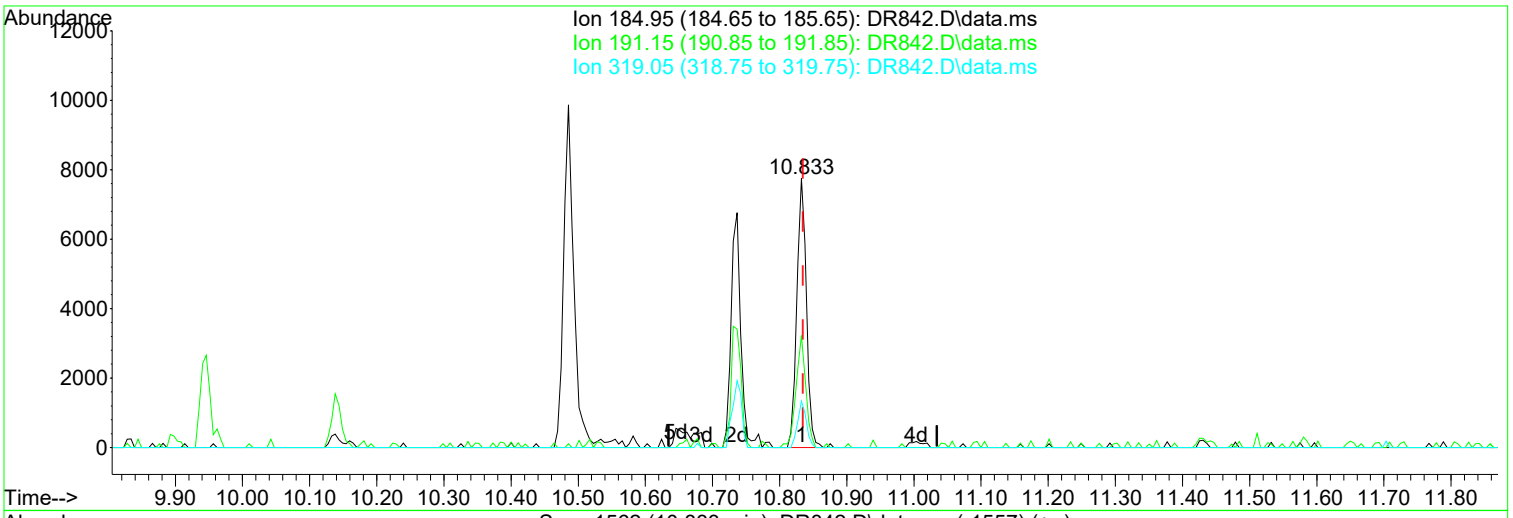
Split Peak.

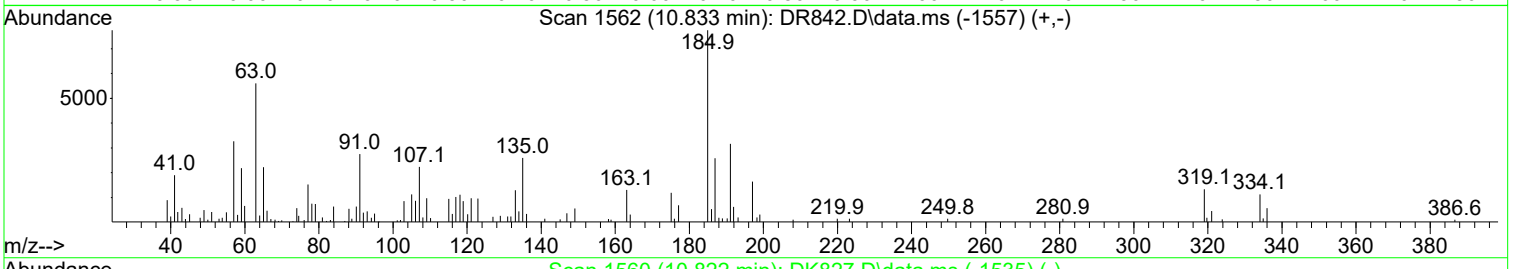
05/01/19

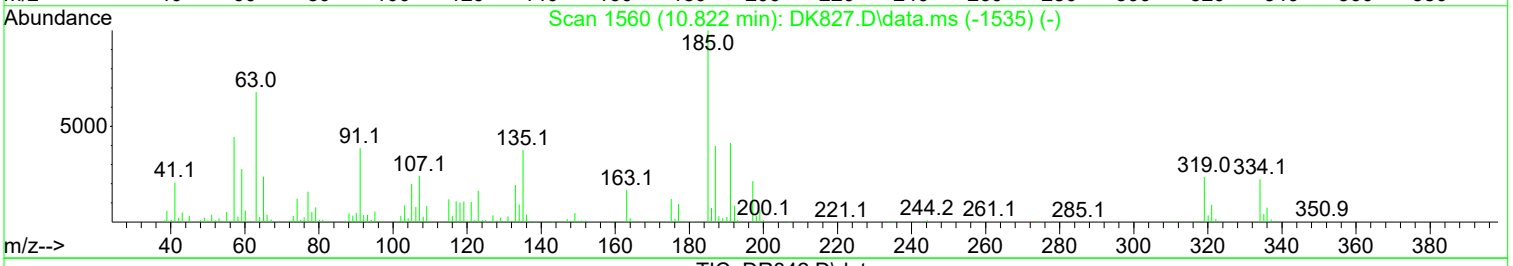
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR842.D
Acq On : 30 Apr 2019 11:08 am
Operator : JMisiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 01 08:53:47 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR842.D\data.ms

(125) Aramite (TM)

10.833min (-0.002) 5.09 ppm

response 7700

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	40.20
319.05	16.80	19.66
0.00	0.00	0.00

Manual Integration:

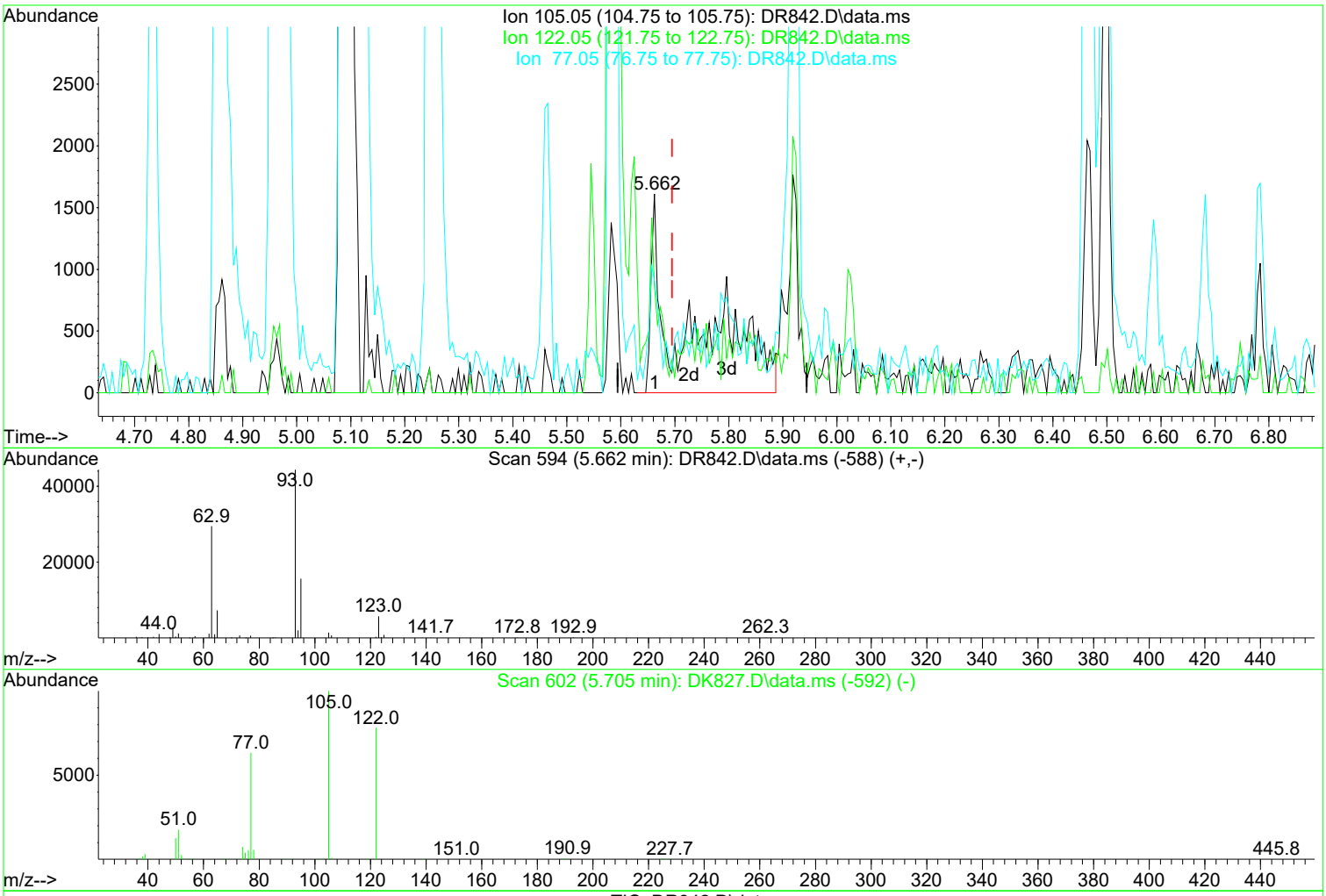
Before

05/01/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR842.D
Acq On : 30 Apr 2019 11:08 am
Operator : JMisiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 01 08:53:47 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR842.D\data.ms

(41) Benzoic Acid (TM)

5.662min (-0.033) 20.14 ppm m

response 6983

Ion	Exp%	Act%
105.05	100.00	100.00
122.05	83.70	53.88
77.05	69.40	56.73
0.00	0.00	0.00

Manual Integration:

After

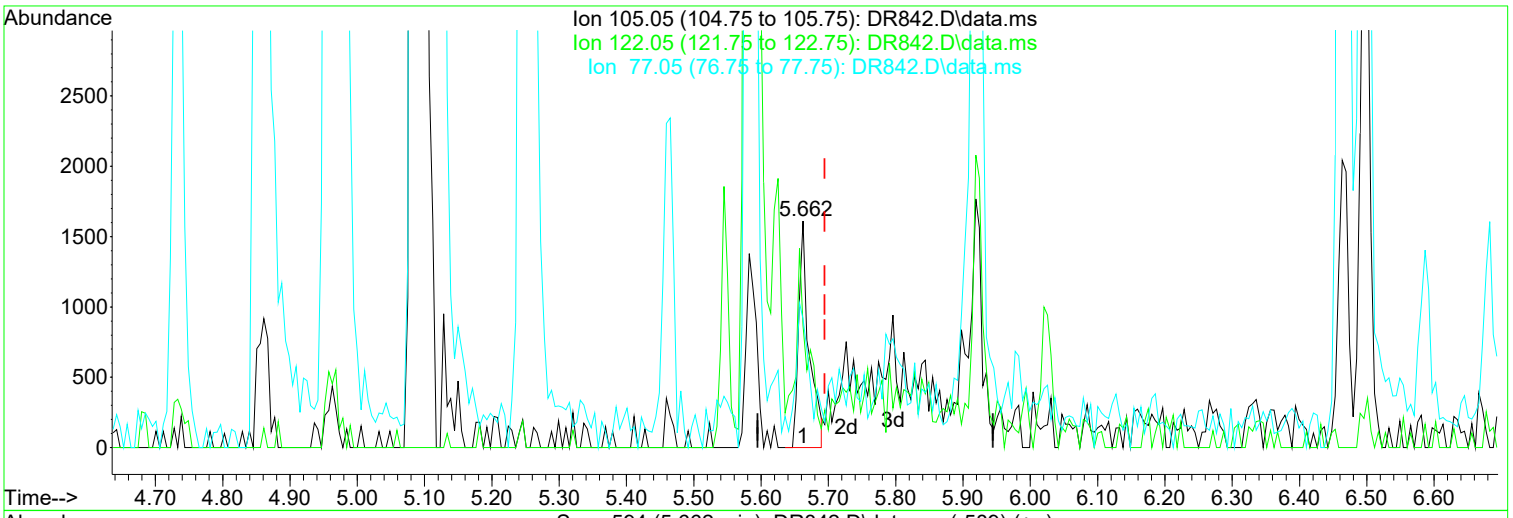
Poor integration.

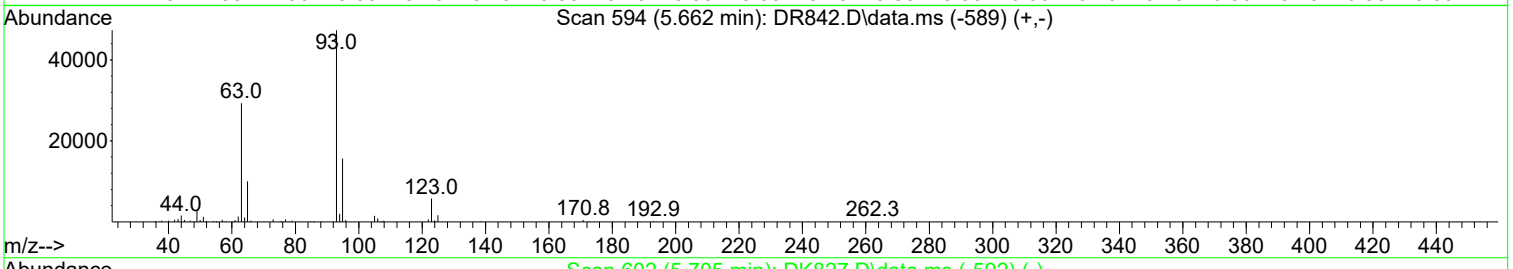
05/01/19

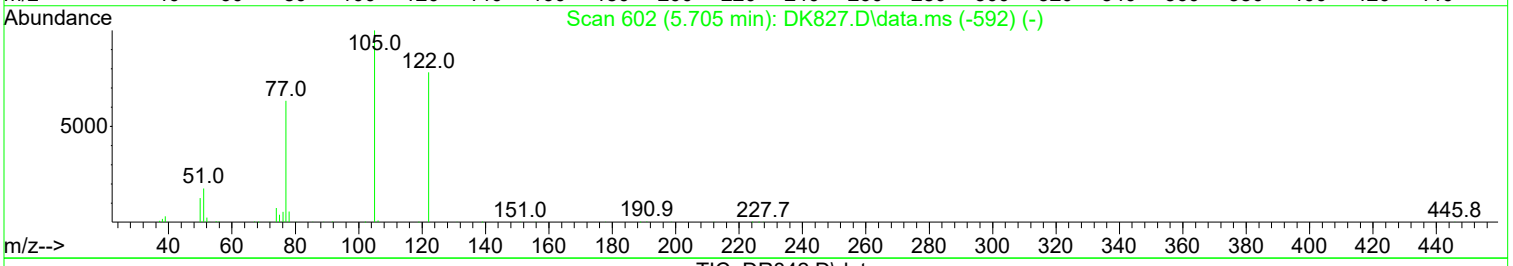
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR842.D
Acq On : 30 Apr 2019 11:08 am
Operator : JMisiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 01 08:53:47 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR842.D\data.ms

(41) Benzoic Acid (TM)

5.662min (-0.033) 17.74 ppm

response 1737

Ion	Exp%	Act%
105.05	100.00	100.00
122.05	83.70	44.97#
77.05	69.40	44.08
0.00	0.00	0.00

Manual Integration:

Before

05/01/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR842.D
Acq On : 30 Apr 2019 11:08 am
Operator : JMisiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 01 08:53:47 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
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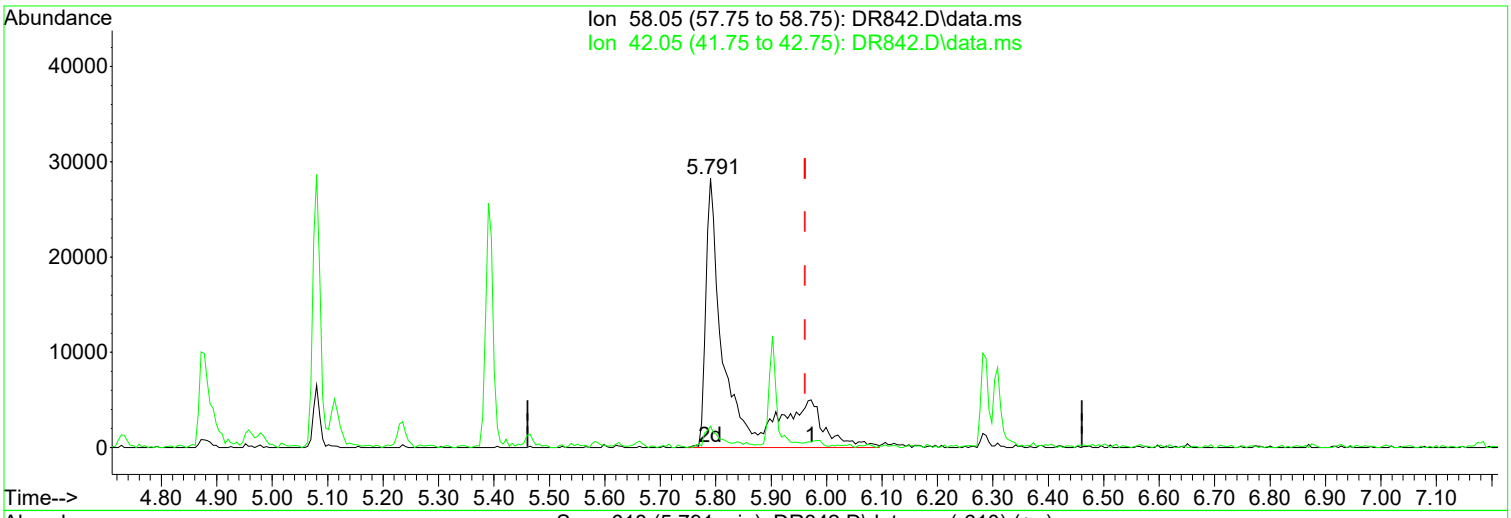
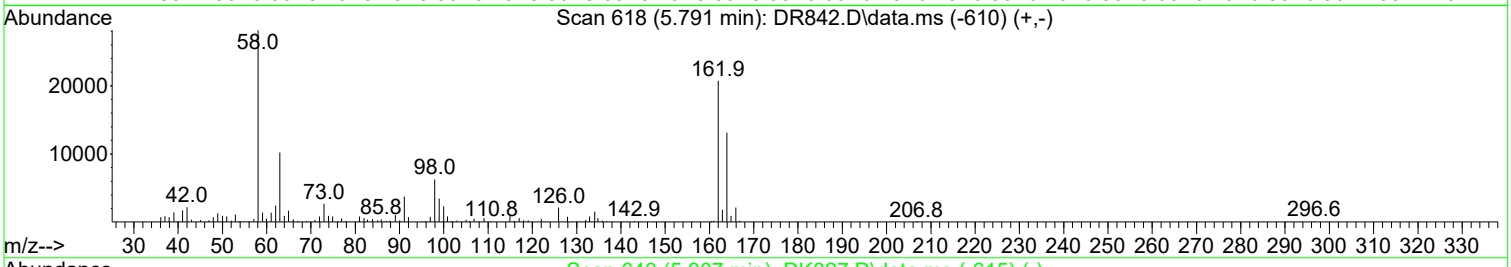
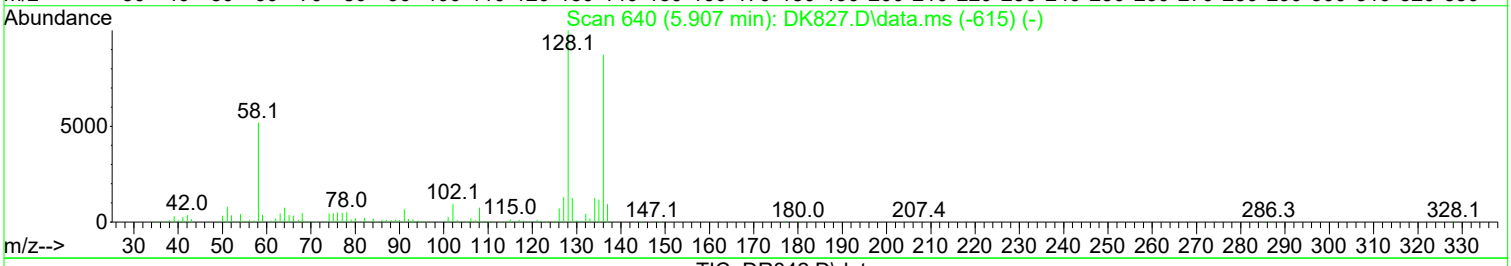






TIC: DR842.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.791min (-0.171) 10.61 ppm m

response 82857

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	8.02
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

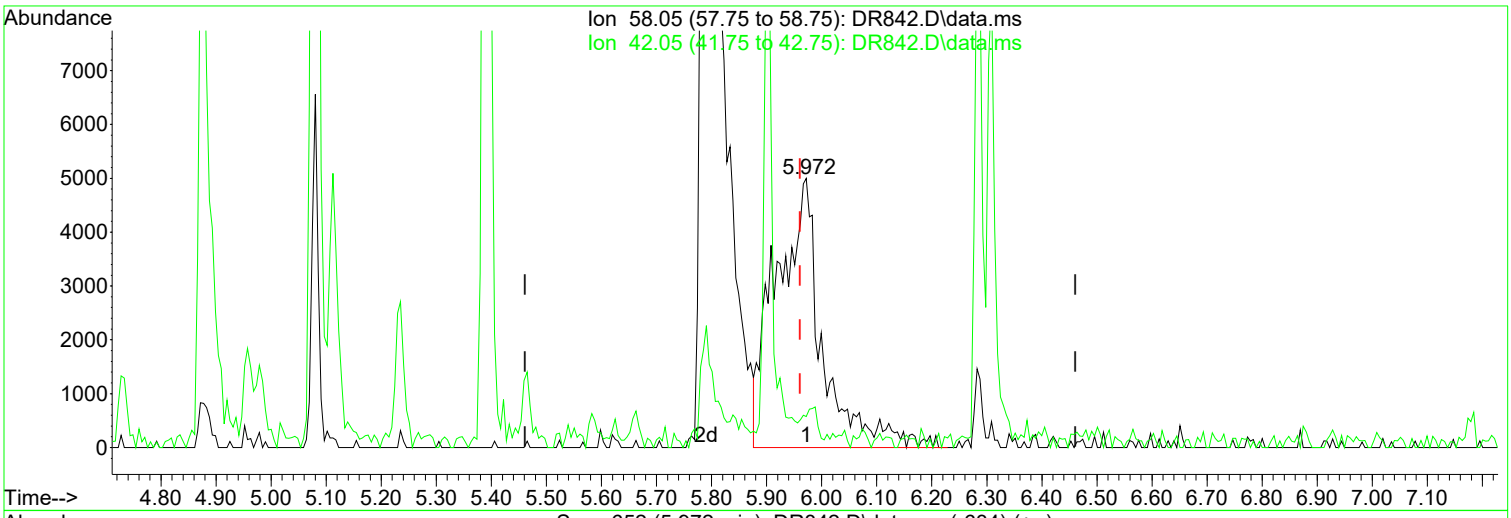
Poor integration.

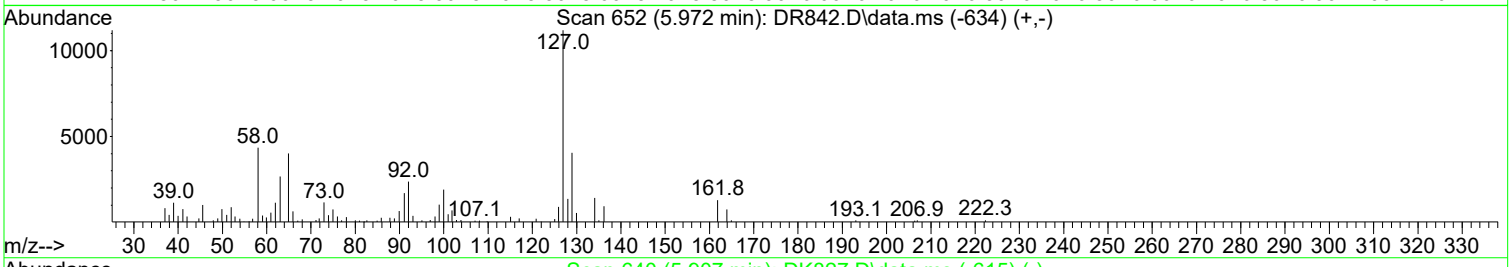
05/01/19

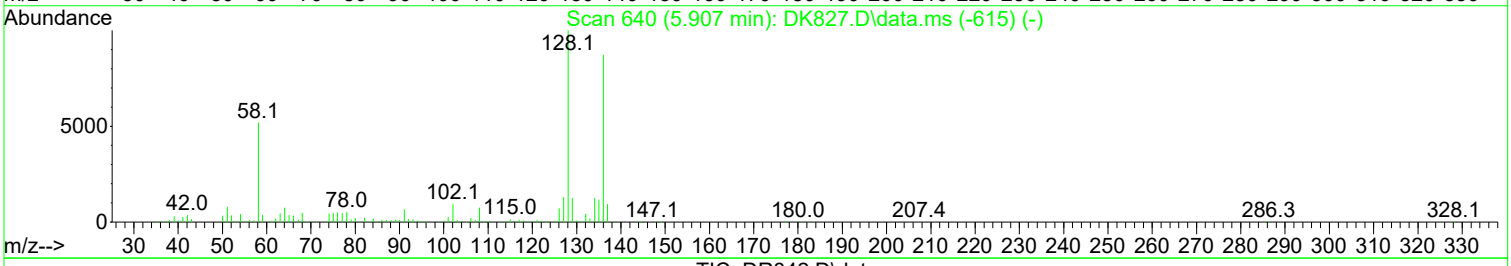
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR842.D
Acq On : 30 Apr 2019 11:08 am
Operator : JMisiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 01 08:53:47 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR842.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.972min (+ 0.011) 3.73 ppm

response 29122

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	7.77
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

05/01/19

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR842.D
Acq On : 30 Apr 2019 11:08 am
Operator : JMisiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 01 08:53:47 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.733	152	108752	40.00	ppm		0.00
33) d8-Naphthalene	5.903	136	411748	40.00	ppm		0.00
57) d10-Acenaphthene	7.612	164	204303	40.00	ppm		0.00
91) d10-Phenanthrene	9.081	188	308447	40.00	ppm		0.00
117) d12-Chrysene	12.349	240	300507	40.00	ppm		0.00
135) d12-Perylene	15.292	264	293083	40.00	ppm		0.00
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.659	112	41166	10.41	ppm		0.00
Spiked Amount 100.000	Range 10 - 70		Recovery = 10.41%				
12) SURR2,PHENOL-D6	4.423	99	48812	10.04	ppm		0.00
Spiked Amount 100.000	Range 10 - 107		Recovery = 10.04%				
34) SURR4,NITROBENZENE-D5	5.235	82	42600	10.20	ppm		0.00
Spiked Amount 50.000	Range 31 - 110		Recovery = 20.40%#				
63) SURR5,2-FLUOROBIPHENYL	6.944	172	79062	10.18	ppm		0.00
Spiked Amount 50.000	Range 31 - 118		Recovery = 20.36%#				
88) SURR3,2,4,6-TRIBROMOPH...	8.397	330	8231	9.84	ppm		0.00
Spiked Amount 100.000	Range 35 - 141		Recovery = 9.84%#				
124) SURR6,TERPHENYL-D14	10.768	244	71122	10.05	ppm		0.00
Spiked Amount 50.000	Range 10 - 165		Recovery = 20.10%				
Target Compounds							Qvalue
2) Pyridine	2.629	79	44030	10.548	ppm		98
3) N-Nitrosodimethylamine	2.591	74	23457	9.239	ppm		94
4) 2-Picoline	3.200	93	43873	10.157	ppm		98
5) N-Nitrosomethylamine	3.286	42	16294	9.280	ppm		92
6) Methyl Methansulfonate	3.521	80	19220	9.768	ppm		97
8) N-Nitrosodiethylamine	3.830	102	19366	10.040	ppm		94
9) Ethyl Mathanesulfonate	4.076	79	32092	9.652	ppm		93
10) Benzaldehyde	4.364	106	56570	20.335	ppm		97
11) Aniline	4.450	93	62763	10.119	ppm		94
13) Phenol	4.434	94	54135	10.186	ppm		96
14) bis(2-Clethyl)Ether	4.493	93	37541	10.208	ppm		96
15) Pentachloroethane	4.487	117	14226	9.608	ppm		91
16) 2-Chlorophenol	4.562	128	41576	9.959	ppm		96
17) 1,3-Diclbenzene	4.680	146	43986	10.124	ppm		93
18) 1,4-Dichlorobenzene	4.749	146	45459	10.224	ppm		97
19) 1,2-Diclbenzene	4.883	146	42622	10.033	ppm		98
20) Benzyl Alcohol	4.856	79	27700	9.797	ppm		95
21) 1-Methyl-2-pyrrolidinone	4.872	99	25205	9.753	ppm		99
22) 2,2'-oxybis(1-Chloropr...	4.957	45	36079	10.210	ppm	#	51
23) 2-Methylphenol	4.963	108	37465	10.001	ppm		91
24) 3+4-Methylphenol	5.102	108	43458	10.253	ppm		98
25) Acetophenone	5.091	105	53078	10.082	ppm		95
26) N-Nitroso-Di-n-propyla...	5.080	70	29395	10.353	ppm		96
27) N-Nitrosopyrrolidine	5.080	100	21762	10.540	ppm		72
28) N-Nitrosomorpholine	5.112	56	20186	9.933	ppm		93
29) o-Toluidine	5.123	106	59468	10.172	ppm		89
30) Hexachloroethane	5.182	117	17415	10.176	ppm		95
31) o,o,o-Triethylphosphor...	5.625	198	18523	10.392	ppm		94
32) Alpha-terpinol	5.924	121	13946	10.041	ppm		93
35) Nitrobenzene	5.251	77	43515	10.370	ppm		95
36) N-Nitrosopiperidine	5.390	42	24405	10.699	ppm		97
37) Isophorone	5.465	82	72562	10.373	ppm		99
38) 2-Nitrophenol	5.545	139	21777	10.029	ppm		93

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR842.D
Acq On : 30 Apr 2019 11:08 am
Operator : JMisiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 01 08:53:47 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) 2,4-Dimethylphenol	5.582	107	39387	10.073	ppm		95
40) bis(-2-Chloroethoxy)Me...	5.662	93	41467	10.082	ppm		100
41) Benzoic Acid	5.662	105	6983m	20.138	ppm		
42) 2,4-Dichlorophenol	5.785	162	30160	9.738	ppm		99
43) a,a-Dimethylphenethyla...	5.791	58	82857m	10.610	ppm		
44) 1,2,4-Trichlorobenzene	5.844	180	33539	10.271	ppm		92
45) Naphthalene	5.924	128	115846	10.208	ppm		98
46) 4-Chloroaniline	5.983	127	47495	10.002	ppm		98
47) 2,6-Dichlorophenol	5.988	162	32488	10.031	ppm		95
48) Hexachlorobutadiene	6.026	225	17847	10.786	ppm		91
49) Hexachloropropene	5.999	213	20643	9.985	ppm		95
50) 4-Chloro-3-methylphenol	6.464	107	31974	10.353	ppm	#	67
51) N-N-di-n-butylamine	6.287	84	25241	10.289	ppm		93
52) Caprolactam	6.309	113	12546	10.220	ppm		78
53) p-Phenylenediamine	6.330	80	9142	11.276	ppm		80
54) Safrole	6.496	162	29085	9.985	ppm		89
55) 2-Methylnaphthalene	6.586	142	74440	10.135	ppm		100
56) 1-Methylnaphthalene	6.683	142	67772	9.863	ppm		99
58) Hexachlorocyclopentadiene	6.731	237	9908	8.516	ppm		98
59) 1,2,4,5-Tetrachloroben...	6.747	216	30304	10.078	ppm		98
60) 1,2,3,4-Tetrachloroben...	7.030	216	31590	9.977	ppm		97
61) 2,4,6-Trichlorophenol	6.875	196	19659	10.322	ppm		86
62) 2,4,5-Trichlorophenol	6.928	196	20320	9.920	ppm		96
64) Isosafrole	7.008	104	12972	9.873	ppm		94
65) 1,1'-Biphenyl	7.040	154	91819	10.145	ppm		98
66) 2-Chloronaphthalene	7.067	162	67329	10.293	ppm		98
67) 2-Nitroaniline	7.179	65	20116	10.758	ppm		93
68) 1,4-Naphthoquinone	7.254	158	22123	10.773	ppm		92
69) m-Dinitrobenzene	7.393	168	11971	9.314	ppm		80
70) Acenaphthylene	7.473	152	105967	10.114	ppm		97
71) Dimethyl phthalate	7.339	163	79841	10.439	ppm		100
72) 2,6-Dinitrotoluene	7.414	165	18504	10.657	ppm		98
73) Acenaphthene	7.644	153	74342	10.200	ppm		98
74) 3-Nitroaniline	7.590	138	20652	10.347	ppm		92
75) 2,4-Dinitrophenol	7.703	184	2997	8.642	ppm		98
76) Dibenzofuran	7.815	168	92309	10.256	ppm		95
77) 2,4-Dinitrotoluene	7.815	165	22573	9.844	ppm		92
78) 4-Nitrophenol	7.804	65	11725	8.789	ppm	#	33
79) Pentachlorobenzene	7.772	250	25042	10.392	ppm		97
80) 1-Napthylamine	7.900	143	50362	10.625	ppm		99
81) 2-Napthylamine	7.980	143	62760	10.391	ppm		96
82) 2,3,4,6-Tetrachlorophenol	7.948	232	13274	9.483	ppm		88
83) Fluorene	8.151	166	77902	10.527	ppm		100
84) 4-Chlorophenyl-phenyle...	8.146	204	31336	10.496	ppm		98
85) Diethylphthalate	8.034	149	75917	10.023	ppm		98
86) 4-Nitroaniline	8.194	138	20791	10.560	ppm		99
87) 5-Nitro-o-toluidine	8.178	152	22033	9.858	ppm		100
89) Sulfotepp	8.413	322	9493	10.042	ppm		88
90) Octachlorocyclopentene	8.392	307	9687	10.066	ppm		94
92) Thionazin	8.114	107	12913	10.671	ppm		98
93) 4,6-Dinitro-2-methylph...	8.215	198	8683	7.303	ppm	#	73
94) Diphenylamine	8.269	169	120211	22.055	ppm		98
95) 1,2 Diphenylhydrazine	8.306	77	78490	11.410	ppm		96
96) N-Nitrosodiphenylamine	8.269	169	120211	22.055	ppm		98
97) 1,3,5-Trinirobenzene	8.579	74	9866	10.029	ppm	#	57
98) Diallate	8.541	86	31029	11.161	ppm		97

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR842.D
Acq On : 30 Apr 2019 11:08 am
Operator : JMisiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 01 08:53:47 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

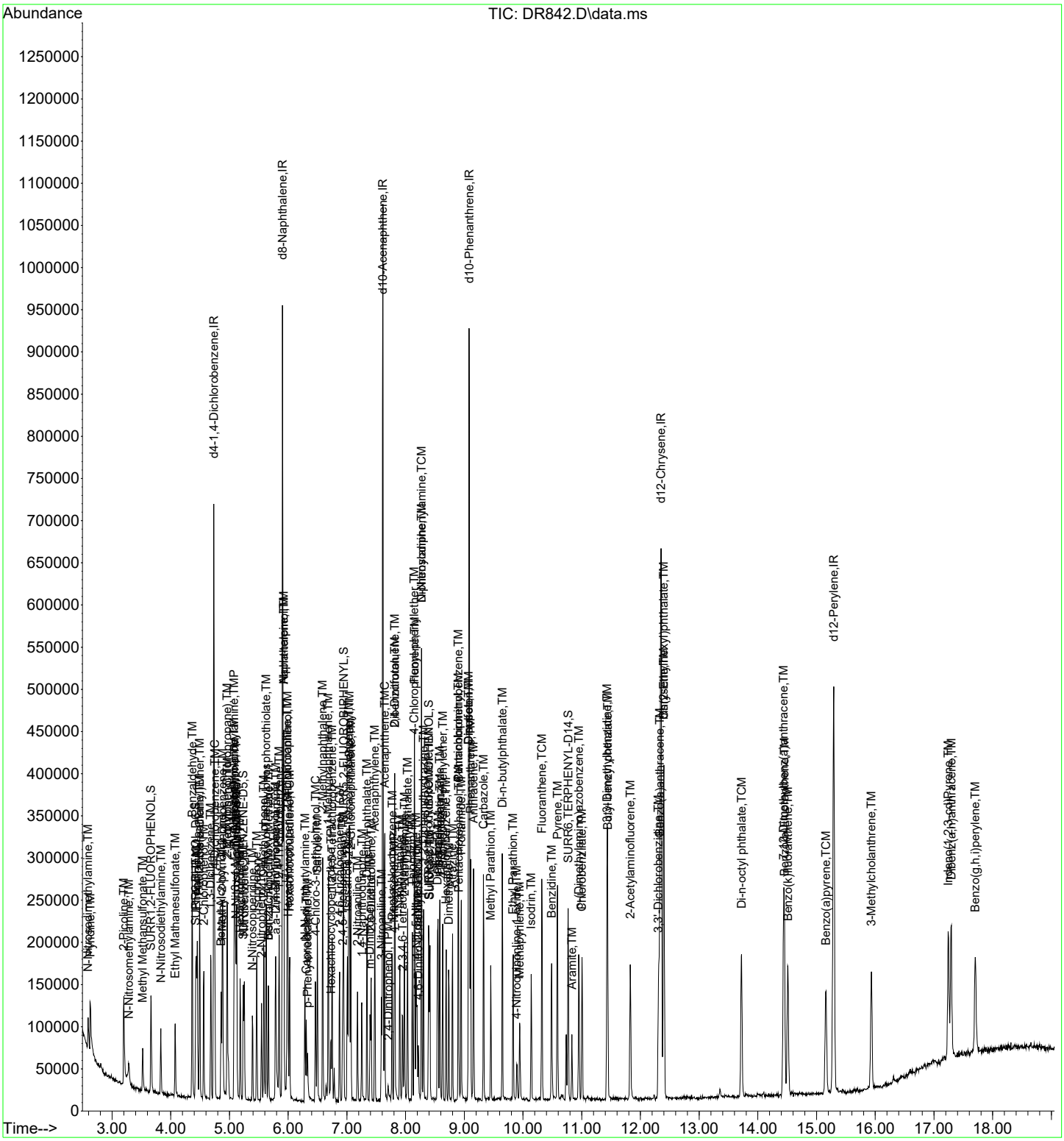
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99)	Phorate	8.552	121	15891	11.139	ppm	85
100)	Phenacetin	8.584	108	39710	11.048	ppm	98
101)	4-Bromophenyl-phenylether	8.632	248	17263	10.704	ppm	94
102)	Hexachlorobenzene	8.691	284	19691	10.857	ppm	99
103)	Dimethoate	8.733	87	28226	11.977	ppm	95
104)	Atrazine	8.798	215	10337	11.721	ppm	98
105)	Pentachlorophenol	8.904	266	3320	8.836	ppm	85
106)	4-Aminobiphenyl	8.899	169	56778	10.252	ppm	99
107)	Pentachloronitrobenzene	8.899	237	7006	10.456	ppm	94
108)	Pronamide	8.947	173	32692	10.366	ppm	99
109)	Dinoseb	9.070	211	11869	7.584	ppm	90
110)	Disulfoton	9.070	88	36947	10.334	ppm	93
111)	Phenanthrene	9.107	178	98674	10.116	ppm	98
112)	Anthracene	9.155	178	97297	10.039	ppm	99
113)	Carbazole	9.326	167	99103	10.409	ppm	99
114)	Di-n-butylphthalate	9.647	149	130166	10.578	ppm	98
115)	4-Nitroquinonline-1-oxide	9.893	190	3557	6.165	ppm	69
116)	Fluoranthene	10.320	202	106157	10.630	ppm	99
118)	Methyl Parathion	9.449	109	25486	10.698	ppm	93
119)	Ethyl Parathion	9.828	97	18743	10.530	ppm	87
120)	Methapyrilene	9.941	58	28569	11.033	ppm	91
121)	Isodrin	10.138	193	10566	9.617	ppm	90
122)	Benzidine	10.485	184	69294	9.827	ppm	96
123)	Pyrene	10.587	202	109943	9.963	ppm	98
125)	Aramite	10.833	185	14625m	9.671	ppm	
126)	p-(Dimethylamino)azobe...	10.950	120	32582	9.939	ppm	95
127)	Chlorobenzilate	11.003	139	39531	10.322	ppm	96
128)	Butyl benzyl phthalate	11.441	149	62353	10.186	ppm	97
129)	3,3-Dimethylbenzidine	11.431	212	67509	10.058	ppm	99
130)	2-Acetylaminofluorene	11.826	181	47661	9.749	ppm	94
131)	3,3'-Dichlorobenzidine	12.307	252	38889	9.729	ppm	97
132)	Benzo(a)anthracene	12.328	228	102863	10.081	ppm	98
133)	Chrysene	12.397	228	94573	10.075	ppm	99
134)	bis(2-Ethylhexyl)phtha...	12.397	149	83139	9.868	ppm	96
136)	Di-n-octyl phthalate	13.722	149	144182	10.366	ppm	99
137)	7,12-Dimethylbenz(a)an...	14.438	256	45485	10.266	ppm	97
138)	Benzo(b)Fluoranthene	14.454	252	98633	10.113	ppm	98
139)	Benzo(k)fluoranthene	14.513	252	97129	10.515	ppm	98
140)	Benzo(a)pyrene	15.159	252	84420	10.065	ppm	98
141)	3-Methylcholanthrene	15.933	268	49489	10.074	ppm	94
142)	Indeno(1,2,3-cd)Pyrene	17.242	276	86952	10.571	ppm	96
143)	Dibenz(a,h)anthracene	17.295	278	89621	10.399	ppm	99
144)	Benzo(g,h,i)perylene	17.701	276	76544	10.797	ppm	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR842.D
Acq On : 30 Apr 2019 11:08 am
Operator : JMisiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 8 Sample Multiplier: 1

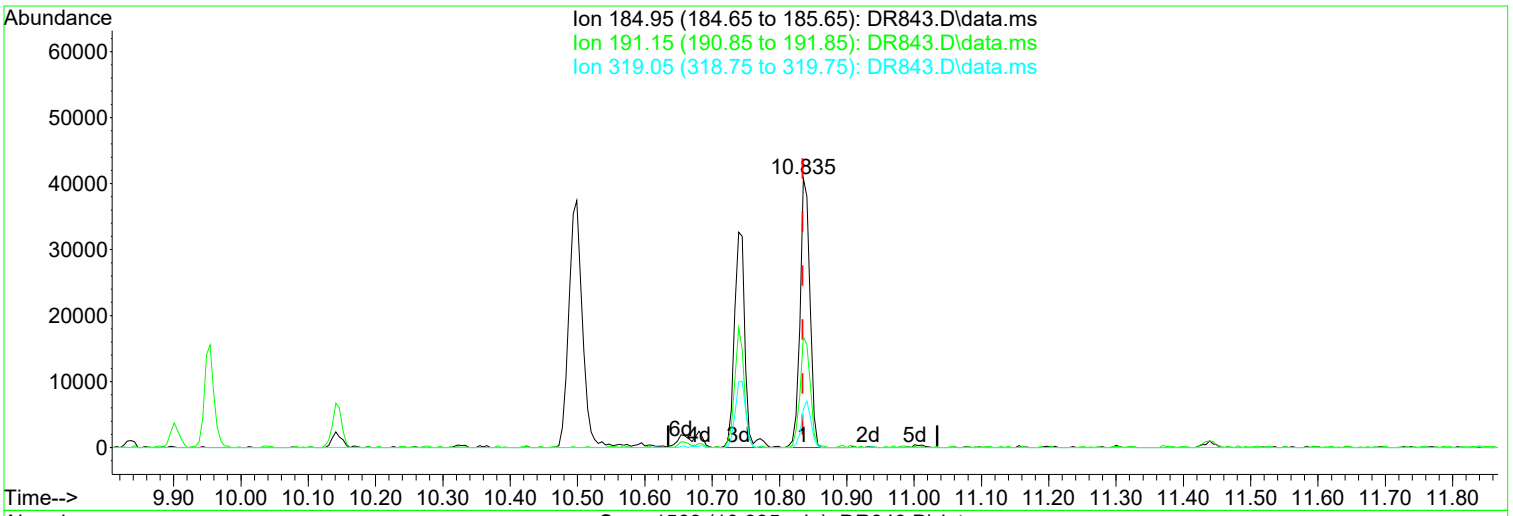
Quant Time: May 01 08:53:47 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

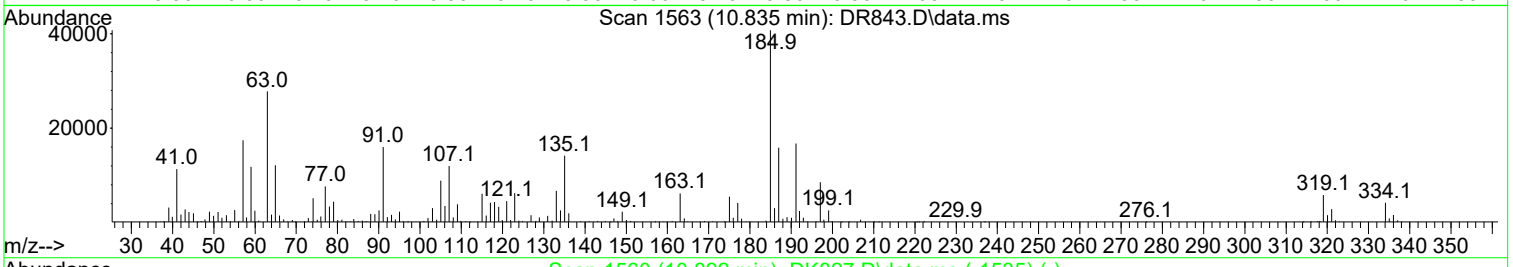


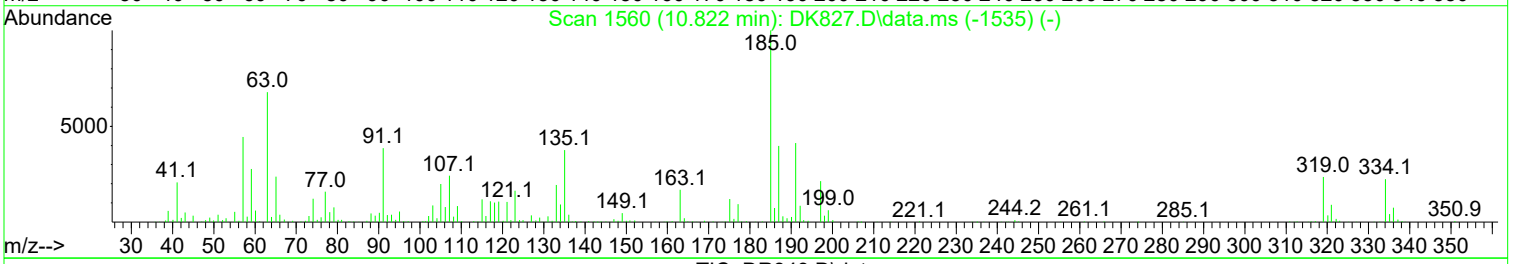
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR843.D
Acq On : 30 Apr 2019 12:00 pm
Operator : JMisiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 01 08:53:52 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR843.D\data.ms

(125) Aramite (TM)

10.835min (+ 0.000) 53.18 ppm m

response 77165

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	41.13
319.05	16.80	14.27
0.00	0.00	0.00

Manual Integration:

After

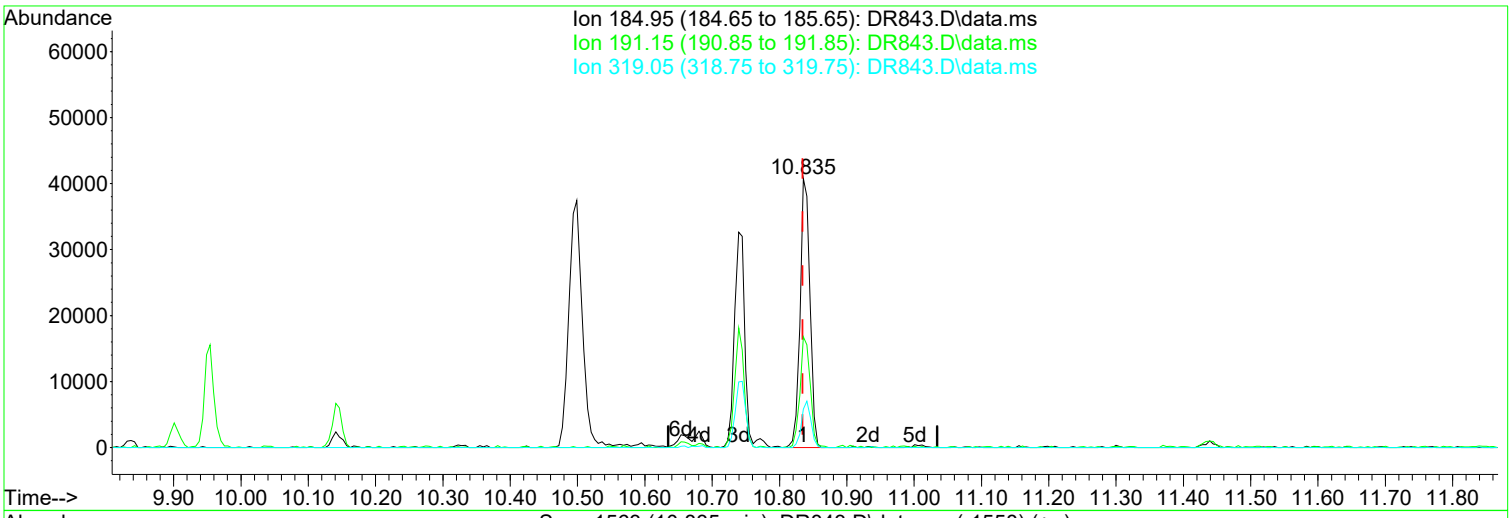
Split Peak.

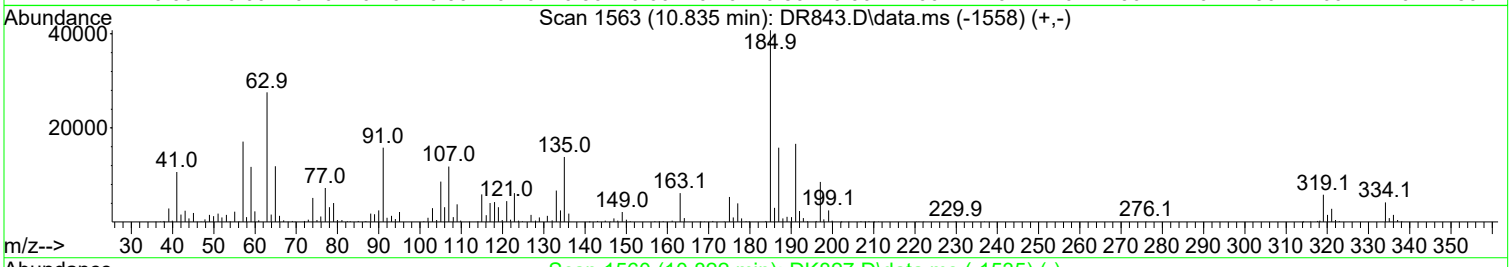
05/01/19

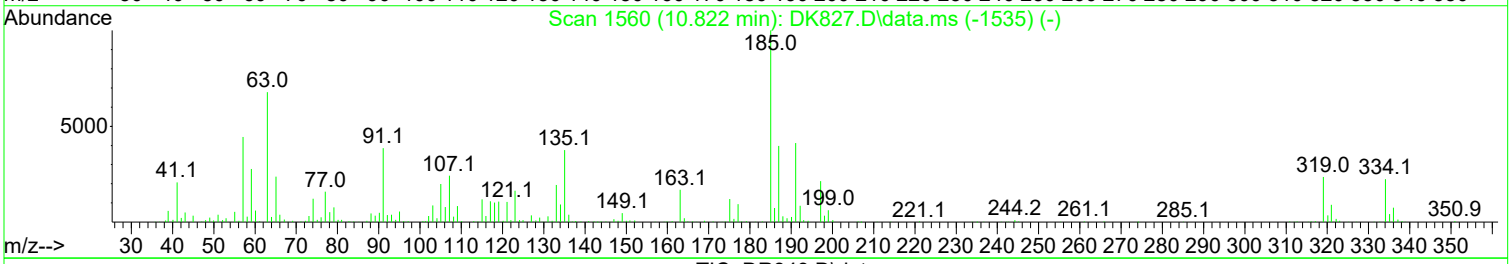
1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR843.D
Acq On : 30 Apr 2019 12:00 pm
Operator : JMisiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 01 08:53:52 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR843.D\data.ms

(125) Aramite (TM)

10.835min (+ 0.000) 28.60 ppm

response 41502

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	40.77
319.05	16.80	14.27
0.00	0.00	0.00

Manual Integration:

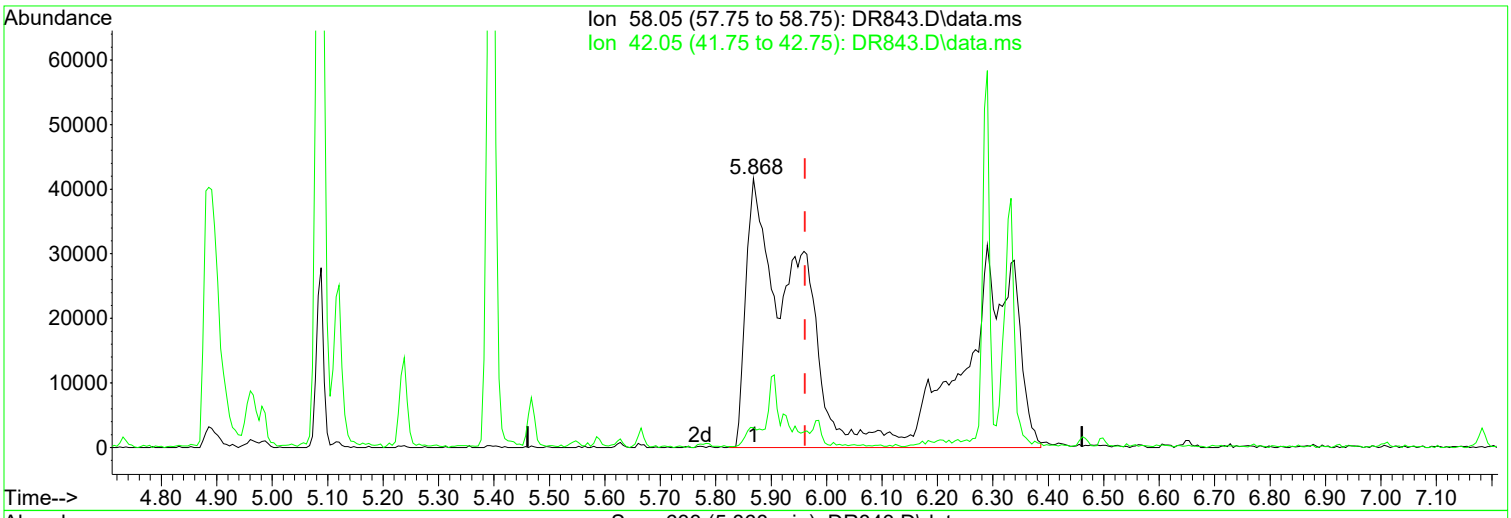
Before

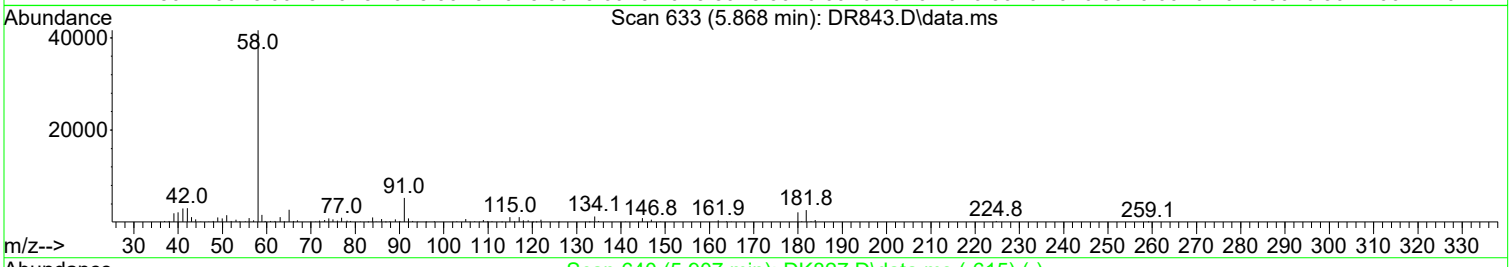
05/01/19

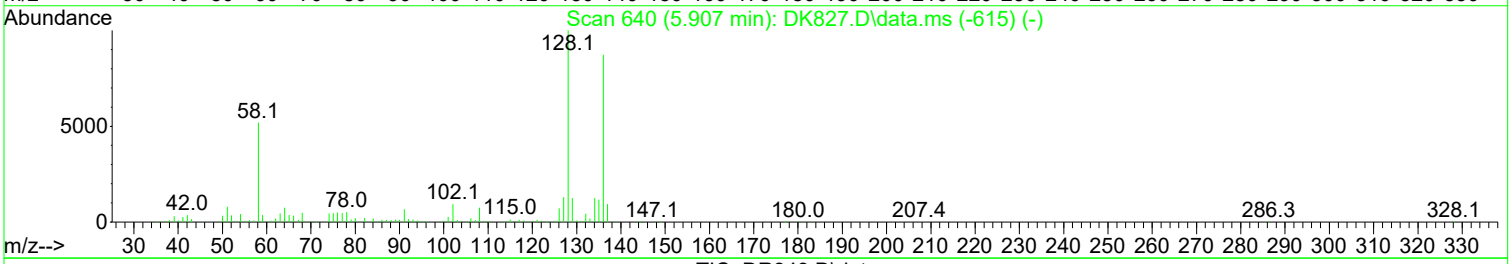
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR843.D
Acq On : 30 Apr 2019 12:00 pm
Operator : JMisiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 01 08:53:52 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR843.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.868min (-0.093) 56.27 ppm m

response 453701

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	7.40
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

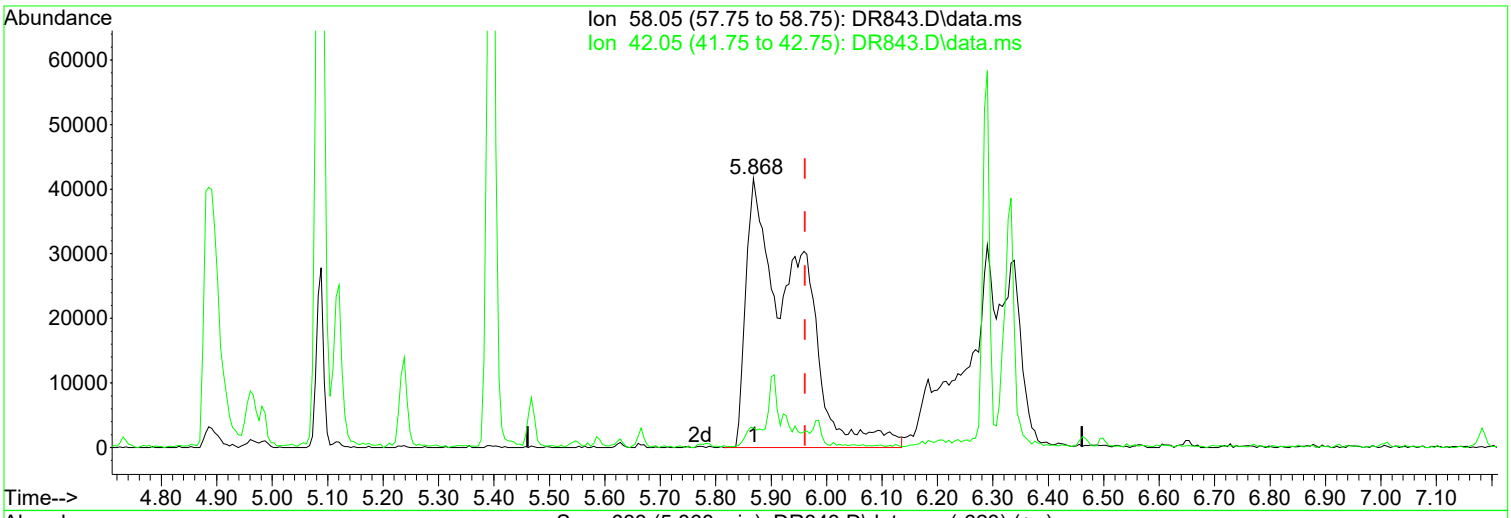
Poor integration.

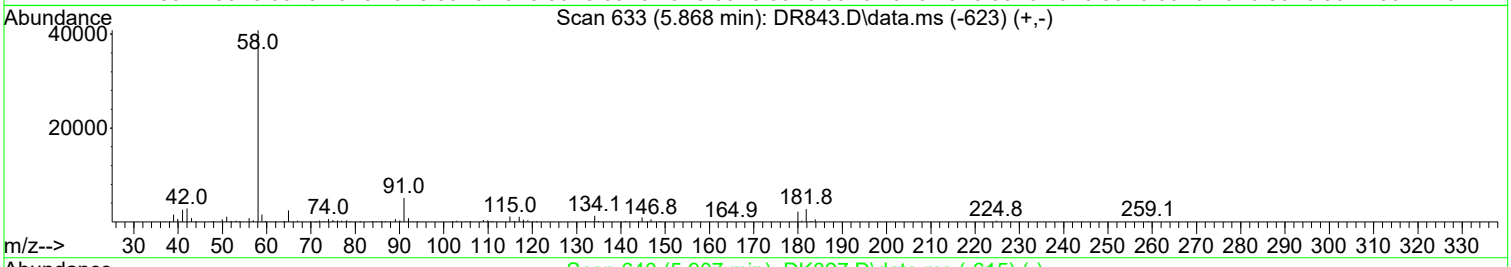
05/01/19

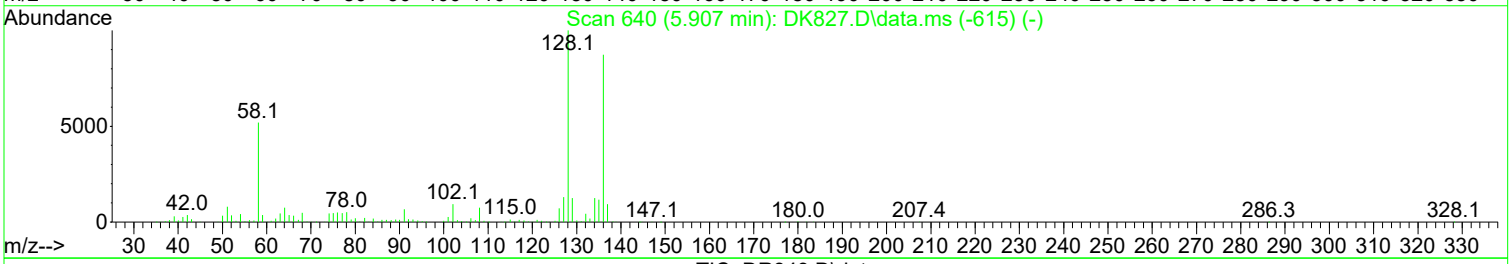
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR843.D
Acq On : 30 Apr 2019 12:00 pm
Operator : JMisiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 01 08:53:52 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR843.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.868min (-0.093) 32.40 ppm

response 261234

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	6.98
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

05/01/19

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR843.D
Acq On : 30 Apr 2019 12:00 pm
Operator : JMisiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 01 08:53:52 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.731	152	110698	40.00	ppm		0.00
33) d8-Naphthalene	5.906	136	425134	40.00	ppm		0.00
57) d10-Acenaphthene	7.615	164	204158	40.00	ppm		0.00
91) d10-Phenanthrene	9.084	188	310232	40.00	ppm		0.00
117) d12-Chrysene	12.358	240	288336	40.00	ppm		0.00
135) d12-Perylene	15.295	264	275009	40.00	ppm		0.00
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.662	112	208047	51.67	ppm		0.00
Spiked Amount 100.000	Range 10 - 70		Recovery = 51.67%				
12) SURR2,PHENOL-D6	4.426	99	270537	54.69	ppm		0.00
Spiked Amount 100.000	Range 10 - 107		Recovery = 54.69%				
34) SURR4,NITROBENZENE-D5	5.238	82	217116	50.33	ppm		0.00
Spiked Amount 50.000	Range 31 - 110		Recovery = 100.66%				
63) SURR5,2-FLUOROBIPHENYL	6.947	172	408560	52.63	ppm		0.00
Spiked Amount 50.000	Range 31 - 118		Recovery = 105.26%				
88) SURR3,2,4,6-TRIBROMOPH...	8.400	330	43898	52.51	ppm		0.00
Spiked Amount 100.000	Range 35 - 141		Recovery = 52.51%				
124) SURR6,TERPHENYL-D14	10.771	244	359803	52.97	ppm		0.00
Spiked Amount 50.000	Range 10 - 165		Recovery = 105.94%				
Target Compounds							Qvalue
2) Pyridine	2.610	79	243164	57.230	ppm		98
3) N-Nitrosodimethylamine	2.578	74	142554	55.162	ppm		98
4) 2-Picoline	3.192	93	235280	53.514	ppm		97
5) N-Nitrosomethylamine	3.278	42	93195	52.142	ppm		95
6) Methyl Methansulfonate	3.518	80	106880	53.365	ppm		99
8) N-Nitrosodiethylamine	3.828	102	105601	53.787	ppm		92
9) Ethyl Mathanesulfonate	4.074	79	174591	51.587	ppm		98
10) Benzaldehyde	4.362	106	151652	53.556	ppm		98
11) Aniline	4.453	93	338707	53.651	ppm		97
13) Phenol	4.437	94	289294	53.474	ppm		98
14) bis(2-Clethyl)Ether	4.496	93	192312	51.376	ppm		98
15) Pentachloroethane	4.490	117	78549	52.117	ppm		96
16) 2-Chlorophenol	4.560	128	228057	53.665	ppm		97
17) 1,3-Diclbenzene	4.682	146	233373	52.769	ppm		99
18) 1,4-Dichlorobenzene	4.747	146	236137	52.175	ppm		96
19) 1,2-Diclbenzene	4.885	146	222261	51.397	ppm		99
20) Benzyl Alcohol	4.859	79	157420	54.695	ppm		93
21) 1-Methyl-2-pyrrolidinone	4.885	99	145636	55.365	ppm		96
22) 2,2'-oxybis(1-Chloropr...	4.960	45	187574	52.150	ppm	#	85
23) 2-Methylphenol	4.966	108	198873	52.155	ppm		95
24) 3+4-Methylphenol	5.104	108	223412	51.784	ppm		96
25) Acetophenone	5.094	105	277229	51.734	ppm		99
26) N-Nitroso-Di-n-propyla...	5.088	70	151454	52.404	ppm		98
27) N-Nitrosopyrrolidine	5.088	100	110793	52.719	ppm		77
28) N-Nitrosomorpholine	5.120	56	106083	51.281	ppm		97
29) o-Toluidine	5.126	106	312542	52.521	ppm		98
30) Hexachloroethane	5.185	117	90494	51.947	ppm		99
31) o,o,o-Triethylphosphor...	5.628	198	93584	51.581	ppm		87
32) Alpha-terpinol	5.927	121	74018	52.357	ppm		97
35) Nitrobenzene	5.254	77	222556	51.368	ppm		99
36) N-Nitrosopiperidine	5.393	42	121121	51.427	ppm		97
37) Isophorone	5.468	82	374516	51.853	ppm		99
38) 2-Nitrophenol	5.548	139	118531	52.871	ppm		93

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR843.D
Acq On : 30 Apr 2019 12:00 pm
Operator : JMisiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 01 08:53:52 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) 2,4-Dimethylphenol	5.585	107	210797	52.212	ppm		94
40) bis(-2-Chloroethoxy)Me...	5.665	93	226533	53.345	ppm		99
41) Benzoic Acid	5.681	105	73824	50.003	ppm		99
42) 2,4-Dichlorophenol	5.783	162	173514	54.261	ppm		96
43) a,a-Dimethylphenethyla...	5.868	58	453701m	56.270	ppm		
44) 1,2,4-Trichlorobenzene	5.847	180	171319	50.811	ppm		99
45) Naphthalene	5.927	128	590082	50.359	ppm		99
46) 4-Chloroaniline	5.986	127	246095	50.192	ppm		99
47) 2,6-Dichlorophenol	5.991	162	170509	50.990	ppm		90
48) Hexachlorobutadiene	6.028	225	86233	50.477	ppm		97
49) Hexachloropropene	5.996	213	112089	52.512	ppm		98
50) 4-Chloro-3-methylphenol	6.466	107	162550	50.978	ppm	#	64
51) N-N-di-n-butylamine	6.290	84	129320	51.055	ppm		98
52) Caprolactam	6.333	113	62461	49.277	ppm		90
53) p-Phenylenediamine	6.338	80	44084	52.662	ppm		98
54) Safrole	6.498	162	155842	51.814	ppm		97
55) 2-Methylnaphthalene	6.589	142	380698	50.200	ppm		96
56) 1-Methylnaphthalene	6.685	142	359083	50.613	ppm		99
58) Hexachlorocyclopentadiene	6.728	237	71238	51.359	ppm		96
59) 1,2,4,5-Tetrachloroben...	6.749	216	157122	52.291	ppm		97
60) 1,2,3,4-Tetrachloroben...	7.033	216	164784	52.081	ppm		97
61) 2,4,6-Trichlorophenol	6.878	196	105353	55.356	ppm		96
62) 2,4,5-Trichlorophenol	6.926	196	107718	52.623	ppm		97
64) Isosafrole	7.011	104	67437	51.361	ppm		92
65) 1,1'-Biphenyl	7.043	154	466049	51.531	ppm		99
66) 2-Chloronaphthalene	7.070	162	339546	51.943	ppm		99
67) 2-Nitroaniline	7.182	65	97208	52.023	ppm		94
68) 1,4-Naphthoquinone	7.257	158	113203	55.164	ppm		88
69) m-Dinitrobenzene	7.401	168	65665	51.129	ppm		93
70) Acenaphthylene	7.476	152	544676	52.021	ppm		98
71) Dimethyl phthalate	7.348	163	377190	49.353	ppm		99
72) 2,6-Dinitrotoluene	7.417	165	88827	51.195	ppm		97
73) Acenaphthene	7.647	153	375171	51.509	ppm		99
74) 3-Nitroaniline	7.593	138	103780	52.031	ppm		98
75) 2,4-Dinitrophenol	7.700	184	31154	54.900	ppm		86
76) Dibenzofuran	7.818	168	470226	52.282	ppm		97
77) 2,4-Dinitrotoluene	7.818	165	121270	52.921	ppm		95
78) 4-Nitrophenol	7.807	65	70138	52.611	ppm	#	53
79) Pentachlorobenzene	7.770	250	126121	52.375	ppm		100
80) 1-Napthylamine	7.903	143	239726	50.612	ppm		99
81) 2-Napthylamine	7.983	143	301853	50.014	ppm		99
82) 2,3,4,6-Tetrachlorophenol	7.951	232	73574	52.599	ppm		91
83) Fluorene	8.154	166	378292	51.155	ppm		98
84) 4-Chlorophenyl-phenyle...	8.149	204	153366	51.407	ppm		96
85) Diethylphthalate	8.037	149	381341	50.383	ppm		99
86) 4-Nitroaniline	8.202	138	104981	53.360	ppm		96
87) 5-Nitro-o-toluidine	8.186	152	117376	52.553	ppm		95
89) Sulfotepp	8.416	322	47300	50.071	ppm		91
90) Octachlorocyclopentene	8.395	307	51376	53.425	ppm		98
92) Thionazin	8.117	107	62619	51.449	ppm		98
93) 4,6-Dinitro-2-methylph...	8.224	198	64656	54.067	ppm		97
94) Diphenylamine	8.277	169	565644	103.181	ppm		98
95) 1,2 Diphenylhydrazine	8.309	77	371577	53.705	ppm		96
96) N-Nitrosodiphenylamine	8.277	169	565644	103.181	ppm		98
97) 1,3,5-Trinirobenzene	8.597	74	54699	55.283	ppm		94
98) Diallate	8.544	86	138539	49.545	ppm		96

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR843.D
Acq On : 30 Apr 2019 12:00 pm
Operator : JMisiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 01 08:53:52 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

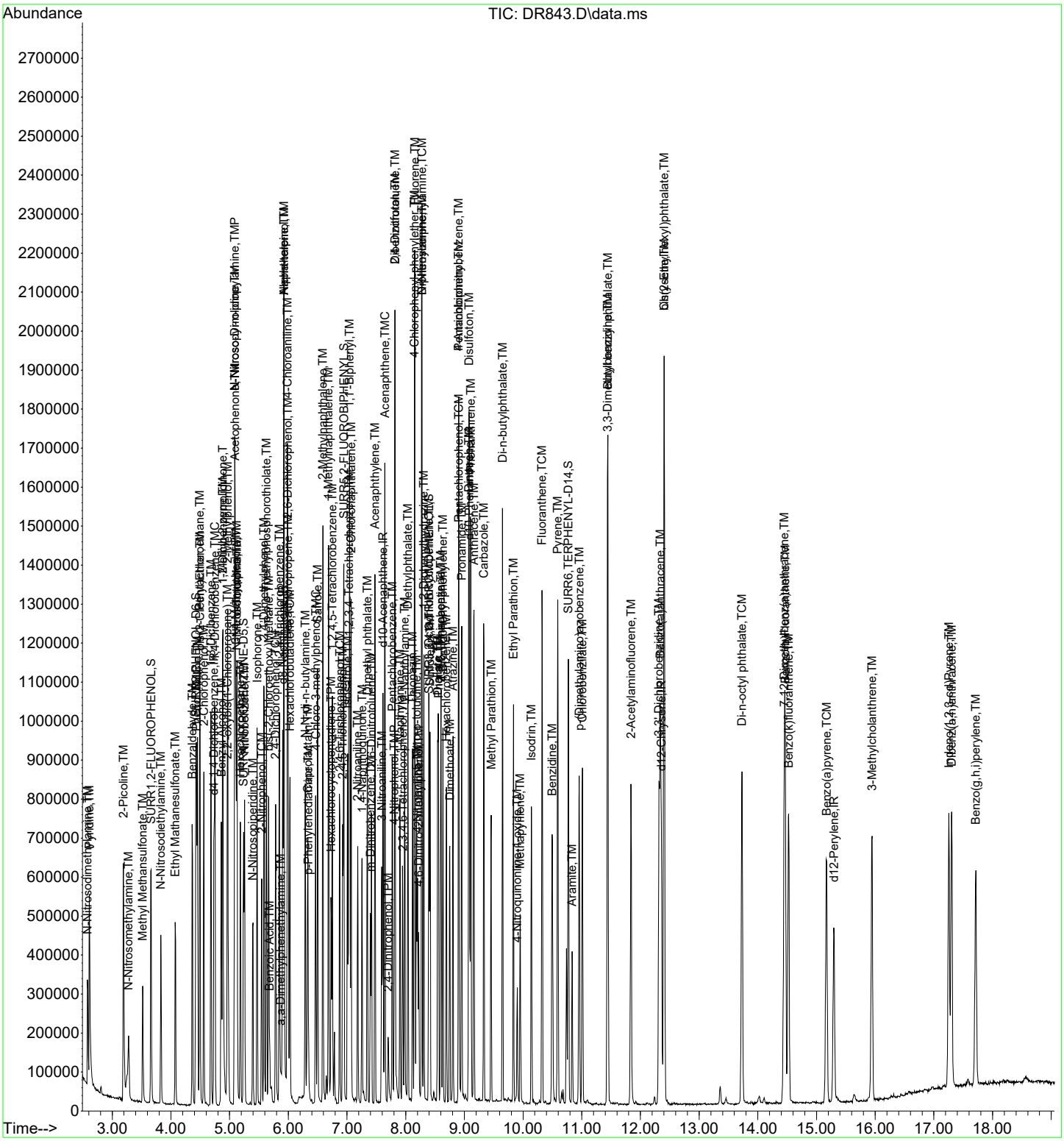
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) Phorate	8.560	121	71025	49.497	ppm	97
100) Phenacetin	8.603	108	198196	54.826	ppm	97
101) 4-Bromophenyl-phenylether	8.635	248	82693	50.977	ppm	96
102) Hexachlorobenzene	8.694	284	91221	50.006	ppm	98
103) Dimethoate	8.752	87	131387	55.428	ppm	97
104) Atrazine	8.806	215	48849	55.071	ppm	96
105) Pentachlorophenol	8.907	266	32963	53.349	ppm	98
106) 4-Aminobiphenyl	8.902	169	313308	56.245	ppm	99
107) Pentachloronitrobenzene	8.902	237	37979	56.355	ppm	98
108) Pronamide	8.955	173	177995	56.116	ppm	96
109) Dinoseb	9.073	211	85017	54.014	ppm	98
110) Disulfoton	9.078	88	179076	49.797	ppm	97
111) Phenanthrene	9.110	178	509880	51.970	ppm	99
112) Anthracene	9.164	178	511848	52.507	ppm	98
113) Carbazole	9.329	167	518965	54.197	ppm	99
114) Di-n-butylphthalate	9.650	149	691327	55.856	ppm	98
115) 4-Nitroquinonline-1-oxide	9.901	190	30376	52.343	ppm	86
116) Fluoranthene	10.323	202	544361	54.197	ppm	99
118) Methyl Parathion	9.457	109	123379	53.973	ppm	90
119) Ethyl Parathion	9.837	97	92173	53.969	ppm	97
120) Methapyrilene	9.949	58	136127	54.790	ppm	99
121) Isodrin	10.141	193	54114	51.330	ppm	90
122) Benzidine	10.499	184	378125	55.889	ppm	99
123) Pyrene	10.590	202	566160	53.472	ppm	99
125) Aramite	10.835	185	77165m	53.181	ppm	
126) p-(Dimethylamino)azobe...	10.958	120	173681	55.216	ppm	91
127) Chlorobenzilate	11.012	139	197095	53.636	ppm	93
128) Butyl benzyl phthalate	11.444	149	312570	53.216	ppm	97
129) 3,3-Dimethylbenzidine	11.439	212	342581	53.195	ppm	97
130) 2-Acetylaminofluorene	11.839	181	245928	52.426	ppm	99
131) 3,3'-Dichlorobenzidine	12.315	252	200153	52.188	ppm	99
132) Benzo(a)anthracene	12.336	228	502187	51.293	ppm	100
133) Chrysene	12.406	228	465026	51.629	ppm	100
134) bis(2-Ethylhexyl)phtha...	12.406	149	425392	52.623	ppm	98
136) Di-n-octyl phthalate	13.730	149	704356	53.968	ppm	99
137) 7,12-Dimethylbenz(a)an...	14.451	256	224365	53.968	ppm	99
138) Benzo(b)Fluoranthene	14.467	252	496783	54.283	ppm	99
139) Benzo(k)fluoranthene	14.526	252	463822	53.511	ppm	97
140) Benzo(a)pyrene	15.172	252	430163	54.656	ppm	98
141) 3-Methylcholanthrene	15.947	268	252152	54.703	ppm	97
142) Indeno(1,2,3-cd)Pyrene	17.255	276	409665	53.077	ppm	99
143) Dibenz(a,h)anthracene	17.303	278	434314	53.705	ppm	99
144) Benzo(g,h,i)perylene	17.715	276	351651	52.862	ppm	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR843.D
Acq On : 30 Apr 2019 12:00 pm
Operator : JMisiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 9 Sample Multiplier: 1

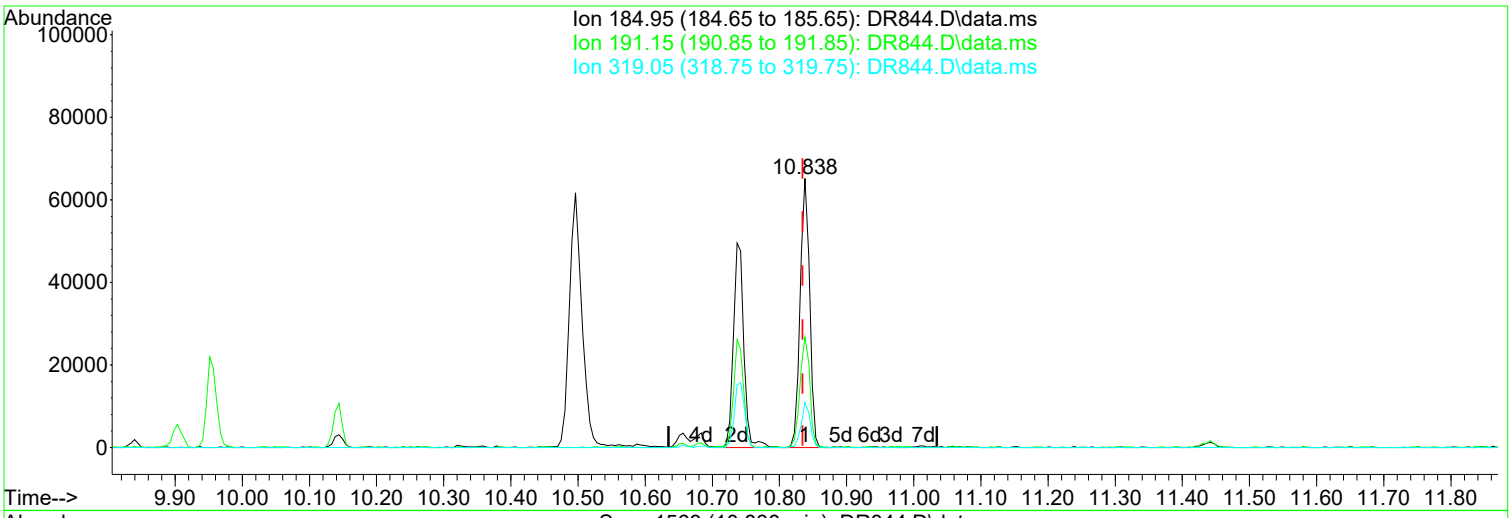
Quant Time: May 01 08:53:52 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

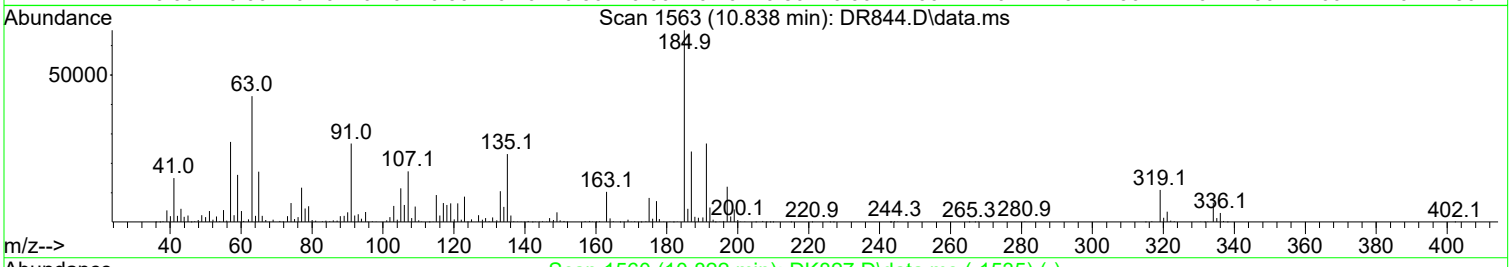


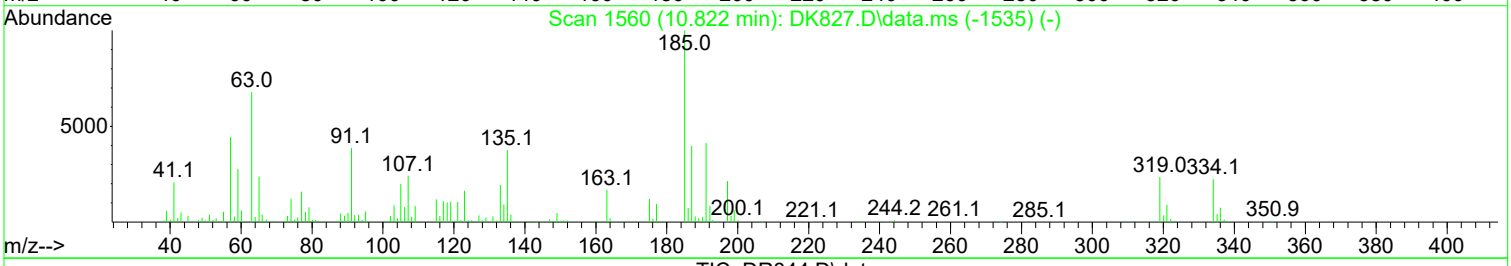
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR844.D
Acq On : 30 Apr 2019 12:34 pm
Operator : JMisiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 01 08:53:57 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR844.D\data.ms

(125) Aramite (TM)

10.838min (+ 0.003) 81.76 ppm m

response 116877

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	41.00
319.05	16.80	16.77
0.00	0.00	0.00

Manual Integration:

After

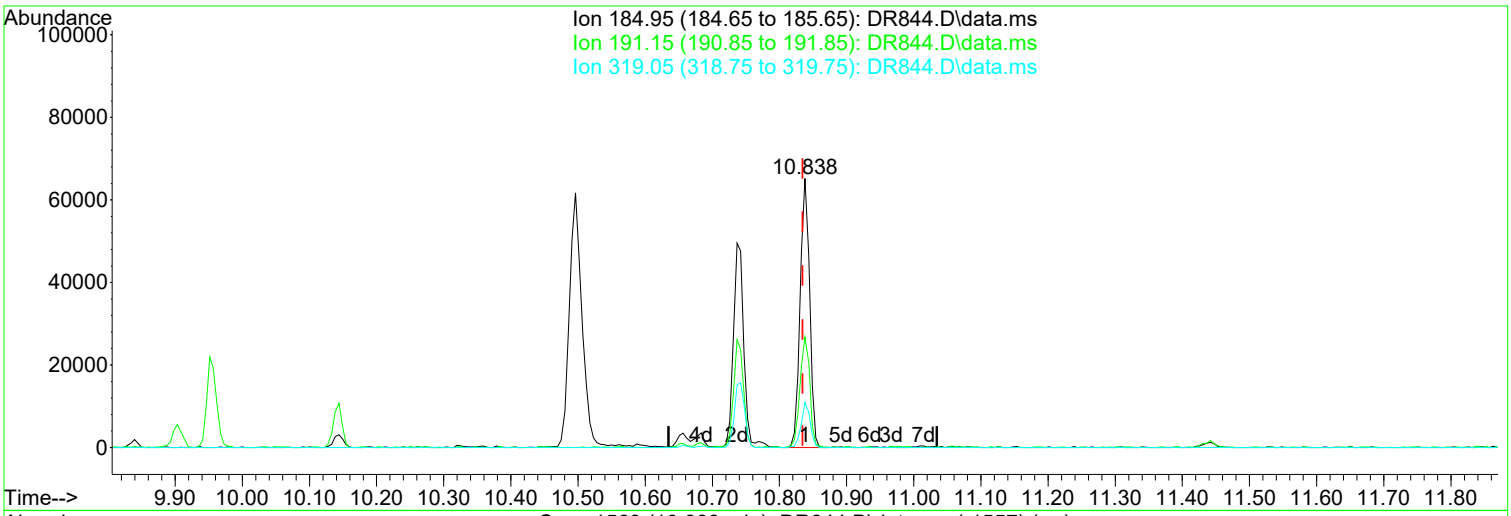
Split Peak.

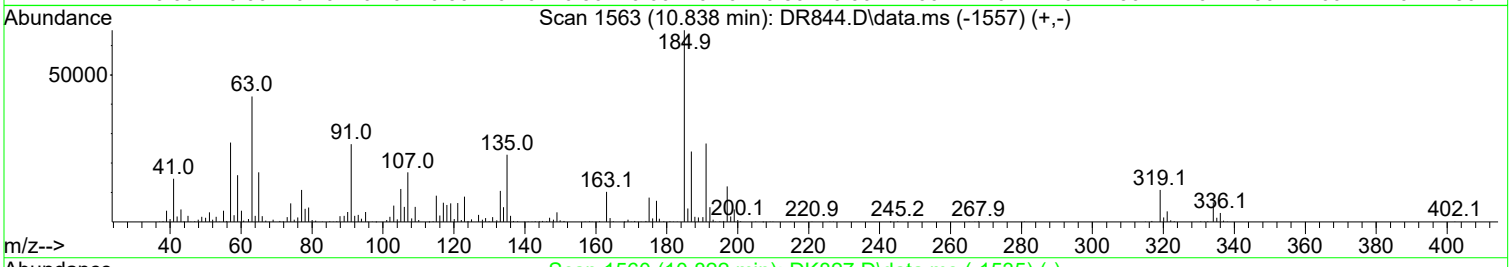
05/01/19

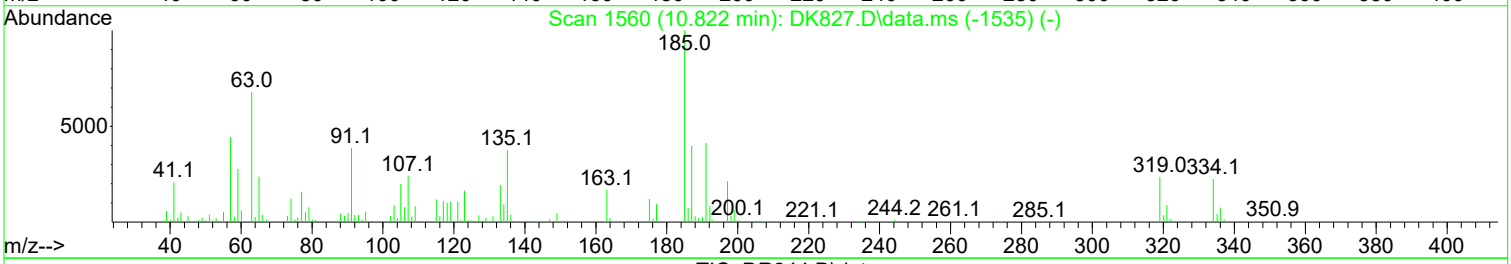
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR844.D
Acq On : 30 Apr 2019 12:34 pm
Operator : JMisiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 01 08:53:57 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR844.D\data.ms

(125) Aramite (TM)

10.838min (+ 0.003) 44.41 ppm

response 63484

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	40.87
319.05	16.80	16.77
0.00	0.00	0.00

Manual Integration:

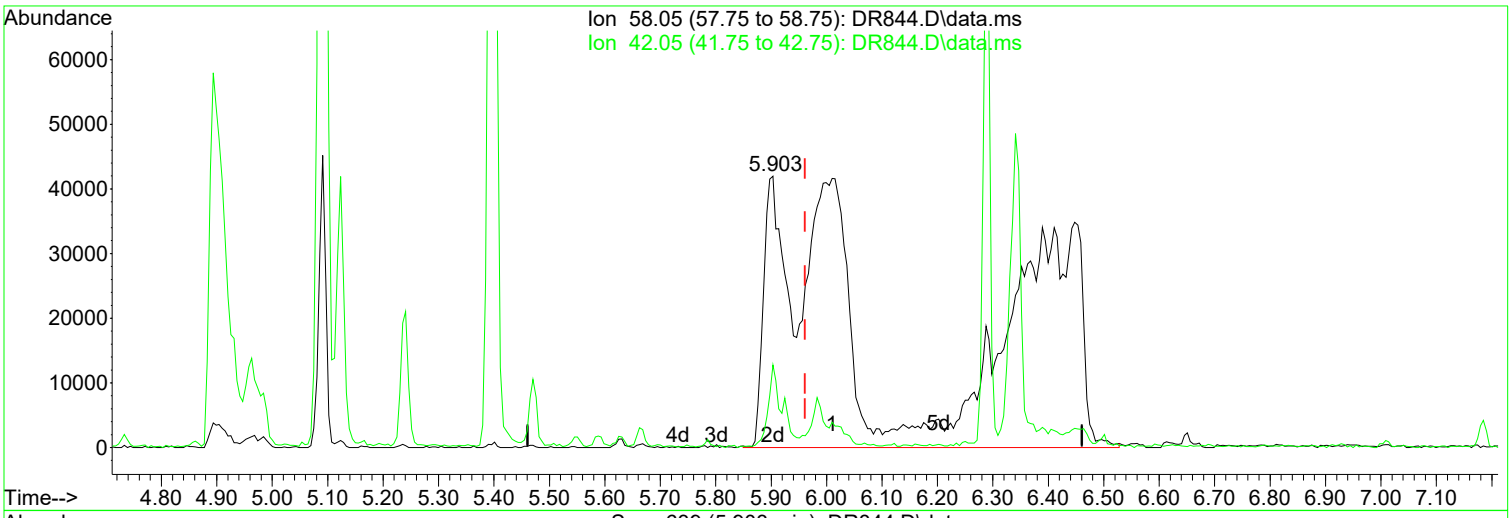
Before

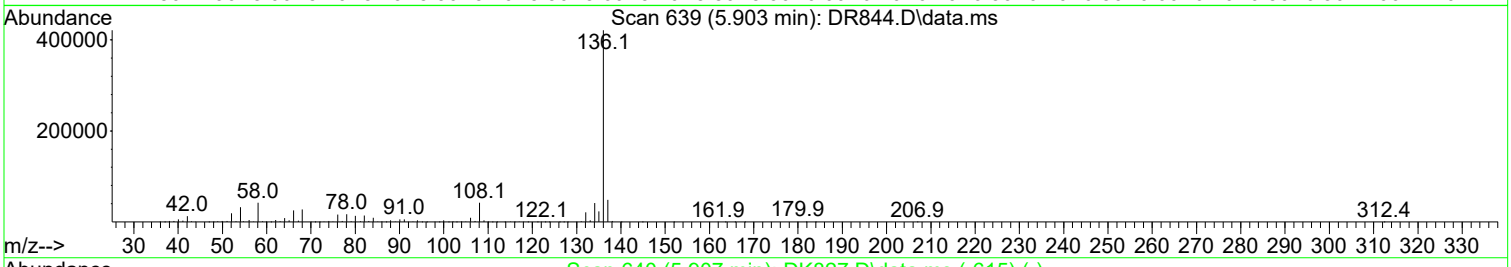
05/01/19

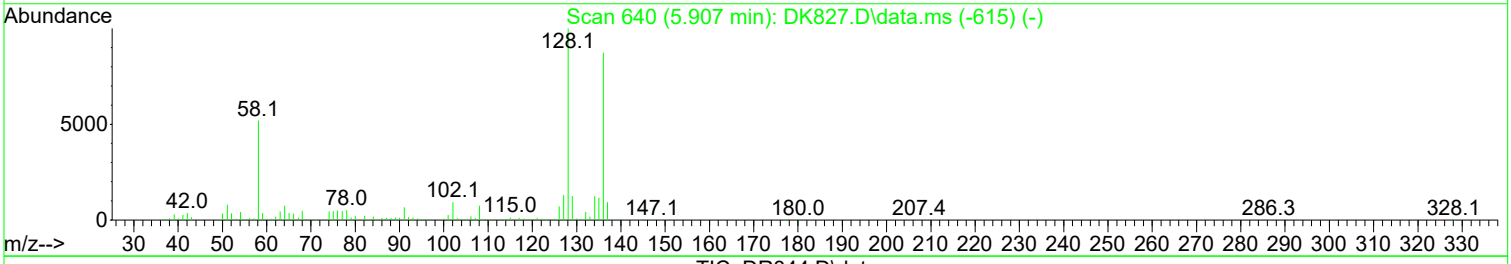
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR844.D
Acq On : 30 Apr 2019 12:34 pm
Operator : JMisiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 01 08:53:57 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR844.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.903min (-0.058) 84.84 ppm m

response 659304

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	30.43
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

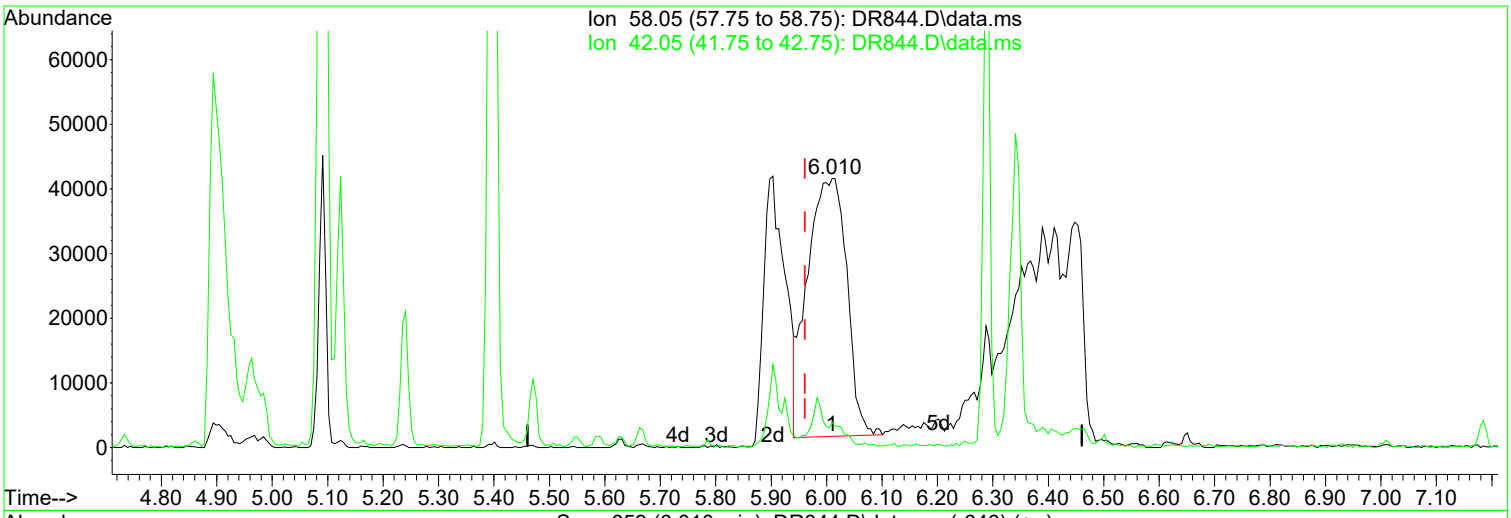
Poor integration.

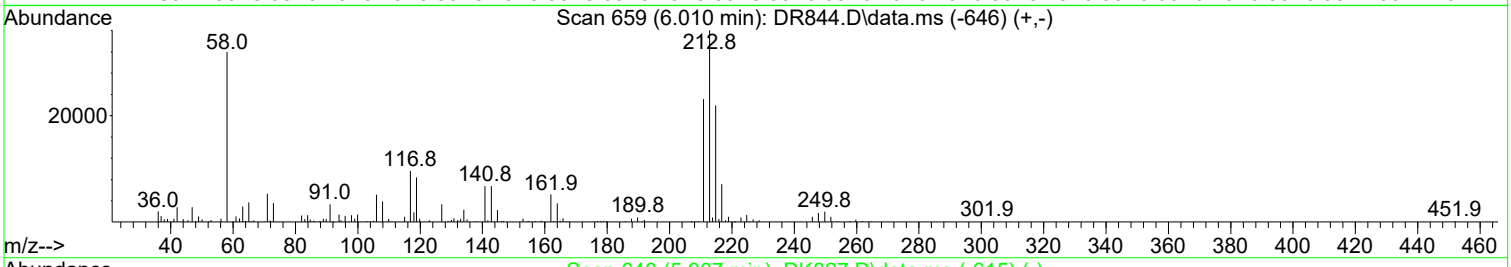
05/01/19

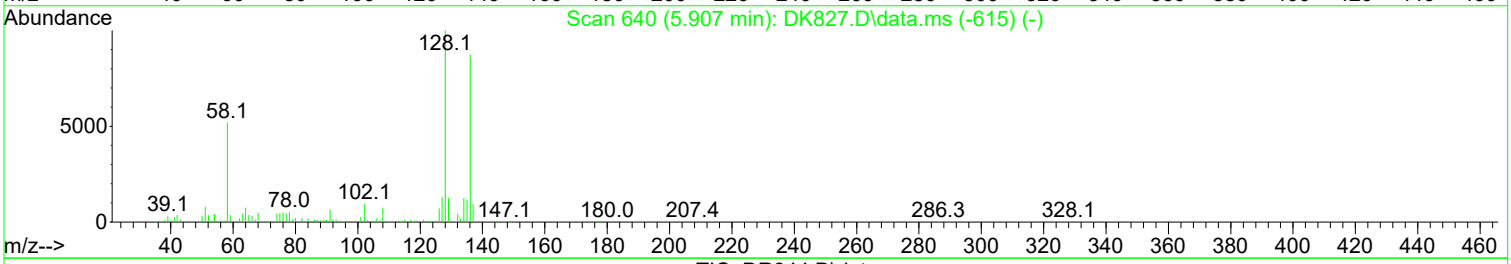
1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR844.D
Acq On : 30 Apr 2019 12:34 pm
Operator : JMisiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 01 08:53:57 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR844.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

6.010min (+ 0.049) 25.28 ppm

response 196453

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	8.84
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

05/01/19

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR844.D
Acq On : 30 Apr 2019 12:34 pm
Operator : JMisiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 01 08:53:57 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.733	152	111094	40.00	ppm	0.00
33) d8-Naphthalene	5.903	136	409743	40.00	ppm	0.00
57) d10-Acenaphthene	7.612	164	205062	40.00	ppm	0.00
91) d10-Phenanthrene	9.086	188	318535	40.00	ppm	0.00
117) d12-Chrysene	12.360	240	284078	40.00	ppm	0.00
135) d12-Perylene	15.298	264	284491	40.00	ppm	0.00
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.660	112	328643	81.33	ppm	0.00
Spiked Amount 100.000	Range 10 - 70		Recovery = 81.33%#			
12) SURR2,PHENOL-D6	4.424	99	408099	82.21	ppm	0.00
Spiked Amount 100.000	Range 10 - 107		Recovery = 82.21%			
34) SURR4,NITROBENZENE-D5	5.241	82	330150	79.40	ppm	0.00
Spiked Amount 50.000	Range 31 - 110		Recovery = 158.80%#			
63) SURR5,2-FLUOROBIPHENYL	6.944	172	609960	78.22	ppm	0.00
Spiked Amount 50.000	Range 31 - 118		Recovery = 156.44%#			
88) SURR3,2,4,6-TRIBROMOPH...	8.403	330	65942	78.53	ppm	0.00
Spiked Amount 100.000	Range 35 - 141		Recovery = 78.53%			
124) SURR6,TERPHENYL-D14	10.774	244	545637	81.53	ppm	0.00
Spiked Amount 50.000	Range 10 - 165		Recovery = 163.06%			
Target Compounds						Qvalue
2) Pyridine	2.608	79	376380	88.267	ppm	100
3) N-Nitrosodimethylamine	2.581	74	220543	85.036	ppm	100
4) 2-Picoline	3.190	93	361943	82.030	ppm	100
5) N-Nitrosomethylamine	3.281	42	141006	78.611	ppm	100
6) Methyl Methansulfonate	3.521	80	164037	81.611	ppm	100
8) N-Nitrosodiethylamine	3.831	102	160555	81.486	ppm	100
9) Ethyl Mathanesulfonate	4.076	79	264634	77.913	ppm	100
10) Benzaldehyde	4.365	106	219717	77.316	ppm	100
11) Aniline	4.456	93	516077	81.455	ppm	100
13) Phenol	4.434	94	441888	81.389	ppm	100
14) bis(2-Clethyl)Ether	4.493	93	294432	78.376	ppm	100
15) Pentachloroethane	4.493	117	121611	80.401	ppm	100
16) 2-Chlorophenol	4.562	128	346574	81.264	ppm	100
17) 1,3-Diclbenzene	4.685	146	355705	80.143	ppm	100
18) 1,4-Dichlorobenzene	4.749	146	367639	80.941	ppm	100
19) 1,2-Diclbenzene	4.883	146	345901	79.703	ppm	100
20) Benzyl Alcohol	4.861	79	234795	81.288	ppm	100
21) 1-Methyl-2-pyrrolidinone	4.894	99	218447	82.749	ppm	100
22) 2,2'-oxybis(1-Chloropr...	4.963	45	287632	79.683	ppm	100
23) 2-Methylphenol	4.974	108	299664	78.308	ppm	100
24) 3+4-Methylphenol	5.107	108	346543	80.038	ppm	100
25) Acetophenone	5.096	105	418092	77.743	ppm	100
26) N-Nitroso-Di-n-propyla...	5.091	70	221412	76.337	ppm	100
27) N-Nitrosopyrrolidine	5.096	100	168207	79.753	ppm	100
28) N-Nitrosomorpholine	5.123	56	156895	75.574	ppm	100
29) o-Toluidine	5.129	106	466192	78.062	ppm	100
30) Hexachloroethane	5.182	117	137561	78.684	ppm	100
31) o,o,o-Triethylphosphor...	5.631	198	143394	78.753	ppm	100
32) Alpha-terpinol	5.924	121	110881	78.152	ppm	100
35) Nitrobenzene	5.257	77	329303	78.862	ppm	100
36) N-Nitrosopiperidine	5.396	42	179943	79.271	ppm	100
37) Isophorone	5.470	82	558994	80.302	ppm	100
38) 2-Nitrophenol	5.545	139	179504	83.076	ppm	100

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR844.D
Acq On : 30 Apr 2019 12:34 pm
Operator : JMisiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 01 08:53:57 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) 2,4-Dimethylphenol	5.588	107	322041	82.762	ppm		100
40) bis(-2-Chloroethoxy)Me...	5.663	93	332522	81.244	ppm		100
41) Benzoic Acid	5.695	105	134604	80.159	ppm		94
42) 2,4-Dichlorophenol	5.785	162	259076	84.060	ppm		100
43) a,a-Dimethylphenethyla...	5.903	58	659304m	84.841	ppm		
44) 1,2,4-Trichlorobenzene	5.844	180	264242	81.315	ppm		100
45) Naphthalene	5.924	128	902601	79.924	ppm		100
46) 4-Chloroaniline	5.983	127	385441	81.565	ppm		100
47) 2,6-Dichlorophenol	5.988	162	260909	80.954	ppm		100
48) Hexachlorobutadiene	6.026	225	131095	79.619	ppm		100
49) Hexachloropropene	5.999	213	168191	81.754	ppm		100
50) 4-Chloro-3-methylphenol	6.469	107	254044	82.664	ppm		100
51) N-N-di-n-butylamine	6.288	84	194414	79.637	ppm		100
52) Caprolactam	6.346	113	93444	76.490	ppm		100
53) p-Phenylenediamine	6.341	80	67932	84.199	ppm		100
54) Safrole	6.501	162	236369	81.539	ppm		100
55) 2-Methylnaphthalene	6.592	142	592802	81.105	ppm		100
56) 1-Methylnaphthalene	6.688	142	542246	79.301	ppm		100
58) Hexachlorocyclopentadiene	6.731	237	117190	80.716	ppm		100
59) 1,2,4,5-Tetrachloroben...	6.752	216	238205	78.926	ppm		100
60) 1,2,3,4-Tetrachloroben...	7.030	216	251337	79.086	ppm		100
61) 2,4,6-Trichlorophenol	6.875	196	155958	81.585	ppm		100
62) 2,4,5-Trichlorophenol	6.928	196	168305	81.859	ppm		100
64) Isosafrole	7.009	104	101971	77.320	ppm	#	62
65) 1,1'-Biphenyl	7.046	154	717251	78.956	ppm		100
66) 2-Chloronaphthalene	7.073	162	512823	78.105	ppm		100
67) 2-Nitroaniline	7.185	65	141128	75.195	ppm		100
68) 1,4-Naphthoquinone	7.254	158	172344	83.613	ppm		100
69) m-Dinitrobenzene	7.398	168	101285	78.517	ppm		100
70) Acenaphthylene	7.479	152	821644	78.128	ppm		100
71) Dimethyl phthalate	7.345	163	572844	74.623	ppm		100
72) 2,6-Dinitrotoluene	7.420	165	132813	76.208	ppm		100
73) Acenaphthene	7.644	153	575749	78.700	ppm		100
74) 3-Nitroaniline	7.596	138	158445	79.087	ppm		100
75) 2,4-Dinitrophenol	7.708	184	54555	82.677	ppm		100
76) Dibenzofuran	7.815	168	715203	79.169	ppm		100
77) 2,4-Dinitrotoluene	7.820	165	183798	79.854	ppm		100
78) 4-Nitrophenol	7.810	65	110328	82.393	ppm		100
79) Pentachlorobenzene	7.772	250	190494	78.758	ppm		100
80) 1-Napthylamine	7.906	143	361879	76.065	ppm		100
81) 2-Napthylamine	7.986	143	463730	76.496	ppm		100
82) 2,3,4,6-Tetrachlorophenol	7.949	232	116398	82.848	ppm		100
83) Fluorene	8.157	166	564935	76.057	ppm		100
84) 4-Chlorophenyl-phenyle...	8.152	204	233614	77.960	ppm		100
85) Diethylphthalate	8.039	149	588104	77.358	ppm		100
86) 4-Nitroaniline	8.210	138	164156	83.070	ppm		100
87) 5-Nitro-o-toluidine	8.189	152	181063	80.711	ppm		100
89) Sulfotepp	8.419	322	73608	77.577	ppm		100
90) Octachlorocyclopentene	8.397	307	79068	81.859	ppm		100
92) Thionazin	8.120	107	95217	76.193	ppm		100
93) 4,6-Dinitro-2-methylph...	8.226	198	100320	81.703	ppm		100
94) Diphenylamine	8.274	169	873772	155.233	ppm		100
95) 1,2 Diphenylhydrazine	8.312	77	530964	74.741	ppm		100
96) N-Nitrosodiphenylamine	8.274	169	873772	155.233	ppm		100
97) 1,3,5-Trinirobenzene	8.600	74	82701	81.405	ppm		99
98) Diallate	8.547	86	211831	73.782	ppm		100

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR844.D
Acq On : 30 Apr 2019 12:34 pm
Operator : JMisiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 01 08:53:57 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

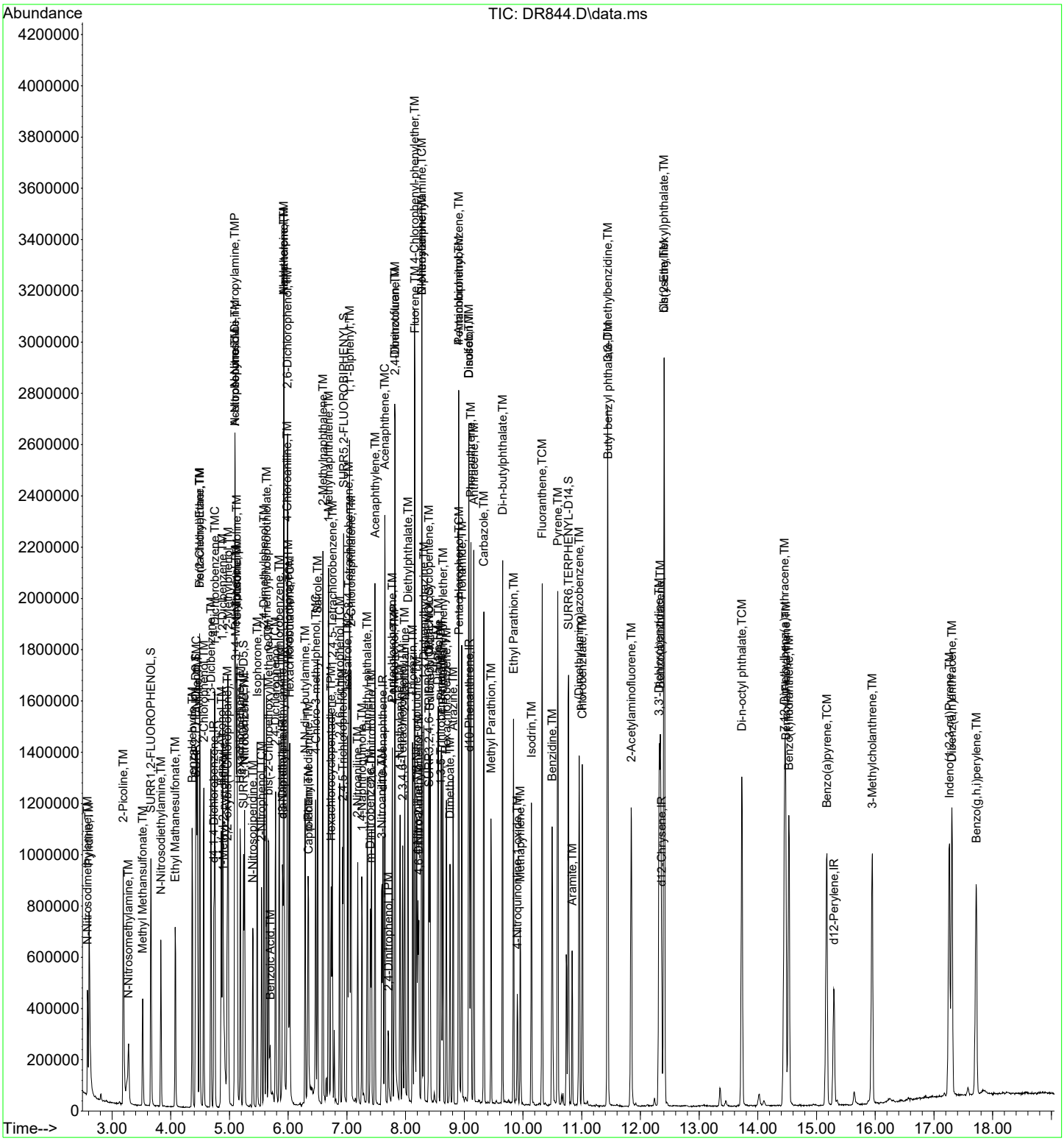
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) Phorate	8.557	121	111891	75.944	ppm	100
100) Phenacetin	8.611	108	297716	80.209	ppm	100
101) 4-Bromophenyl-phenylether	8.638	248	127565	76.589	ppm	100
102) Hexachlorobenzene	8.696	284	140131	74.815	ppm	100
103) Dimethoate	8.755	87	186500	76.628	ppm	100
104) Atrazine	8.809	215	71495	78.500	ppm	100
105) Pentachlorophenol	8.910	266	56841	81.989	ppm	100
106) 4-Aminobiphenyl	8.905	169	462487	80.861	ppm	100
107) Pentachloronitrobenzene	8.905	237	56797	82.082	ppm	100
108) Pronamide	8.958	173	272179	83.573	ppm	100
109) Dinoseb	9.076	211	134438	83.187	ppm	100
110) Disulfoton	9.076	88	267536	72.456	ppm	100
111) Phenanthrene	9.113	178	785410	77.967	ppm	100
112) Anthracene	9.161	178	786077	78.536	ppm	100
113) Carbazole	9.332	167	791248	80.478	ppm	100
114) Di-n-butylphthalate	9.652	149	1008750	79.378	ppm	100
115) 4-Nitroquinonline-1-oxide	9.903	190	49818	83.608	ppm	100
116) Fluoranthene	10.325	202	835629	81.027	ppm	100
118) Methyl Parathion	9.455	109	183402	81.434	ppm	100
119) Ethyl Parathion	9.839	97	135214	80.357	ppm	100
120) Methapyrilene	9.952	58	195727	79.959	ppm	100
121) Isodrin	10.144	193	83187	80.091	ppm	100
122) Benzidine	10.496	184	562198	84.341	ppm	100
123) Pyrene	10.592	202	871472	83.541	ppm	100
125) Aramite	10.838	185	116877m	81.757	ppm	
126) p-(Dimethylamino)azobe...	10.956	120	267727	86.391	ppm	100
127) Chlorobenzilate	11.009	139	302142	83.455	ppm	100
128) Butyl benzyl phthalate	11.447	149	468336	80.931	ppm	100
129) 3,3-Dimethylbenzidine	11.442	212	531704	83.799	ppm	100
130) 2-Acetylaminofluorene	11.842	181	388225	84.001	ppm	100
131) 3,3'-Dichlorobenzidine	12.318	252	306168	81.027	ppm	100
132) Benzo(a)anthracene	12.339	228	773134	80.150	ppm	100
133) Chrysene	12.403	228	712779	80.322	ppm	100
134) bis(2-Ethylhexyl)phtha...	12.403	149	645437	81.041	ppm	100
136) Di-n-octyl phthalate	13.728	149	1089722	80.711	ppm	100
137) 7,12-Dimethylbenz(a)an...	14.454	256	354463	82.419	ppm	100
138) Benzo(b)Fluoranthene	14.475	252	769221	81.251	ppm	100
139) Benzo(k)fluoranthene	14.529	252	736138	82.097	ppm	100
140) Benzo(a)pyrene	15.175	252	662670	81.392	ppm	100
141) 3-Methylcholanthrene	15.950	268	389332	81.648	ppm	100
142) Indeno(1,2,3-cd)Pyrene	17.263	276	634202	79.429	ppm	100
143) Dibenz(a,h)anthracene	17.306	278	677770	81.016	ppm	100
144) Benzo(g,h,i)perylene	17.723	276	548987	79.777	ppm	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR844.D
Acq On : 30 Apr 2019 12:34 pm
Operator : JMisiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 10 Sample Multiplier: 1

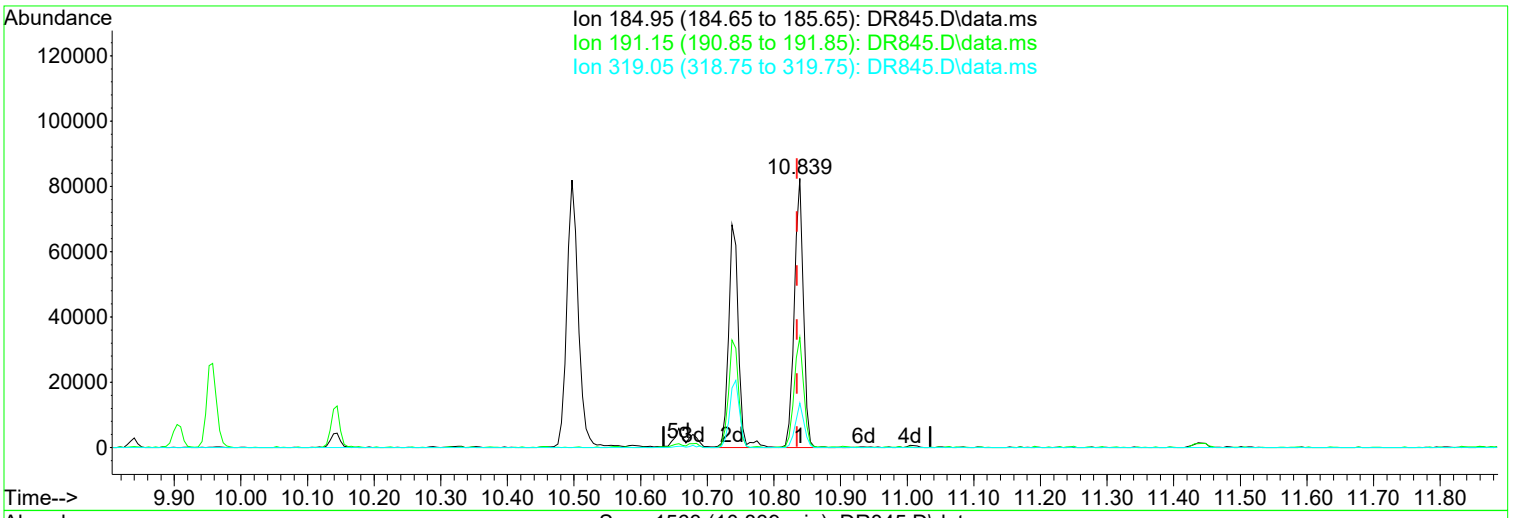
Quant Time: May 01 08:53:57 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

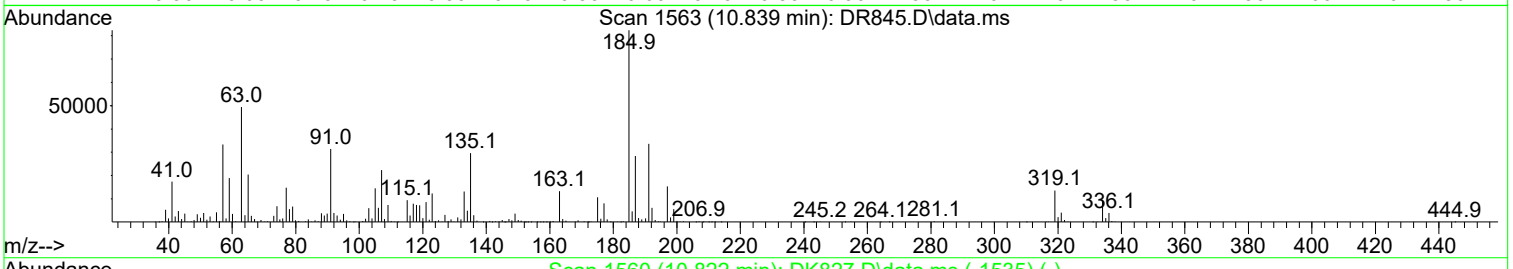


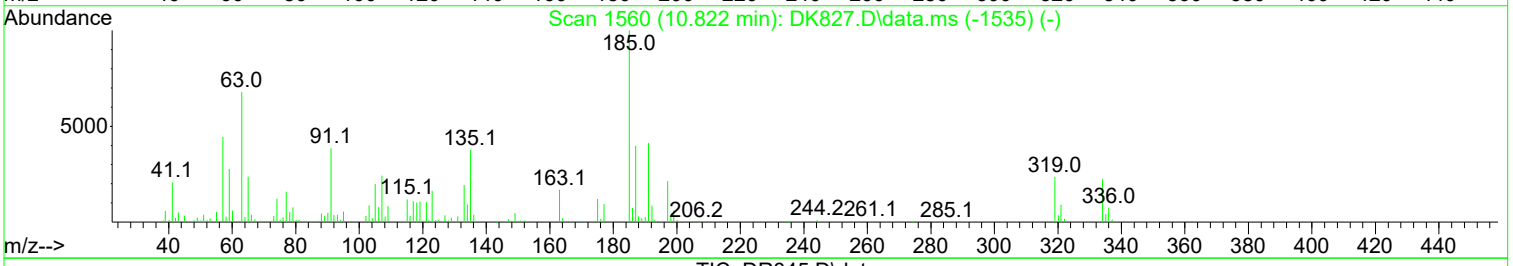
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR845.D
Acq On : 30 Apr 2019 1:03 pm
Operator : JMisiurewicz
Sample : 100 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 01 08:54:02 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR845.D\data.ms

(125) Aramite (TM)

10.839min (+ 0.004) 102.06 ppm m

response 147188

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	40.89
319.05	16.80	16.51
0.00	0.00	0.00

Manual Integration:

After

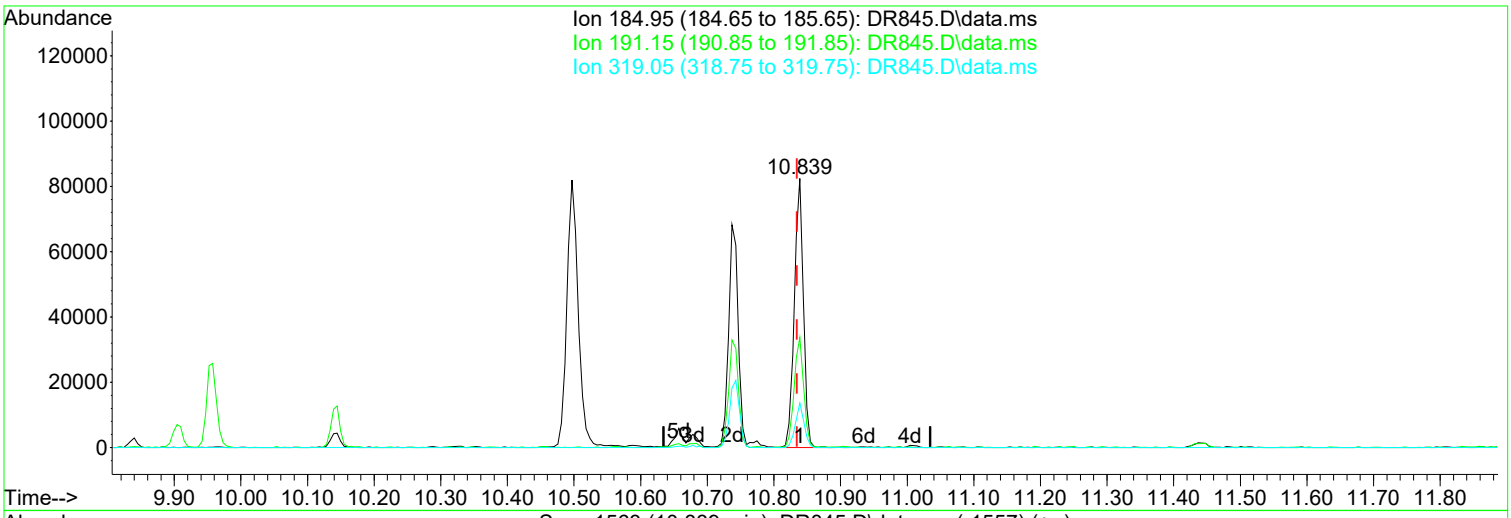
Split Peak.

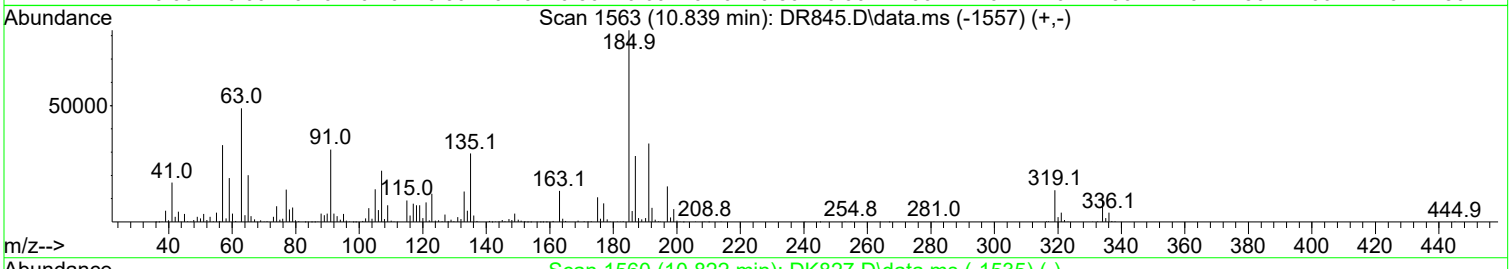
05/01/19

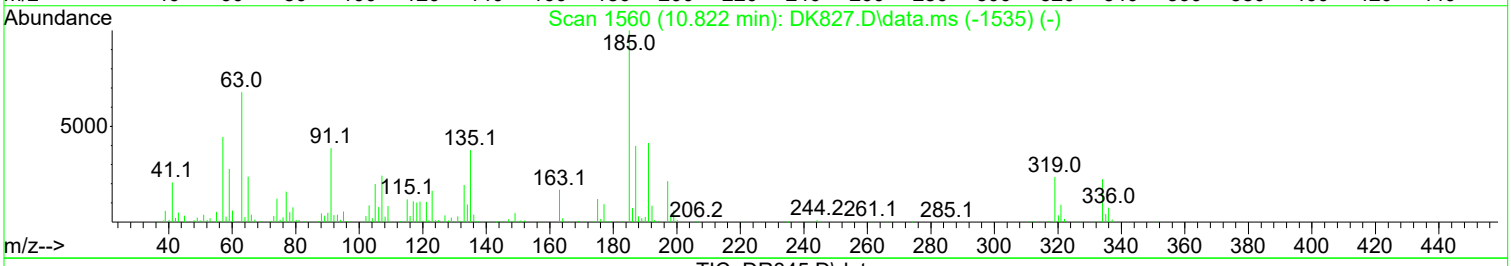
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR845.D
Acq On : 30 Apr 2019 1:03 pm
Operator : JMisiurewicz
Sample : 100 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 01 08:54:02 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR845.D\data.ms

(125) Aramite (TM)

10.839min (+ 0.004) 54.24 ppm

response 78224

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	40.65
319.05	16.80	16.51
0.00	0.00	0.00

Manual Integration:

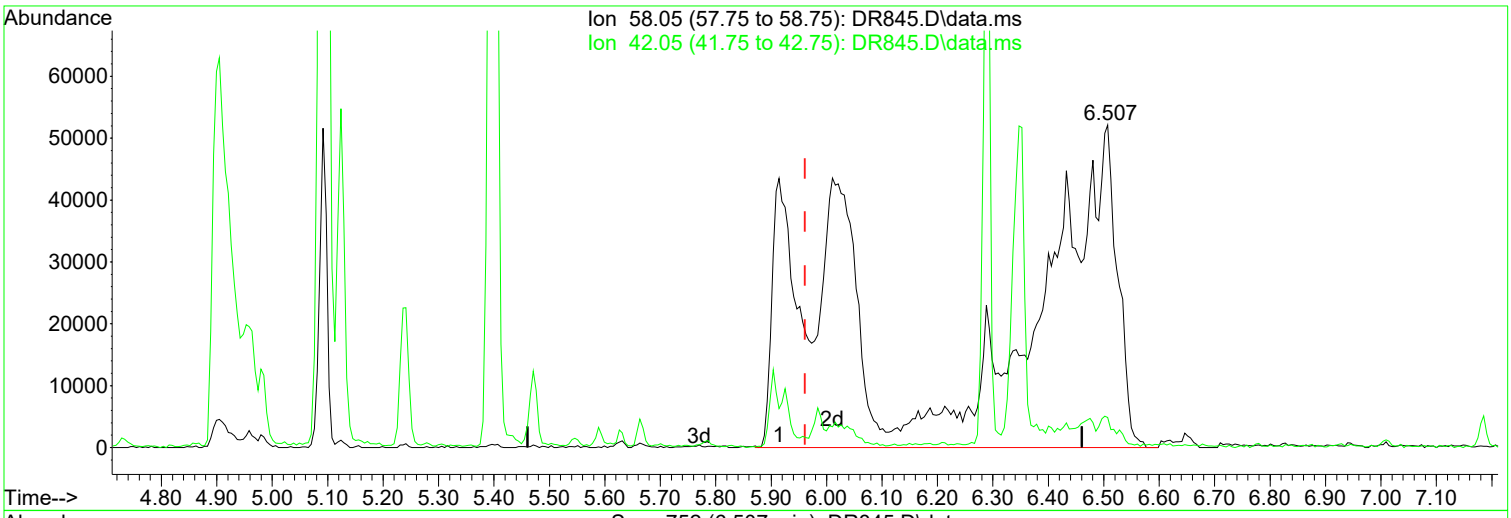
Before

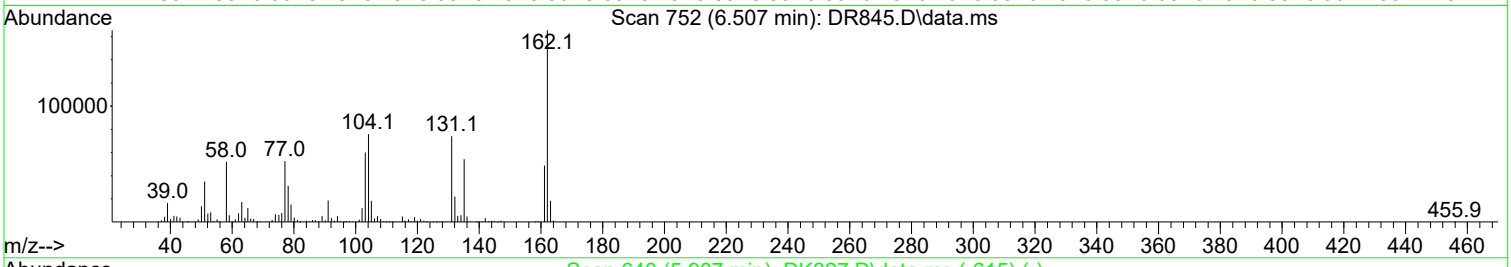
05/01/19

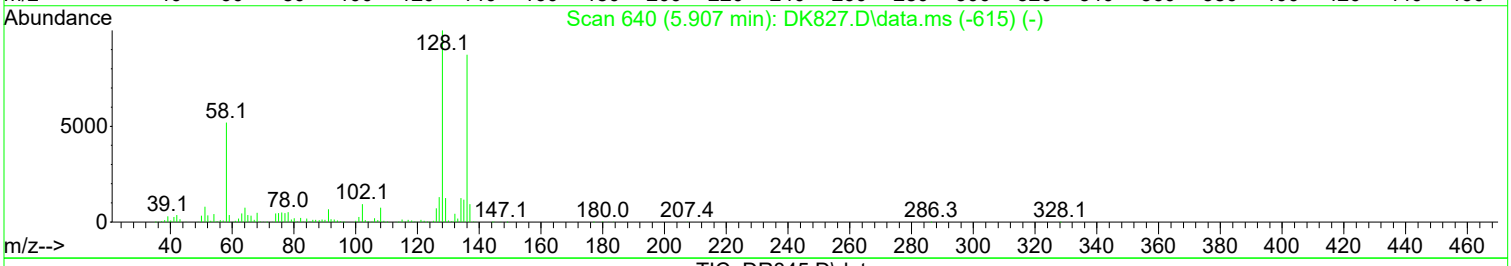
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR845.D
Acq On : 30 Apr 2019 1:03 pm
Operator : JMisiurewicz
Sample : 100 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 01 08:54:02 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR845.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

6.507min (+ 0.546) 99.84 ppm m

response 796456

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	9.29
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

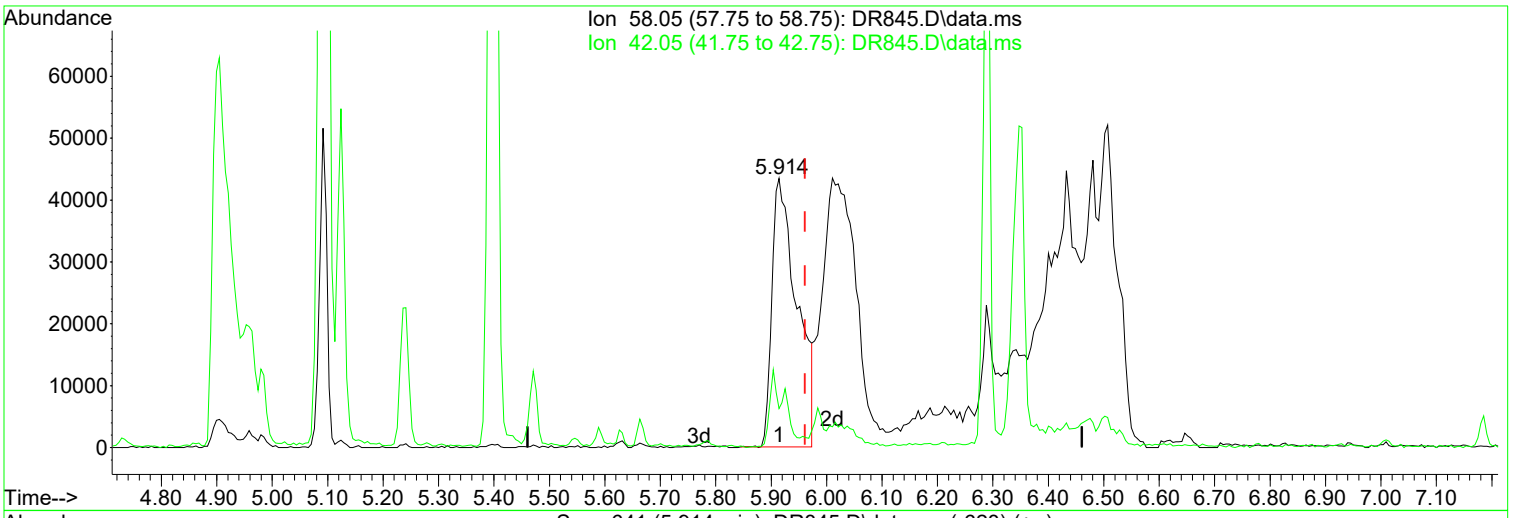
Poor integration.

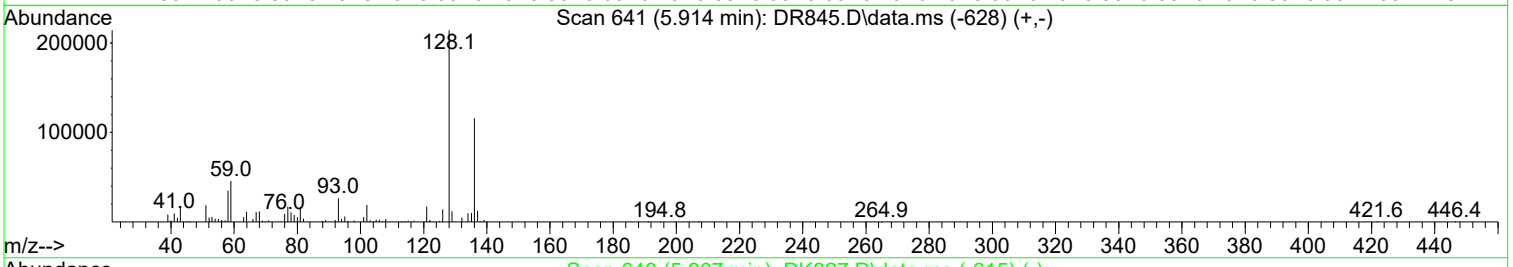
05/01/19

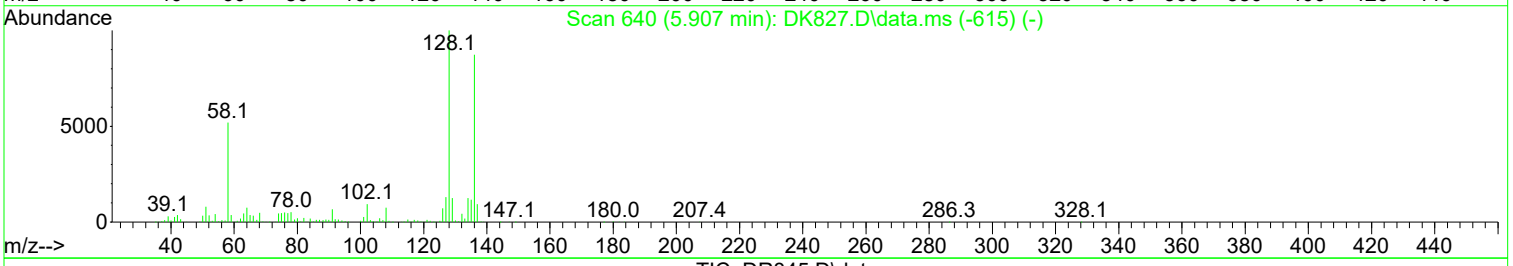
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR845.D
Acq On : 30 Apr 2019 1:03 pm
Operator : JMisiurewicz
Sample : 100 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 01 08:54:02 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR845.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.914min (-0.047) 17.09 ppm

response 136308

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	13.79
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

05/01/19

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR845.D
Acq On : 30 Apr 2019 1:03 pm
Operator : JMisiurewicz
Sample : 100 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 01 08:54:02 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.734	152	109457	40.00	ppm	0.00
33) d8-Naphthalene	5.904	136	420623	40.00	ppm	0.00
57) d10-Acenaphthene	7.613	164	206728	40.00	ppm	0.00
91) d10-Phenanthrene	9.087	188	321848	40.00	ppm	0.00
117) d12-Chrysene	12.361	240	286588	40.00	ppm	0.00
135) d12-Perylene	15.293	264	283552	40.00	ppm	0.00
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.660	112	397380	99.81	ppm	0.00
Spiked Amount 100.000	Range 10 - 70		Recovery = 99.81%#			
12) SURR2,PHENOL-D6	4.424	99	495554	101.31	ppm	0.00
Spiked Amount 100.000	Range 10 - 107		Recovery = 101.31%			
34) SURR4,NITROBENZENE-D5	5.241	82	399227	93.53	ppm	0.00
Spiked Amount 50.000	Range 31 - 110		Recovery = 187.06%#			
63) SURR5,2-FLUOROBIPHENYL	6.945	172	757488	96.36	ppm	0.00
Spiked Amount 50.000	Range 31 - 118		Recovery = 192.72%#			
88) SURR3,2,4,6-TRIBROMOPH...	8.403	330	82636	97.62	ppm	0.00
Spiked Amount 100.000	Range 35 - 141		Recovery = 97.62%			
124) SURR6,TERPHENYL-D14	10.775	244	685479	101.53	ppm	0.00
Spiked Amount 50.000	Range 10 - 165		Recovery = 203.06%#			
Target Compounds						Qvalue
2) Pyridine	2.608	79	445323	105.997	ppm	99
3) N-Nitrosodimethylamine	2.581	74	269479	105.459	ppm	96
4) 2-Picoline	3.190	93	427285	98.288	ppm	96
5) N-Nitrosomethylamine	3.276	42	171847	97.237	ppm	90
6) Methyl Methansulfonate	3.521	80	204172	103.098	ppm	97
8) N-Nitrosodiethylamine	3.831	102	195112	100.506	ppm	98
9) Ethyl Mathanesulfonate	4.077	79	322226	96.288	ppm	99
10) Benzaldehyde	4.365	106	266582	95.210	ppm	99
11) Aniline	4.456	93	631154	101.107	ppm	100
13) Phenol	4.435	94	531699	99.395	ppm	98
14) bis(2-Clethyl)Ether	4.494	93	352753	95.305	ppm	99
15) Pentachloroethane	4.488	117	145001	97.299	ppm	93
16) 2-Chlorophenol	4.563	128	420052	99.965	ppm	99
17) 1,3-Diclbenzene	4.680	146	434762	99.420	ppm	99
18) 1,4-Dichlorobenzene	4.750	146	439505	98.210	ppm	97
19) 1,2-Diclbenzene	4.883	146	424944	99.381	ppm	99
20) Benzyl Alcohol	4.862	79	297009	104.365	ppm	99
21) 1-Methyl-2-pyrrolidinone	4.905	99	266137	102.322	ppm	96
22) 2,2'-oxybis(1-Chloropr...	4.964	45	344701	96.921	ppm	96
23) 2-Methylphenol	4.980	108	360667	95.659	ppm	99
24) 3+4-Methylphenol	5.113	108	417136	97.783	ppm	98
25) Acetophenone	5.097	105	508872	96.038	ppm	98
26) N-Nitroso-Di-n-propyla...	5.092	70	278889	97.591	ppm	100
27) N-Nitrosopyrrolidine	5.097	100	202587	97.490	ppm	89
28) N-Nitrosomorpholine	5.124	56	195131	95.397	ppm	98
29) o-Toluidine	5.129	106	581032	98.747	ppm	93
30) Hexachloroethane	5.183	117	168352	97.737	ppm	98
31) o,o,o-Triethylphosphor...	5.631	198	177230	98.792	ppm	98
32) Alpha-terpinol	5.925	121	136732	97.814	ppm	97
35) Nitrobenzene	5.257	77	398508	92.966	ppm	98
36) N-Nitrosopiperidine	5.396	42	225618	96.822	ppm	94
37) Isophorone	5.471	82	684183	95.744	ppm	99
38) 2-Nitrophenol	5.546	139	219228	98.836	ppm	100

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR845.D
Acq On : 30 Apr 2019 1:03 pm
Operator : JMisiurewicz
Sample : 100 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 01 08:54:02 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) 2,4-Dimethylphenol	5.588	107	389988	97.632	ppm		98
40) bis(-2-Chloroethoxy)Me...	5.663	93	407625	97.018	ppm		99
41) Benzoic Acid	5.701	105	181841	100.750	ppm		98
42) 2,4-Dichlorophenol	5.786	162	316719	100.105	ppm		99
43) a,a-Dimethylphenethyla...	6.507	58	796456m	99.839	ppm		
44) 1,2,4-Trichlorobenzene	5.845	180	322841	96.777	ppm		98
45) Naphthalene	5.925	128	1106685	95.460	ppm		99
46) 4-Chloroaniline	5.984	127	472643	97.432	ppm		98
47) 2,6-Dichlorophenol	5.989	162	330909	100.018	ppm		97
48) Hexachlorobutadiene	6.026	225	159911	94.608	ppm		100
49) Hexachloropropene	6.000	213	204175	96.678	ppm		99
50) 4-Chloro-3-methylphenol	6.470	107	309999	98.262	ppm		85
51) N-N-di-n-butylamine	6.288	84	240177	95.838	ppm		96
52) Caprolactam	6.352	113	118294	94.327	ppm		98
53) p-Phenylenediamine	6.342	80	79871	96.437	ppm		93
54) Safrole	6.502	162	301477	101.310	ppm		95
55) 2-Methylnaphthalene	6.593	142	721249	96.126	ppm		98
56) 1-Methylnaphthalene	6.689	142	678178	96.615	ppm		99
58) Hexachlorocyclopentadiene	6.731	237	151756	101.110	ppm		99
59) 1,2,4,5-Tetrachloroben...	6.753	216	299645	98.483	ppm		99
60) 1,2,3,4-Tetrachloroben...	7.031	216	312004	97.384	ppm		99
61) 2,4,6-Trichlorophenol	6.876	196	199664	103.607	ppm		93
62) 2,4,5-Trichlorophenol	6.929	196	211791	102.179	ppm		97
64) Isosafrole	7.009	104	127160	95.643	ppm		98
65) 1,1'-Biphenyl	7.047	154	886702	96.823	ppm		99
66) 2-Chloronaphthalene	7.068	162	634011	95.784	ppm		98
67) 2-Nitroaniline	7.185	65	173788	91.851	ppm		98
68) 1,4-Naphthoquinone	7.255	158	199712	96.109	ppm		84
69) m-Dinitrobenzene	7.399	168	130927	100.677	ppm		100
70) Acenaphthylene	7.479	152	1021941	96.391	ppm		100
71) Dimethyl phthalate	7.346	163	711077	91.884	ppm		100
72) 2,6-Dinitrotoluene	7.420	165	174278	99.195	ppm		96
73) Acenaphthene	7.645	153	709785	96.239	ppm		99
74) 3-Nitroaniline	7.597	138	200747	99.394	ppm		96
75) 2,4-Dinitrophenol	7.704	184	73107	101.037	ppm		94
76) Dibenzofuran	7.816	168	883878	97.051	ppm		98
77) 2,4-Dinitrotoluene	7.821	165	233202	100.502	ppm		92
78) 4-Nitrophenol	7.810	65	131899	97.708	ppm	#	62
79) Pentachlorobenzene	7.773	250	241221	98.927	ppm		98
80) 1-Napthylamine	7.907	143	445596	92.907	ppm		99
81) 2-Napthylamine	7.987	143	589167	96.405	ppm		98
82) 2,3,4,6-Tetrachlorophenol	7.949	232	145153	102.482	ppm		97
83) Fluorene	8.158	166	709836	94.795	ppm		100
84) 4-Chlorophenyl-phenyle...	8.152	204	287226	95.079	ppm		99
85) Diethylphthalate	8.040	149	741803	96.789	ppm		98
86) 4-Nitroaniline	8.211	138	202375	101.585	ppm		96
87) 5-Nitro-o-toluidine	8.190	152	227934	100.785	ppm		98
89) Sulfotepp	8.419	322	92607	96.814	ppm		95
90) Octachlorocyclopentene	8.393	307	98252	100.901	ppm		96
92) Thionazin	8.120	107	118942	94.198	ppm		98
93) 4,6-Dinitro-2-methylph...	8.227	198	129465	104.354	ppm		97
94) Diphenylamine	8.275	169	1088988	191.476	ppm		98
95) 1,2 Diphenylhydrazine	8.307	77	654364	91.163	ppm		95
96) N-Nitrosodiphenylamine	8.275	169	1088988	191.476	ppm		98
97) 1,3,5-Trinirobenzene	8.606	74	101938	99.308	ppm		94
98) Diallate	8.547	86	262442	90.469	ppm		99

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR845.D
Acq On : 30 Apr 2019 1:03 pm
Operator : JMisiurewicz
Sample : 100 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 01 08:54:02 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

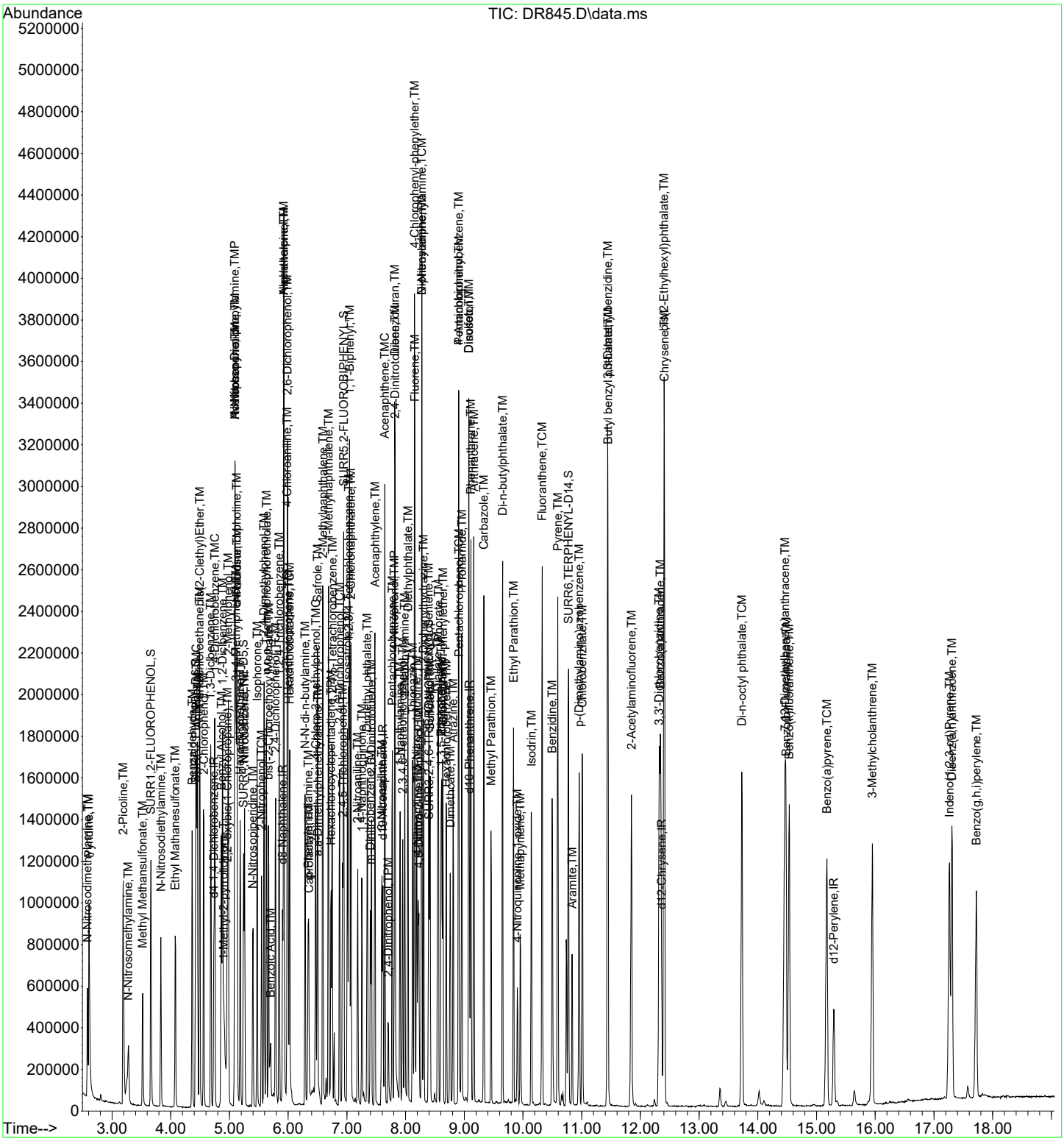
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) Phorate	8.558	121	137502	92.367	ppm	97
100) Phenacetin	8.617	108	368881	98.359	ppm	97
101) 4-Bromophenyl-phenylether	8.638	248	158468	94.164	ppm	97
102) Hexachlorobenzene	8.697	284	173023	91.425	ppm	94
103) Dimethoate	8.761	87	225714	91.785	ppm	98
104) Atrazine	8.809	215	88572	96.249	ppm	98
105) Pentachlorophenol	8.911	266	73288	99.843	ppm	97
106) 4-Aminobiphenyl	8.905	169	575554	99.594	ppm	99
107) Pentachloronitrobenzene	8.905	237	73107	104.565	ppm	99
108) Pronamide	8.959	173	341727	103.848	ppm	99
109) Dinoseb	9.076	211	166760	102.124	ppm	96
110) Disulfoton	9.076	88	333707	89.447	ppm	98
111) Phenanthrene	9.114	178	986591	96.930	ppm	100
112) Anthracene	9.162	178	981876	97.088	ppm	99
113) Carbazole	9.333	167	968432	97.485	ppm	100
114) Di-n-butylphthalate	9.653	149	1276686	99.428	ppm	99
115) 4-Nitroquinonline-1-oxide	9.904	190	66597	110.617	ppm	97
116) Fluoranthene	10.326	202	1048290	100.601	ppm	100
118) Methyl Parathion	9.455	109	222878	98.095	ppm	99
119) Ethyl Parathion	9.840	97	167044	98.404	ppm	96
120) Methapyrilene	9.952	58	234558	94.983	ppm	100
121) Isodrin	10.144	193	106211	101.362	ppm	98
122) Benzidine	10.497	184	692387	102.962	ppm	100
123) Pyrene	10.593	202	1088946	103.474	ppm	99
125) Aramite	10.839	185	147188m	102.058	ppm	
126) p-(Dimethylamino)azobe...	10.956	120	335183	107.210	ppm	94
127) Chlorobenzilate	11.010	139	375294	102.753	ppm	99
128) Butyl benzyl phthalate	11.448	149	579692	99.296	ppm	99
129) 3,3-Dimethylbenzidine	11.442	212	663318	103.626	ppm	99
130) 2-Acetylaminofluorene	11.848	181	484732	103.964	ppm	100
131) 3,3'-Dichlorobenzidine	12.318	252	385310	101.079	ppm	98
132) Benzo(a)anthracene	12.340	228	945968	97.209	ppm	99
133) Chrysene	12.409	228	871230	97.318	ppm	99
134) bis(2-Ethylhexyl)phtha...	12.404	149	798808	99.420	ppm	99
136) Di-n-octyl phthalate	13.728	149	1386478	103.031	ppm	100
137) 7,12-Dimethylbenz(a)an...	14.460	256	436078	101.732	ppm	97
138) Benzo(b)Fluoranthene	14.481	252	945047	100.153	ppm	99
139) Benzo(k)fluoranthene	14.535	252	894547	100.094	ppm	99
140) Benzo(a)pyrene	15.176	252	833780	102.747	ppm	99
141) 3-Methylcholanthrene	15.950	268	482327	101.485	ppm	97
142) Indeno(1,2,3-cd)Pyrene	17.264	276	791258	99.427	ppm	95
143) Dibenz(a,h)anthracene	17.307	278	812957	97.497	ppm	99
144) Benzo(g,h,i)perylene	17.723	276	654462	95.419	ppm	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR845.D
Acq On : 30 Apr 2019 1:03 pm
Operator : JMisiurewicz
Sample : 100 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 11 Sample Multiplier: 1

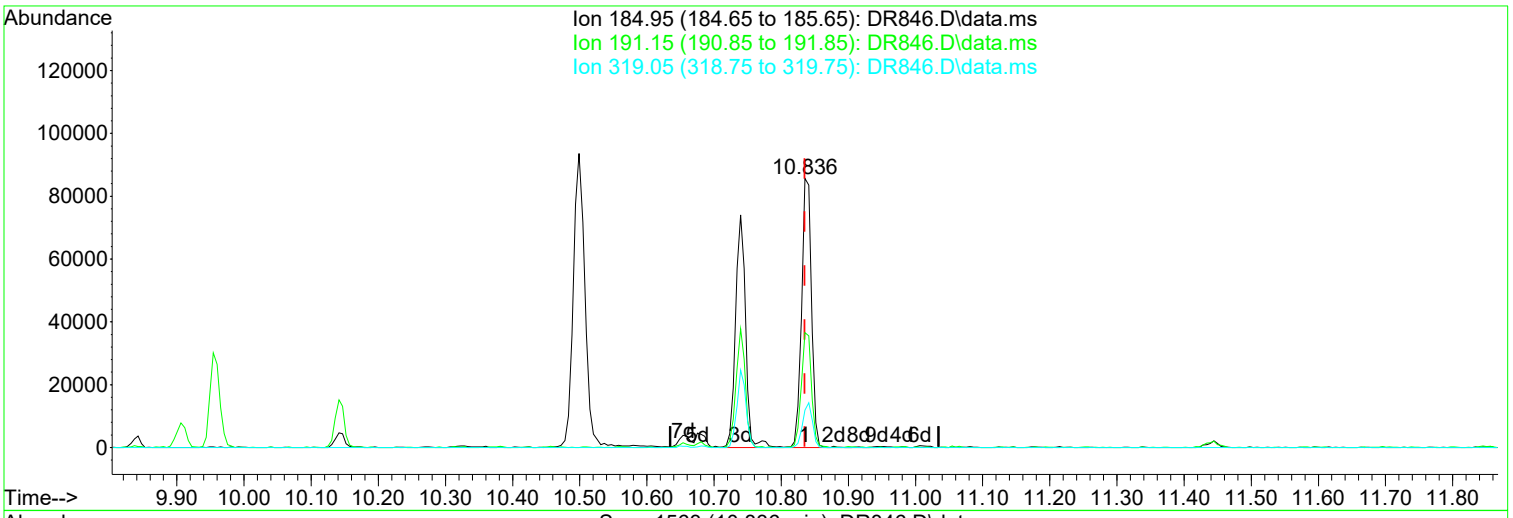
Quant Time: May 01 08:54:02 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

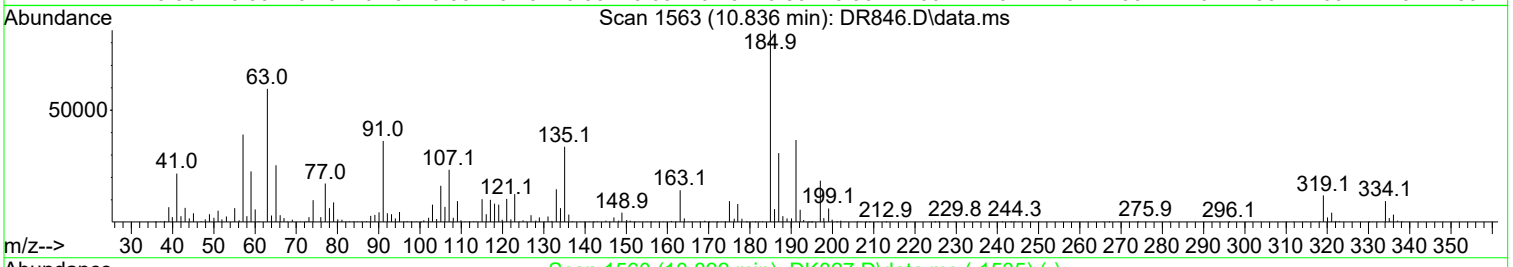


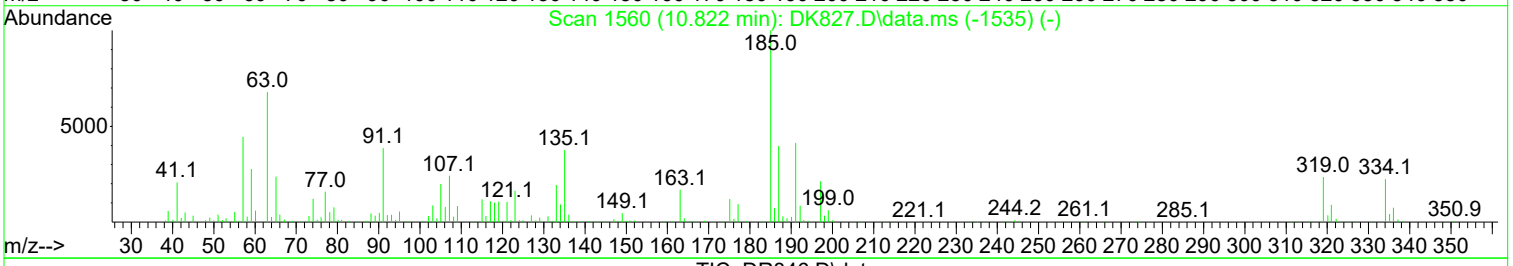
1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR846.D
Acq On : 30 Apr 2019 1:33 pm
Operator : JMisiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 01 08:54:07 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR846.D\data.ms

(125) Aramite (TM)

10.836min (+ 0.001) 115.63 ppm m

response 164803

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	42.74
319.05	16.80	13.91
0.00	0.00	0.00

Manual Integration:

After

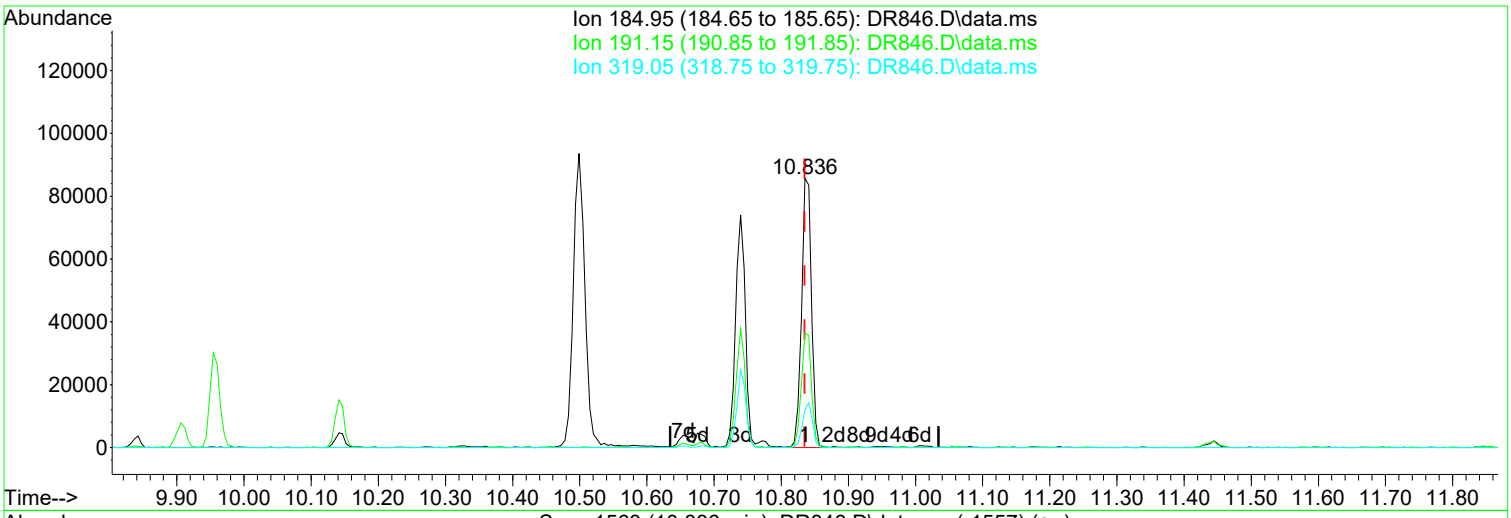
Split Peak.

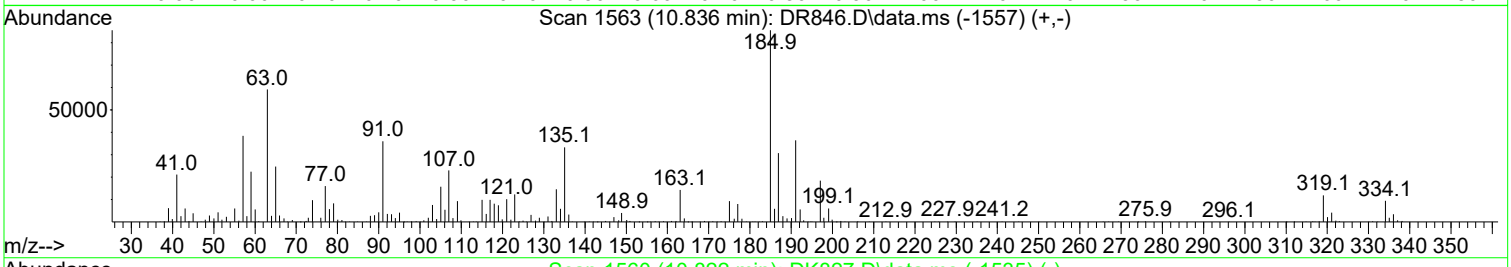
05/01/19

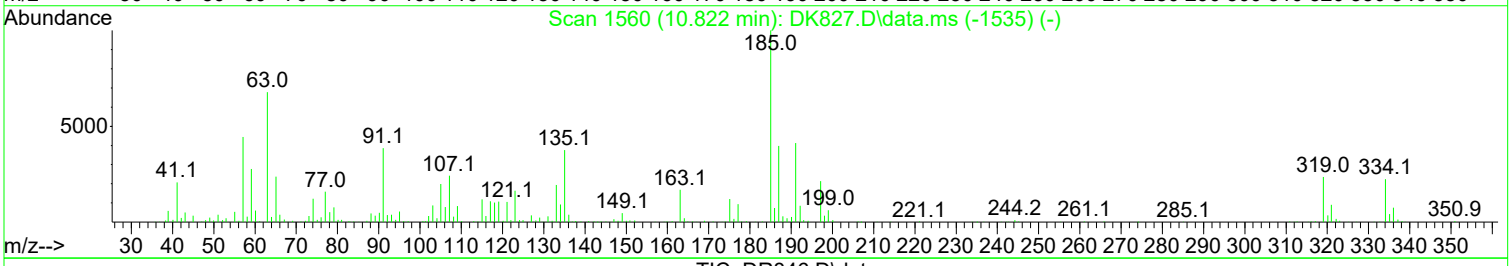
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR846.D
Acq On : 30 Apr 2019 1:33 pm
Operator : JMisiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 01 08:54:07 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR846.D\data.ms

(125) Aramite (TM)

10.836min (+ 0.001) 61.01 ppm

response 86950

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	42.61
319.05	16.80	13.92
0.00	0.00	0.00

Manual Integration:

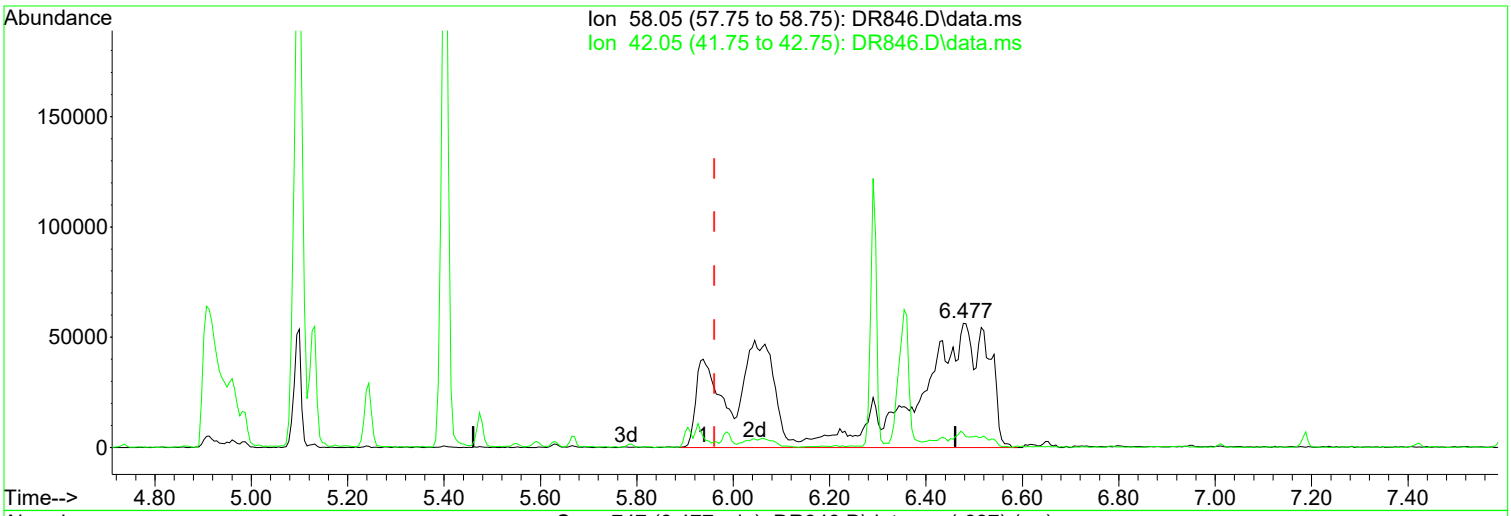
Before

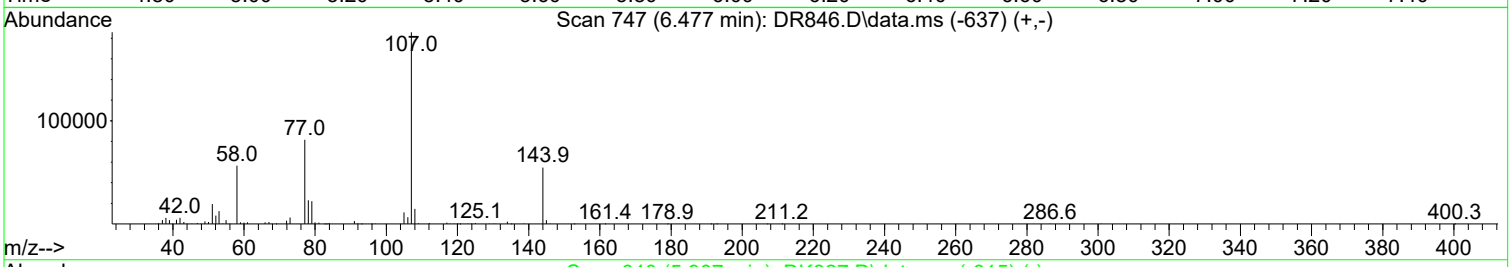
05/01/19

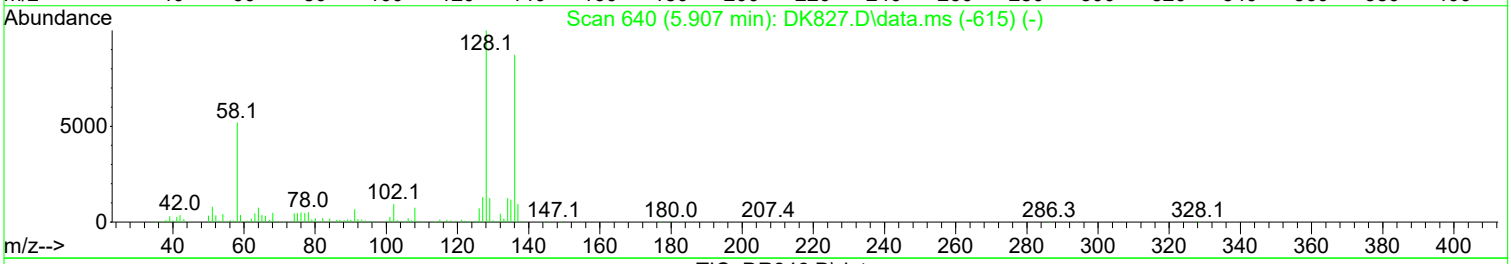
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR846.D
Acq On : 30 Apr 2019 1:33 pm
Operator : JMisiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 01 08:54:07 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR846.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

6.477min (+ 0.516) 113.34 ppm m

response 906641

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	11.47
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

05/01/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR846.D
Acq On : 30 Apr 2019 1:33 pm
Operator : JMisiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 01 08:54:07 2019
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Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
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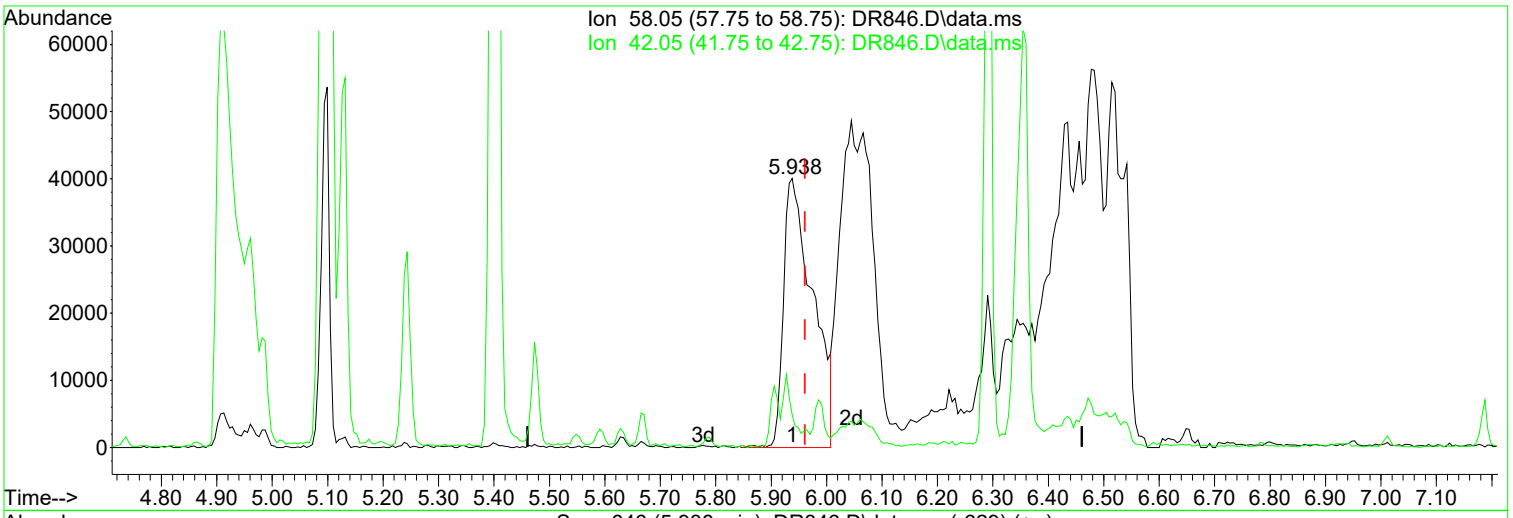

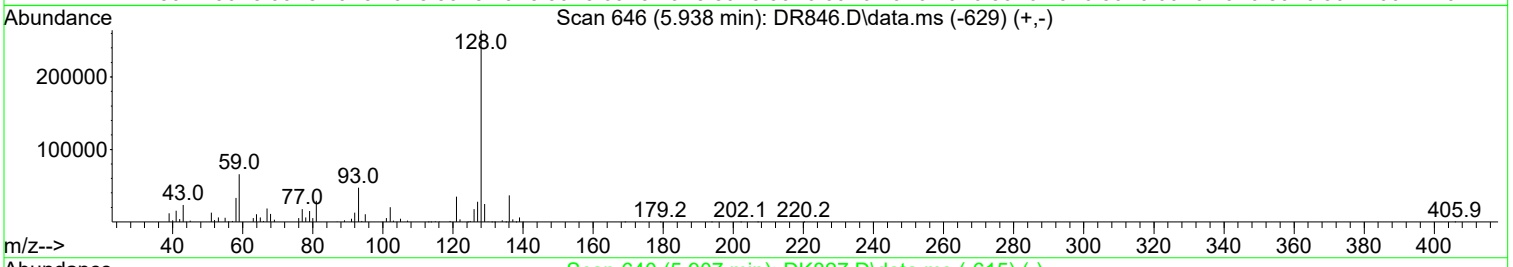

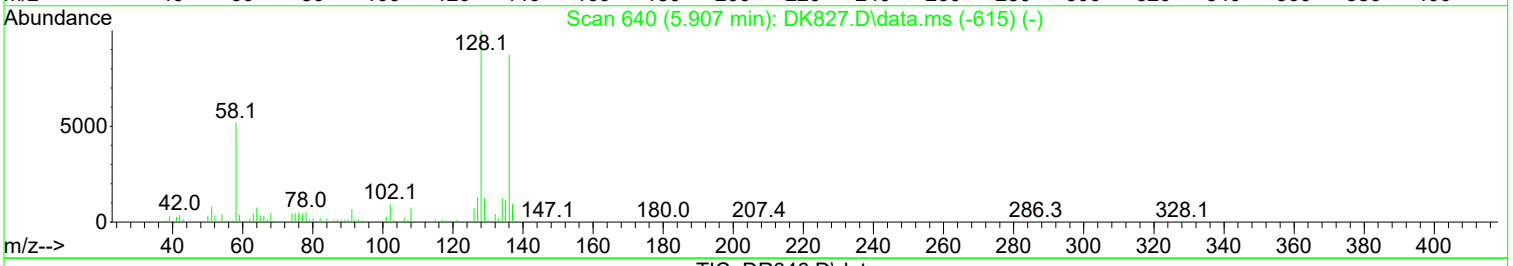

TIC: DR846.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.938min (-0.023) 18.38 ppm

response 146998

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	12.27
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

05/01/19

Quantitation Report (Qedit)

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ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 01 08:54:07 2019
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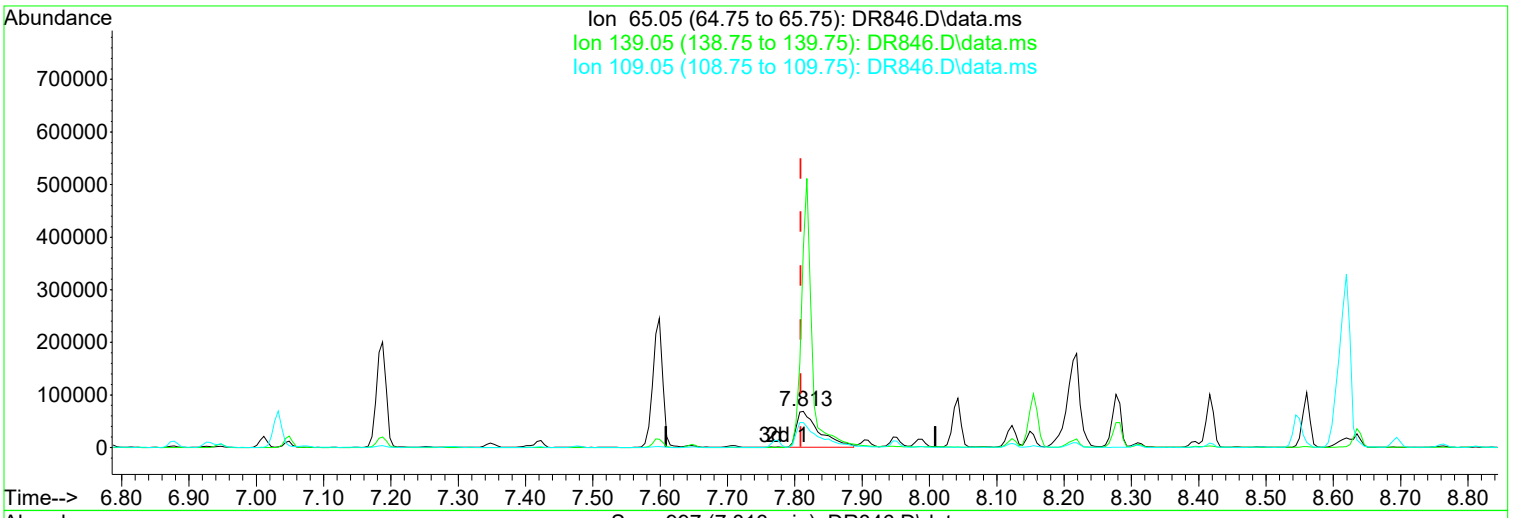
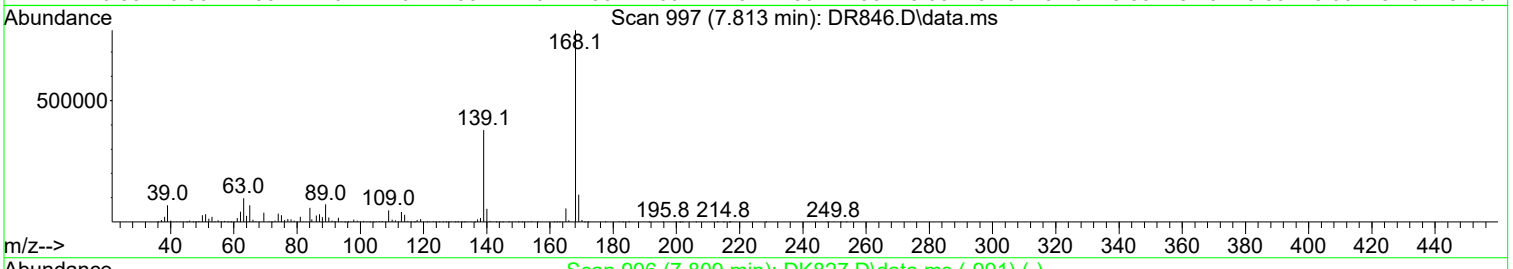
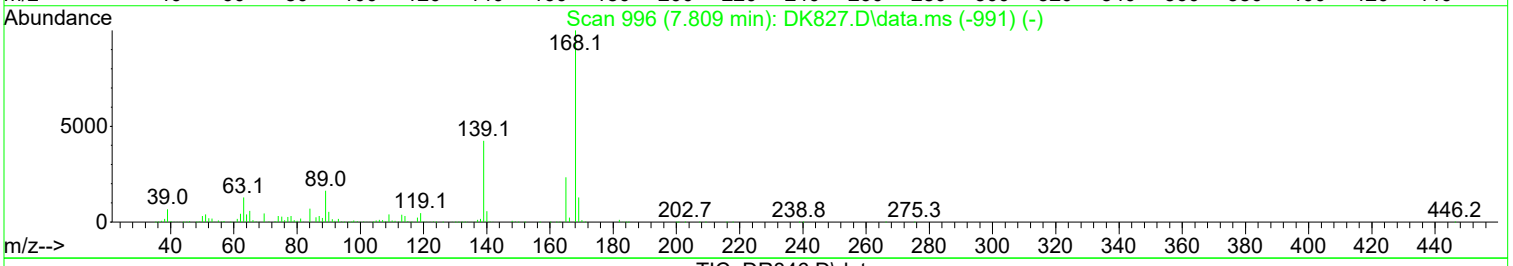
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR846.D\data.ms

(78) 4-Nitrophenol (TMP)

7.813min (+ 0.004) 123.14 ppm m

response 159403

Ion	Exp%	Act%
65.05	100.00	100.00
139.05	423.70	548.70#
109.05	68.90	69.10
0.00	0.00	0.00

Manual Integration:

After

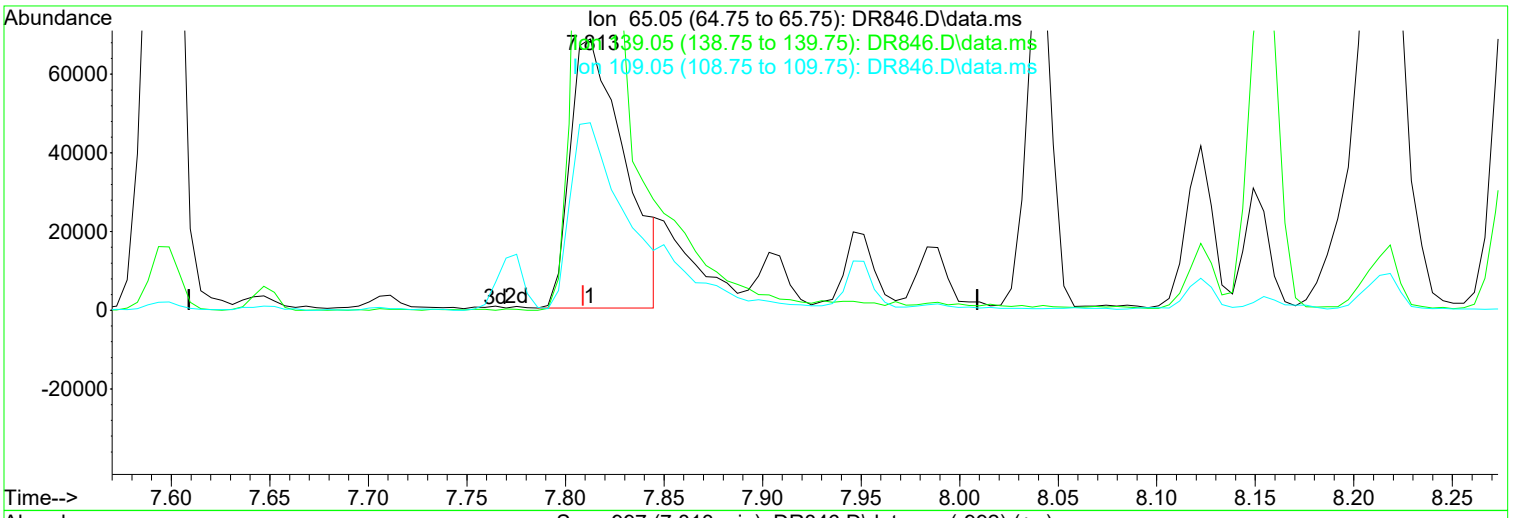
Poor integration.

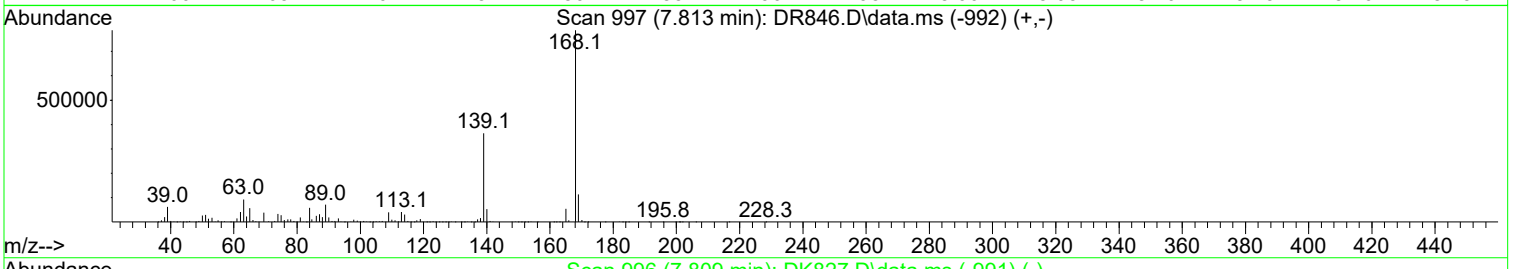
05/01/19

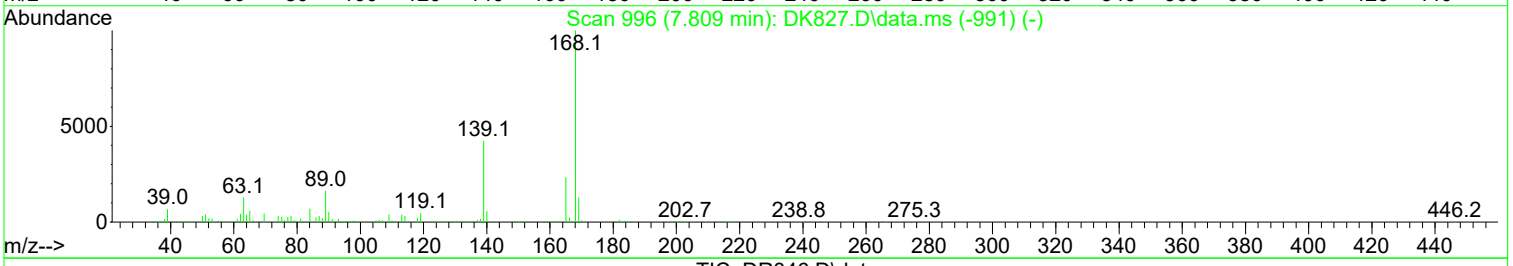
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR846.D
Acq On : 30 Apr 2019 1:33 pm
Operator : JMisiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 01 08:54:07 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR846.D\data.ms

(78) 4-Nitrophenol (TMP)

7.813min (+ 0.004) 101.36 ppm

response 131217

Ion	Exp%	Act%
65.05	100.00	100.00
139.05	423.70	641.26#
109.05	68.90	69.85
0.00	0.00	0.00

Manual Integration:

Before

05/01/19

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR846.D
Acq On : 30 Apr 2019 1:33 pm
Operator : JMisiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 01 08:54:07 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.736	152	108526	40.00	ppm	0.00
33) d8-Naphthalene	5.906	136	421788	40.00	ppm	0.00
57) d10-Acenaphthene	7.615	164	198246	40.00	ppm	0.00
91) d10-Phenanthrene	9.089	188	316717	40.00	ppm	0.00
117) d12-Chrysene	12.358	240	283220	40.00	ppm	0.00
135) d12-Perylene	15.295	264	278222	40.00	ppm	0.00
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.663	112	454937	115.25	ppm	0.00
Spiked Amount 100.000	Range 10 - 70		Recovery = 115.25%#			
12) SURR2,PHENOL-D6	4.426	99	576105	118.79	ppm	0.00
Spiked Amount 100.000	Range 10 - 107		Recovery = 118.79%#			
34) SURR4,NITROBENZENE-D5	5.243	82	458691	107.17	ppm	0.00
Spiked Amount 50.000	Range 31 - 110		Recovery = 214.34%#			
63) SURR5,2-FLUOROBIPHENYL	6.947	172	867102	115.02	ppm	0.00
Spiked Amount 50.000	Range 31 - 118		Recovery = 230.04%#			
88) SURR3,2,4,6-TRIBROMOPH...	8.405	330	97368	119.94	ppm	0.00
Spiked Amount 100.000	Range 35 - 141		Recovery = 119.94%			
124) SURR6,TERPHENYL-D14	10.771	244	783292	117.40	ppm	0.00
Spiked Amount 50.000	Range 10 - 165		Recovery = 234.80%#			
Target Compounds						Qvalue
2) Pyridine	2.610	79	519246	124.653	ppm	99
3) N-Nitrosodimethylamine	2.584	74	317046	125.138	ppm	94
4) 2-Picoline	3.193	93	494192	114.653	ppm	98
5) N-Nitrosomethylamine	3.283	42	202086	115.329	ppm	98
6) Methyl Methansulfonate	3.524	80	234005	119.176	ppm	97
8) N-Nitrosodiethylamine	3.833	102	225841	117.333	ppm	100
9) Ethyl Mathanesulfonate	4.084	79	372160	112.164	ppm	95
10) Benzaldehyde	4.368	106	304075	109.532	ppm	97
11) Aniline	4.458	93	718352	116.063	ppm	99
13) Phenol	4.442	94	621502	117.179	ppm	97
14) bis(2-Clethyl)Ether	4.496	93	406585	110.792	ppm	98
15) Pentachloroethane	4.496	117	169837	114.942	ppm	98
16) 2-Chlorophenol	4.565	128	485467	116.524	ppm	99
17) 1,3-Diclbenzene	4.688	146	505993	116.702	ppm	98
18) 1,4-Dichlorobenzene	4.752	146	513454	115.719	ppm	99
19) 1,2-Diclbenzene	4.886	146	483205	113.976	ppm	98
20) Benzyl Alcohol	4.864	79	346386	122.760	ppm	95
21) 1-Methyl-2-pyrrolidinone	4.907	99	307067	119.072	ppm	96
22) 2,2'-oxybis(1-Chloropr...	4.966	45	395763	112.233	ppm	96
23) 2-Methylphenol	4.987	108	425564	113.840	ppm	98
24) 3+4-Methylphenol	5.115	108	494589	116.933	ppm	99
25) Acetophenone	5.099	105	600464	114.296	ppm	99
26) N-Nitroso-Di-n-propyla...	5.099	70	315367	111.303	ppm	98
27) N-Nitrosopyrrolidine	5.105	100	238538	115.776	ppm	79
28) N-Nitrosomorpholine	5.131	56	225709	111.293	ppm	100
29) o-Toluidine	5.131	106	669441	114.748	ppm	84
30) Hexachloroethane	5.185	117	196802	115.233	ppm	98
31) o,o,o-Triethylphosphor...	5.633	198	208297	117.105	ppm	75
32) Alpha-terpinol	5.927	121	153880	111.026	ppm	97
35) Nitrobenzene	5.260	77	464373	108.033	ppm	98
36) N-Nitrosopiperidine	5.404	42	258156	110.479	ppm	96
37) Isophorone	5.473	82	793167	110.689	ppm	98
38) 2-Nitrophenol	5.548	139	259485	116.662	ppm	97

1st DM 05/01/19
2nd BA 05/01/19

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Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) 2,4-Dimethylphenol	5.591	107	457106	114.119	ppm		98
40) bis(-2-Chloroethoxy)Me...	5.665	93	464343	110.212	ppm		99
41) Benzoic Acid	5.708	105	224678	120.961	ppm		93
42) 2,4-Dichlorophenol	5.788	162	364629	114.930	ppm		99
43) a,a-Dimethylphenethyla...	6.477	58	906641m	113.337	ppm		
44) 1,2,4-Trichlorobenzene	5.847	180	375678	112.305	ppm		99
45) Naphthalene	5.927	128	1274063	109.595	ppm		98
46) 4-Chloroaniline	5.986	127	538310	110.662	ppm		99
47) 2,6-Dichlorophenol	5.991	162	379452	114.373	ppm		99
48) Hexachlorobutadiene	6.029	225	190652	112.484	ppm		98
49) Hexachloropropene	6.002	213	240792	113.702	ppm		99
50) 4-Chloro-3-methylphenol	6.472	107	355598	112.405	ppm	#	53
51) N-N-di-n-butylamine	6.290	84	268229	106.736	ppm		93
52) Caprolactam	6.360	113	133074	105.819	ppm		95
53) p-Phenylenediamine	6.344	80	90086	108.470	ppm		92
54) Safrole	6.504	162	342710	114.848	ppm		96
55) 2-Methylnaphthalene	6.595	142	838193	111.404	ppm		100
56) 1-Methylnaphthalene	6.691	142	777645	110.480	ppm		100
58) Hexachlorocyclopentadiene	6.734	237	177903	120.813	ppm		100
59) 1,2,4,5-Tetrachloroben...	6.755	216	352448	120.794	ppm		99
60) 1,2,3,4-Tetrachloroben...	7.033	216	359338	116.957	ppm		99
61) 2,4,6-Trichlorophenol	6.878	196	229769	124.330	ppm		94
62) 2,4,5-Trichlorophenol	6.931	196	236593	119.029	ppm		98
64) Isosafrole	7.011	104	144765	113.543	ppm		91
65) 1,1'-Biphenyl	7.049	154	1012306	115.268	ppm		99
66) 2-Chloronaphthalene	7.070	162	732044	115.327	ppm		97
67) 2-Nitroaniline	7.188	65	200077	110.269	ppm		98
68) 1,4-Naphthoquinone	7.257	158	232761	116.806	ppm		79
69) m-Dinitrobenzene	7.407	168	151305	121.325	ppm		86
70) Acenaphthylene	7.481	152	1169104	114.990	ppm		100
71) Dimethyl phthalate	7.348	163	822164	110.784	ppm		99
72) 2,6-Dinitrotoluene	7.423	165	192835	114.453	ppm		91
73) Acenaphthene	7.647	153	827884	117.055	ppm		99
74) 3-Nitroaniline	7.599	138	225035	116.187	ppm		97
75) 2,4-Dinitrophenol	7.711	184	89549	119.475	ppm		96
76) Dibenzofuran	7.818	168	1007846	115.398	ppm		98
77) 2,4-Dinitrotoluene	7.823	165	268846	120.821	ppm		89
78) 4-Nitrophenol	7.813	65	159403m	123.135	ppm		
79) Pentachlorobenzene	7.775	250	279097	119.358	ppm		98
80) 1-Napthylamine	7.909	143	518022	112.629	ppm		100
81) 2-Napthylamine	7.989	143	640752	109.331	ppm		98
82) 2,3,4,6-Tetrachlorophenol	7.951	232	170449	125.491	ppm		97
83) Fluorene	8.154	166	796933	110.980	ppm		99
84) 4-Chlorophenyl-phenyle...	8.149	204	330902	114.223	ppm		98
85) Diethylphthalate	8.042	149	836225	113.777	ppm		98
86) 4-Nitroaniline	8.218	138	225995	118.295	ppm		97
87) 5-Nitro-o-toluidine	8.192	152	256093	118.081	ppm		98
89) Sulfotepp	8.421	322	106798	116.427	ppm		96
90) Octachlorocyclopentene	8.395	307	112540	120.519	ppm		96
92) Thionazin	8.122	107	134270	108.059	ppm		98
93) 4,6-Dinitro-2-methylph...	8.229	198	152607	125.000	ppm		96
94) Diphenylamine	8.283	169	1247342	222.873	ppm		98
95) 1,2 Diphenylhydrazine	8.309	77	731923	103.620	ppm		98
96) N-Nitrosodiphenylamine	8.283	169	1247342	222.873	ppm		98
97) 1,3,5-Trinirobenzene	8.608	74	120895	119.684	ppm		96
98) Diallate	8.544	86	297222	104.118	ppm		93

1st DM 05/01/19
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Response via : Initial Calibration

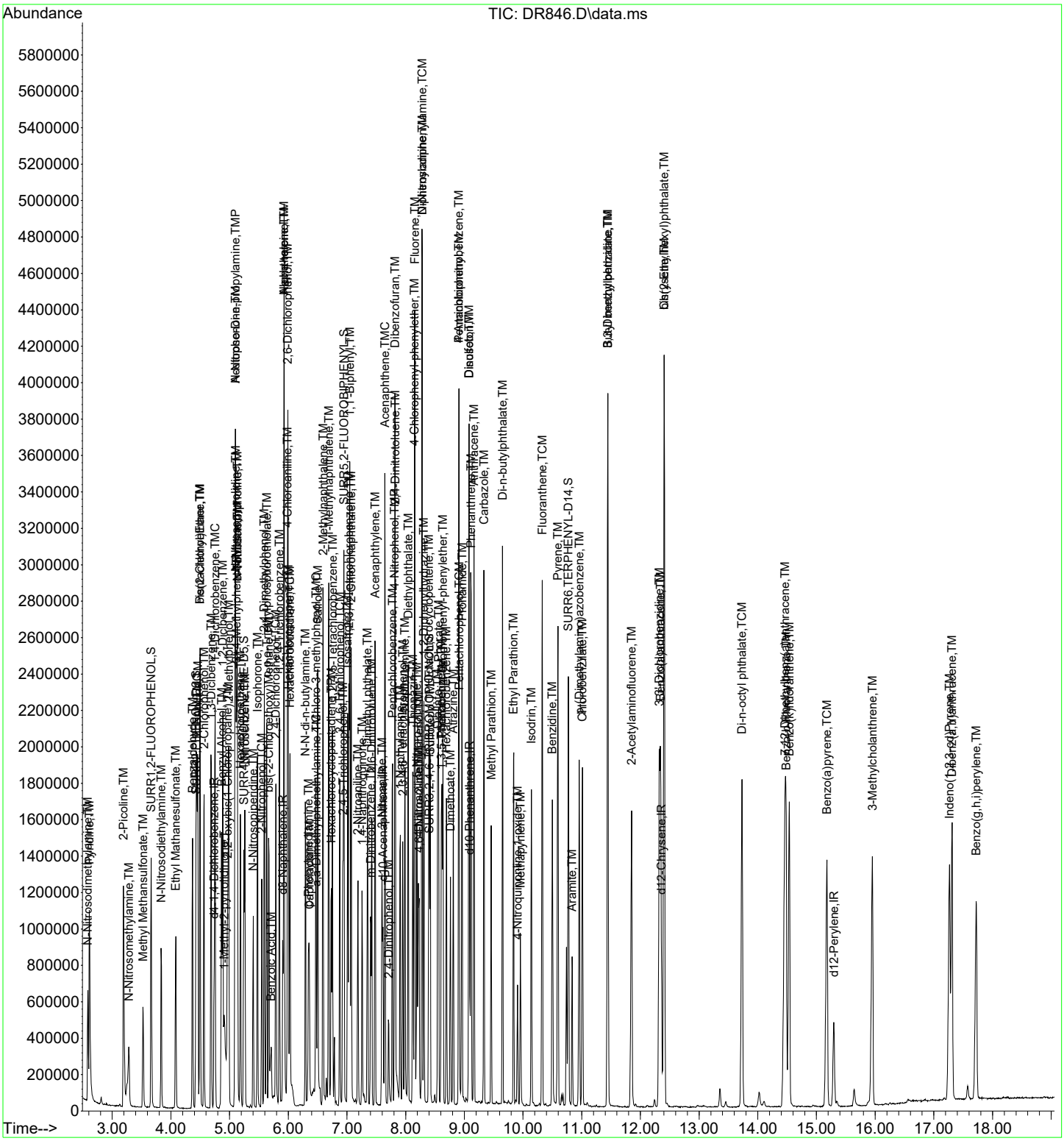
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) Phorate	8.560	121	156240	106.654	ppm	97
100) Phenacetin	8.619	108	422963	114.607	ppm	99
101) 4-Bromophenyl-phenylether	8.635	248	185533	112.033	ppm	95
102) Hexachlorobenzene	8.694	284	207922	111.645	ppm	96
103) Dimethoate	8.763	87	239820	99.101	ppm	95
104) Atrazine	8.811	215	97158	107.289	ppm	98
105) Pentachlorophenol	8.913	266	87474	116.357	ppm	94
106) 4-Aminobiphenyl	8.907	169	647822	113.915	ppm	99
107) Pentachloronitrobenzene	8.907	237	85992	124.987	ppm	98
108) Pronamide	8.961	173	388884	120.093	ppm	98
109) Dinoseb	9.078	211	201217	125.222	ppm	97
110) Disulfoton	9.078	88	365077	99.440	ppm	97
111) Phenanthrene	9.116	178	1121387	111.958	ppm	100
112) Anthracene	9.164	178	1127947	113.338	ppm	99
113) Carbazole	9.335	167	1111057	113.654	ppm	99
114) Di-n-butylphthalate	9.650	149	1456330	115.256	ppm	99
115) 4-Nitroquinonline-1-oxide	9.906	190	75875	128.069	ppm	95
116) Fluoranthene	10.328	202	1210296	118.030	ppm	98
118) Methyl Parathion	9.458	109	248242	110.558	ppm	96
119) Ethyl Parathion	9.837	97	191236	113.995	ppm	96
120) Methapyrilene	9.954	58	264413	108.346	ppm	98
121) Isodrin	10.141	193	121906	117.724	ppm	94
122) Benzidine	10.499	184	780445	117.437	ppm	100
123) Pyrene	10.595	202	1249632	120.155	ppm	100
125) Aramite	10.836	185	164803m	115.631	ppm	
126) p-(Dimethylamino)azobe...	10.958	120	367992	119.104	ppm	93
127) Chlorobenzilate	11.012	139	428347	118.673	ppm	95
128) Butyl benzyl phthalate	11.444	149	655211	113.566	ppm	96
129) 3,3-Dimethylbenzidine	11.444	212	750861	118.697	ppm	99
130) 2-Acetylaminofluorene	11.850	181	551421	119.674	ppm	99
131) 3,3'-Dichlorobenzidine	12.320	252	434778	115.412	ppm	99
132) Benzo(a)anthracene	12.342	228	1088913	113.229	ppm	100
133) Chrysene	12.406	228	1002727	113.339	ppm	99
134) bis(2-Ethylhexyl)phtha...	12.406	149	910566	114.677	ppm	98
136) Di-n-octyl phthalate	13.730	149	1579048	119.589	ppm	100
137) 7,12-Dimethylbenz(a)an...	14.462	256	497457	118.274	ppm	96
138) Benzo(b)Fluoranthene	14.484	252	1096951	118.479	ppm	99
139) Benzo(k)fluoranthene	14.537	252	1027467	117.170	ppm	100
140) Benzo(a)pyrene	15.178	252	962240	120.849	ppm	99
141) 3-Methylcholanthrene	15.952	268	561138	120.330	ppm	98
142) Indeno(1,2,3-cd)Pyrene	17.266	276	891352	114.151	ppm	99
143) Dibenz(a,h)anthracene	17.309	278	935919	114.394	ppm	98
144) Benzo(g,h,i)perylene	17.720	276	757379	112.539	ppm	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st JM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR846.D
Acq On : 30 Apr 2019 1:33 pm
Operator : JMisiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 12 Sample Multiplier: 1

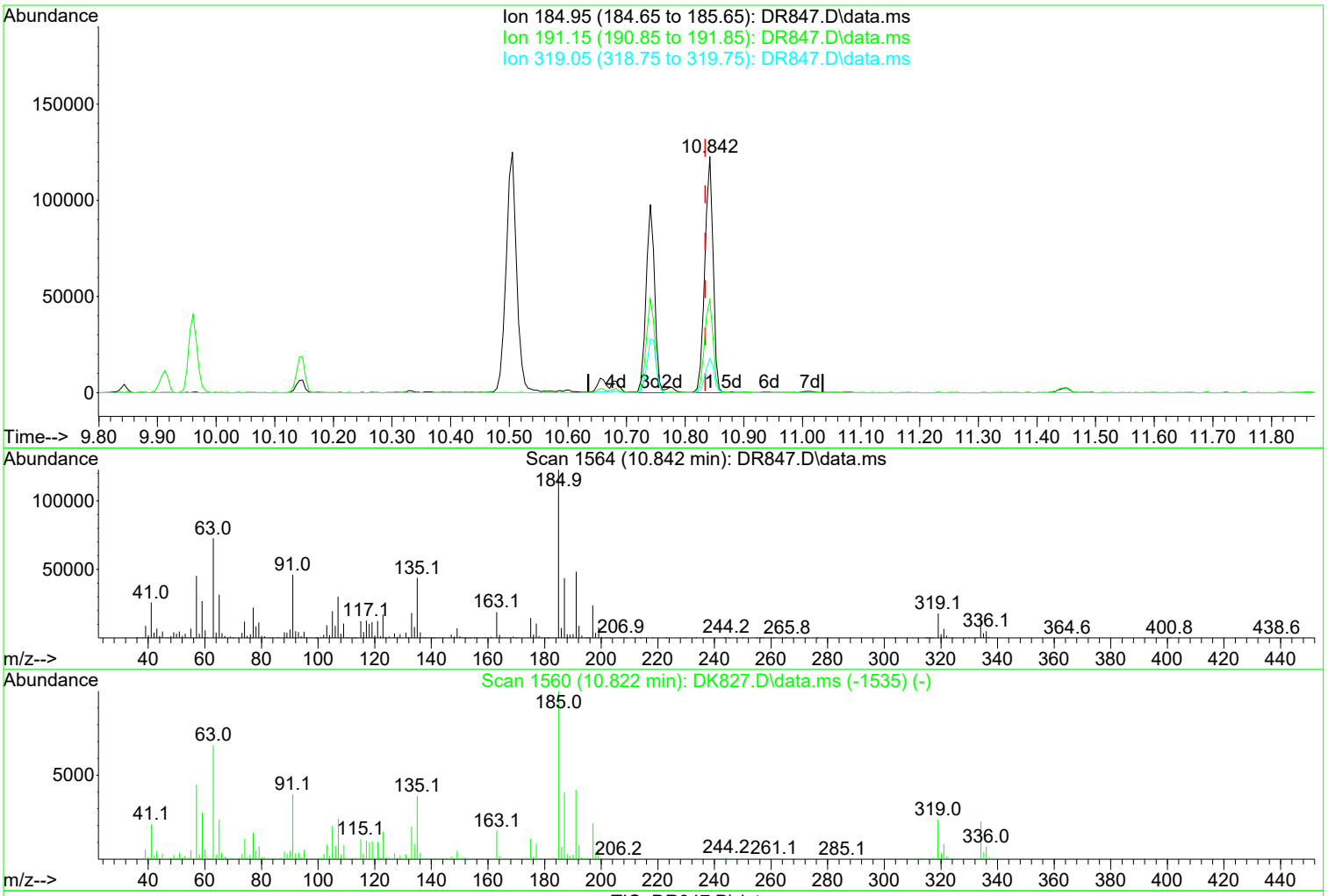
Quant Time: May 01 08:54:07 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR847.D
Acq On : 30 Apr 2019 2:03 pm
Operator : JMisiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 01 08:54:12 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR847.D\data.ms

(125) Aramite (TM)

10.842min (+ 0.007) 149.37 ppm m

response 222547

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	39.42
319.05	16.80	14.54
0.00	0.00	0.00

Manual Integration:

After

Split Peak.

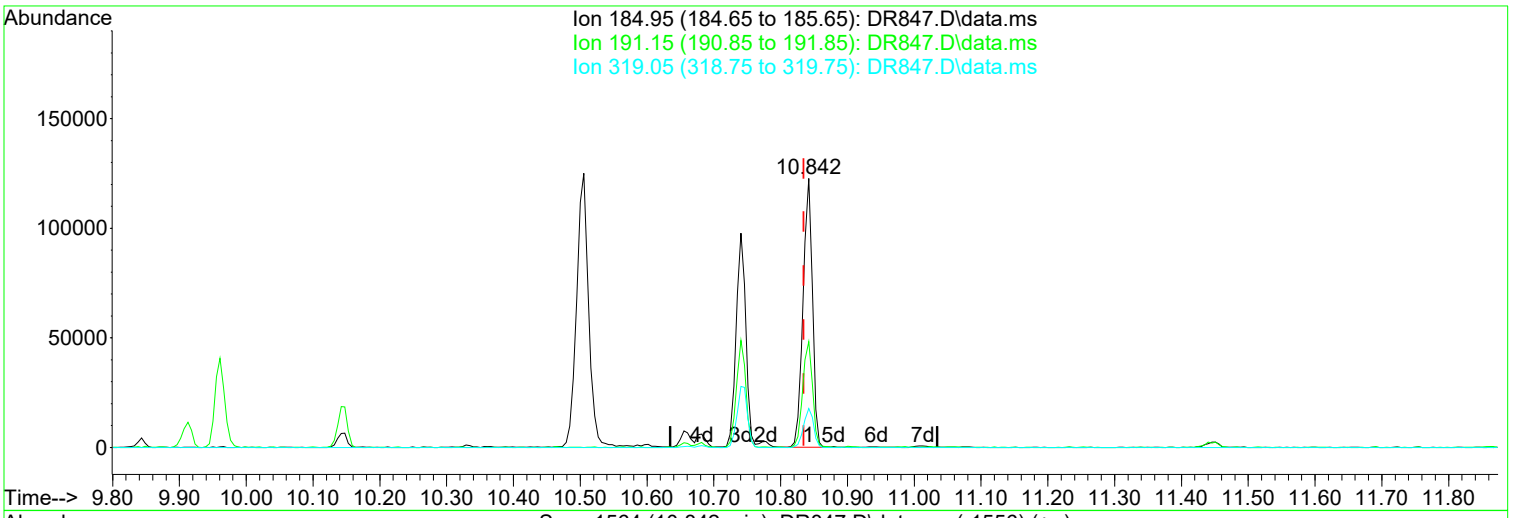
05/01/19

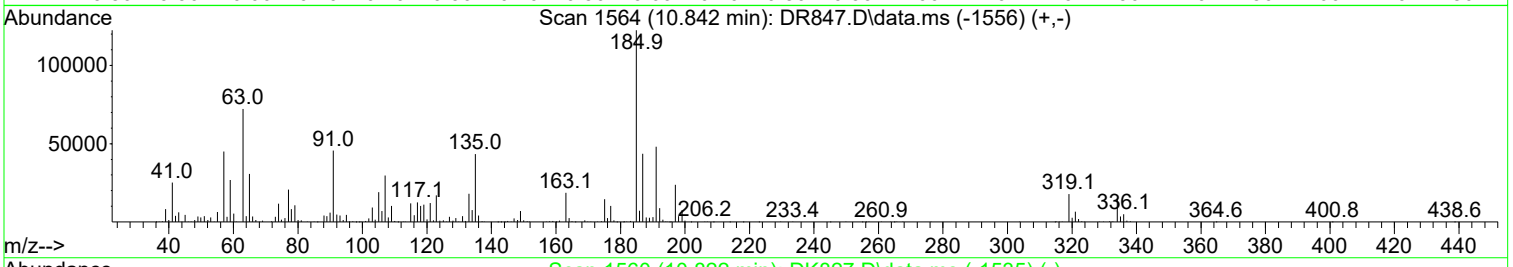
1st DM 05/01/19
2nd BA 05/01/19

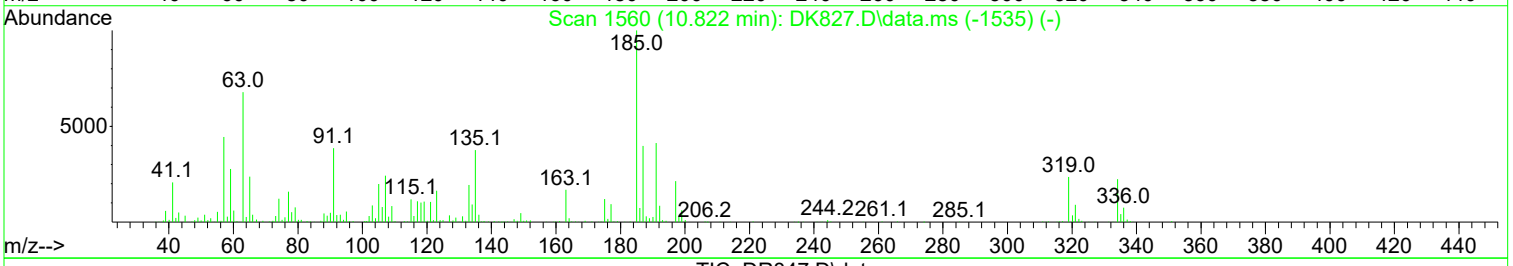
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR847.D
Acq On : 30 Apr 2019 2:03 pm
Operator : JMisiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 01 08:54:12 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR847.D\data.ms

(125) Aramite (TM)

10.842min (+ 0.007) 79.72 ppm

response 118774

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	39.23
319.05	16.80	14.55
0.00	0.00	0.00

Manual Integration:

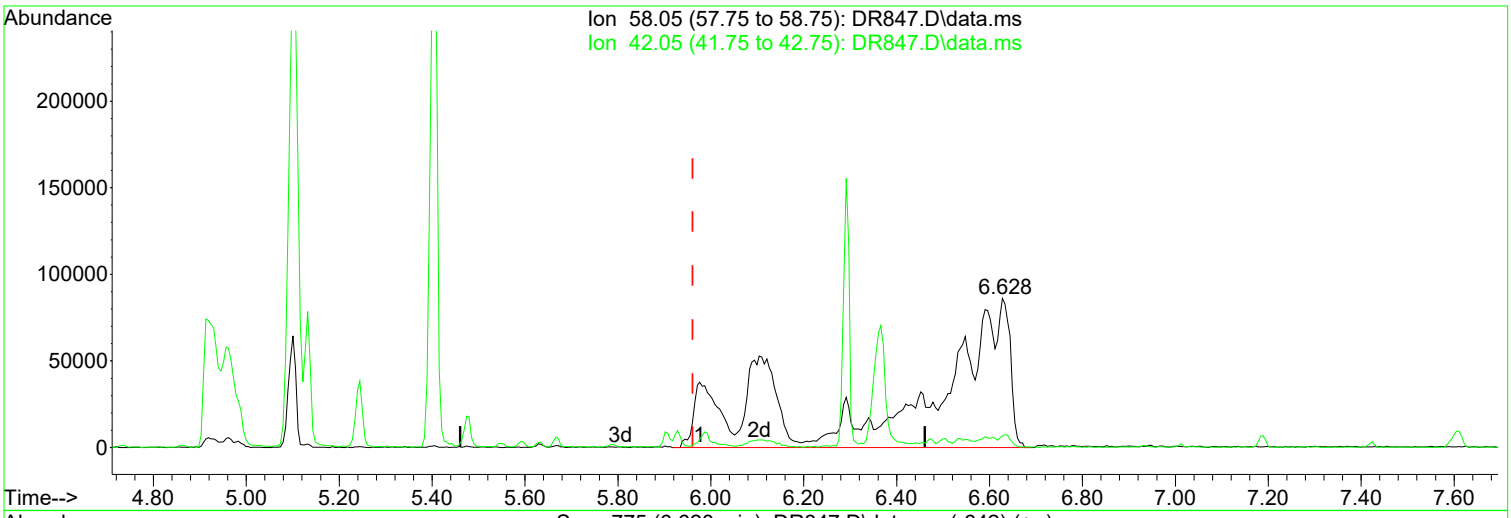
Before

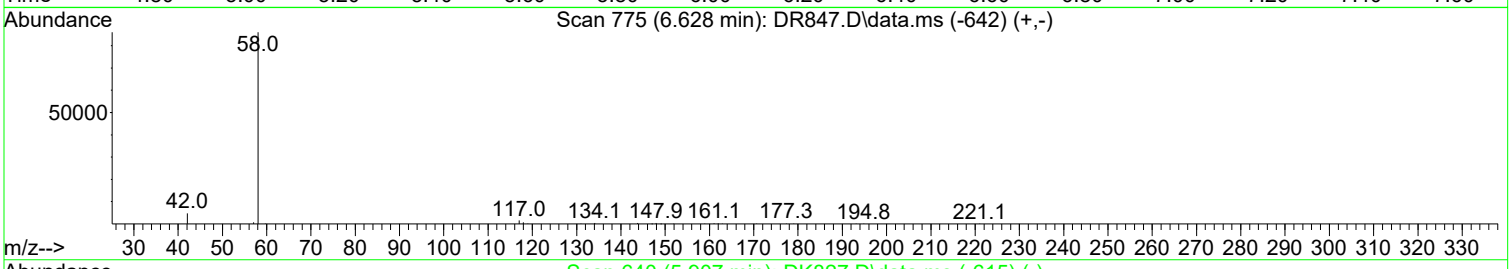
05/01/19

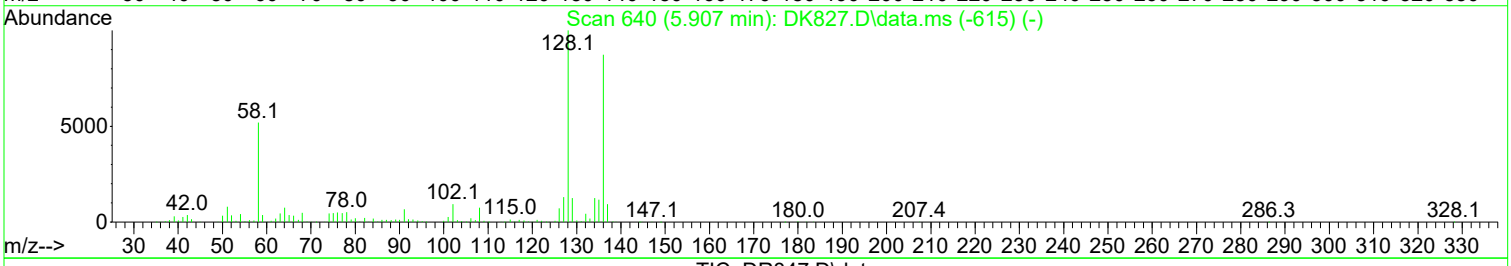
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR847.D
Acq On : 30 Apr 2019 2:03 pm
Operator : JMisiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 01 08:54:12 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR847.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

6.628min (+ 0.667) 158.32 ppm m

response 1186973

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	8.03
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

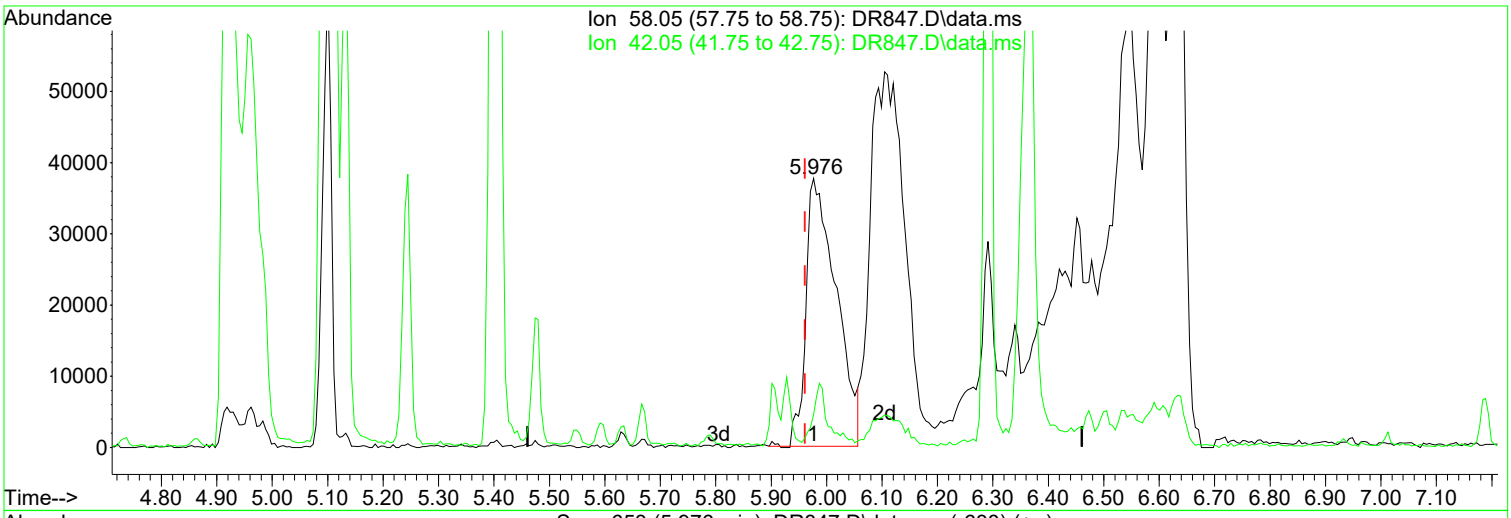
Poor integration.

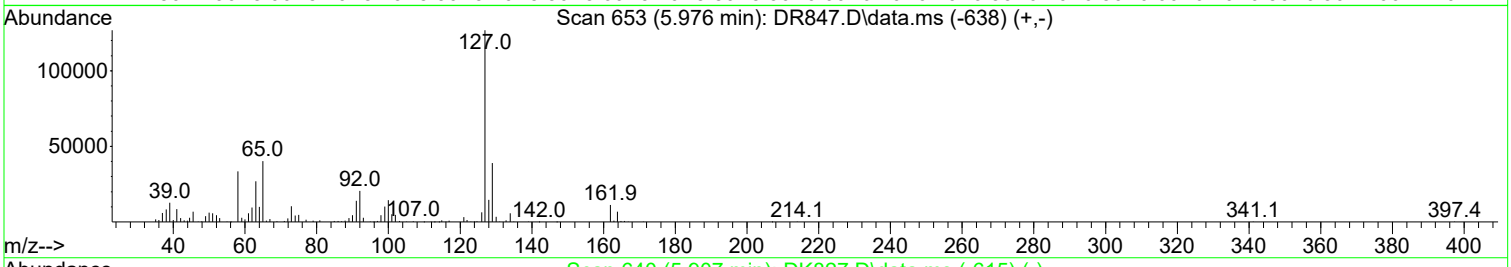
05/01/19

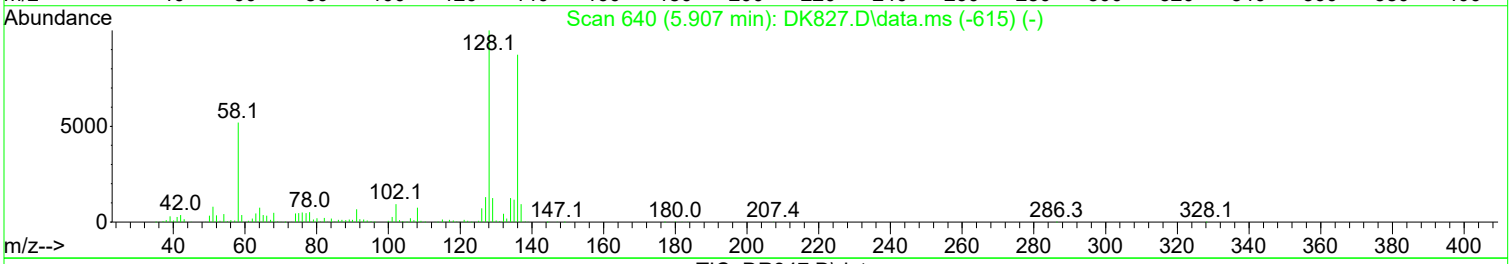
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR847.D
Acq On : 30 Apr 2019 2:03 pm
Operator : JMisiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 01 08:54:12 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration







TIC: DR847.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.976min (+ 0.015) 19.11 ppm

response 143240

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	7.83
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

05/01/19

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR847.D
Acq On : 30 Apr 2019 2:03 pm
Operator : JMisiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 01 08:54:12 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.732	152	107426	40.00	ppm		0.00
33) d8-Naphthalene	5.907	136	395308	40.00	ppm		0.00
57) d10-Acenaphthene	7.616	164	197878	40.00	ppm		0.00
91) d10-Phenanthrene	9.090	188	322947	40.00	ppm		0.00
117) d12-Chrysene	12.364	240	296067	40.00	ppm		0.00
135) d12-Perylene	15.302	264	332009	40.00	ppm		0.00
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.664	112	608061	155.62	ppm		0.00
Spiked Amount 100.000	Range 10 - 70		Recovery = 155.62%#				
12) SURR2,PHENOL-D6	4.427	99	758626	158.03	ppm		0.00
Spiked Amount 100.000	Range 10 - 107		Recovery = 158.03%#				
34) SURR4,NITROBENZENE-D5	5.245	82	617070	153.83	ppm		0.00
Spiked Amount 50.000	Range 31 - 110		Recovery = 307.66%#				
63) SURR5,2-FLUOROBIPHENYL	6.948	172	1176254	156.32	ppm		0.00
Spiked Amount 50.000	Range 31 - 118		Recovery = 312.64%#				
88) SURR3,2,4,6-TRIBROMOPH...	8.406	330	127745	157.65	ppm		0.00
Spiked Amount 100.000	Range 35 - 141		Recovery = 157.65%#				
124) SURR6,TERPHENYL-D14	10.773	244	1061681	152.22	ppm		0.00
Spiked Amount 50.000	Range 10 - 165		Recovery = 304.44%#				
Target Compounds							Qvalue
2) Pyridine	2.606	79	670462	162.603	ppm		99
3) N-Nitrosodimethylamine	2.585	74	406560	162.112	ppm		96
4) 2-Picoline	3.188	93	667773	156.511	ppm		99
5) N-Nitrosomethylamine	3.279	42	269211	155.209	ppm		90
6) Methyl Methansulfonate	3.525	80	310863	159.940	ppm		97
8) N-Nitrosodiethylamine	3.834	102	303931	159.520	ppm		99
9) Ethyl Mathanesulfonate	4.086	79	493138	150.146	ppm		95
11) Aniline	4.454	93	961565	156.950	ppm		92
13) Phenol	4.438	94	833137	158.690	ppm		98
14) bis(2-Clethyl)Ether	4.497	93	556441	153.179	ppm		98
15) Pentachloroethane	4.491	117	230404	157.529	ppm		95
16) 2-Chlorophenol	4.561	128	656827	159.269	ppm		98
17) 1,3-Diclbenzene	4.684	146	676703	157.672	ppm		97
18) 1,4-Dichlorobenzene	4.748	146	692298	157.623	ppm		98
19) 1,2-Diclbenzene	4.881	146	655103	156.105	ppm		99
20) Benzyl Alcohol	4.865	79	463211	165.844	ppm		98
21) 1-Methyl-2-pyrrolidinone	4.919	99	409667	160.484	ppm		96
22) 2,2'-oxybis(1-Chloropr...	4.961	45	514904	147.514	ppm		90
23) 2-Methylphenol	4.994	108	577204	155.985	ppm		96
24) 3+4-Methylphenol	5.122	108	657927	157.143	ppm	#	72
25) Acetophenone	5.095	105	794001	152.683	ppm		98
26) N-Nitroso-Di-n-propyla...	5.100	70	422815	150.753	ppm		92
27) N-Nitrosopyrrolidine	5.111	100	317363	155.611	ppm		64
28) N-Nitrosomorpholine	5.132	56	295820	147.357	ppm		99
29) o-Toluidine	5.132	106	867984	150.303	ppm		65
30) Hexachloroethane	5.186	117	260918	154.339	ppm		96
31) o,o,o-Triethylphosphor...	5.634	198	280747	159.453	ppm		92
32) Alpha-terpinol	5.928	121	210815	153.662	ppm		97
35) Nitrobenzene	5.261	77	619095	153.675	ppm		96
36) N-Nitrosopiperidine	5.405	42	338639	154.630	ppm		95
37) Isophorone	5.480	82	1062263	158.172	ppm		98
38) 2-Nitrophenol	5.549	139	343400	164.732	ppm		97
39) 2,4-Dimethylphenol	5.592	107	611374	162.856	ppm		99

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR847.D
Acq On : 30 Apr 2019 2:03 pm
Operator : JMisiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 01 08:54:12 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40) bis(-2-Chloroethoxy)Me...	5.666	93	622768	157.716	ppm		98
41) Benzoic Acid	5.715	105	280167	157.176	ppm		94
42) 2,4-Dichlorophenol	5.789	162	495497	166.641	ppm		99
43) a,a-Dimethylphenethyla...	6.628	58	1186973m	158.320	ppm		
44) 1,2,4-Trichlorobenzene	5.848	180	506173	161.451	ppm		98
45) Naphthalene	5.928	128	1680600	154.248	ppm		99
46) 4-Chloroaniline	5.987	127	734901	161.196	ppm		99
47) 2,6-Dichlorophenol	5.992	162	504703	162.316	ppm		98
48) Hexachlorobutadiene	6.030	225	257216	161.922	ppm		100
49) Hexachloropropene	6.003	213	317266	159.848	ppm		100
50) 4-Chloro-3-methylphenol	6.473	107	478302	161.319	ppm	#	66
51) N-N-di-n-butylamine	6.291	84	359096	152.466	ppm		95
52) Caprolactam	6.366	113	183951	156.074	ppm		96
53) p-Phenylenediamine	6.345	80	117252	150.637	ppm		88
54) Safrole	6.505	162	466582	166.833	ppm		95
55) 2-Methylnaphthalene	6.590	142	1123252	159.291	ppm		98
56) 1-Methylnaphthalene	6.687	142	1043009	158.106	ppm		98
58) Hexachlorocyclopentadiene	6.729	237	242302	158.248	ppm		100
59) 1,2,4,5-Tetrachloroben...	6.751	216	471103	161.760	ppm		98
60) 1,2,3,4-Tetrachloroben...	7.034	216	487614	159.004	ppm		99
61) 2,4,6-Trichlorophenol	6.879	196	309346	167.701	ppm		96
62) 2,4,5-Trichlorophenol	6.932	196	319928	161.253	ppm		97
64) Isosafrole	7.012	104	195351	153.504	ppm		98
65) 1,1'-Biphenyl	7.050	154	1375291	156.891	ppm		99
66) 2-Chloronaphthalene	7.071	162	987748	155.900	ppm		97
67) 2-Nitroaniline	7.189	65	268685	148.357	ppm		98
68) 1,4-Naphthoquinone	7.258	158	311492	156.606	ppm		83
69) m-Dinitrobenzene	7.408	168	207668	166.830	ppm		93
70) Acenaphthylene	7.477	152	1594319	157.104	ppm		98
71) Dimethyl phthalate	7.354	163	1137321	153.536	ppm		99
72) 2,6-Dinitrotoluene	7.424	165	269608	160.318	ppm		99
73) Acenaphthene	7.648	153	1109361	157.145	ppm		98
74) 3-Nitroaniline	7.600	138	312111	161.444	ppm		99
75) 2,4-Dinitrophenol	7.712	184	133514	155.829	ppm		98
76) Dibenzofuran	7.819	168	1321531	151.596	ppm		99
77) 2,4-Dinitrotoluene	7.830	165	369292	166.271	ppm		81
78) 4-Nitrophenol	7.814	65	221767	171.628	ppm	#	49
79) Pentachlorobenzene	7.776	250	364090	155.995	ppm		99
80) 1-Napthylamine	7.910	143	722862	157.458	ppm		100
81) 2-Napthylamine	7.990	143	917898	156.912	ppm		97
82) 2,3,4,6-Tetrachlorophenol	7.952	232	240530	177.417	ppm		98
83) Fluorene	8.161	166	1087998	151.795	ppm		98
84) 4-Chlorophenyl-phenyle...	8.150	204	437923	151.446	ppm		97
85) Diethylphthalate	8.043	149	1140642	155.485	ppm		99
86) 4-Nitroaniline	8.225	138	317070	166.276	ppm		95
87) 5-Nitro-o-toluidine	8.198	152	355533	164.237	ppm		94
89) Sulfotepp	8.422	322	140492	153.444	ppm		97
90) Octachlorocyclopentene	8.396	307	145361	155.957	ppm		97
92) Thionazin	8.123	107	184713	145.788	ppm		99
93) 4,6-Dinitro-2-methylph...	8.236	198	215491	173.103	ppm		99
94) Diphenylamine	8.284	169	1684588	295.193	ppm		98
95) 1,2 Diphenylhydrazine	8.310	77	1002115	139.135	ppm		98
96) N-Nitrosodiphenylamine	8.284	169	1684588	295.193	ppm		98
97) 1,3,5-Trinirobenzene	8.620	74	193891	188.245	ppm		93
98) Diallate	8.551	86	406088	139.510	ppm		96
99) Phorate	8.561	121	218376	146.194	ppm		98

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR847.D
Acq On : 30 Apr 2019 2:03 pm
Operator : JMisiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 01 08:54:12 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

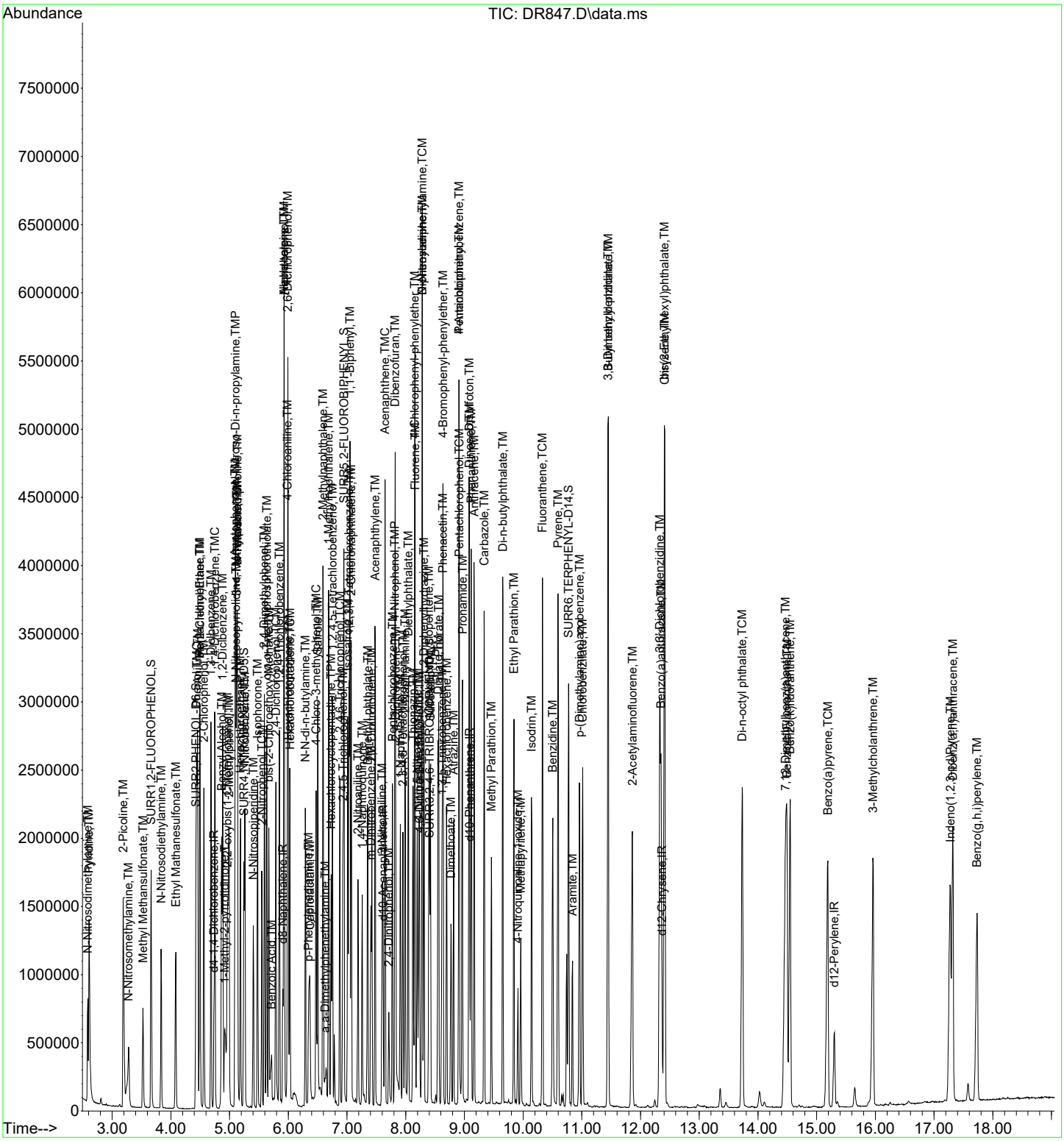
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
100) Phenacetin	8.631	108	571616	151.898	ppm	99
101) 4-Bromophenyl-phenylether	8.636	248	245345	145.292	ppm	93
102) Hexachlorobenzene	8.700	284	281616	148.299	ppm	95
103) Dimethoate	8.770	87	308405	124.984	ppm	96
104) Atrazine	8.818	215	126712	137.226	ppm	97
105) Pentachlorophenol	8.914	266	134956	160.028	ppm	97
106) 4-Aminobiphenyl	8.909	169	885545	152.713	ppm	99
107) Pentachloronitrobenzene	8.909	237	113391	161.631	ppm	99
108) Pronamide	8.967	173	529947	160.498	ppm	100
109) Dinoseb	9.085	211	277016	169.068	ppm	98
110) Disulfoton	9.079	88	502747	134.298	ppm	97
111) Phenanthrene	9.117	178	1530427	149.849	ppm	98
112) Anthracene	9.165	178	1544001	152.151	ppm	99
113) Carbazole	9.336	167	1530842	153.575	ppm	99
114) Di-n-butylphthalate	9.656	149	1974061	153.216	ppm	100
115) 4-Nitroquinonline-1-oxide	9.913	190	108077	178.904	ppm	95
116) Fluoranthene	10.329	202	1667235	159.454	ppm	99
118) Methyl Parathion	9.459	109	317097	135.095	ppm	96
119) Ethyl Parathion	9.843	97	263186	150.076	ppm	96
120) Methapyrilene	9.961	58	356345	139.680	ppm	94
121) Isodrin	10.142	193	165110	152.527	ppm	94
122) Benzidine	10.505	184	1080592	155.546	ppm	99
123) Pyrene	10.596	202	1701991	156.549	ppm	99
125) Aramite	10.842	185	222547m	149.371	ppm	
126) p-(Dimethylamino)azobe...	10.959	120	499434	154.632	ppm	95
127) Chlorobenzilate	11.013	139	582455	154.366	ppm	96
128) Butyl benzyl phthalate	11.451	149	898063	148.905	ppm	99
129) 3,3-Dimethylbenzidine	11.445	212	1034276	156.405	ppm	97
130) 2-Acetylaminofluorene	11.862	181	773267	160.539	ppm	98
131) 3,3'-Dichlorobenzidine	12.327	252	604354	153.465	ppm	99
132) Benzo(a)anthracene	12.348	228	1497140	148.922	ppm	100
133) Chrysene	12.412	228	1363209	147.398	ppm	100
134) bis(2-Ethylhexyl)phtha...	12.407	149	1243376	149.796	ppm	99
136) Di-n-octyl phthalate	13.731	149	2216045	140.643	ppm	99
137) 7,12-Dimethylbenz(a)an...	14.469	256	691326	137.739	ppm	97
138) Benzo(b)Fluoranthene	14.495	252	1533044	138.755	ppm	100
139) Benzo(k)fluoranthene	14.549	252	1400676	133.852	ppm	99
140) Benzo(a)pyrene	15.190	252	1329155	139.887	ppm	99
141) 3-Methylcholanthrene	15.959	268	753242	135.356	ppm	99
142) Indeno(1,2,3-cd)Pyrene	17.278	276	1253236	134.494	ppm	98
143) Dibenz(a,h)anthracene	17.321	278	1275460	130.639	ppm	99
144) Benzo(g,h,i)perylene	17.732	276	1027139	127.897	ppm	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st JM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR847.D
Acq On : 30 Apr 2019 2:03 pm
Operator : JMisiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 13 Sample Multiplier: 1

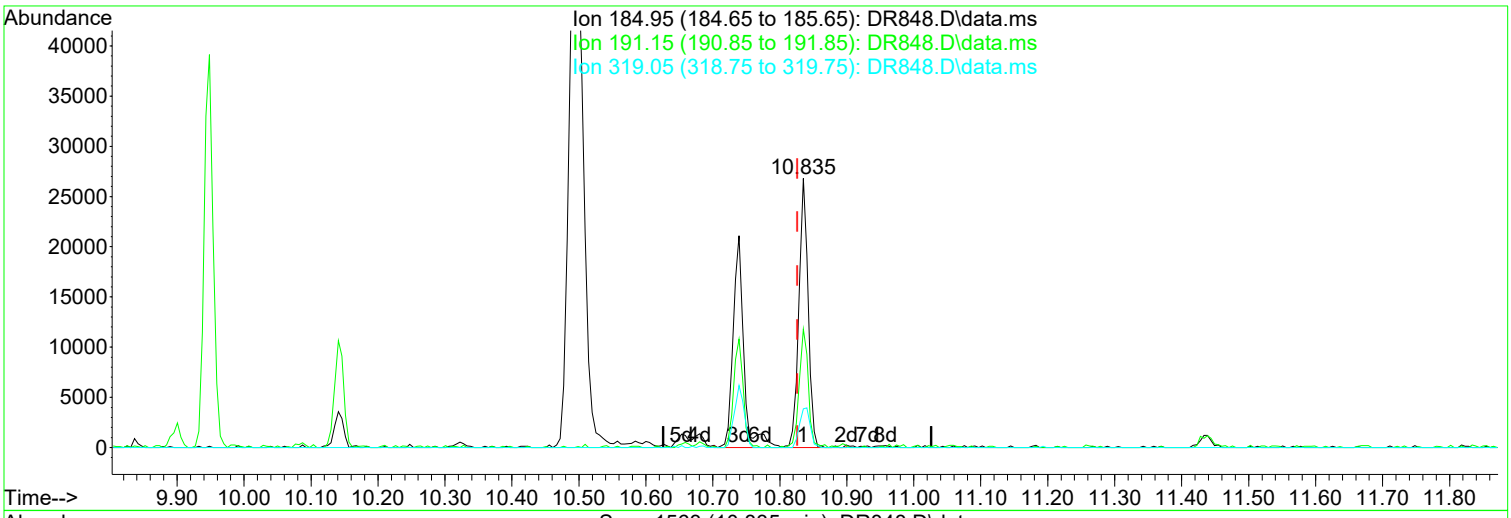
Quant Time: May 01 08:54:12 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

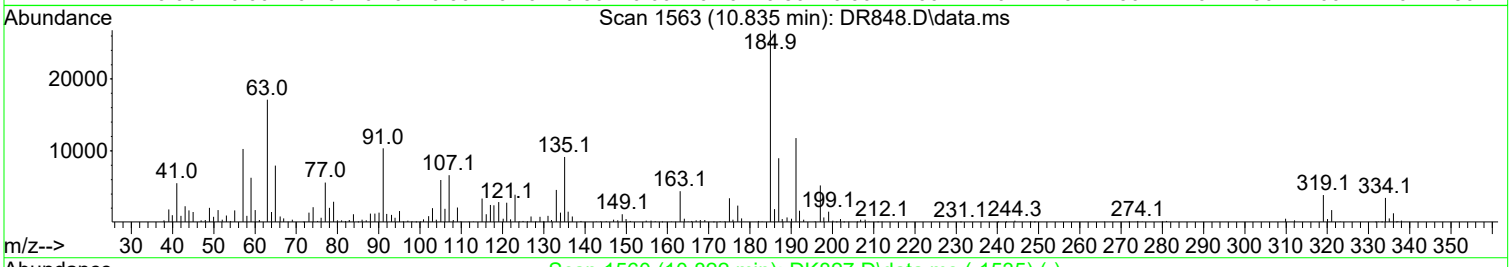


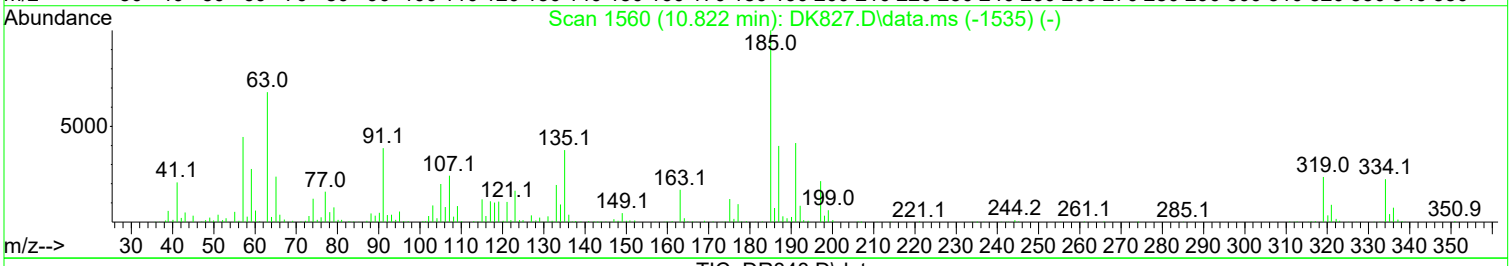
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR848.D
Acq On : 30 Apr 2019 2:39 pm
Operator : JMisiurewicz
Sample : ICV
Misc : Initial Calibration 8270/625
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 01 09:43:24 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration







TIC: DR848.D\data.ms

(125) Aramite (TM)

10.835min (+ 0.009) 34.50 ppm m

response 49320

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.10	43.96
319.05	14.30	14.34
0.00	0.00	0.00

Manual Integration:

After

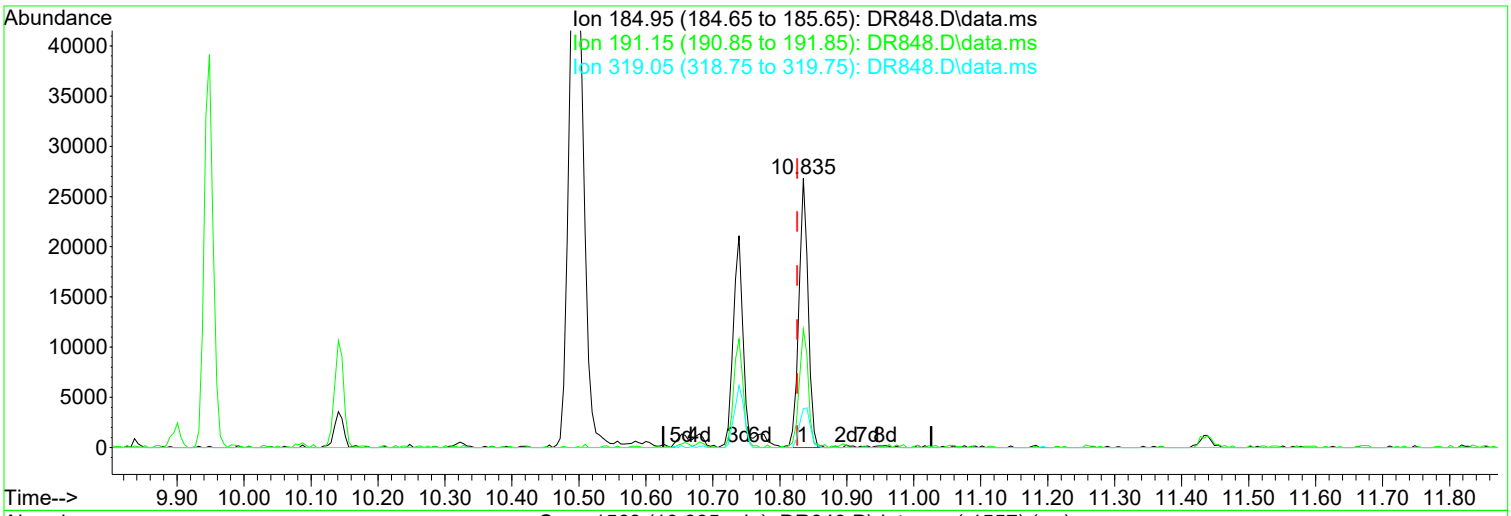
Split Peak.

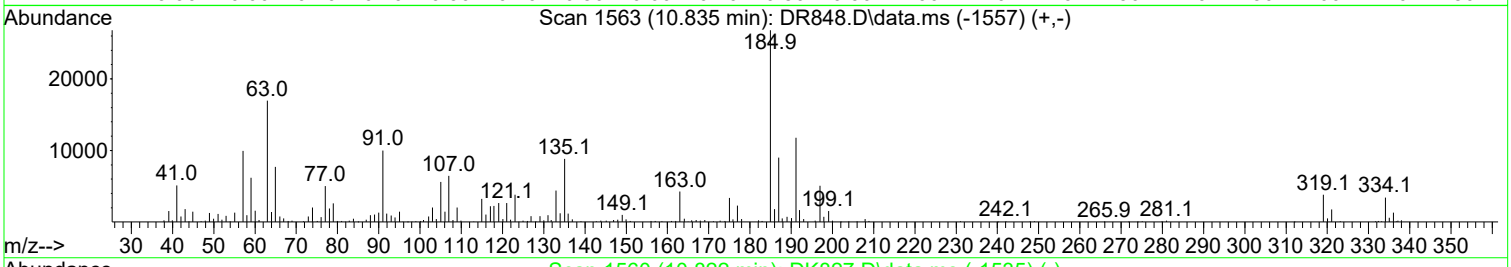
05/01/19

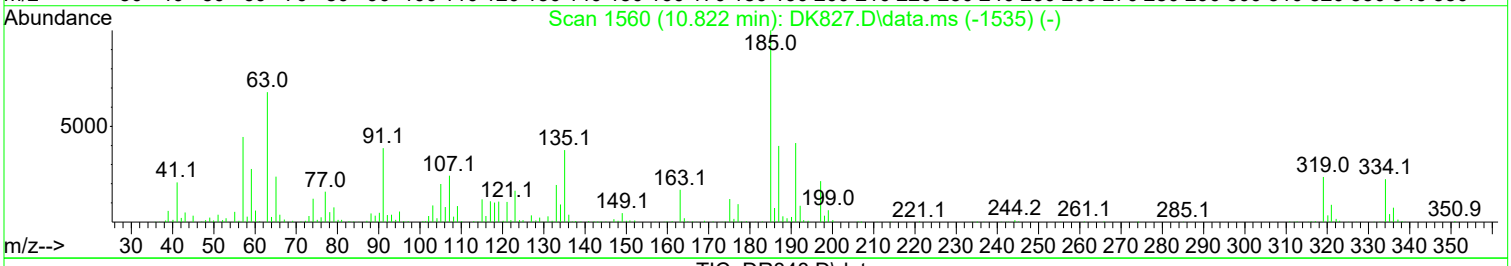
1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR848.D
Acq On : 30 Apr 2019 2:39 pm
Operator : JMisiurewicz
Sample : ICV
Misc : Initial Calibration 8270/625
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 01 09:43:24 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration







TIC: DR848.D\data.ms

(125) Aramite (TM)

10.835min (+ 0.009) 18.13 ppm

response 25917

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.10	43.76
319.05	14.30	14.34
0.00	0.00	0.00

Manual Integration:

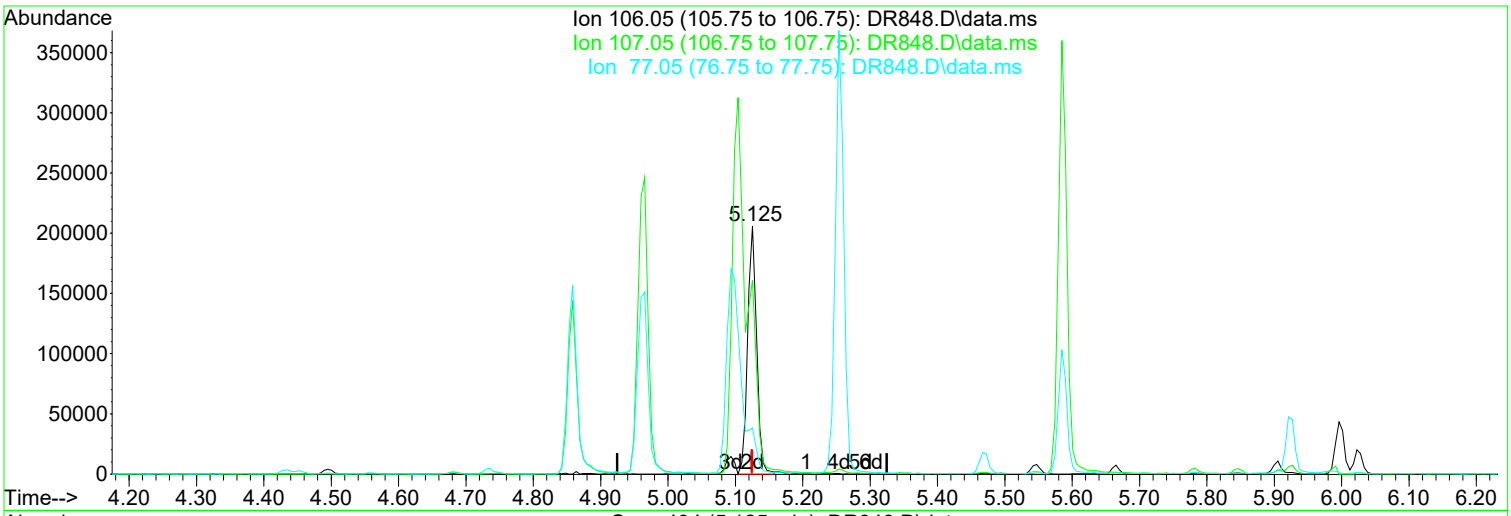
Before

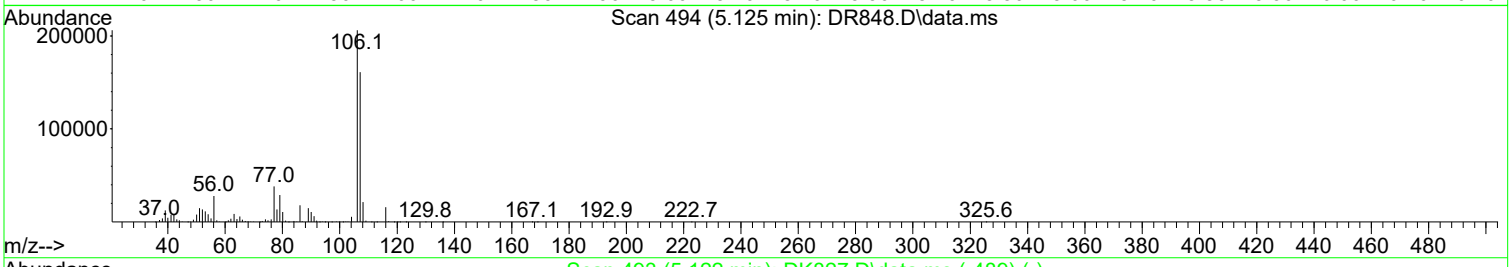
05/01/19

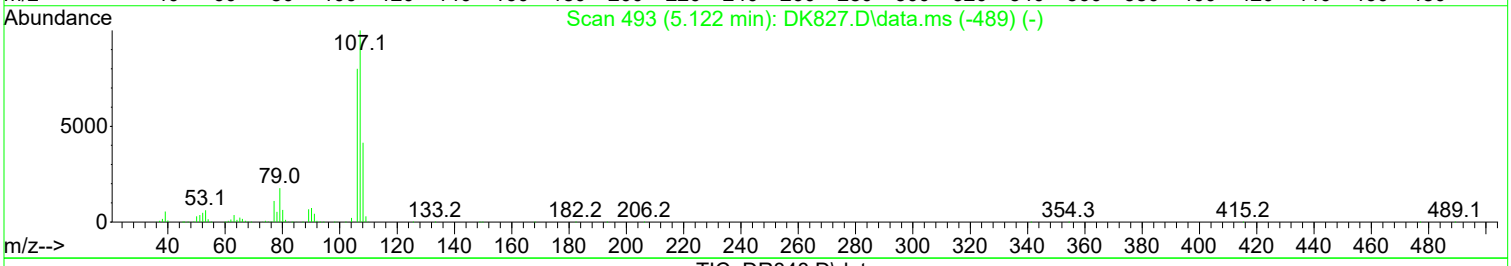
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR848.D
Acq On : 30 Apr 2019 2:39 pm
Operator : JMisiurewicz
Sample : ICV
Misc : Initial Calibration 8270/625
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 01 09:43:24 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration







TIC: DR848.D\data.ms

(29) o-Toluidine (TM)

5.125min (+ 0.000) 32.64 ppm m

response 192806

Ion	Exp%	Act%
106.05	100.00	100.00
107.05	41.90	78.19
77.05	1.60	18.52
0.00	0.00	0.00

Manual Integration:

After

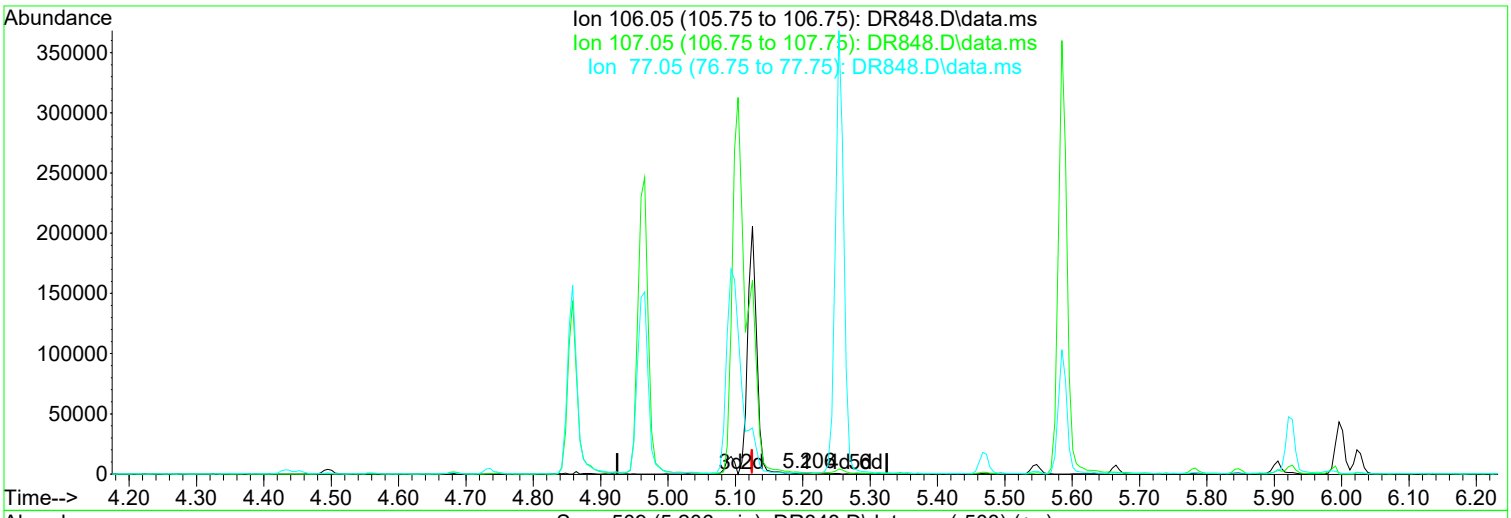
Peak not found.

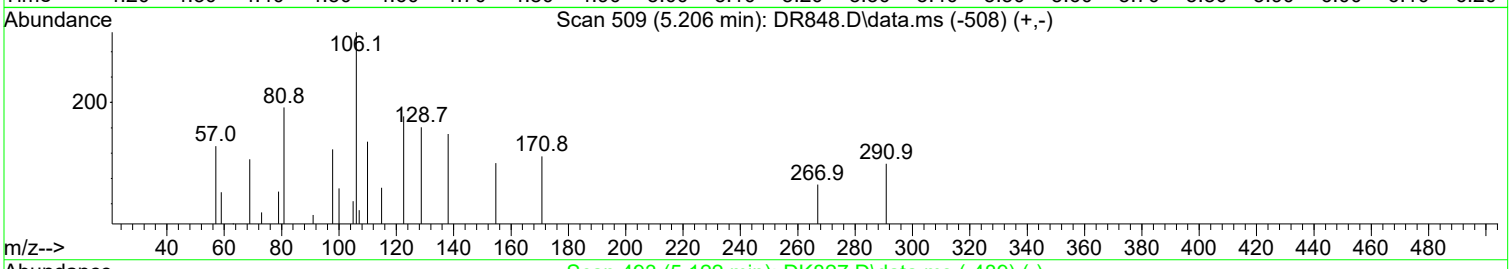
05/01/19

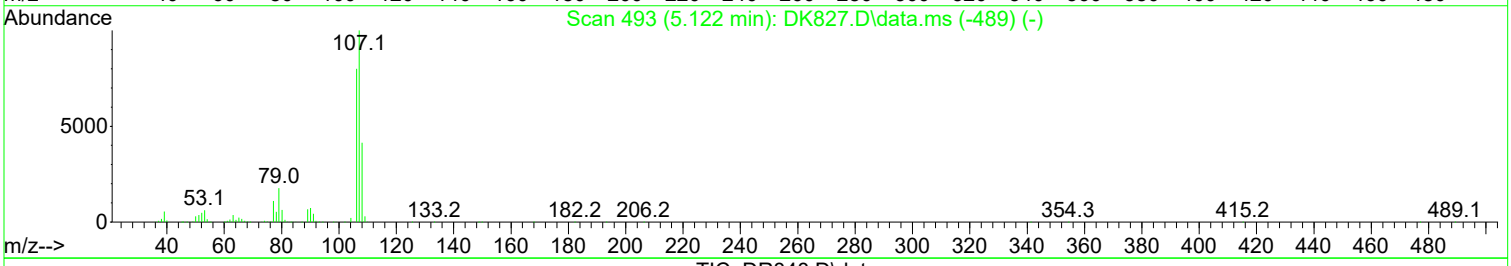
1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR848.D
Acq On : 30 Apr 2019 2:39 pm
Operator : JMisiurewicz
Sample : ICV
Misc : Initial Calibration 8270/625
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 01 09:43:24 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration







TIC: DR848.D\data.ms

(29) o-Toluidine (TM)

5.206min (+ 0.080) 0.07 ppm

response 402

Ion	Exp%	Act%
106.05	100.00	100.00
107.05	41.90	9.65
77.05	1.60	0.00
0.00	0.00	0.00

Manual Integration:

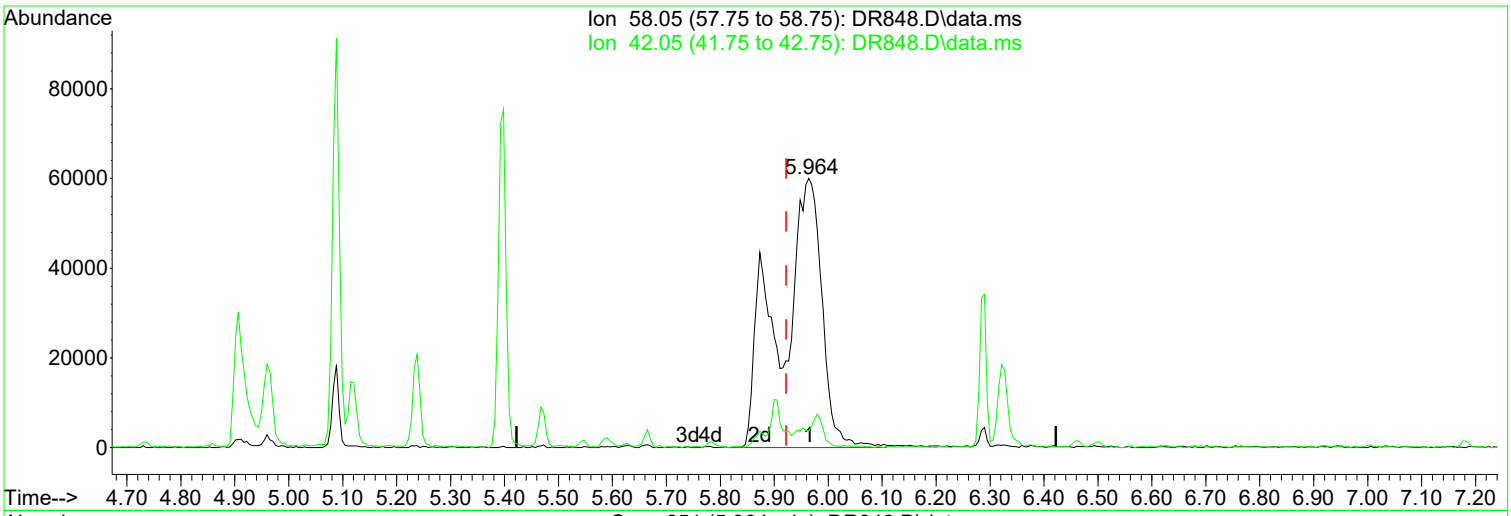
Before

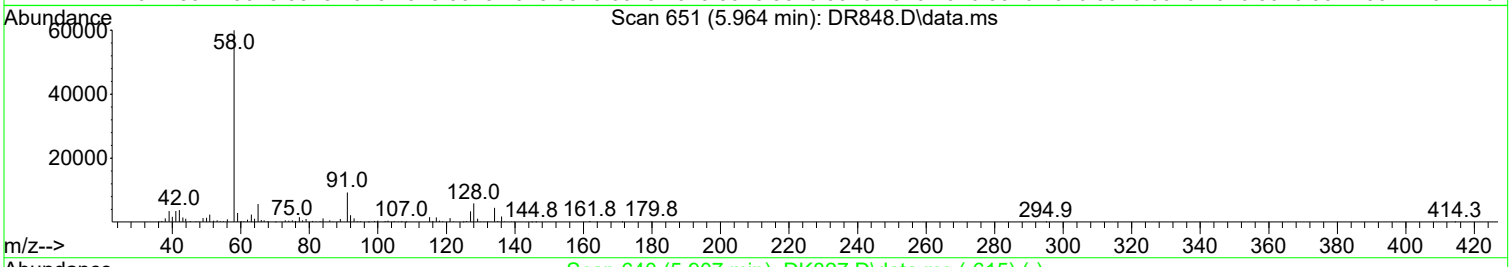
05/01/19

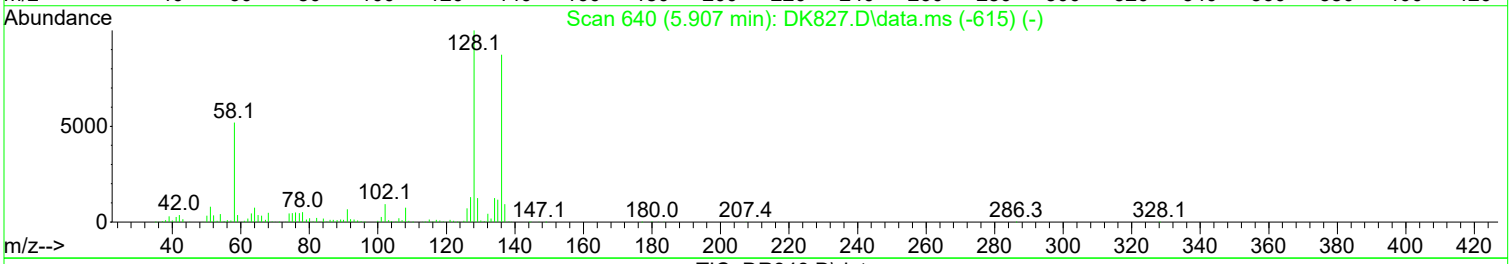
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR848.D
Acq On : 30 Apr 2019 2:39 pm
Operator : JMisiurewicz
Sample : ICV
Misc : Initial Calibration 8270/625
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 01 09:43:24 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration







TIC: DR848.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.964min (+ 0.042) 41.62 ppm m

response 321567

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	7.40	6.36
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

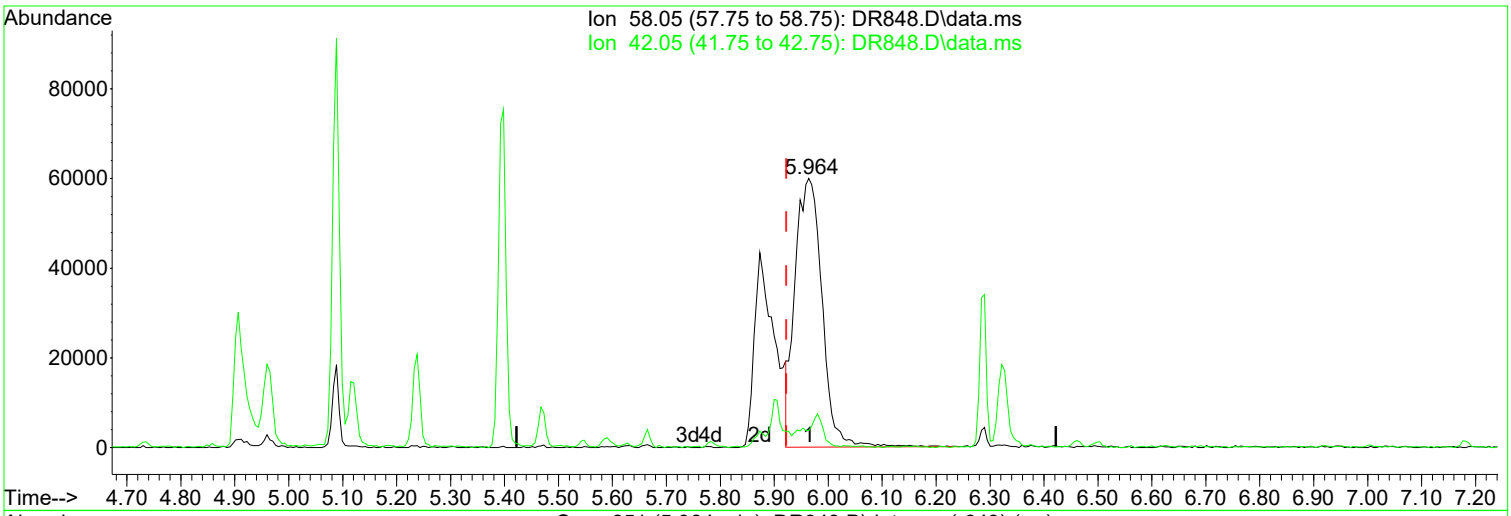
Poor integration.

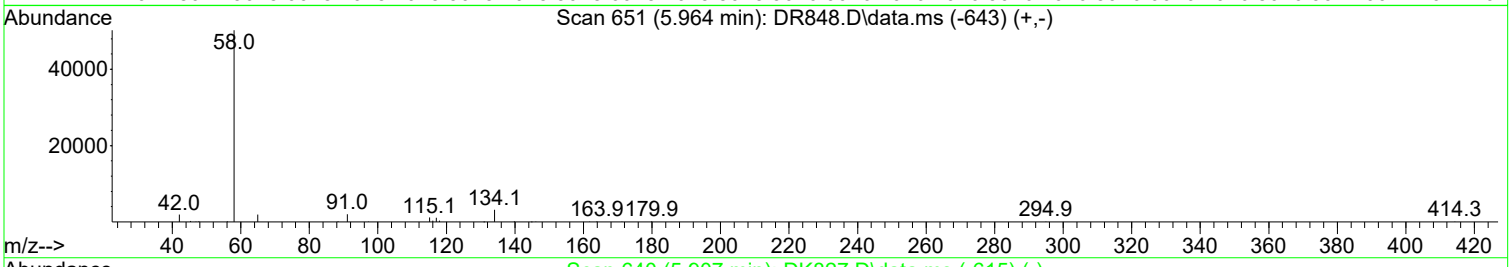
05/01/19

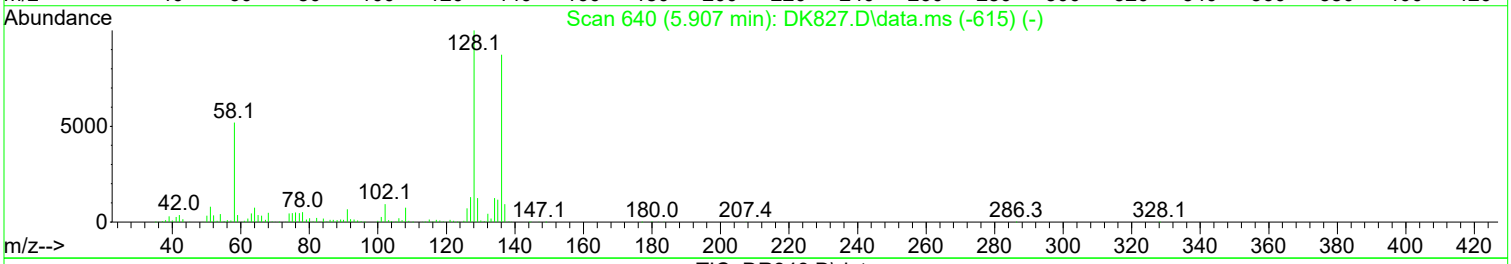
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR848.D
Acq On : 30 Apr 2019 2:39 pm
Operator : JMisiurewicz
Sample : ICV
Misc : Initial Calibration 8270/625
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 01 09:43:24 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration







TIC: DR848.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.964min (+ 0.042) 27.05 ppm

response 209045

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	7.40	3.82
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

05/01/19

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR848.D
Acq On : 30 Apr 2019 2:39 pm
Operator : JMisiurewicz
Sample : ICV
Misc : Initial Calibration 8270/625
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 01 09:43:24 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.736	152	109887	40.00	ppm	0.00
33) d8-Naphthalene	5.905	136	407486	40.00	ppm	0.00
57) d10-Acenaphthene	7.614	164	204693	40.00	ppm	0.00
91) d10-Phenanthrene	9.089	188	313390	40.00	ppm	0.00
117) d12-Chrysene	12.357	240	284009	40.00	ppm	0.00
135) d12-Perylene	15.290	264	279566	40.00	ppm	0.00
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.662	112	307572	76.95	ppm	0.00
Spiked Amount 100.000	Range 10 - 70		Recovery = 76.95%#			
12) SURR2,PHENOL-D6	4.420	99	390866	79.60	ppm	0.00
Spiked Amount 100.000	Range 10 - 107		Recovery = 79.60%			
34) SURR4,NITROBENZENE-D5	5.238	82	314328	76.02	ppm	0.00
Spiked Amount 50.000	Range 31 - 110		Recovery = 152.04%#			
63) SURR5,2-FLUOROBIPHENYL	6.947	172	596169	76.59	ppm	0.00
Spiked Amount 50.000	Range 31 - 118		Recovery = 153.18%#			
88) SURR3,2,4,6-TRIBROMOPH...	8.400	330	64750	77.25	ppm	0.00
Spiked Amount 100.000	Range 35 - 141		Recovery = 77.25%			
124) SURR6,TERPHENYL-D14	10.771	244	532000	79.52	ppm	0.00
Spiked Amount 50.000	Range 10 - 165		Recovery = 159.04%			
Target Compounds						Qvalue
2) Pyridine	2.615	79	144794	33.731	ppm	95
3) N-Nitrosodimethylamine	2.583	74	71084	27.709	ppm	97
4) 2-Picoline	3.192	93	144479	33.104	ppm	98
5) N-Nitrosomethylamine	3.283	42	57467	32.551	ppm	99
6) Methyl Methansulfonate	3.523	80	174238	87.638	ppm	98
8) N-Nitrosodiethylamine	3.833	102	156154	80.123	ppm	84
9) Ethyl Mathanesulfonate	4.073	79	97190	28.929	ppm	96
11) Aniline	4.452	93	198201	31.626	ppm	95
13) Phenol	4.436	94	413777	77.048	ppm	94
14) bis(2-Clethyl)Ether	4.495	93	300416	80.848	ppm	98
15) Pentachloroethane	4.490	117	117230	78.356	ppm	95
16) 2-Chlorophenol	4.559	128	348816	82.688	ppm	97
17) 1,3-Diclbenzene	4.682	146	359385	81.860	ppm	98
18) 1,4-Dichlorobenzene	4.752	146	360849	80.318	ppm	96
19) 1,2-Diclbenzene	4.885	146	337641	78.655	ppm	99
20) Benzyl Alcohol	4.858	79	239826	83.942	ppm	94
21) 1-Methyl-2-pyrrolidinone	4.906	99	91994	35.231	ppm	96
22) 2,2'-oxybis(1-Chloropr...	4.960	45	353749	99.076	ppm	95
23) 2-Methylphenol	4.965	108	295393	78.040	ppm	96
24) 3+4-Methylphenol	5.104	108	323506	75.534	ppm	93
25) Acetophenone	5.093	105	166359	31.274	ppm	85
26) N-Nitroso-Di-n-propyla...	5.088	70	94953	33.097	ppm	97
27) N-Nitrosopyrrolidine	5.088	100	69005	33.077	ppm	97
28) N-Nitrosomorpholine	5.120	56	62504	30.438	ppm	97
29) o-Toluidine	5.125	106	192806m	32.639	ppm	
30) Hexachloroethane	5.184	117	139329	80.571	ppm	97
31) o,o,o-Triethylphosphor...	5.628	198	61548	34.174	ppm	91
32) Alpha-terpinol	5.927	121	48910	34.844	ppm	92
35) Nitrobenzene	5.254	77	323915	77.992	ppm	98
36) N-Nitrosopiperidine	5.398	42	75003	33.225	ppm	89
37) Isophorone	5.467	82	498246	71.974	ppm	99
38) 2-Nitrophenol	5.547	139	180494	83.999	ppm	98
39) 2,4-Dimethylphenol	5.585	107	324014	83.736	ppm	95

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR848.D
Acq On : 30 Apr 2019 2:39 pm
Operator : JMisiurewicz
Sample : ICV
Misc : Initial Calibration 8270/625
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 01 09:43:24 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40)	bis(-2-Chloroethoxy)Me...	5.665	93	351413	86.338	ppm		99
42)	2,4-Dichlorophenol	5.782	162	259386	84.629	ppm		96
43)	a,a-Dimethylphenethyla...	5.964	58	321567m	41.615	ppm		
44)	1,2,4-Trichlorobenzene	5.846	180	261886	81.038	ppm		98
45)	Naphthalene	5.927	128	944199	84.073	ppm		99
46)	4-Chloroaniline	5.985	127	372688	79.306	ppm		99
47)	2,6-Dichlorophenol	5.991	162	253657	79.142	ppm		99
48)	Hexachlorobutadiene	6.028	225	131738	80.455	ppm		96
49)	Hexachloropropene	5.996	213	160542	78.471	ppm		100
50)	4-Chloro-3-methylphenol	6.461	107	262856	85.869	ppm		96
51)	N-N-di-n-butylamine	6.290	84	79037	32.559	ppm		97
52)	Caprolactam	6.322	113	39150	32.225	ppm		97
53)	p-Phenylenediamine	6.338	80	462	0.590	ppm	#	21
54)	Safrole	6.498	162	230278	79.880	ppm		98
55)	2-Methylnaphthalene	6.589	142	580441	79.860	ppm		97
56)	1-Methylnaphthalene	6.685	142	584388	85.940	ppm		99
58)	Hexachlorocyclopentadiene	6.733	237	118843	81.880	ppm		100
59)	1,2,4,5-Tetrachloroben...	6.749	216	234967	77.993	ppm		97
60)	1,2,3,4-Tetrachloroben...	7.032	216	99556	31.383	ppm		100
61)	2,4,6-Trichlorophenol	6.872	196	166314	87.159	ppm		98
62)	2,4,5-Trichlorophenol	6.925	196	162706	79.278	ppm		99
64)	Isosafrole	7.006	104	40259	30.582	ppm		85
65)	1,1'-Biphenyl	7.043	154	293710	32.390	ppm		97
66)	2-Chloronaphthalene	7.070	162	520430	79.407	ppm		100
67)	2-Nitroaniline	7.182	65	60788	32.447	ppm		89
68)	1,4-Naphthoquinone	7.257	158	74679	36.296	ppm		96
69)	m-Dinitrobenzene	7.401	168	101249	78.630	ppm		91
70)	Acenaphthylene	7.476	152	871112	82.982	ppm		99
71)	Dimethyl phthalate	7.347	163	557070	72.699	ppm		98
72)	2,6-Dinitrotoluene	7.417	165	134363	77.237	ppm		96
73)	Acenaphthene	7.646	153	562619	77.043	ppm		98
74)	3-Nitroaniline	7.588	138	67820	33.913	ppm		94
75)	2,4-Dinitrophenol	7.700	184	56352	83.121	ppm		84
76)	Dibenzofuran	7.817	168	726376	80.550	ppm		99
77)	2,4-Dinitrotoluene	7.817	165	179362	78.068	ppm		97
78)	4-Nitrophenol	7.801	65	105728	80.582	ppm	#	41
79)	Pentachlorobenzene	7.775	250	186333	77.177	ppm		97
80)	1-Napthylamine	7.903	143	157773	33.223	ppm		97
81)	2-Napthylamine	7.983	143	158259	26.172	ppm		97
82)	2,3,4,6-Tetrachlorophenol	7.946	232	109500	79.525	ppm		93
83)	Fluorene	8.154	166	576685	77.779	ppm		100
84)	4-Chlorophenyl-phenyle...	8.149	204	253715	84.821	ppm		98
85)	Diethylphthalate	8.036	149	550011	72.478	ppm		98
86)	4-Nitroaniline	8.202	138	68768	34.862	ppm		95
87)	5-Nitro-o-toluidine	8.181	152	71955	32.129	ppm		100
89)	Sulfotepp	8.416	322	77194	81.503	ppm		98
90)	Octachlorocyclopentene	8.394	307	30405	31.535	ppm		95
92)	Thionazin	8.116	107	37889	30.817	ppm		98
93)	4,6-Dinitro-2-methylph...	8.223	198	104180	86.239	ppm		94
94)	Diphenylamine	8.271	169	360803	65.152	ppm		99
95)	1,2 Diphenylhydrazine	8.309	77	220545	31.559	ppm		94
96)	N-Nitrosodiphenylamine	8.271	169	360803	65.152	ppm		99
97)	1,3,5-Trinirobenzene	8.597	74	82038	82.078	ppm		96
98)	Diallate	8.544	86	85510	29.676	ppm		97
99)	Phorate	8.554	121	47862	33.017	ppm		97
100)	Phenacetin	8.597	108	125202	34.292	ppm		99

1st DM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR848.D
Acq On : 30 Apr 2019 2:39 pm
Operator : JMisiurewicz
Sample : ICV
Misc : Initial Calibration 8270/625
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 01 09:43:24 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration

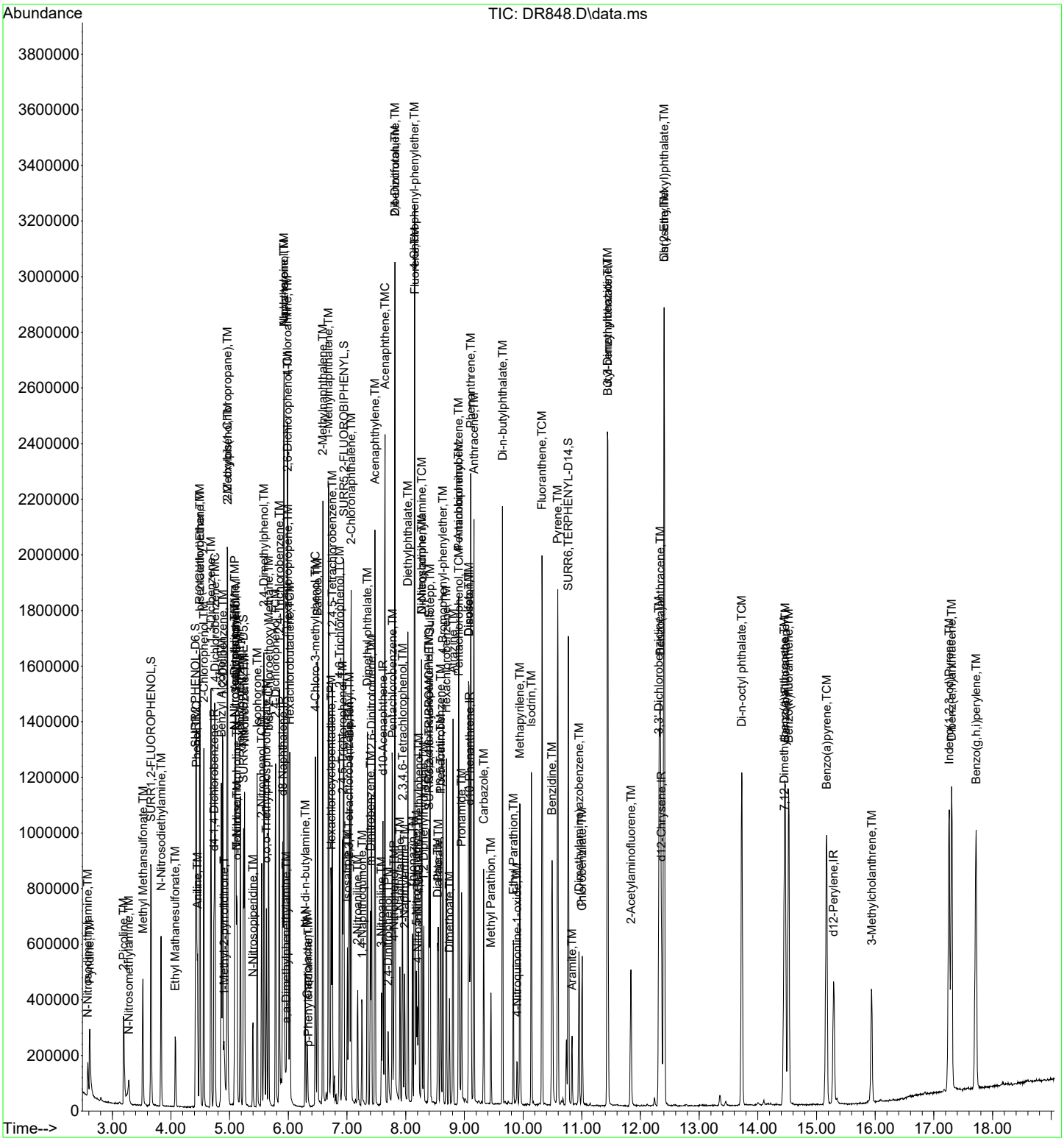
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) 4-Bromophenyl-phenylether	8.635	248	136182	83.105	ppm	96
102) Hexachlorobenzene	8.693	284	140685	76.344	ppm	96
103) Dimethoate	8.747	87	69683	29.101	ppm	95
104) Atrazine	8.805	215	76941	85.866	ppm	99
105) Pentachlorophenol	8.907	266	56315	82.458	ppm	99
106) 4-Aminobiphenyl	8.902	169	180788	32.128	ppm	97
107) Pentachloronitrobenzene	8.902	237	56181	82.524	ppm	94
108) Pronamide	8.950	173	112086	34.981	ppm	98
109) Dinoseb	9.072	211	124811	78.498	ppm	96
110) Disulfoton	9.072	88	122998	35.784	ppm	91
111) Phenanthrene	9.110	178	781328	78.835	ppm	99
112) Anthracene	9.163	178	783477	79.561	ppm	98
113) Carbazole	9.329	167	322224	33.311	ppm	99
114) Di-n-butylphthalate	9.649	149	988324	79.048	ppm	99
115) 4-Nitroquinonline-1-oxide	9.900	190	17060	29.101	ppm	89
116) Fluoranthene	10.322	202	828026	81.607	ppm	99
118) Methyl Parathion	9.452	109	65405	29.048	ppm	92
119) Ethyl Parathion	9.836	97	55198	32.812	ppm	95
120) Methapyrilene	9.943	58	319013	130.356	ppm	99
121) Isodrin	10.141	193	83037	79.966	ppm	98
122) Benzidine	10.493	184	548565	82.317	ppm	99
123) Pyrene	10.589	202	855730	82.052	ppm	99
125) Aramite	10.835	185	49320m	34.501	ppm	
126) p-(Dimethylamino)azobe...	10.953	120	110438	35.645	ppm	95
127) Chlorobenzilate	11.006	139	122540	33.855	ppm	91
128) Butyl benzyl phthalate	11.444	149	458507	79.249	ppm	99
129) 3,3-Dimethylbenzidine	11.439	212	511368	80.613	ppm	97
130) 2-Acetylaminofluorene	11.839	181	156450	33.860	ppm	98
131) 3,3'-Dichlorobenzidine	12.315	252	284529	75.318	ppm	99
132) Benzo(a)anthracene	12.336	228	750034	77.774	ppm	98
133) Chrysene	12.405	228	733193	82.643	ppm	98
134) bis(2-Ethylhexyl)phtha...	12.405	149	624678	78.462	ppm	97
136) Di-n-octyl phthalate	13.725	149	1015108	76.510	ppm	99
137) 7,12-Dimethylbenz(a)an...	14.451	256	138203	32.701	ppm	96
138) Benzo(b)Fluoranthene	14.467	252	738499	79.380	ppm	99
139) Benzo(k)fluoranthene	14.526	252	716890	81.359	ppm	96
140) Benzo(a)pyrene	15.172	252	663908	82.980	ppm	97
141) 3-Methylcholanthrene	15.941	268	148523	31.696	ppm	95
142) Indeno(1,2,3-cd)Pyrene	17.260	276	631768	80.518	ppm	96
143) Dibenz(a,h)anthracene	17.303	278	652317	79.347	ppm	99
144) Benzo(g,h,i)perylene	17.720	276	627174	92.744	ppm	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st JM 05/01/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR848.D
Acq On : 30 Apr 2019 2:39 pm
Operator : JMisiurewicz
Sample : ICV
Misc : Initial Calibration 8270/625
ALS Vial : 14 Sample Multiplier: 1

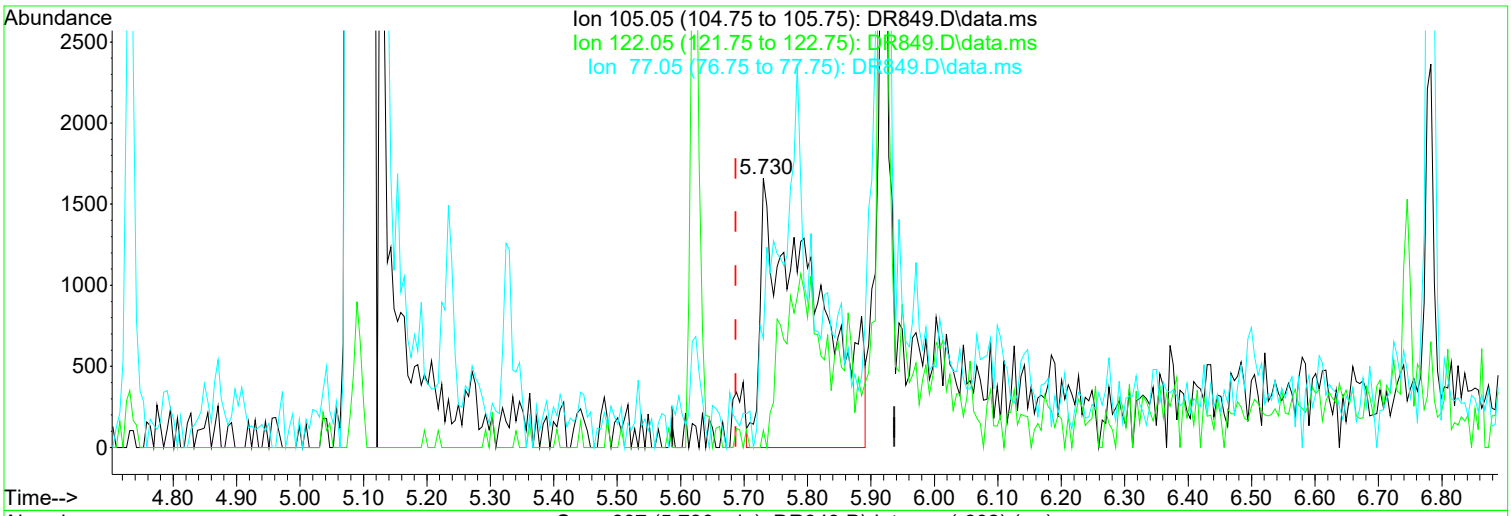
Quant Time: May 01 09:43:24 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration

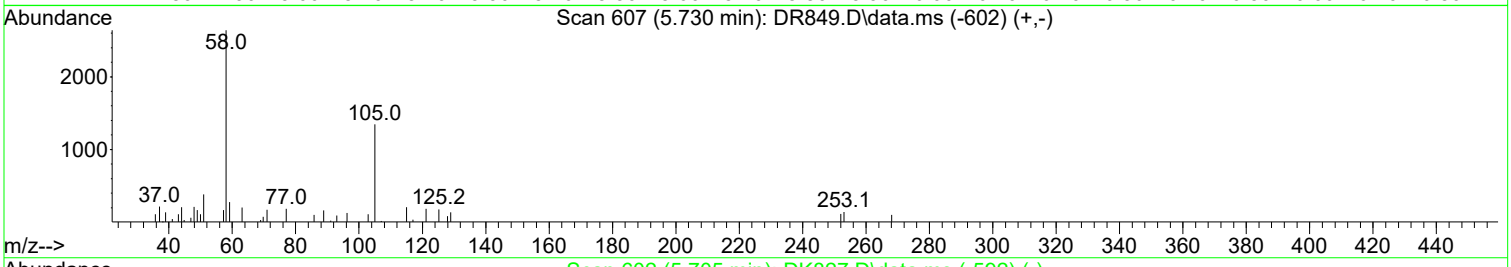


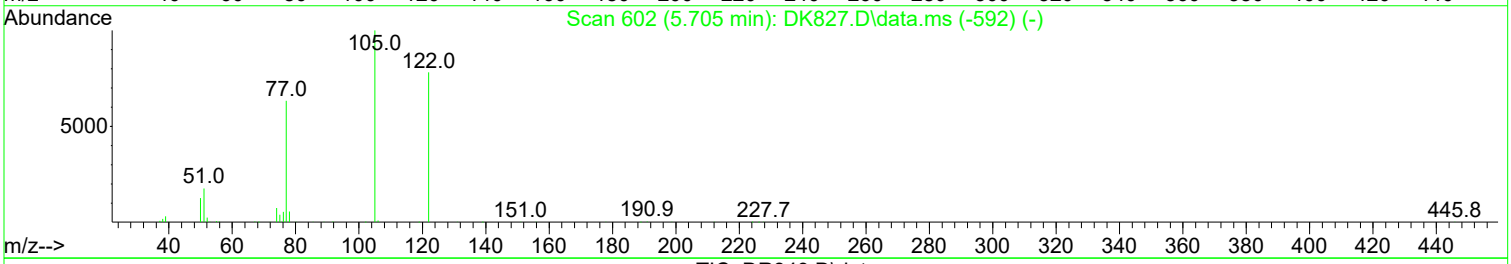
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR849.D
Acq On : 30 Apr 2019 3:07 pm
Operator : JMisiurewicz
Sample : ICV #2
Misc : Initial Calibration 8270/625
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 01 09:47:54 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration







TIC: DR849.D\data.ms

(41) Benzoic Acid (TM)

5.730min (+ 0.043) 22.98 ppm m

response 9800

Ion	Exp%	Act%
105.05	100.00	100.00
122.05	82.40	6.45#
77.05	69.60	40.53
0.00	0.00	0.00

Manual Integration:

After

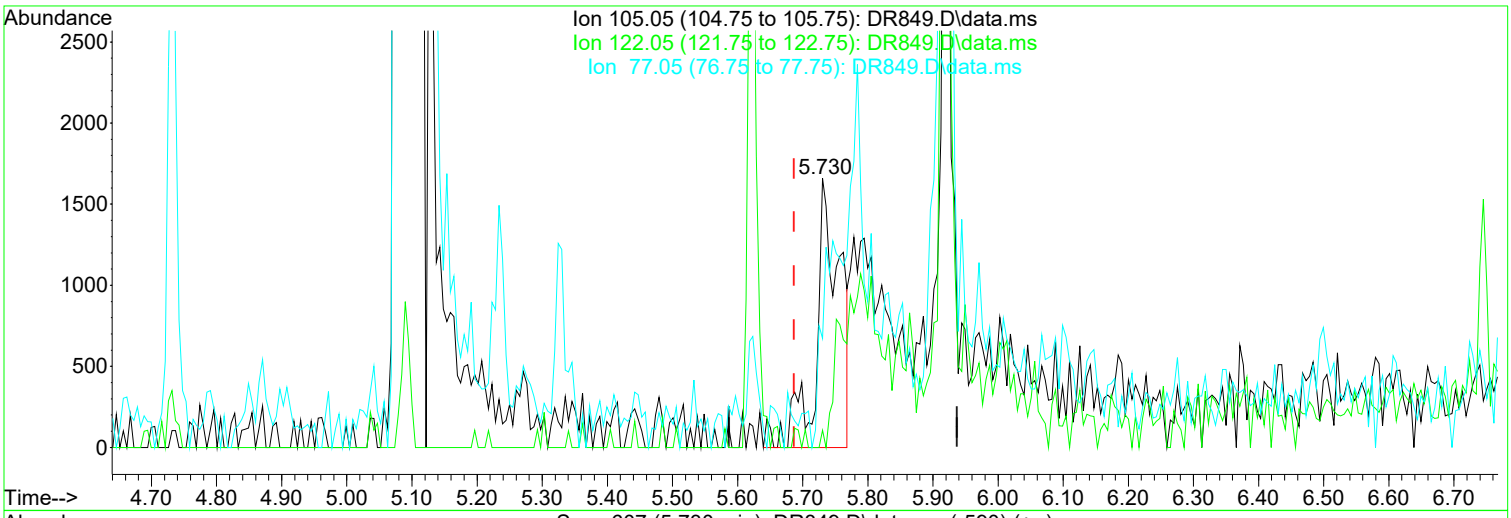
Poor integration.

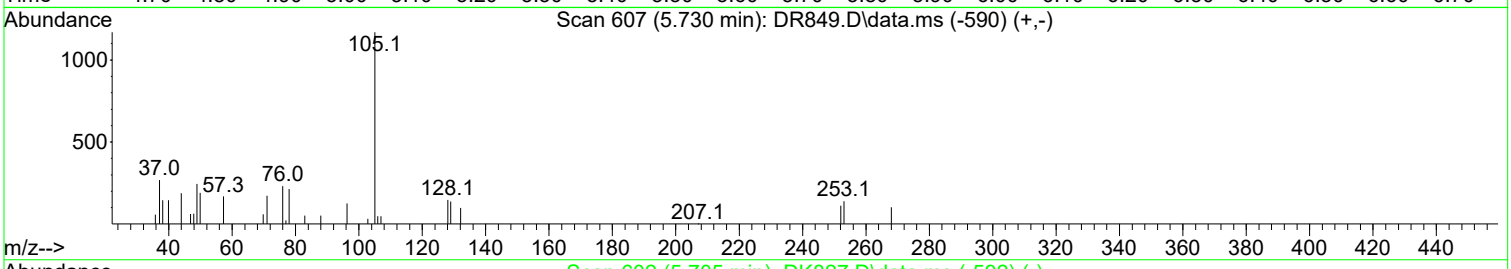
05/01/19

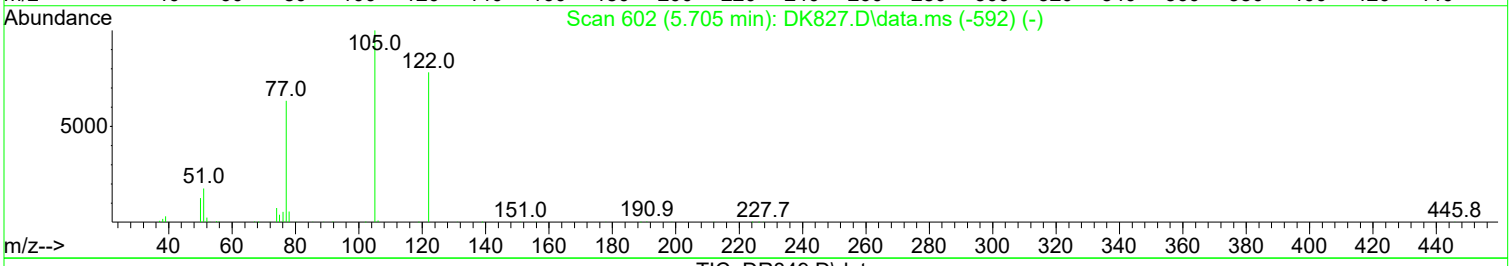
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR849.D
Acq On : 30 Apr 2019 3:07 pm
Operator : JMisiurewicz
Sample : ICV #2
Misc : Initial Calibration 8270/625
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 01 09:47:54 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration







TIC: DR849.D\data.ms

(41) Benzoic Acid (TM)

5.730min (+ 0.043) 19.45 ppm

response 4134

Ion	Exp%	Act%
105.05	100.00	100.00
122.05	82.40	0.00#
77.05	69.60	1.92#
0.00	0.00	0.00

Manual Integration:

Before

05/01/19

Analysis: 8270/625 Analyst: OMS/Wheeler Run Method: 8270A/Tune
Date: 4/30/19 Instr. 5973A R-MS-51 Quant Method: 8-7004301 9A-M
Syringes: LIMS Run#: 633877

Pos.	Sample	Diln.	Stds. ID	File#	OK?	Comments
1	Blk			DR834	—	
2	Tune		198691	35	(N)	
2	Tune		↓	36	Y	8:01
3	CCV			37	(N)	recalibrate
4	Blk			38	Y	
5	1 ppm SDD		199023	39	Y	
6	2.5		24	40	Y	
7	5.0		25	41	Y	
8	10		26	42	Y	
9	50 RQ190055D		27	43	Y	
10	80		28	44	Y	
11	100		29	45	Y	
12	120		30	46	Y	
13	160		↓ 31	47	Y	
14	ICV #1	199034	199999	48	YQ	
15	↓ #2		199000	49	YQ	Benzaldehyde/Benzoic Acid only
16	CCV		199028	50	YCC	
17	RQ190355 7-01	Blk	335128	51	Y	
18	-02	LCS	(625)	52	YQ	
19	↓ -03	LCSD		53	YQ	
20	R190 3386-001			54	Y	
21	RQ190 3613-01	Blk	335197	55	Y	
22	-02	LCS	(625)	56	YQ	
23	↓ -03	LCSD		57	YQ	
24	R190 3480-003			58	Y	
25	R190 3500-001			59	Y	
26	RQ190 3942-01	Blk	335378	60	Y	
27	-02	LCS	(625)	61	YQ	
28	↓ -03	LCSD		62	YQ	
29	R190 3515-002			63	Y	
30	R190 3505-001			64	Y	
31	-002			65	Y	10:50
32	↓ -003			66	(N)	out of tune 11:18

All samples = 1 mL + 10 uL Combined IS/Surr.; 197704

Primary : exp: Secondary : exp:
Primary: exp: Secondary : exp:
Reagents:

Runlog GCEXT r2 4/27/17
O-1002 Page 52

ALS Group USA, Corp.

DBA ALS Environmetal

QC/QC Report

Date Analyzed: 4/30/19 8:01

ICAL Tune Summary

Semi Volatile Organic Compounds by GC/MS

ile ID: I:\ACQUDATA\5973A\DATA\043019\DR836.D Analytical Method: 8270D

ıstrument ID: R-MS-51

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Results Pass/Fail
51	198	10	80	42.1	32694	PASS
68	69	0	2	0.0	0	PASS
69	198	0	100	47.0	36473	PASS
70	69	0	2	0.8	285	PASS
127	198	10	80	53.7	41683	PASS
197	198	0	2	0.8	623	PASS
198	198	100	100	100.0	77571	PASS
199	198	5	9	6.1	4703	PASS
275	198	10	60	22.1	17145	PASS
365	198	1	100	2.5	1971	PASS
441	442	0.01	24	17.8	10928	PASS
442	442	100	100	100.0	61379	PASS
443	442	15	24	18.6	11428	PASS

ample Name	Lab Code	File ID:	Date Analyzes:	Q
LK	BLK	I:\ACQUDATA\5973A\DATA\043019\DR838.D	4/30/19 9:12	
ppm STD	1 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR839.D	4/30/19 9:40	
.5 ppm STD	2.5 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR840.D	4/30/19 10:09	
.0 ppm STD	5.0 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR841.D	4/30/19 10:38	
0 ppm STD	10 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR842.D	4/30/19 11:08	
0 ppm STD	50 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR843.D	4/30/19 12:00	
0 ppm STD	80 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR844.D	4/30/19 12:34	
00 ppm STD	100 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR845.D	4/30/19 13:03	
20 ppm STD	120 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR846.D	4/30/19 13:33	
60 ppm STD	160 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR847.D	4/30/19 14:03	
CV	ICV	I:\ACQUDATA\5973A\DATA\043019\DR848.D	4/30/19 14:39	
CV #2	ICV #2	I:\ACQUDATA\S973A\DATA\043019\DR849.D	4/30/19 15:07	

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS170.D
Acq On : 27 Jun 2019 8:44 pm
Operator : J.Misiurewicz
Sample : ICV #2
Misc : Initial Calibration 8270D/625
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 28 11:09:48 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 10:37:35 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.688	152	312675	40.00	ppm	0.00
33) d8-Naphthalene	5.849	136	1187936	40.00	ppm	0.00
57) d10-Acenaphthene	7.555	164	609401	40.00	ppm	0.00
91) d10-Phenanthrene	9.021	188	943846	40.00	ppm	0.00
117) d12-Chrysene	12.230	240	772682	40.00	ppm	-0.01
135) d12-Perylene	15.113	264	721496	40.00	ppm	0.00
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	0.000	112	0d	0.00	ppm	
Spiked Amount 200.000	Range 10 - 70		Recovery =	0.00%#		
12) SURR2,PHENOL-D6	0.000	99	0d	0.00	ppm	
Spiked Amount 200.000	Range 10 - 107		Recovery =	0.00%#		
34) SURR4,NITROBENZENE-D5	0.000	82	0d	0.00	ppm	
Spiked Amount 100.000	Range 31 - 110		Recovery =	0.00%#		
63) SURR5,2-FLUOROBIPHENYL	0.000	172	0d	0.00	ppm	
Spiked Amount 100.000	Range 31 - 118		Recovery =	0.00%#		
88) SURR3,2,4,6-TRIBROMOPH...	0.000	330	0d	0.00	ppm	
Spiked Amount 200.000	Range 35 - 141		Recovery =	0.00%#		
124) SURR6,TERPHENYL-D14	0.000	244	0d	0.00	ppm	
Spiked Amount 100.000	Range 10 - 165		Recovery =	0.00%#		
Target Compounds						Qvalue
2) Pyridine	2.688	79	901270	92.966	ppm	99
3) N-Nitrosodimethylamine	2.661	74	425976	81.057	ppm	97
4) 2-Picoline	3.212	93	923016	82.418	ppm	98
5) N-Nitrosomethylamine	3.287	42	294373	87.364	ppm	98
9) Ethyl Mathanesulfonate	4.041	79	642132	83.299	ppm	99
11) Aniline	4.410	93	1293175	83.385	ppm	98
21) 1-Methyl-2-pyrrolidinone	4.838	99	588770	94.754	ppm	96
25) Acetophenone	5.041	105	1089818	81.509	ppm	85
26) N-Nitroso-Di-n-propyla...	5.047	70	604210	90.967	ppm	95
27) N-Nitrosopyrrolidine	5.041	100	464437	93.580	ppm	98
28) N-Nitrosomorpholine	5.068	56	410021	89.163	ppm	94
29) o-Toluidine	5.073	106	1232945	77.251	ppm	78
31) o,o,o-Triethylphosphor...	5.587	198	376216	100.349	ppm	97
36) N-Nitrosopiperidine	5.341	42	406342	91.592	ppm	96
43) a,a-Dimethylphenethyla...	5.683	58	2145728m	108.278	ppm	
51) N-N-di-n-butylamine	6.245	84	710658	109.988	ppm	94
52) Caprolactam	6.261	113	263657	96.834	ppm	92
60) 1,2,3,4-Tetrachloroben...	6.972	216	684315	86.068	ppm	98
64) Isosafrole	6.956	104	240114	83.389	ppm	100
65) 1,1'-Biphenyl	6.993	154	1980351	88.159	ppm	99
67) 2-Nitroaniline	7.116	65	373798	81.680	ppm	96
68) 1,4-Naphthoquinone	7.191	158	544541	94.912	ppm	96
74) 3-Nitroaniline	7.518	138	454912	86.422	ppm	96
80) 1-Napthylamine	7.833	143	1049725	57.261	ppm	99
81) 2-Napthylamine	7.913	143	1124346	61.301	ppm	98
86) 4-Nitroaniline	8.127	138	481823	84.443	ppm	99
87) 5-Nitro-o-toluidine	8.117	152	473158	82.385	ppm	99
90) Octachlorocyclopentene	8.341	307	182793	96.165	ppm	99
92) Thionazin	8.074	107	276423	101.819	ppm	94
94) Diphenylamine	8.218	169	2324207	151.263	ppm	99
95) 1,2 Diphenylhydrazine	8.250	77	1535857	85.253	ppm	98
96) N-Nitrosodiphenylamine	8.218	169	2324207	151.247	ppm	99
98) Diallate	8.496	86	635176	103.641	ppm	97

1st DM 07/01/19
2nd MP 07/01/19

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS170.D
Acq On : 27 Jun 2019 8:44 pm
Operator : J.Misiurewicz
Sample : ICV #2
Misc : Initial Calibration 8270D/625
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 28 11:09:48 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 10:37:35 2019
Response via : Initial Calibration

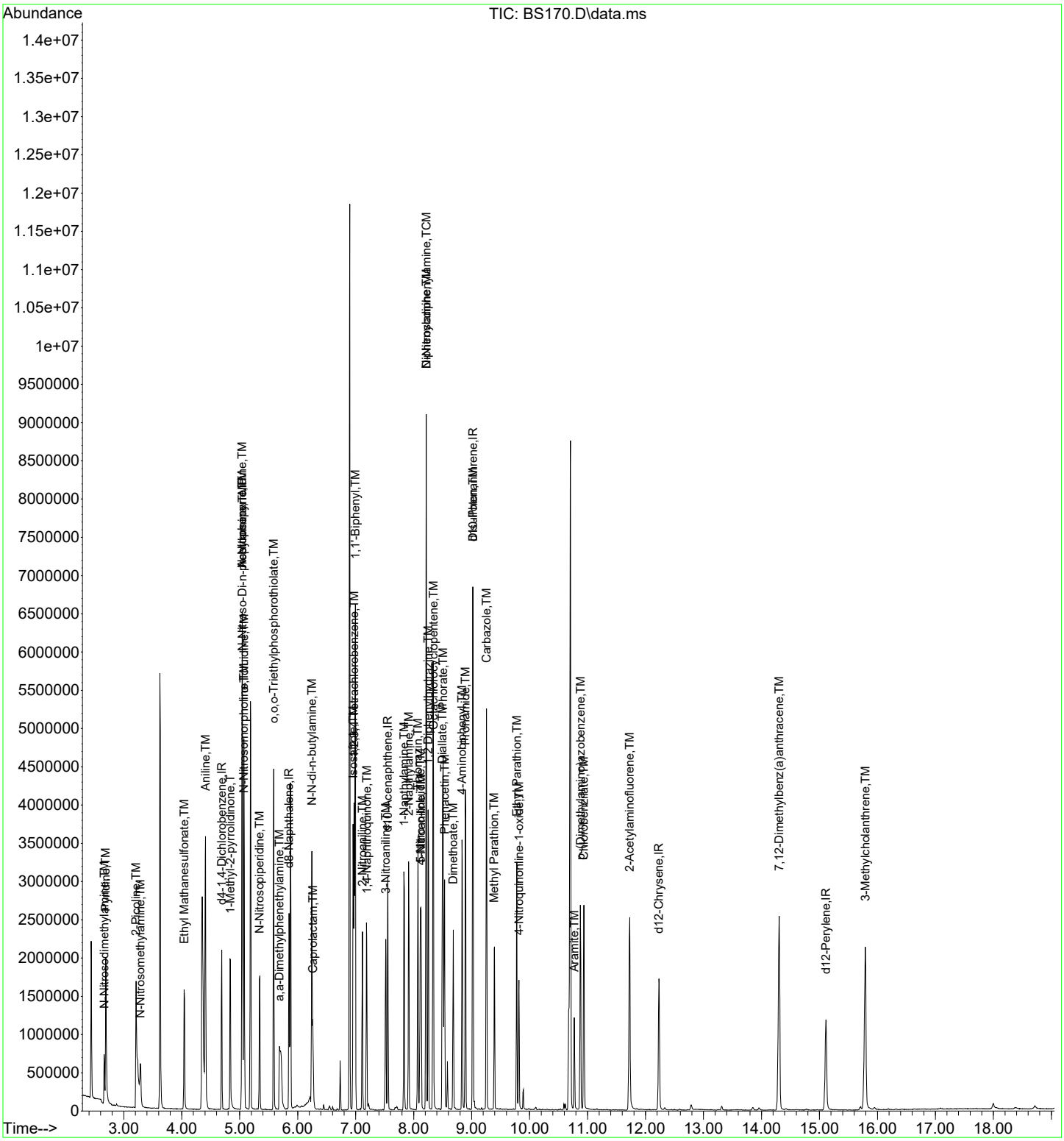
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) Phorate	8.507	121	337828	108.096	ppm	93
100) Phenacetin	8.534	108	804604	97.272	ppm	99
103) Dimethoate	8.684	87	536752	89.100	ppm	99
106) 4-Aminobiphenyl	8.833	169	1230212	63.437	ppm	99
108) Pronamide	8.892	173	756259	97.145	ppm	99
110) Disulfoton	9.021	88	903906	94.583	ppm	94
113) Carbazole	9.256	167	2131022	85.252	ppm	98
115) 4-Nitroquinonline-1-oxide	9.818	190	197387	87.420	ppm	96
118) Methyl Parathion	9.390	109	411605	87.053	ppm	99
119) Ethyl Parathion	9.780	97	353529	113.396	ppm	98
125) Aramite	10.770	185	243067m	90.364	ppm	
126) p-(Dimethylamino)azobe...	10.877	120	600646	85.108	ppm	100
127) Chlorobenzilate	10.935	139	614031	92.996	ppm	95
130) 2-Acetylaminofluorene	11.727	181	926187	95.308	ppm	97
137) 7,12-Dimethylbenz(a)an...	14.305	256	874175	95.125	ppm	99
141) 3-Methylcholanthrene	15.792	268	878862	86.192	ppm	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st DM 07/01/19
2nd MP 07/01/19

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS170.D
Acq On : 27 Jun 2019 8:44 pm
Operator : J.Misiurewicz
Sample : ICV #2
Misc : Initial Calibration 8270D/625
ALS Vial : 14 Sample Multiplier: 1

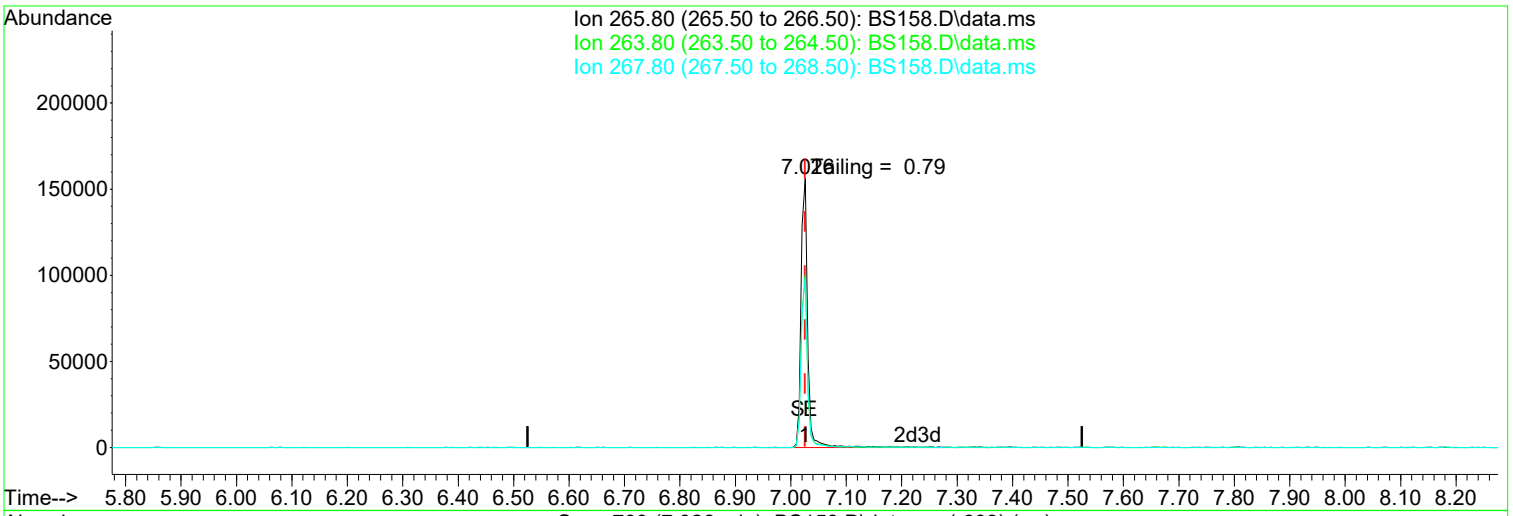
Quant Time: Jun 28 11:09:48 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 10:37:35 2019
Response via : Initial Calibration

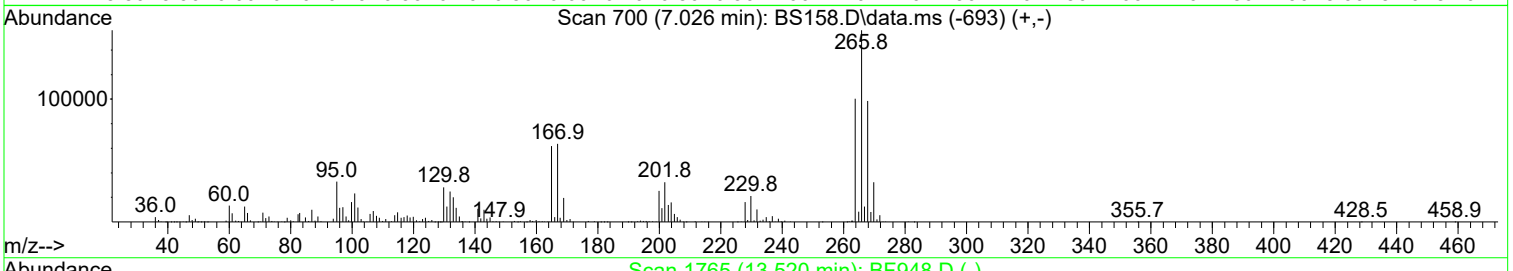


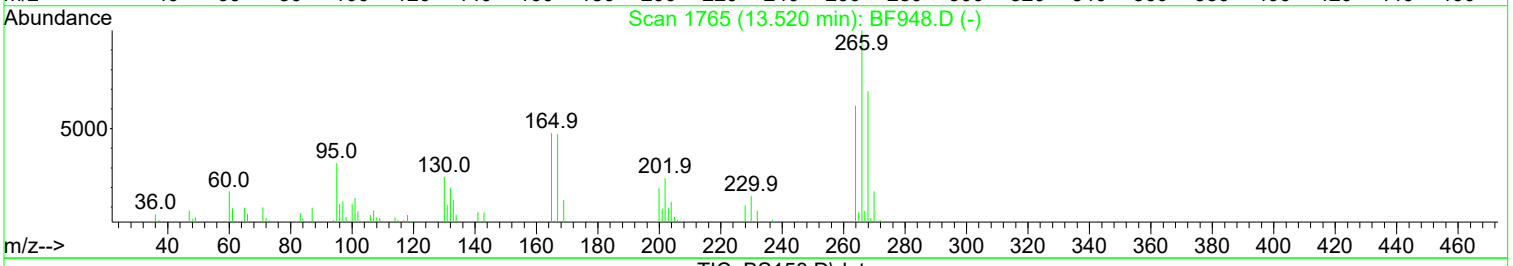
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS158.D
Acq On : 27 Jun 2019 8:46 am
Operator : J.Misiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 28 10:11:53 2019
Quant Method : I:\ACQUDATA\5973D\Methods\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Fri Jun 28 10:11:34 2019
Response via : Initial Calibration







TIC: BS158.D\data.ms

(5) Pentachlorophenol (TCM)

7.026min (0.000) 50.00 ppm

response 129281

Ion	Exp%	Act%
265.80	100.00	100.00
263.80	63.50	64.27
267.80	64.20	63.15
0.00	0.00	0.00

Manual Integration:

After

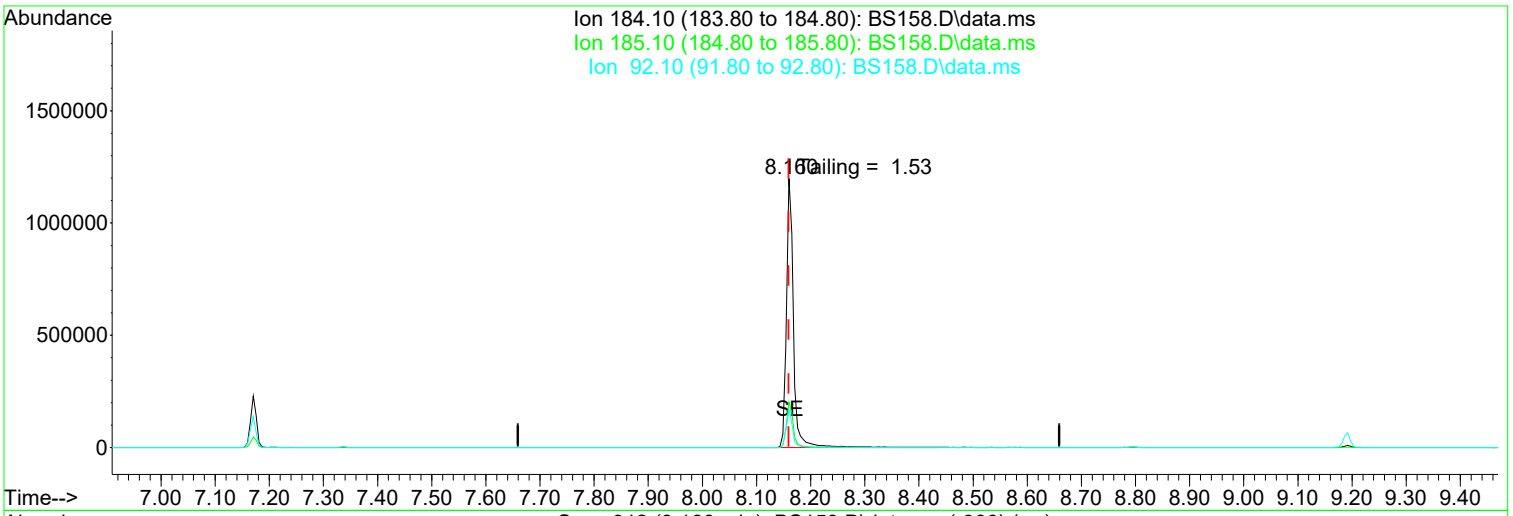
Other - Tailing

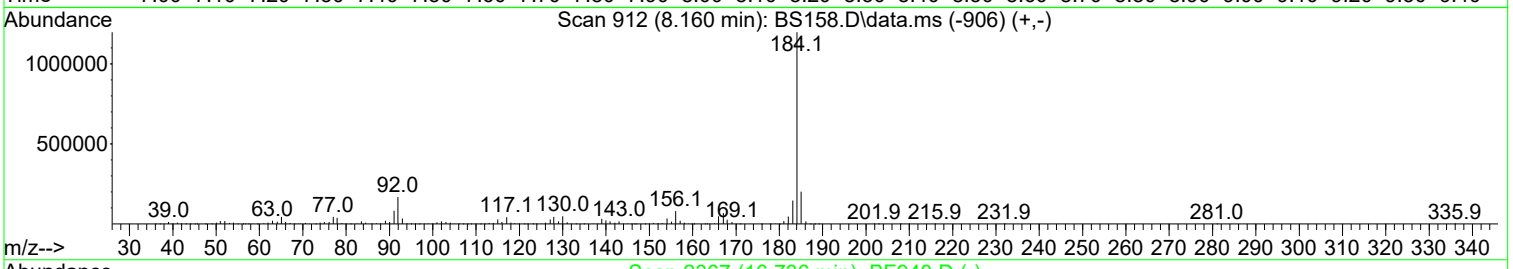
06/28/19

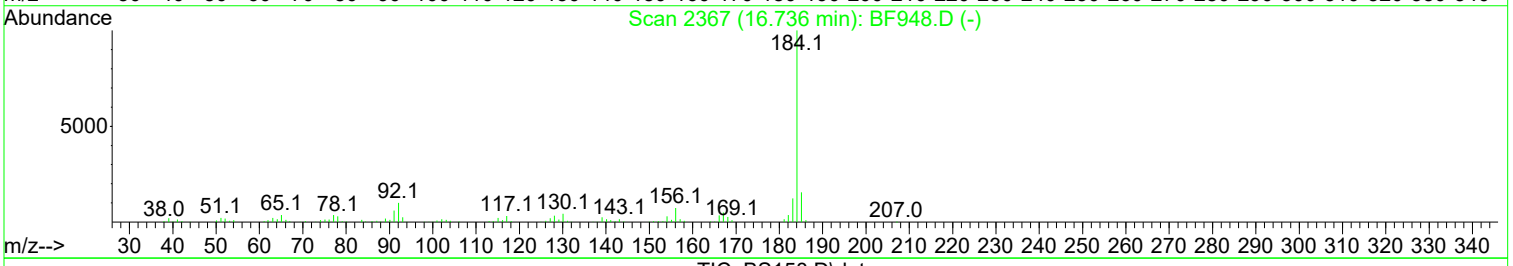
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS158.D
Acq On : 27 Jun 2019 8:46 am
Operator : J.Misiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 28 10:11:53 2019
Quant Method : I:\ACQUDATA\5973D\Methods\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Fri Jun 28 10:11:34 2019
Response via : Initial Calibration







TIC: BS158.D\data.ms

(8) Benzidine (T)

8.160min (0.000) 50.00 ppm

response 1061045

Ion	Exp%	Act%
184.10	100.00	100.00
185.10	14.80	16.89
92.10	10.10	13.97
0.00	0.00	0.00

Manual Integration:

After

Other - Tailing

06/28/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS158.D
Acq On : 27 Jun 2019 8:46 am
Operator : J.Misiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 28 10:11:53 2019
Quant Method : I:\ACQUDATA\5973D\Methods\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Fri Jun 28 10:11:34 2019
Response via : Initial Calibration

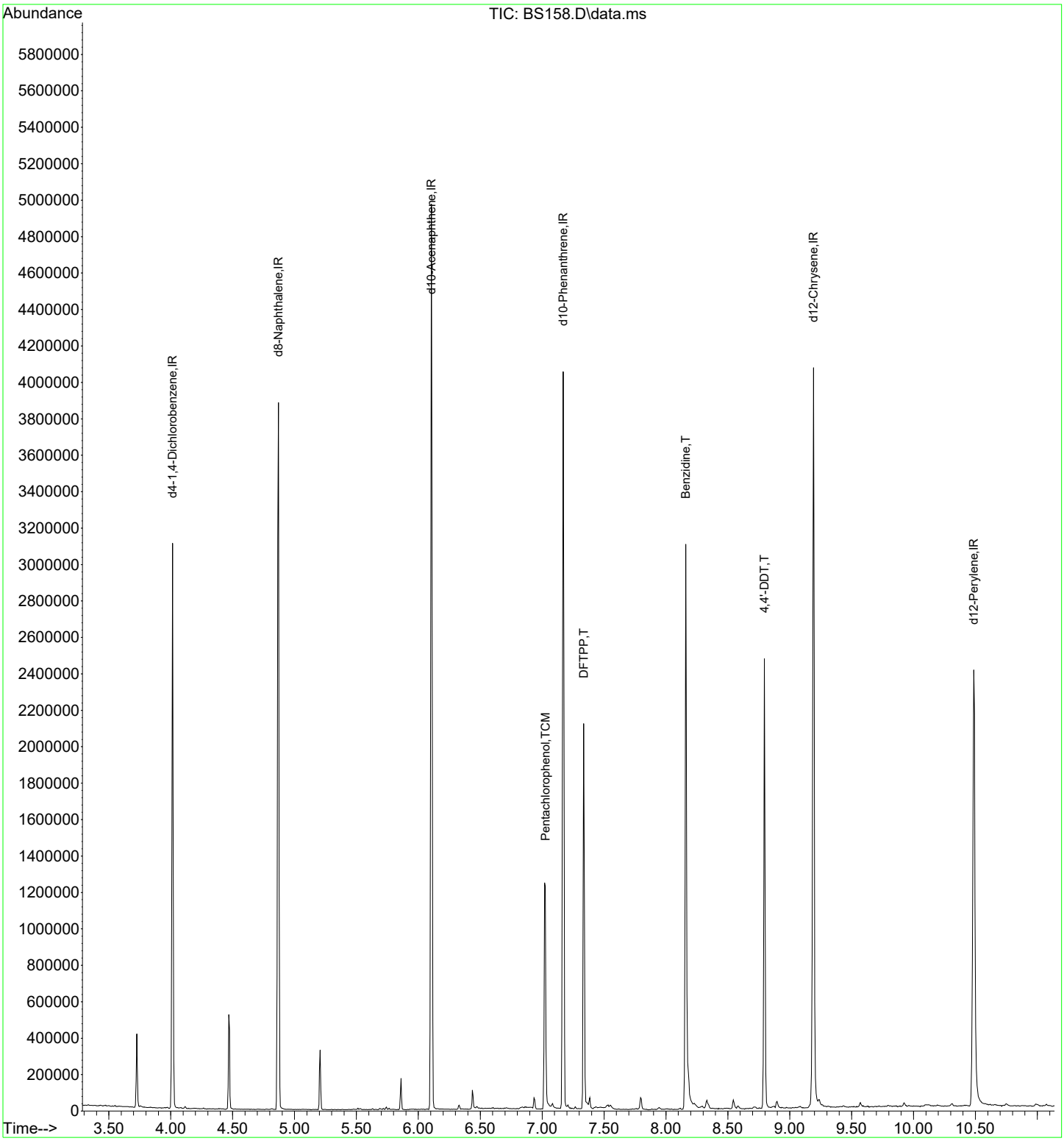
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.014	152	400019	40.00	ppm		0.00
2) d8-Naphthalene	4.870	136	1488873	40.00	ppm		0.00
3) d10-Acenaphthene	6.106	164	789898	40.00	ppm		0.00
4) d10-Phenanthrene	7.170	188	1146445	40.00	ppm		0.00
7) d12-Chrysene	9.192	240	1098546	40.00	ppm		0.00
12) d12-Perylene	10.486	264	921844	40.00	ppm		0.00
Target Compounds							Qvalue
5) Pentachlorophenol	7.026	266	129281	50.000	ppm		99
6) DFTPP	7.336	198	180588	50.000	ppm	#	52
8) Benzidine	8.160	184	1061045	50.000	ppm		93
9) 4,4'-DDE	7.336	246	2639	N.D.			
10) 4,4'-DDD	8.561	235	683	N.D.			
11) 4,4'-DDT	8.796	235	313526	50.000	ppm		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st 07/01/19
2nd 07/01/19

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS158.D
Acq On : 27 Jun 2019 8:46 am
Operator : J.Misiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 28 10:11:53 2019
Quant Method : I:\ACQUDATA\5973D\Methods\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Fri Jun 28 10:11:34 2019
Response via : Initial Calibration

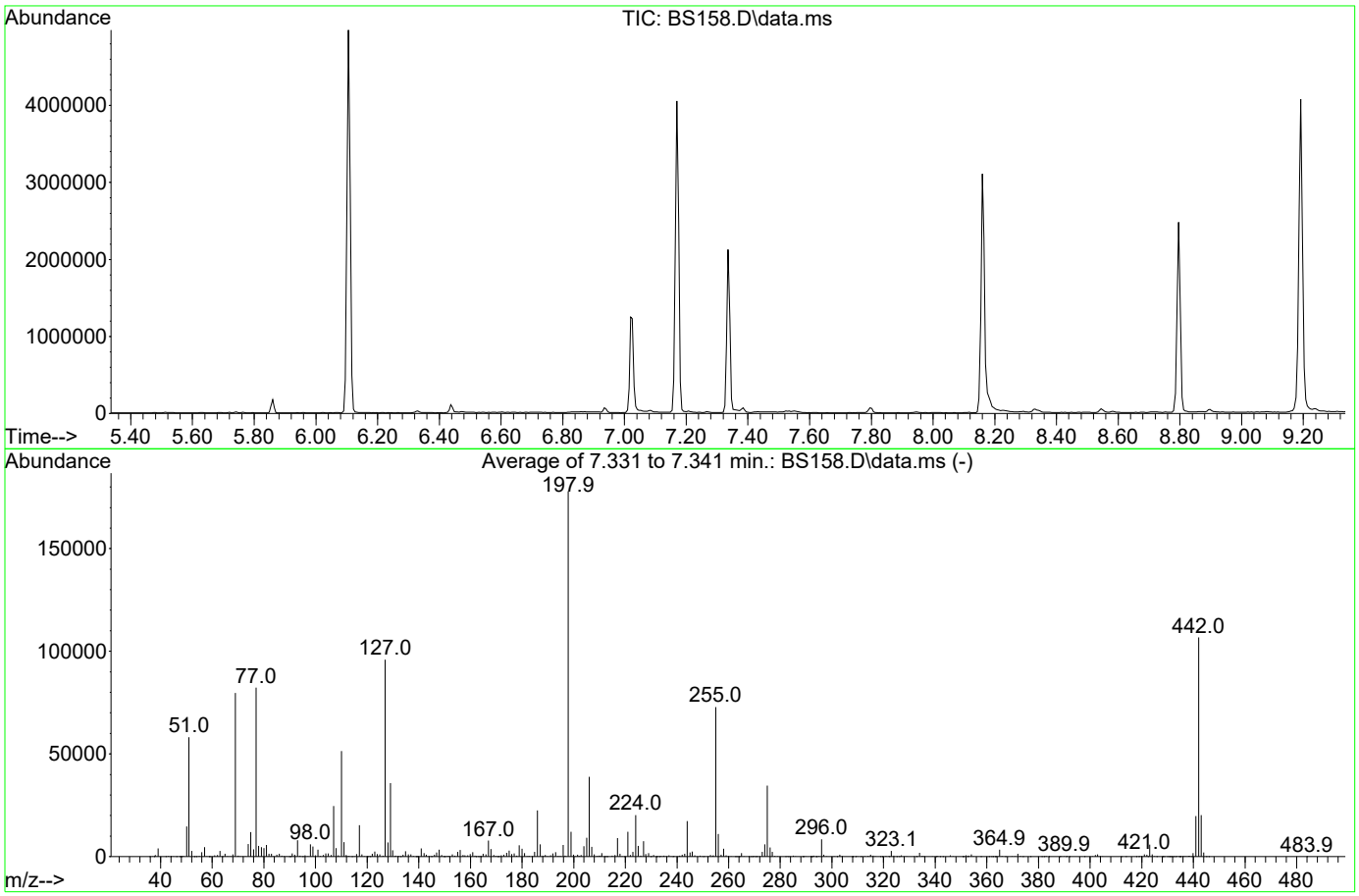


1st 07/01/19
2nd 07/01/19

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS158.D
Acq On : 27 Jun 2019 8:46 am
Operator : J.Misiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\5973D\Methods\TUNCHECK.M
Title : TUNE CHECK
Last Update : Wed Sep 19 10:00:53 2018



AutoFind: Scans 757, 758, 759; Background Corrected with Scan 752

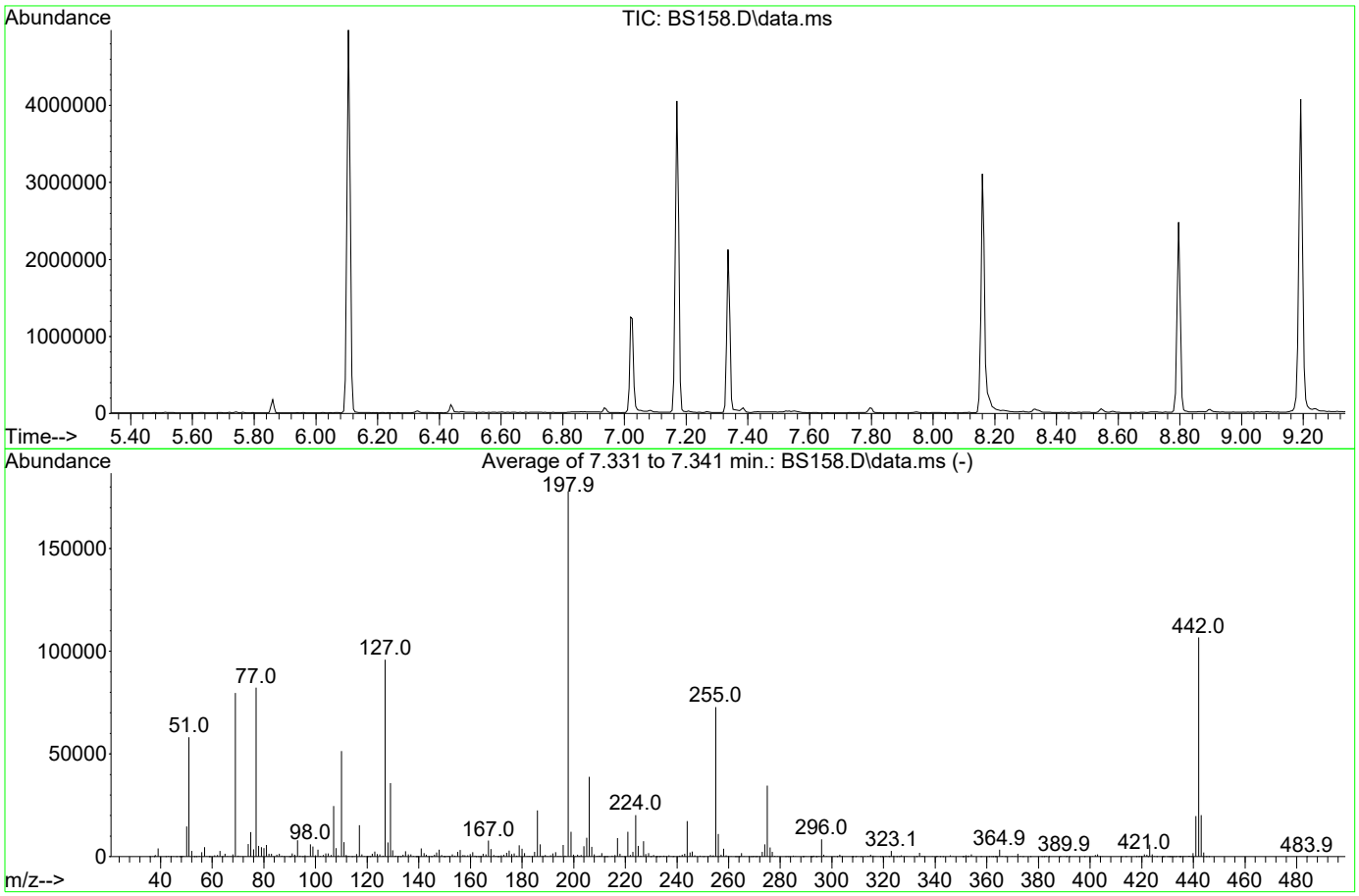
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	32.7	58080	PASS
68	69	0.00	2	1.4	1083	PASS
69	198	0.00	100	44.8	79633	PASS
70	69	0.00	2	0.7	525	PASS
127	198	40	60	53.9	95875	PASS
197	198	0.00	1	0.2	423	PASS
198	198	100	100	100.0	177867	PASS
199	198	5	9	6.8	12153	PASS
275	198	10	30	19.5	34635	PASS
365	198	1	500	1.9	3436	PASS
441	443	0.01	100	97.8	19749	PASS
442	198	50	500	60.0	106739	PASS
443	442	17	23	18.9	20184	PASS

1st 07/01/19
2nd 07/01/19

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS158.D
Acq On : 27 Jun 2019 8:46 am
Operator : J.Misiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\5973D\Methods\TUNED.M
Title : TUNE CHECK
Last Update : Fri Jun 28 10:11:34 2019



AutoFind: Scans 757, 758, 759; Background Corrected with Scan 752

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	32.7	58080	PASS
68	69	0.00	2	1.4	1083	PASS
69	198	0.00	100	44.8	79633	PASS
70	69	0.00	2	0.7	525	PASS
127	198	10	80	53.9	95875	PASS
197	198	0.00	2	0.2	423	PASS
198	198	100	100	100.0	177867	PASS
199	198	5	9	6.8	12153	PASS
275	198	10	60	19.5	34635	PASS
365	198	1	500	1.9	3436	PASS
441	442	0.01	24	18.5	19749	PASS
442	442	100	100	100.0	106739	PASS
443	442	15	24	18.9	20184	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS159.D
Acq On : 27 Jun 2019 3:34 pm
Operator : J.Misiurewicz
Sample : BLK
Misc : Initial Calibration 8270D/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 28 10:53:47 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 10:37:35 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.688	152	312107	40.00	ppm	0.00
33) d8-Naphthalene	5.849	136	1175490	40.00	ppm	0.00
57) d10-Acenaphthene	7.550	164	610045	40.00	ppm	0.00
91) d10-Phenanthrene	9.015	188	797416	40.00	ppm	0.00
117) d12-Chrysene	12.230	240	749924	40.00	ppm	-0.01
135) d12-Perylene	15.118	264	699013	40.00	ppm	0.00
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	0.000	112	0	0.00	ppm	
Spiked Amount 200.000	Range 10 - 70		Recovery =	0.00%#		
12) SURR2,PHENOL-D6	0.000	99	0	0.00	ppm	
Spiked Amount 200.000	Range 10 - 107		Recovery =	0.00%#		
34) SURR4,NITROBENZENE-D5	5.330	82	113	0.01	ppm	0.15
Spiked Amount 100.000	Range 31 - 110		Recovery =	0.01%#		
63) SURR5,2-FLUOROBIPHENYL	0.000	172	0	0.00	ppm	
Spiked Amount 100.000	Range 31 - 118		Recovery =	0.00%#		
88) SURR3,2,4,6-TRIBROMOPH...	0.000	330	0	0.00	ppm	
Spiked Amount 200.000	Range 35 - 141		Recovery =	0.00%#		
124) SURR6,TERPHENYL-D14	10.689	244	2595	0.17	ppm	0.00
Spiked Amount 100.000	Range 10 - 165		Recovery =	0.17%#		

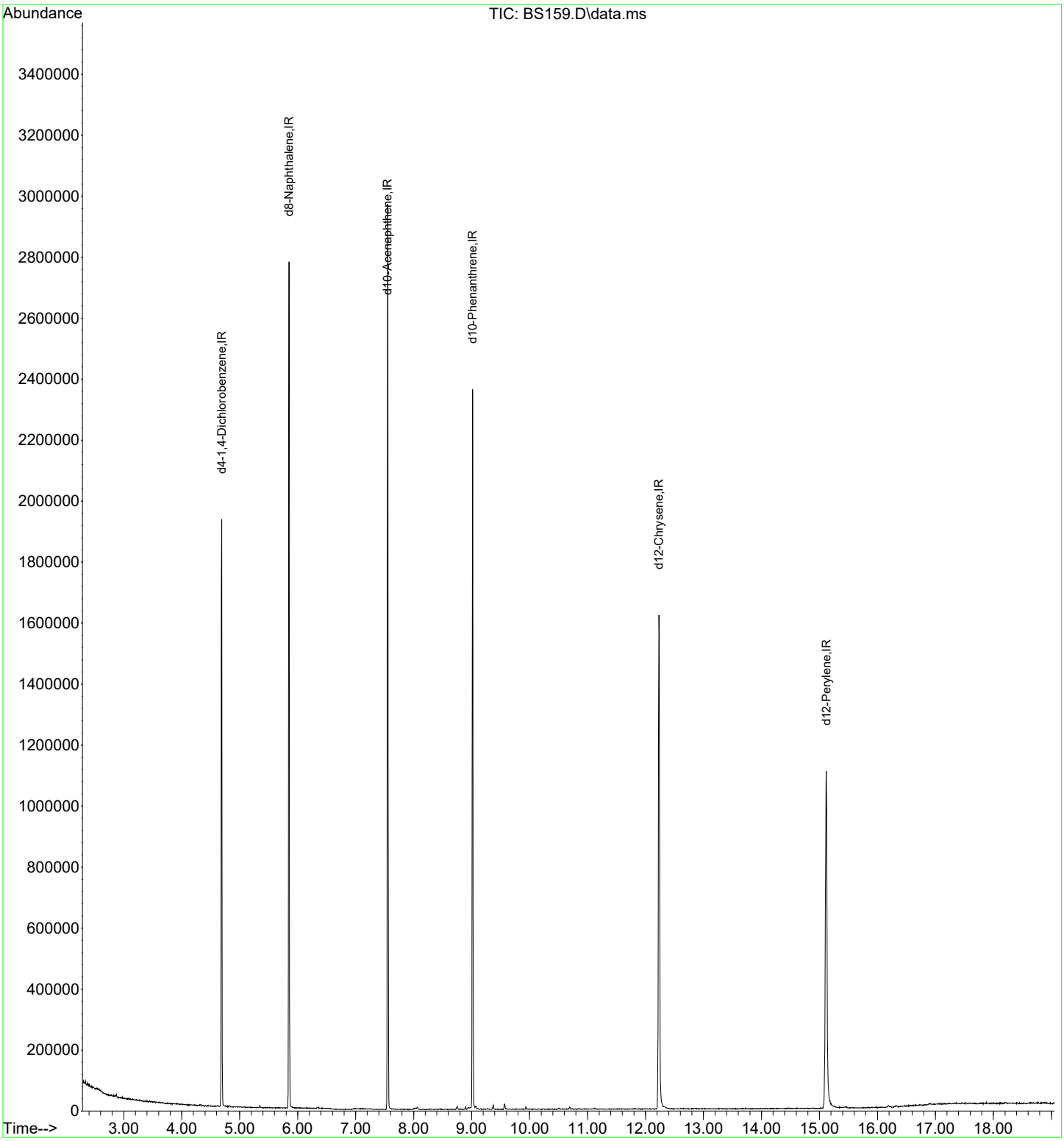
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS159.D
Acq On : 27 Jun 2019 3:34 pm
Operator : J.Misiurewicz
Sample : BLK
Misc : Initial Calibration 8270D/625
ALS Vial : 3 Sample Multiplier: 1

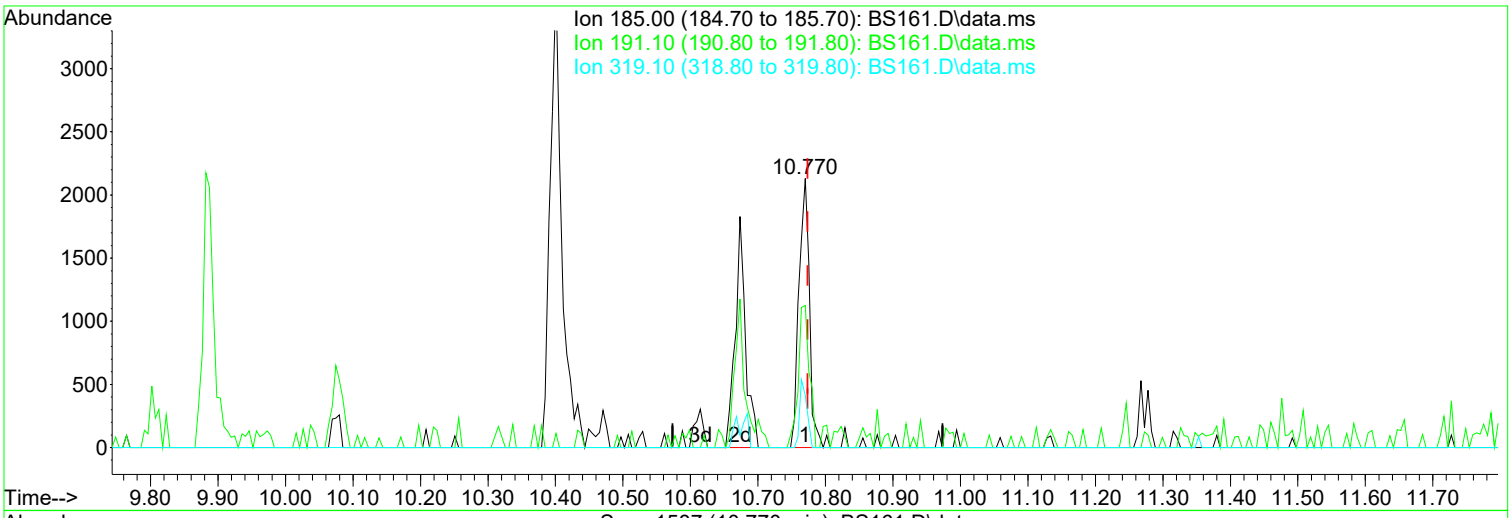
Quant Time: Jun 28 10:53:47 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 10:37:35 2019
Response via : Initial Calibration

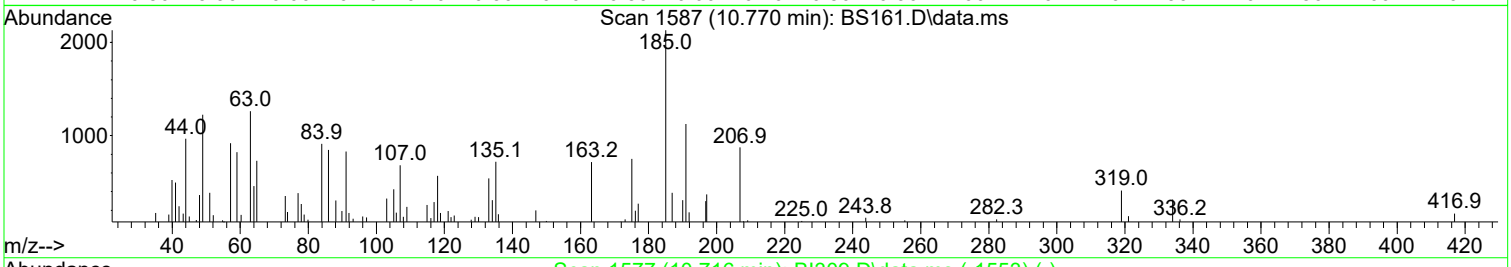


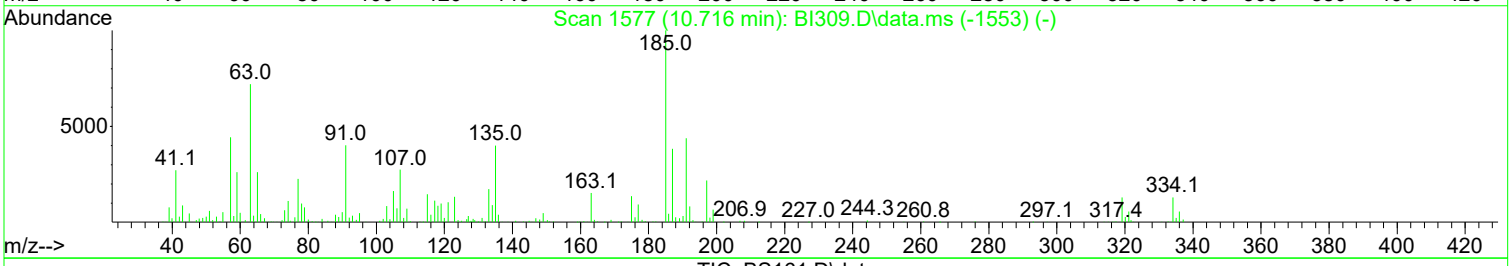
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS161.D
Acq On : 27 Jun 2019 4:29 pm
Operator : J.Misiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 28 10:22:20 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration







TIC: BS161.D\data.ms

(125) Aramite (TM)

10.770min (-0.004) 1.53 ppm m

response 4396

Ion	Exp%	Act%
185.00	100.00	100.00
191.10	40.80	52.82
319.10	11.90	19.34
0.00	0.00	0.00

Manual Integration:

After

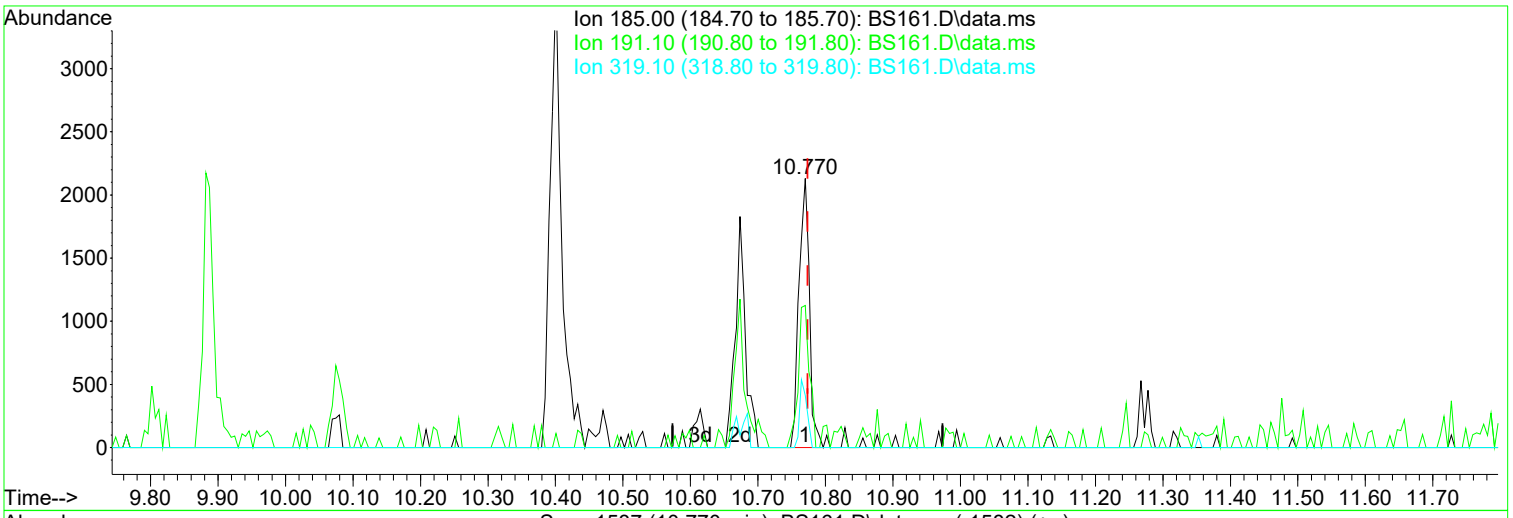
Split Peak.

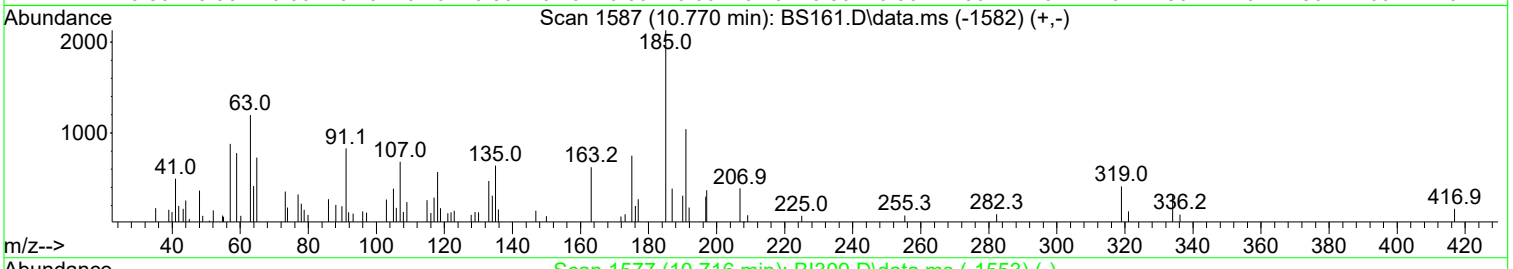
06/28/19

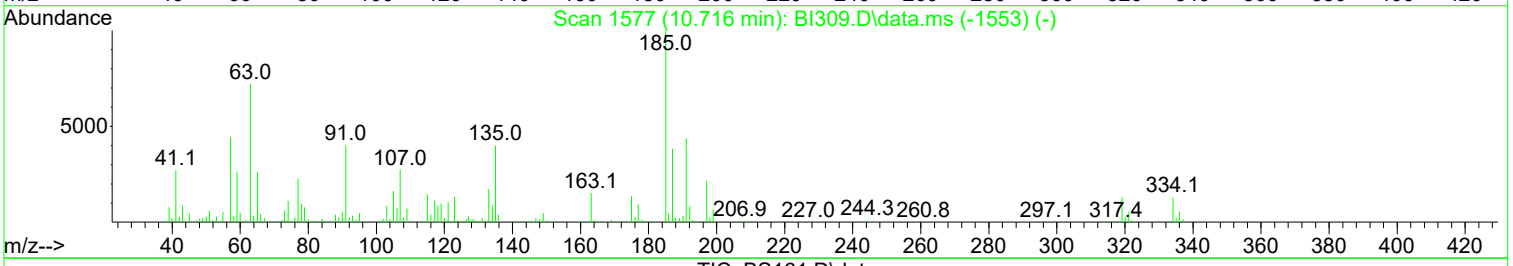
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS161.D
Acq On : 27 Jun 2019 4:29 pm
Operator : J.Misiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 28 10:22:20 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration







TIC: BS161.D\data.ms

(125) Aramite (TM)

10.770min (-0.004) 0.80 ppm

response 2284

Ion	Exp%	Act%
185.00	100.00	100.00
191.10	40.80	48.87
319.10	11.90	19.34
0.00	0.00	0.00

Manual Integration:

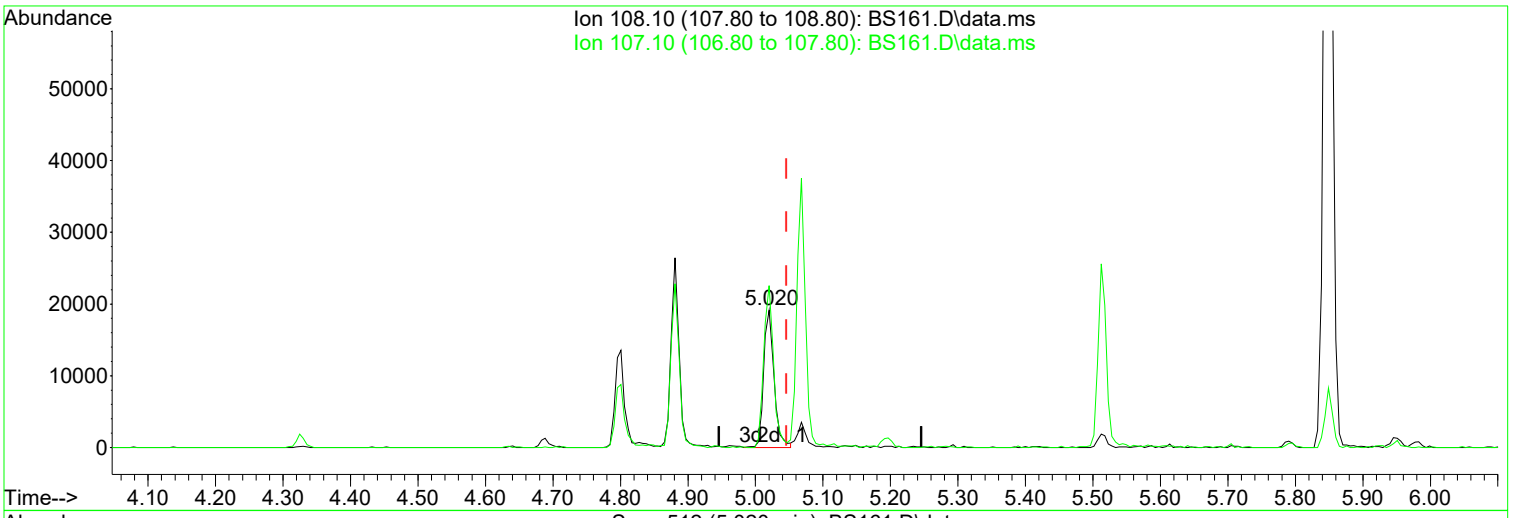
Before

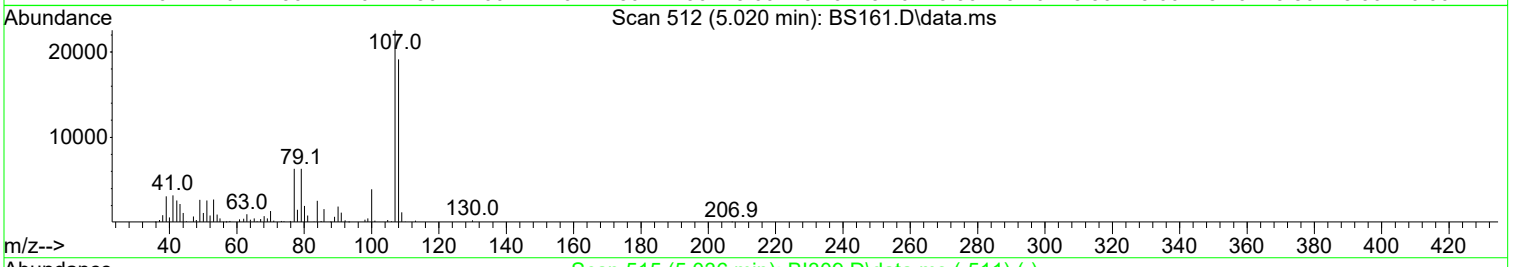
06/28/19

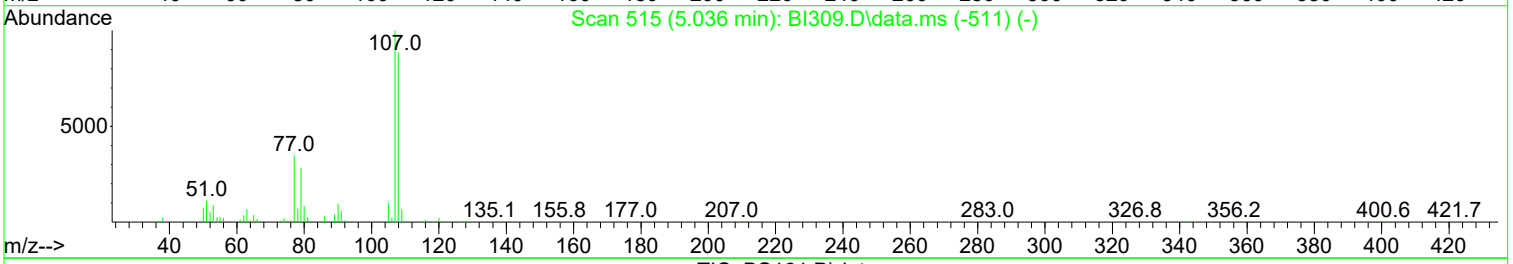
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS161.D
Acq On : 27 Jun 2019 4:29 pm
Operator : J.Misiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 28 10:22:20 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration







TIC: BS161.D\data.ms

(24) 3+4-Methylphenol (TM)

5.020min (-0.026) 2.06 ppm m

response 20391

Ion	Exp%	Act%
108.10	100.00	100.00
107.10	83.50	117.80#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

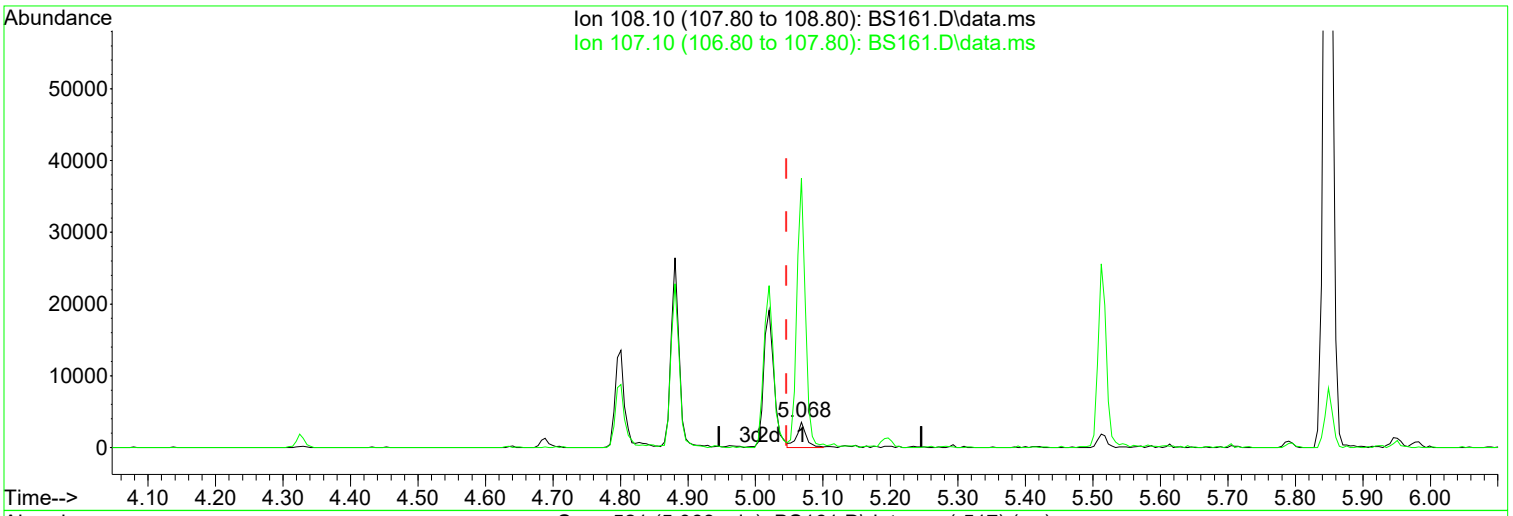
Peak not found.

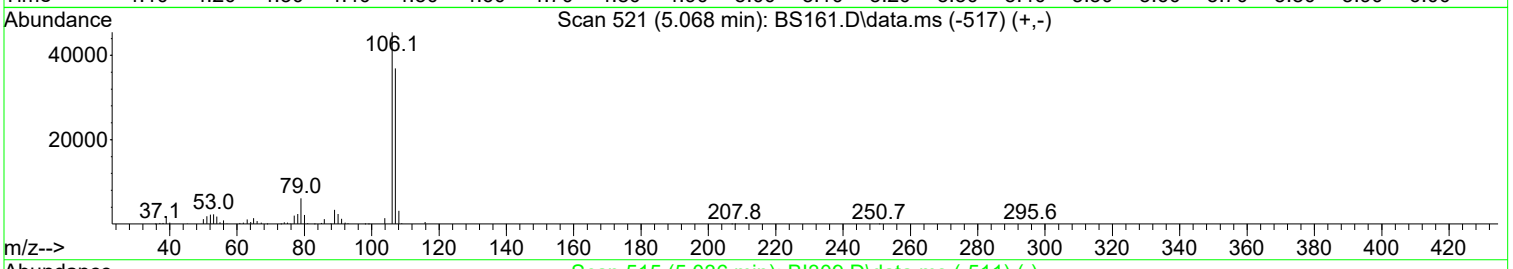
06/28/19

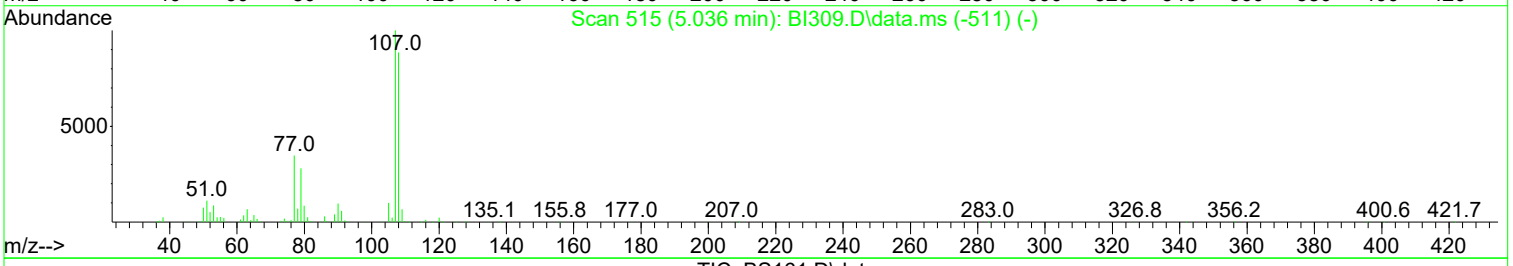
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS161.D
Acq On : 27 Jun 2019 4:29 pm
Operator : J.Misiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 28 10:22:20 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration







TIC: BS161.D\data.ms

(24) 3+4-Methylphenol (TM)

5.068min (+ 0.022) 0.35 ppm

response 3419

Ion	Exp%	Act%
108.10	100.00	100.00
107.10	83.50	1165.06#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

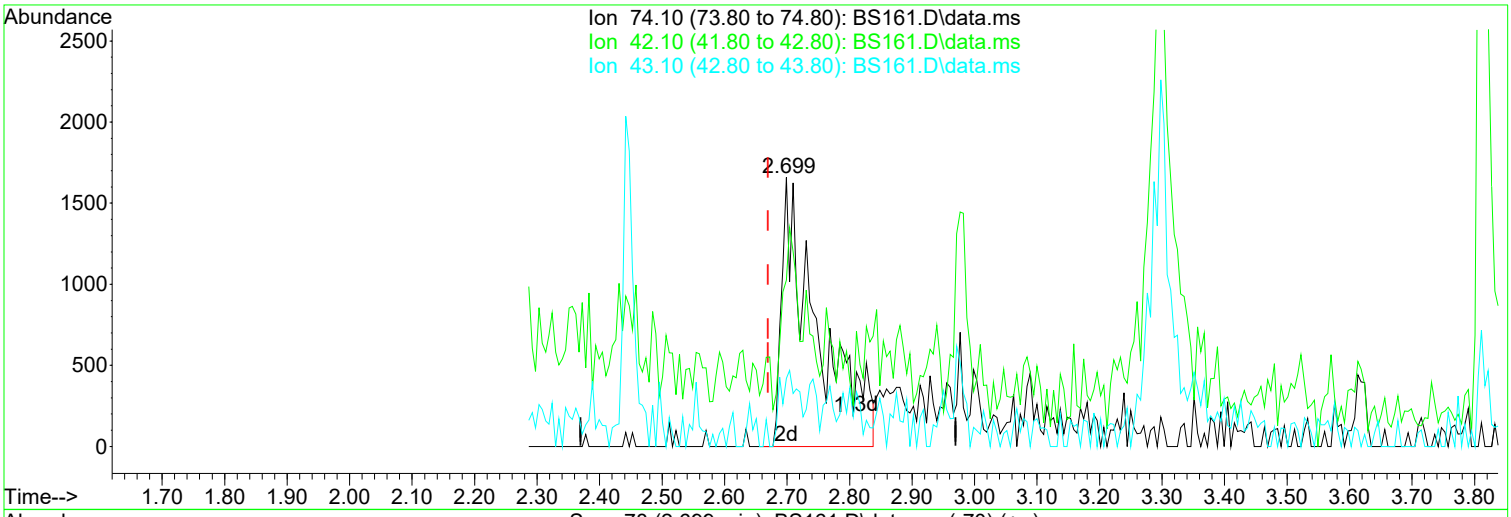
Before

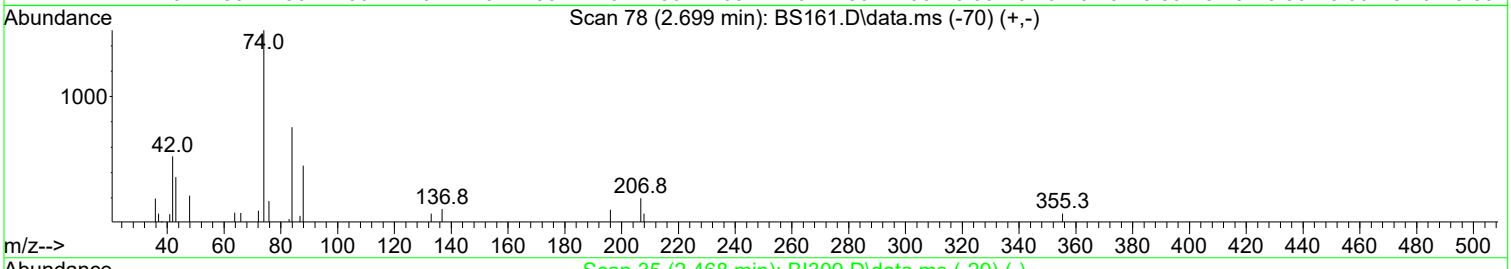
06/28/19

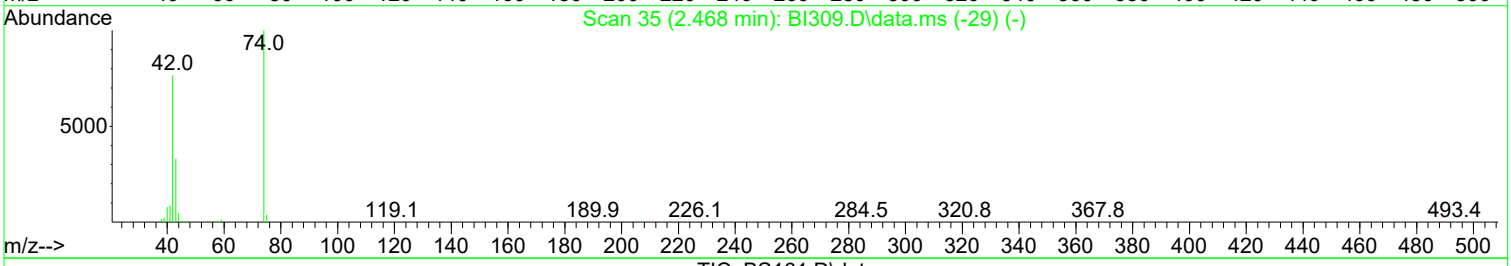
1st 07/01/19
2nd 07/01/19

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS161.D
Acq On : 27 Jun 2019 4:29 pm
Operator : J.Misiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 28 10:22:20 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration







TIC: BS161.D\data.ms

(3) N-Nitrosodimethylamine (TM)

2.699min (+ 0.029) 3.31 ppm m

response 6516

Ion	Exp%	Act%
74.10	100.00	100.00
42.10	49.60	61.82
43.10	21.70	25.33
0.00	0.00	0.00

Manual Integration:

After

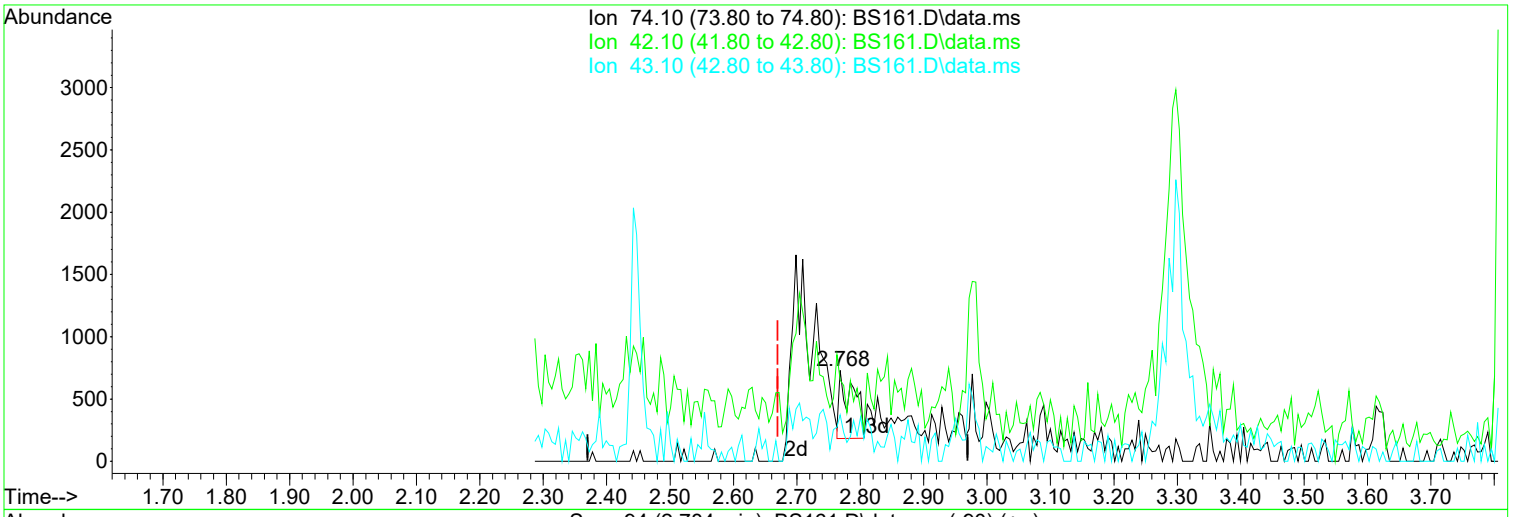
Peak not found.

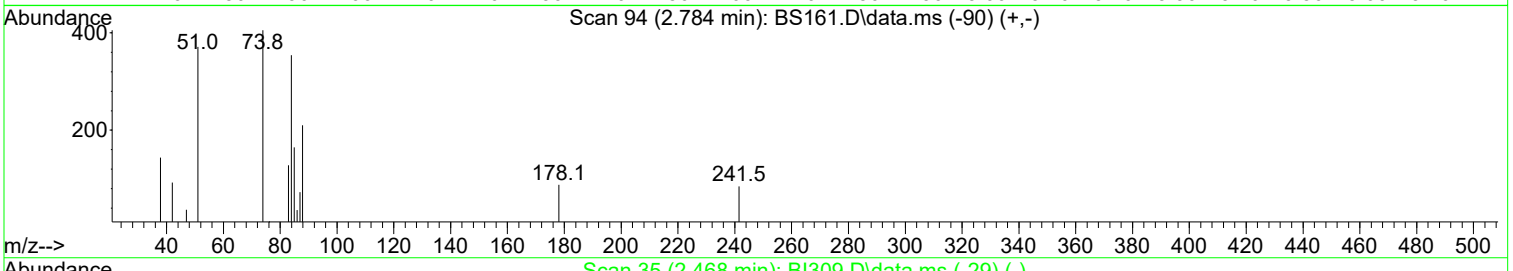
06/28/19

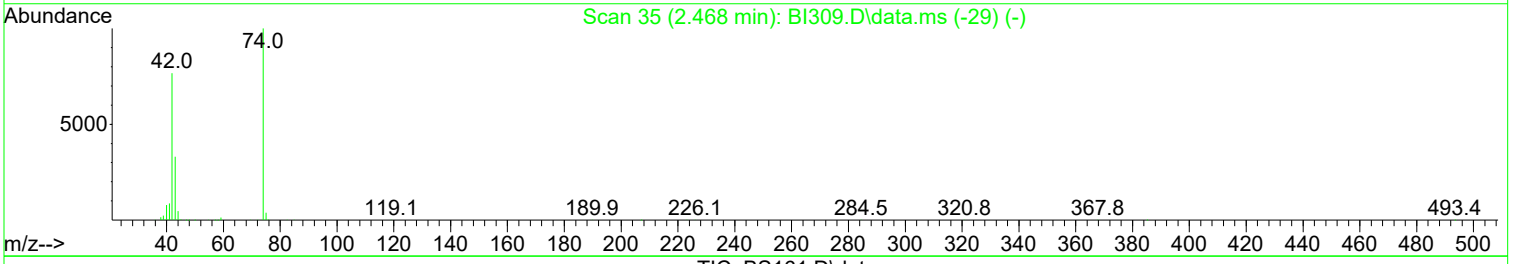
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS161.D
Acq On : 27 Jun 2019 4:29 pm
Operator : J.Misiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 28 10:22:20 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration







TIC: BS161.D\data.ms

(3) N-Nitrosodimethylamine (TM)

2.784min (+ 0.114) 2.26 ppm

response 842

Ion	Exp%	Act%
74.10	100.00	100.00
42.10	49.60	27.15
43.10	21.70	0.00
0.00	0.00	0.00

Manual Integration:

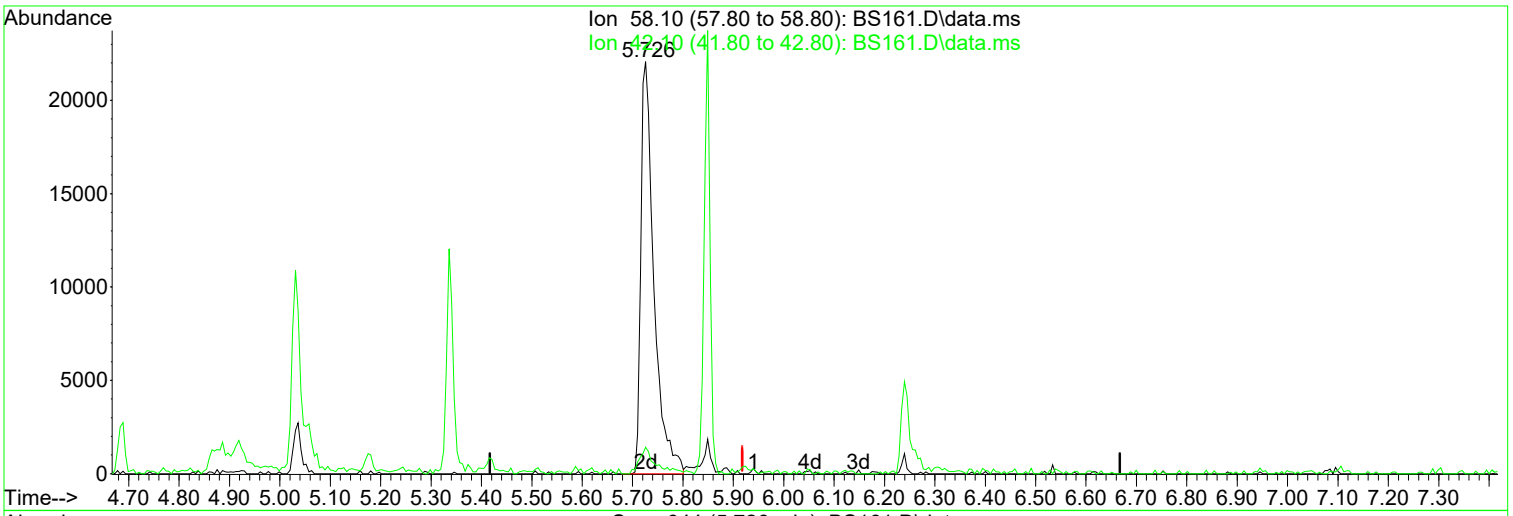
Before

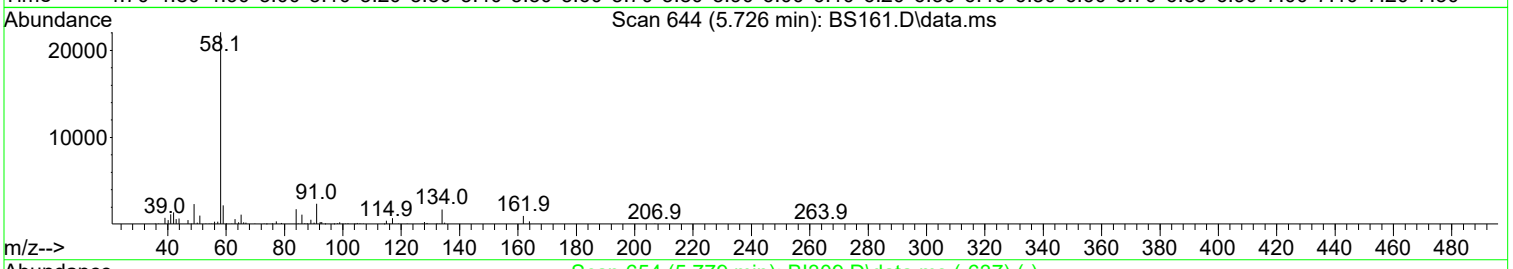
06/28/19

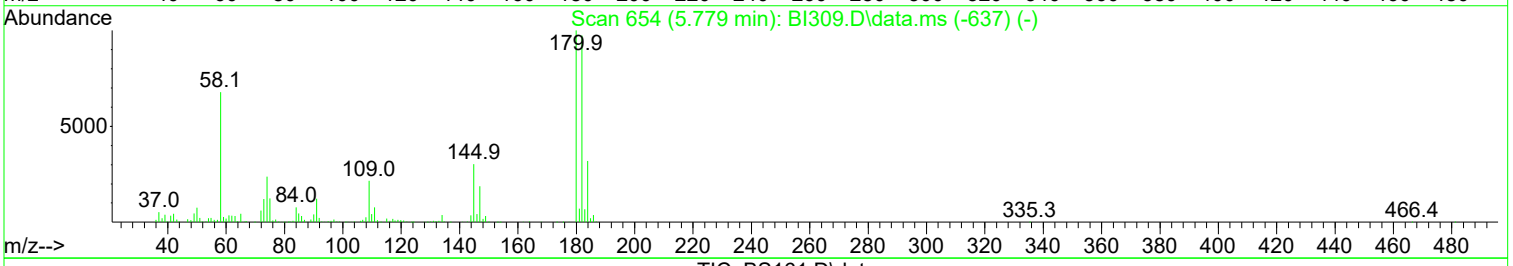
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS161.D
Acq On : 27 Jun 2019 4:29 pm
Operator : J.Misiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 28 10:22:20 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration







TIC: BS161.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.726min (-0.192) 1.89 ppm m

response 39930

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	5.50	6.42
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

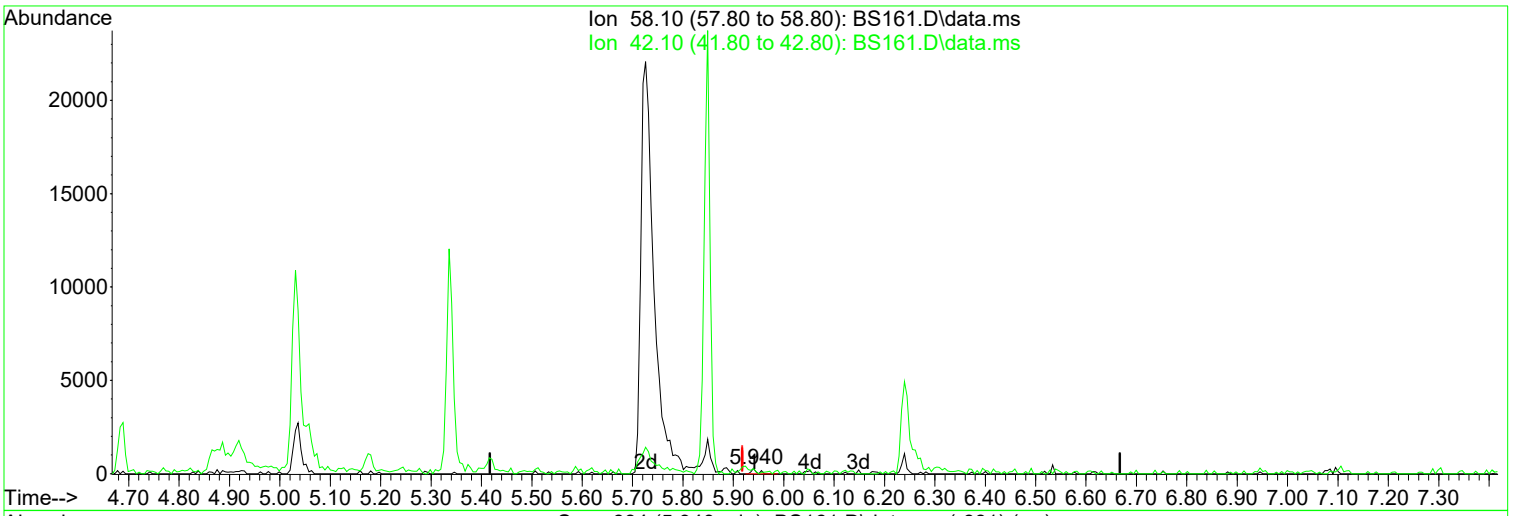
Peak not found.

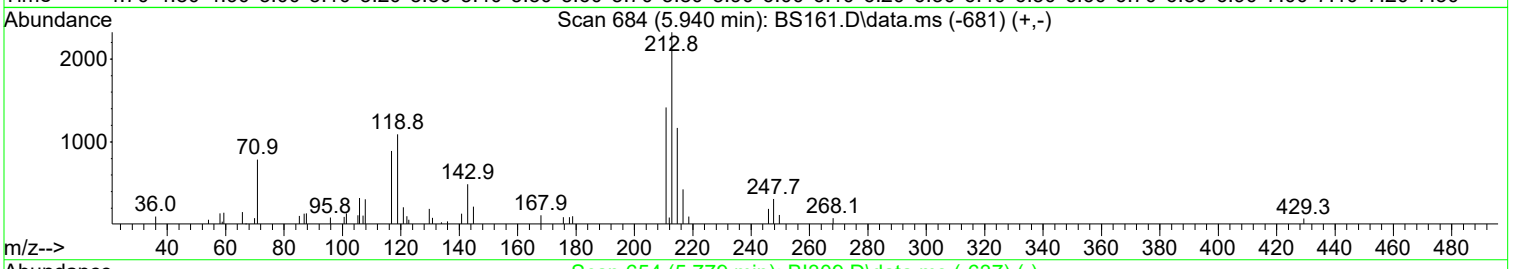
06/28/19

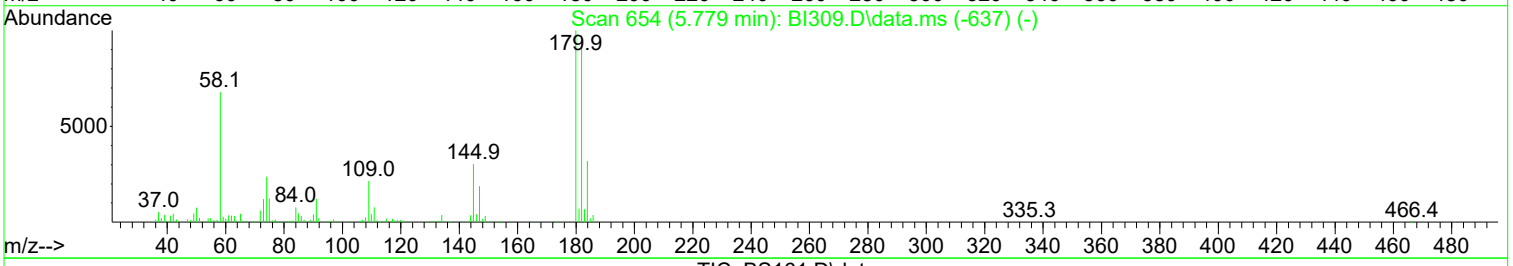
1st 07/01/19
2nd 07/01/19

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS161.D
Acq On : 27 Jun 2019 4:29 pm
Operator : J.Misiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 28 10:22:20 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration







TIC: BS161.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.940min (+ 0.022) 0.01 ppm

response 200

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	5.50	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

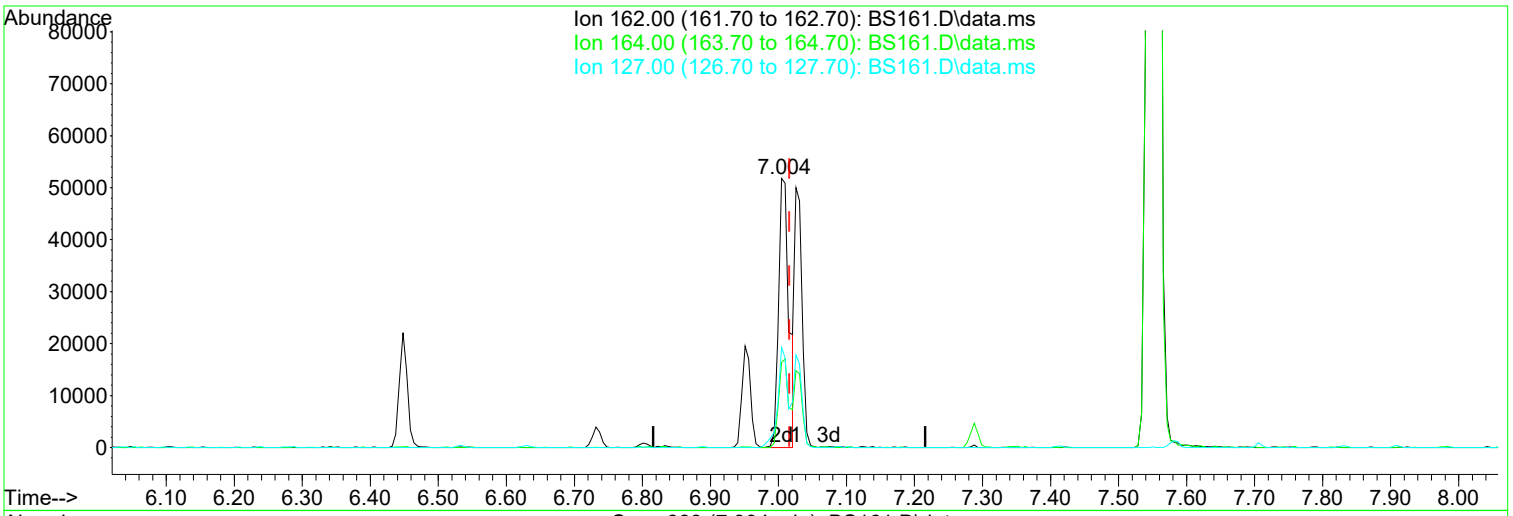
Before

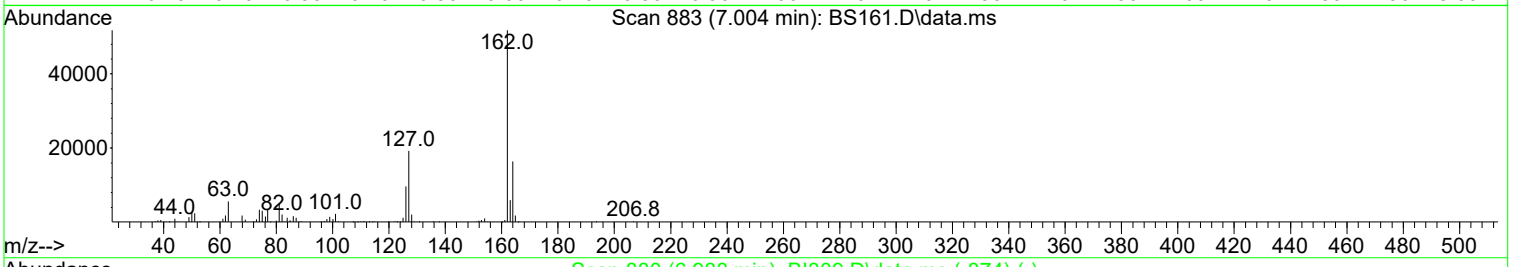
06/28/19

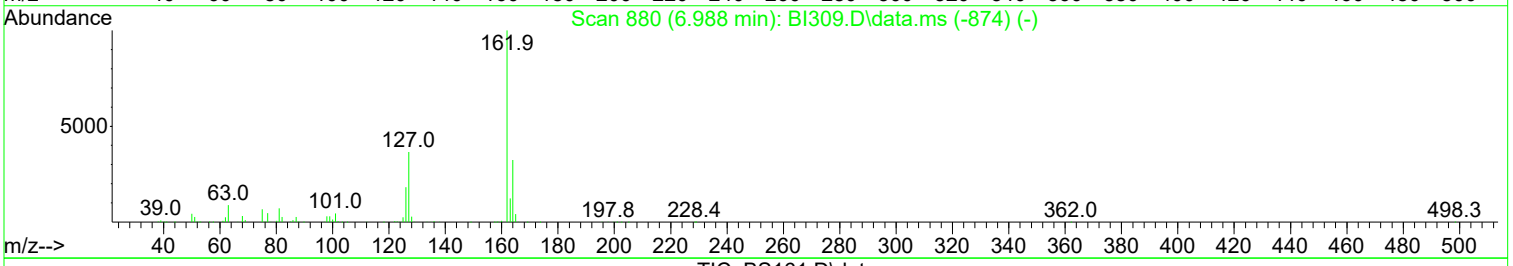
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS161.D
Acq On : 27 Jun 2019 4:29 pm
Operator : J.Misiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 28 10:22:20 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration







TIC: BS161.D\data.ms

(66) 2-Chloronaphthalene (TM)

7.004min (-0.012) 2.55 ppm m

response 54919

Ion	Exp%	Act%
162.00	100.00	100.00
164.00	33.80	31.68
127.00	34.80	37.21
0.00	0.00	0.00

Manual Integration:

After

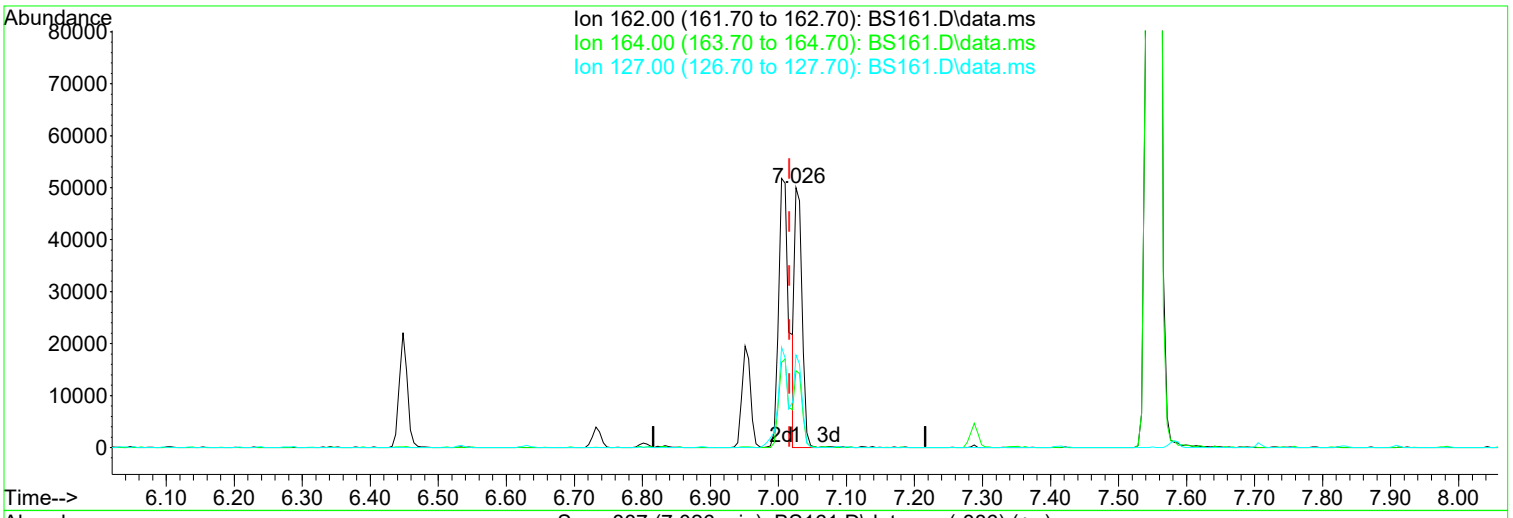
Wrong peak selected.

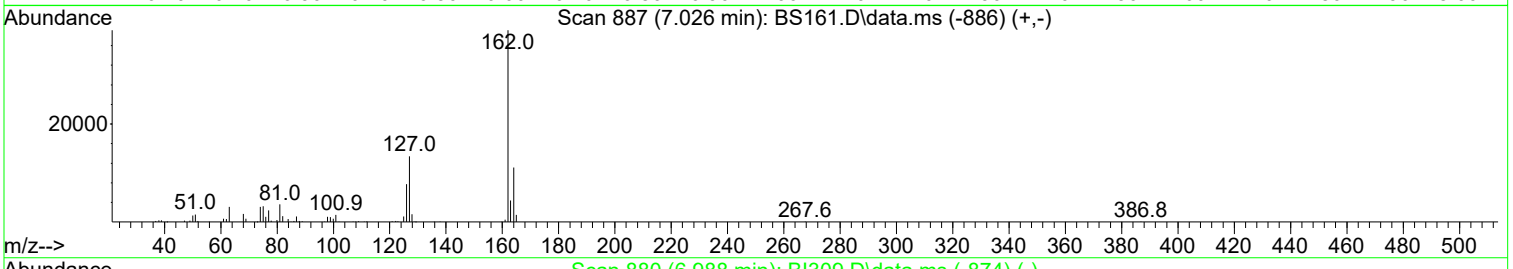
06/28/19

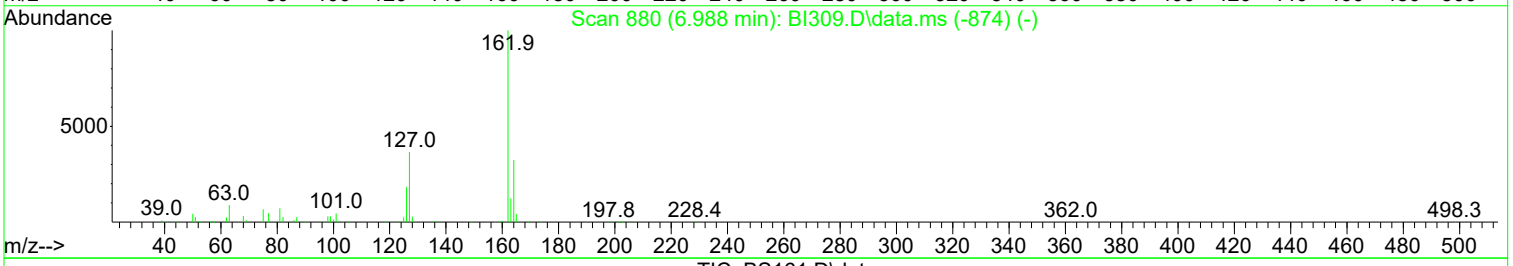
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS161.D
Acq On : 27 Jun 2019 4:29 pm
Operator : J.Misiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 28 10:22:20 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration







TIC: BS161.D\data.ms

(66) 2-Chloronaphthalene (TM)

7.026min (+ 0.010) 1.77 ppm

response 38250

Ion	Exp%	Act%
162.00	100.00	100.00
164.00	33.80	28.46
127.00	34.80	34.37
0.00	0.00	0.00

Manual Integration:

Before

06/28/19

1st DM 07/01/19
2nd MP 07/01/19

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS161.D
Acq On : 27 Jun 2019 4:29 pm
Operator : J.Misiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 28 10:22:20 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.688	152	332277	40.00	ppm		0.00
33) d8-Naphthalene	5.849	136	1252097	40.00	ppm		0.00
57) d10-Acenaphthene	7.550	164	662864	40.00	ppm		0.00
91) d10-Phenanthrene	9.015	188	912181	40.00	ppm		0.00
117) d12-Chrysene	12.230	240	823258	40.00	ppm		-0.02
135) d12-Perylene	15.113	264	808336	40.00	ppm		-0.01
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.619	112	22501	2.13	ppm		0.00
Spiked Amount 200.000	Range 10 - 70		Recovery =	1.06%#			
12) SURR2,PHENOL-D6	4.341	99	28558	2.15	ppm		-0.01
Spiked Amount 200.000	Range 10 - 107		Recovery =	1.08%#			
34) SURR4,NITROBENZENE-D5	5.175	82	17870	1.91	ppm		0.00
Spiked Amount 100.000	Range 31 - 110		Recovery =	1.91%#			
63) SURR5,2-FLUOROBIPHENYL	6.892	172	52581	2.47	ppm		0.00
Spiked Amount 100.000	Range 31 - 118		Recovery =	2.47%#			
88) SURR3,2,4,6-TRIBROMOPH...	8.326	330	2895	1.32	ppm		0.00
Spiked Amount 200.000	Range 35 - 141		Recovery =	0.66%#			
124) SURR6,TERPHENYL-D14	10.690	244	41199	2.50	ppm		0.00
Spiked Amount 100.000	Range 10 - 165		Recovery =	2.50%#			
Target Compounds							Qvalue
2) Pyridine	2.720	79	21431	2.081	ppm		89
3) N-Nitrosodimethylamine	2.699	74	6516m	3.311	ppm		
4) 2-Picoline	3.234	93	25878	2.174	ppm		91
5) N-Nitrosomethylamine	3.298	42	8684	2.425	ppm		88
6) Methyl Methansulfonate	3.512	80	12223	2.257	ppm		87
8) N-Nitrosodiethylamine	3.811	102	11427	2.280	ppm		90
9) Ethyl Mathanesulfonate	4.041	79	19063	2.327	ppm		84
10) Benzaldehyde	4.325	106	21374	2.582	ppm		97
11) Aniline	4.405	93	37833	2.296	ppm		94
13) Phenol	4.351	94	28517	2.154	ppm		99
14) bis(2-Clethyl)Ether	4.453	93	22122	2.220	ppm		95
15) Pentachloroethane	4.453	117	9804	2.382	ppm		94
16) 2-Chlorophenol	4.501	128	23001	2.101	ppm		93
17) 1,3-Diclbenzene	4.640	146	30027	2.508	ppm		95
18) 1,4-Dichlorobenzene	4.699	146	30275	2.472	ppm		98
19) 1,2-Diclbenzene	4.838	146	29244	2.537	ppm		97
20) Benzyl Alcohol	4.795	79	15551	2.007	ppm		89
21) 1-Methyl-2-pyrrolidinone	4.870	99	12781	1.934	ppm	#	81
22) 2,2'-oxybis(1-Chloropr...	4.918	45	30832	2.544	ppm		93
23) 2-Methylphenol	4.881	108	21559	2.205	ppm		96
24) 3+4-Methylphenol	5.020	108	20391m	2.063	ppm		
25) Acetophenone	5.036	105	35352	2.488	ppm		88
26) N-Nitroso-Di-n-propyla...	5.031	70	16675	2.363	ppm		92
27) N-Nitrosopyrrolidine	5.031	100	11537	2.188	ppm		63
28) N-Nitrosomorpholine	5.058	56	11304	2.313	ppm		96
29) o-Toluidine	5.068	106	40613	2.395	ppm		77
30) Hexachloroethane	5.132	117	11316	2.378	ppm	#	79
31) o,o,o-Triethylphosphor...	5.587	198	8237	2.067	ppm		97
35) Nitrobenzene	5.197	77	18505	2.016	ppm		91
36) N-Nitrosopiperidine	5.336	42	11234	2.402	ppm		95
37) Isophorone	5.416	82	43243	2.343	ppm		96
38) 2-Nitrophenol	5.491	139	6134	1.245	ppm		96
39) Benzoic Acid	5.555	105	9039	1.537	ppm		98

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS161.D
Acq On : 27 Jun 2019 4:29 pm
Operator : J.Misiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 28 10:22:20 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40) 2,4-Dimethylphenol	5.512	107	22528	2.330	ppm		88
41) bis(-2-Chloroethoxy)Me...	5.614	93	29534	2.405	ppm		94
42) 2,4-Dichlorophenol	5.705	162	15595	1.960	ppm		96
43) a,a-Dimethylphenethyla...	5.726	58	39930m	1.893	ppm		
44) 1,2,4-Trichlorobenzene	5.790	180	22568	2.493	ppm		92
45) Naphthalene	5.870	128	80571	2.670	ppm		99
46) 4-Chloroaniline	5.924	127	31961	2.361	ppm		95
47) 2,6-Dichlorophenol	5.924	162	16105	2.025	ppm		97
48) Hexachlorobutadiene	5.983	225	10462	2.456	ppm		93
49) Hexachloropropene	5.951	213	9244	1.985	ppm		98
50) 4-Chloro-3-methylphenol	6.373	107	16670	2.201	ppm		90
51) N-N-di-n-butylamine	6.240	84	17207	2.527	ppm		96
52) Caprolactam	6.245	113	4422	1.526	ppm	#	27
53) p-Phenylenediamine	6.266	80	7036	2.151	ppm		90
54) Safrole	6.448	162	18475	2.437	ppm		95
55) 2-Methylnaphthalene	6.534	142	51802	2.557	ppm		97
56) 1-Methylnaphthalene	6.630	142	47417	2.517	ppm		96
58) Hexachlorocyclopentadiene	6.678	237	10652	2.153	ppm		98
59) 1,2,4,5-Tetrachloroben...	6.694	216	19963	2.349	ppm		96
60) 1,2,3,4-Tetrachloroben...	6.972	216	21615	2.499	ppm		91
61) 2,4,6-Trichlorophenol	6.801	196	9033	1.708	ppm		97
62) 2,4,5-Trichlorophenol	6.833	196	9949	1.796	ppm		90
64) Isosafrole	6.951	104	6947	2.218	ppm		90
65) 1,1'-Biphenyl	6.988	154	62282	2.549	ppm		95
66) 2-Chloronaphthalene	7.004	162	54919m	2.545	ppm		
67) 2-Nitroaniline	7.106	65	7706	1.548	ppm	#	80
68) 1,4-Naphthoquinone	7.186	158	15884	2.546	ppm		93
69) m-Dinitrobenzene	7.315	168	2826	3.271	ppm		79
70) Acenaphthylene	7.411	152	72510	2.487	ppm		96
71) Dimethyl phthalate	7.288	163	45718	2.376	ppm		96
72) 2,6-Dinitrotoluene	7.347	165	5603	2.834	ppm		95
73) Acenaphthene	7.582	153	47969	2.506	ppm		98
74) 3-Nitroaniline	7.507	138	7208	3.028	ppm		86
75) 2,4-Dinitrophenol	7.609	184	1740	3.850	ppm		89
76) Dibenzofuran	7.753	168	64468	2.586	ppm		95
77) 2,4-Dinitrotoluene	7.737	165	5547	3.626	ppm		92
78) 4-Nitrophenol	7.662	65	3588	1.150	ppm		86
79) Pentachlorobenzene	7.705	250	17268	2.599	ppm		95
80) 1-Napthylamine	7.833	143	43192	2.166	ppm		95
81) 2-Napthylamine	7.908	143	43020	2.156	ppm		95
82) 2,3,4,6-Tetrachlorophenol	7.871	232	6429	1.484	ppm		92
83) Fluorene	8.090	166	47570	2.428	ppm		94
84) 4-Chlorophenyl-phenyle...	8.090	204	22854	2.659	ppm		95
85) Diethylphthalate	7.978	149	38392	2.031	ppm		98
86) 4-Nitroaniline	8.106	138	7964	1.283	ppm		81
87) 5-Nitro-o-toluidine	8.101	152	6608	1.058	ppm		96
89) Sulfotepp	8.368	322	3106	1.548	ppm		89
90) Octachlorocyclopentene	8.342	307	3881	1.877	ppm		93
92) Thionazin	8.058	107	5041	1.921	ppm		93
93) 4,6-Dinitro-2-methylph...	8.138	198	2076	4.277	ppm		79
94) Diphenylamine	8.208	169	36771	2.476	ppm		99
95) 1,2 Diphenylhydrazine	8.245	77	47609	2.734	ppm		94
96) N-Nitrosodiphenylamine	8.208	169	36771	2.476	ppm		99
97) 1,3,5-Trinirobenzene	8.465	213	1229	3.977	ppm	#	21
98) Diallate	8.491	86	14376	2.427	ppm		99
99) Phorate	8.502	121	5432	1.729	ppm		97

1st DM 07/01/19
2nd MP 07/01/19

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS161.D
Acq On : 27 Jun 2019 4:29 pm
Operator : J.Misiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 28 10:22:20 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration

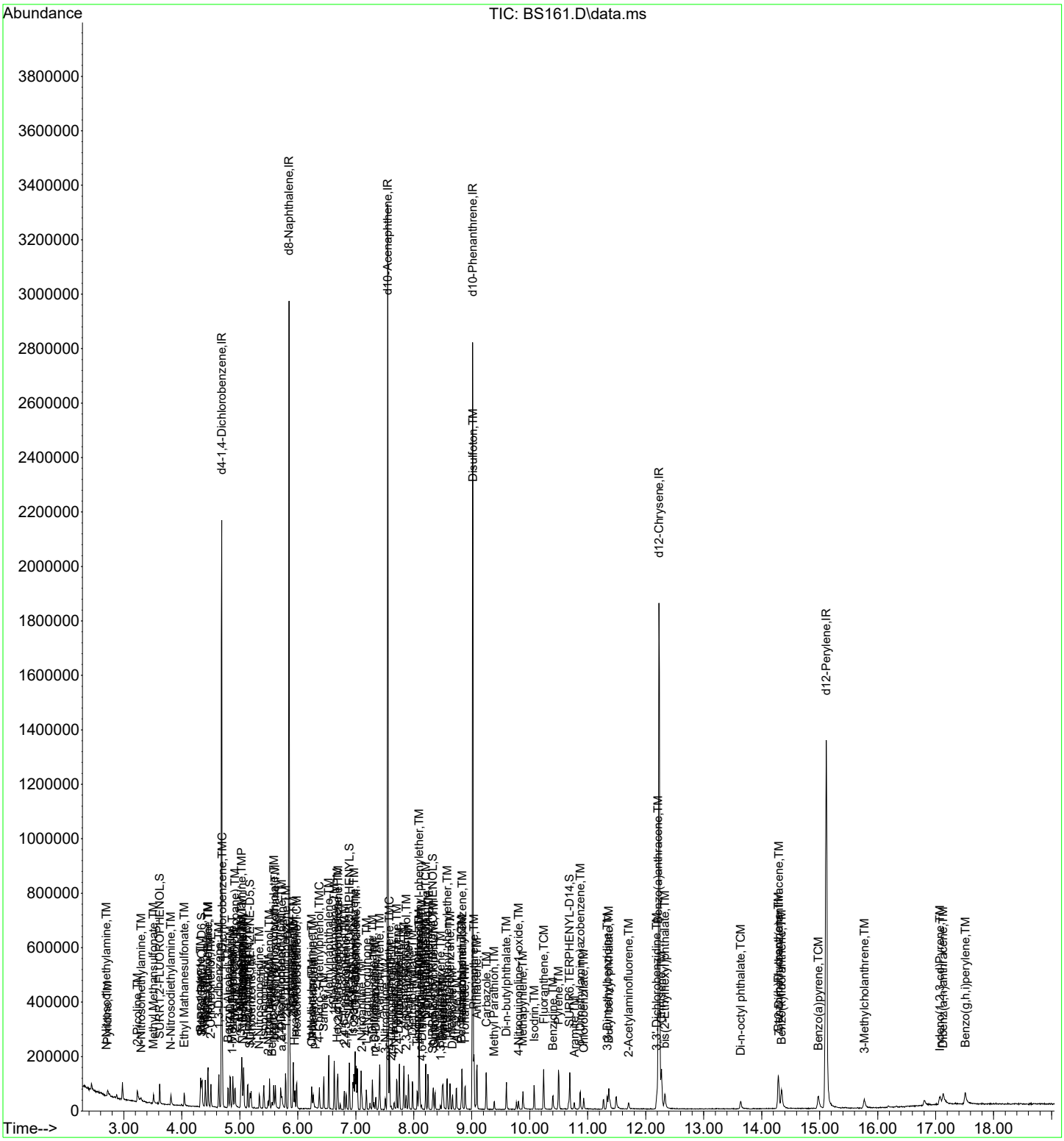
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
100) Phenacetin	8.513	108	11759	1.471	ppm	93
101) 4-Bromophenyl-phenylether	8.577	248	11563	2.738	ppm	94
102) Hexachlorobenzene	8.625	284	11339	2.497	ppm	94
103) Dimethoate	8.668	87	11089	1.842	ppm	94
104) Atrazine	8.737	215	4530	2.432	ppm	89
105) Pentachlorophenol	8.823	266	3476	1.264	ppm	90
106) 4-Aminobiphenyl	8.834	169	40117	2.140	ppm	96
107) Pentachloronitrobenzene	8.834	237	2361	1.565	ppm	92
108) Pronamide	8.882	173	14430	1.918	ppm	90
110) Disulfoton	9.021	88	23998	2.598	ppm	85
111) Phenanthrene	9.037	178	62262	2.564	ppm	95
112) Anthracene	9.090	178	59788	2.426	ppm	97
113) Carbazole	9.251	167	56600	2.343	ppm	97
114) Di-n-butylphthalate	9.598	149	55301	1.968	ppm	96
115) 4-Nitroquinonline-1-oxide	9.807	190	1917	6.086	ppm	97
116) Fluoranthene	10.240	202	58253	2.331	ppm	95
118) Methyl Parathion	9.385	109	5504	1.093	ppm	86
120) Methapyrilene	9.882	58	19388	2.009	ppm	98
121) Isodrin	10.080	193	6705	2.281	ppm	92
122) Benzidine	10.401	184	25715	1.714	ppm	93
123) Pyrene	10.497	202	62006	2.365	ppm	96
125) Aramite	10.770	185	4396m	1.533	ppm	
126) p-(Dimethylamino)azobe...	10.871	120	13584	1.807	ppm	98
127) Chlorobenzilate	10.930	139	9616	1.367	ppm	95
128) Butyl benzyl phthalate	11.364	149	22839	1.795	ppm	95
129) 3,3-Dimethylbenzidine	11.337	212	21290	1.680	ppm	98
130) 2-Acetylaminofluorene	11.706	181	8050	5.032	ppm	93
131) 3,3'-Dichlorobenzidine	12.187	252	14415	1.832	ppm	96
132) Benzo(a)anthracene	12.214	228	54721	2.386	ppm	95
133) Chrysene	12.273	228	54058	2.410	ppm	98
134) bis(2-Ethylhexyl)phtha...	12.332	149	26187	1.446	ppm	99
136) Di-n-octyl phthalate	13.637	149	28618	3.898	ppm	99
137) 7,12-Dimethylbenz(a)an...	14.295	256	19248	1.869	ppm	94
138) Benzo(b)Fluoranthene	14.289	252	41933	1.882	ppm	94
139) Benzo(k)fluoranthene	14.343	252	47995	2.196	ppm	96
140) Benzo(a)pyrene	14.979	252	34327	1.705	ppm	98
141) 3-Methylcholanthrene	15.771	268	14007	1.226	ppm	93
142) Indeno(1,2,3-cd)Pyrene	17.076	276	20547	1.252	ppm	97
143) Dibenz(a,h)anthracene	17.129	278	30403	1.744	ppm	98
144) Benzo(g,h,i)perylene	17.514	276	34761	2.030	ppm	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st DM 07/01/19
2nd MP 07/01/19

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS161.D
Acq On : 27 Jun 2019 4:29 pm
Operator : J.Misiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 5 Sample Multiplier: 1

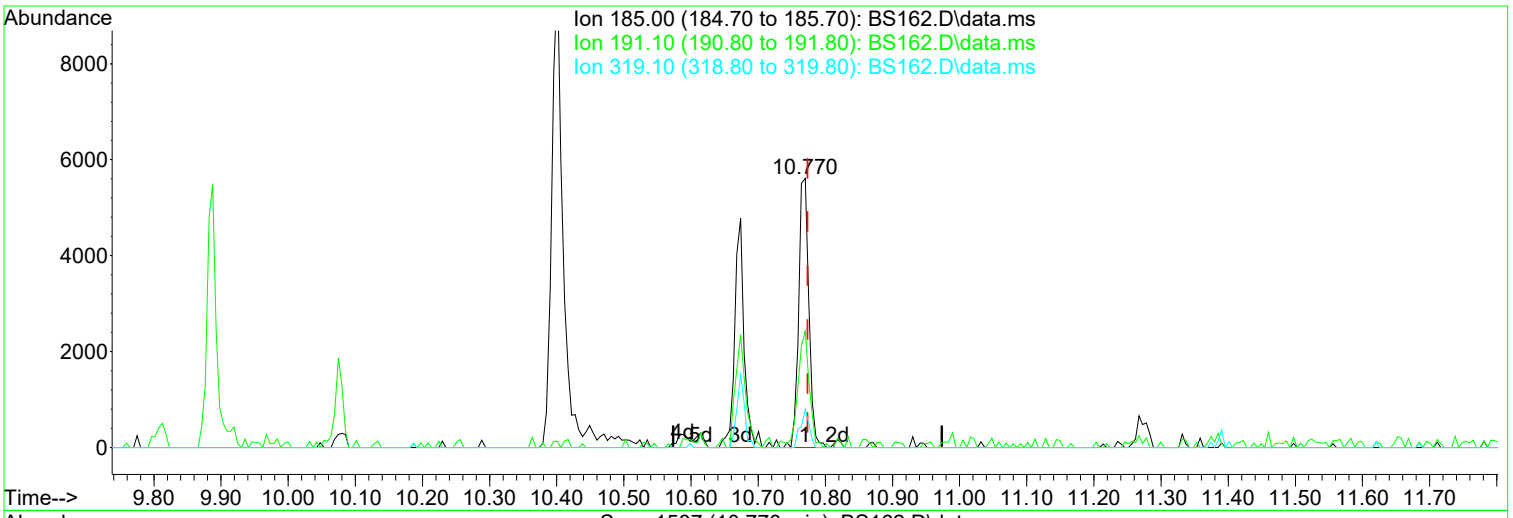
Quant Time: Jun 28 10:22:20 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration

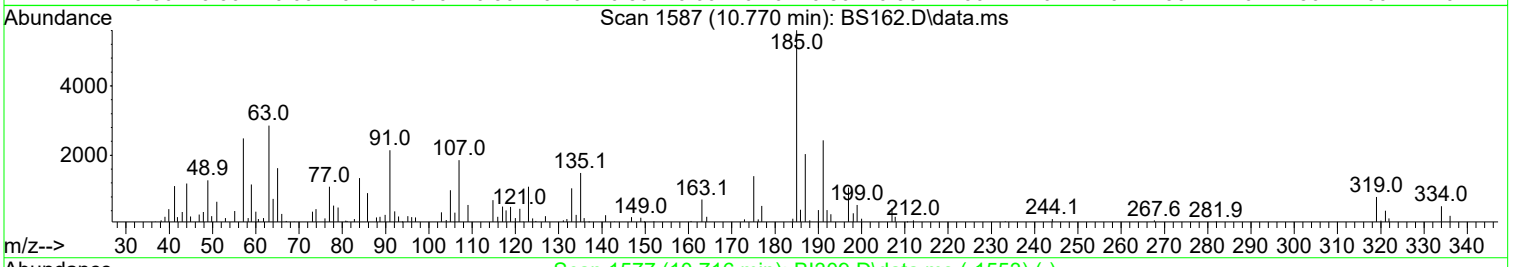


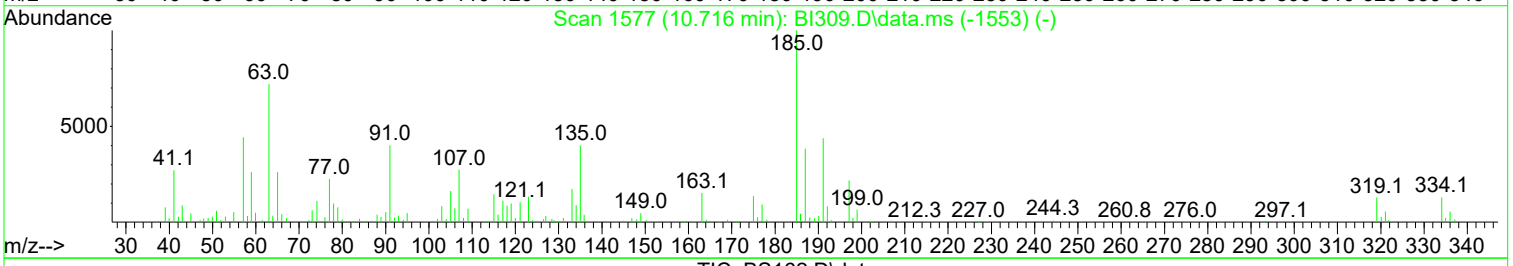
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS162.D
Acq On : 27 Jun 2019 4:57 pm
Operator : J.Misiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 28 10:22:25 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration







TIC: BS162.D\data.ms

(125) Aramite (TM)

10.770min (-0.004) 3.47 ppm m

response 10683

Ion	Exp%	Act%
185.00	100.00	100.00
191.10	40.80	43.32
319.10	11.90	14.25
0.00	0.00	0.00

Manual Integration:

After

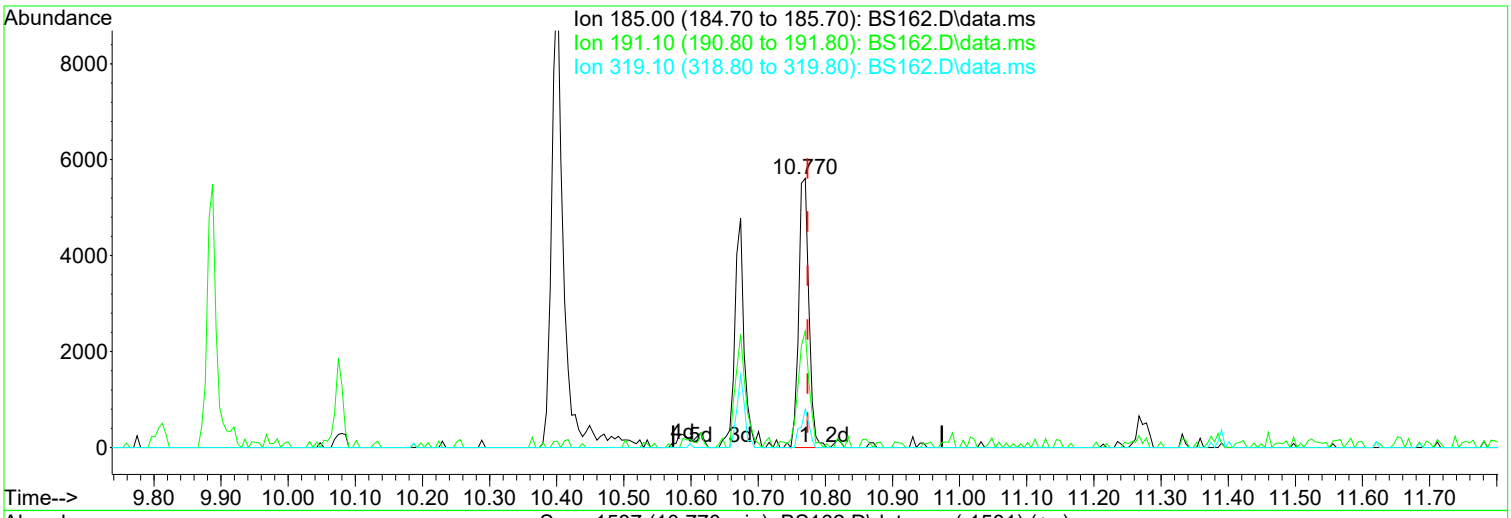
Split Peak.

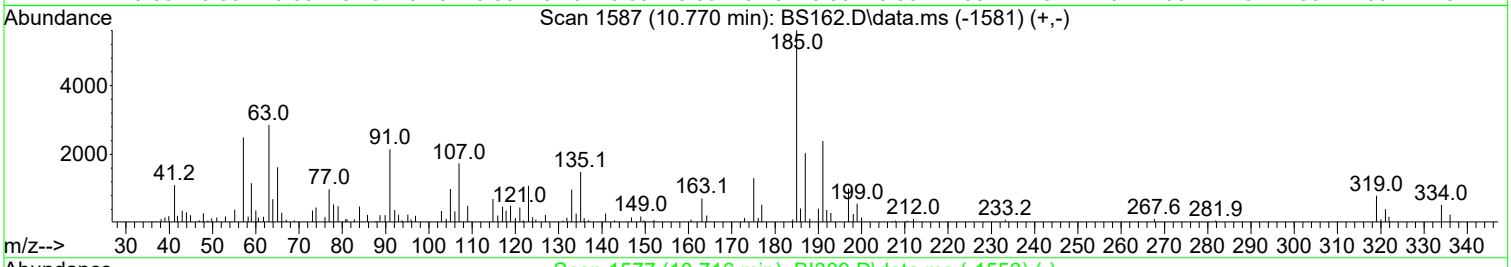
06/28/19

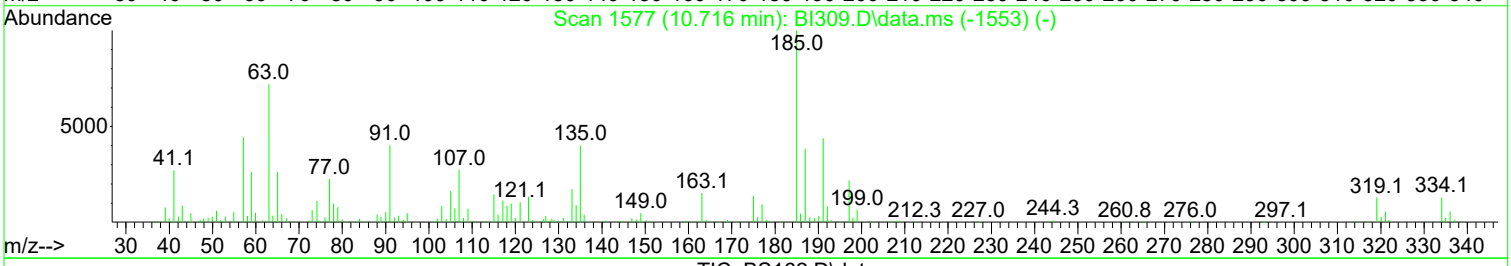
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS162.D
Acq On : 27 Jun 2019 4:57 pm
Operator : J.Misiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 28 10:22:25 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration







TIC: BS162.D\data.ms

(125) Aramite (TM)

10.770min (-0.004) 1.91 ppm

response 5888

Ion	Exp%	Act%
185.00	100.00	100.00
191.10	40.80	41.62
319.10	11.90	14.25
0.00	0.00	0.00

Manual Integration:

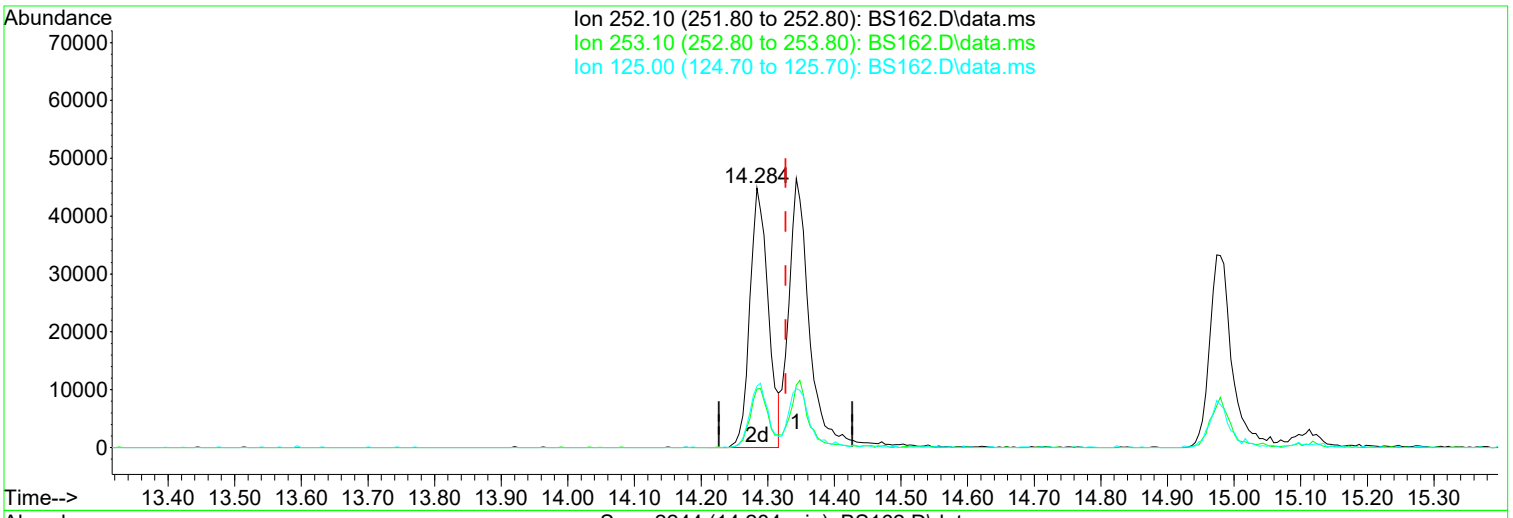
Before

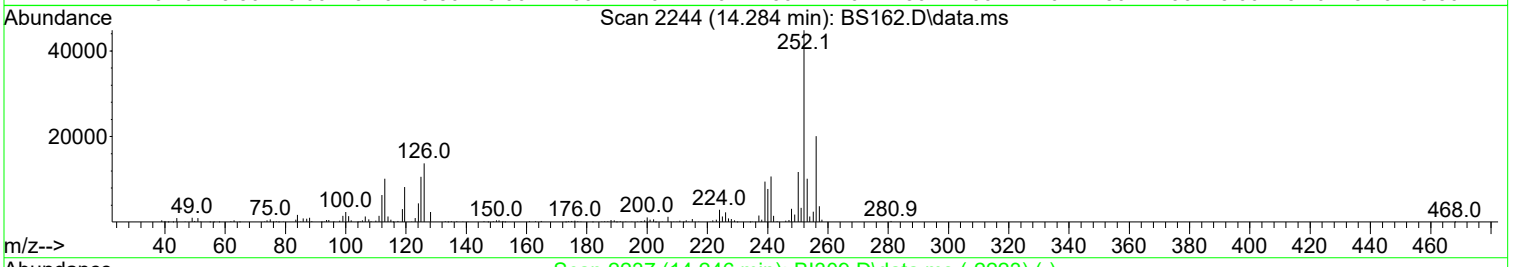
06/28/19

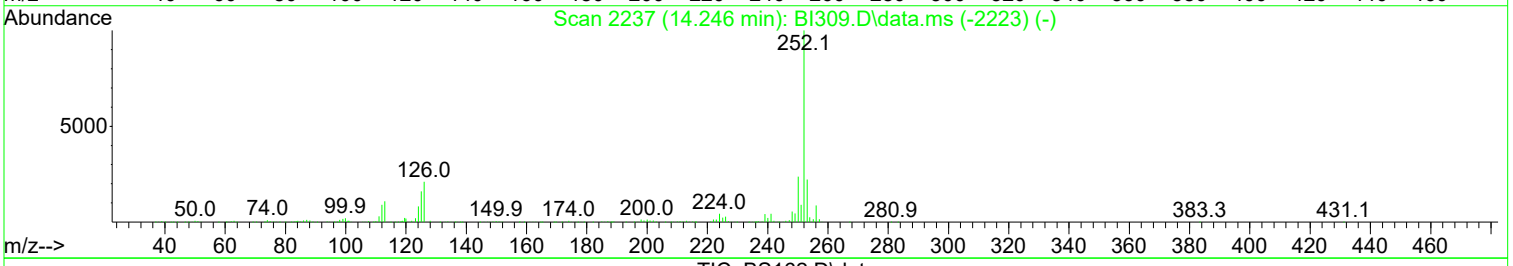
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS162.D
Acq On : 27 Jun 2019 4:57 pm
Operator : J.Misiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 28 10:22:25 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration







TIC: BS162.D\data.ms

(138) Benzo(b)Fluoranthene (TM)

14.284min (-0.043) 3.75 ppm m

response 86086

Ion	Exp%	Act%
252.10	100.00	100.00
253.10	24.10	22.63
125.00	24.30	23.71
0.00	0.00	0.00

Manual Integration:

After

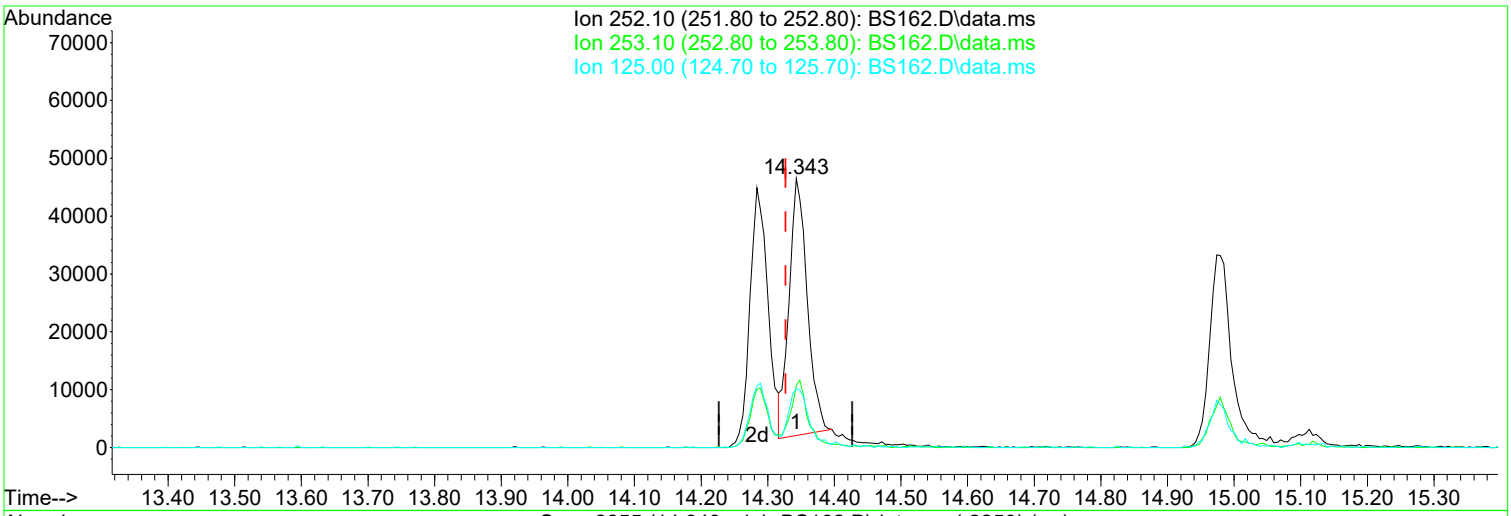
Wrong peak selected.

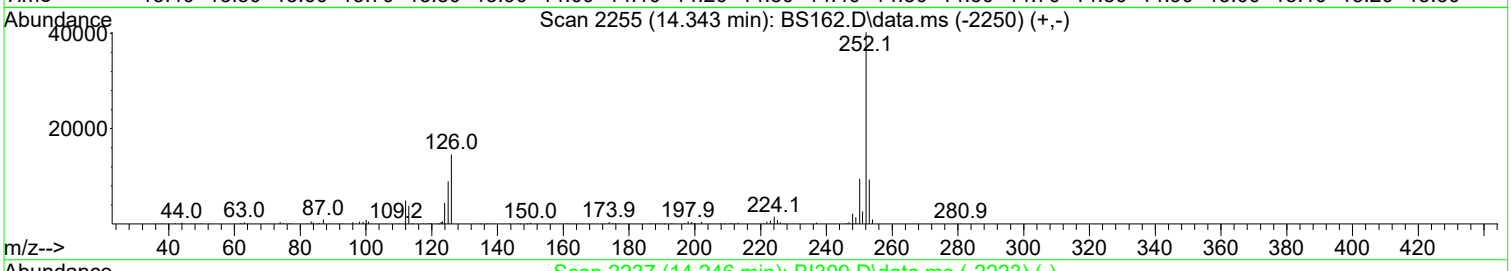
06/28/19

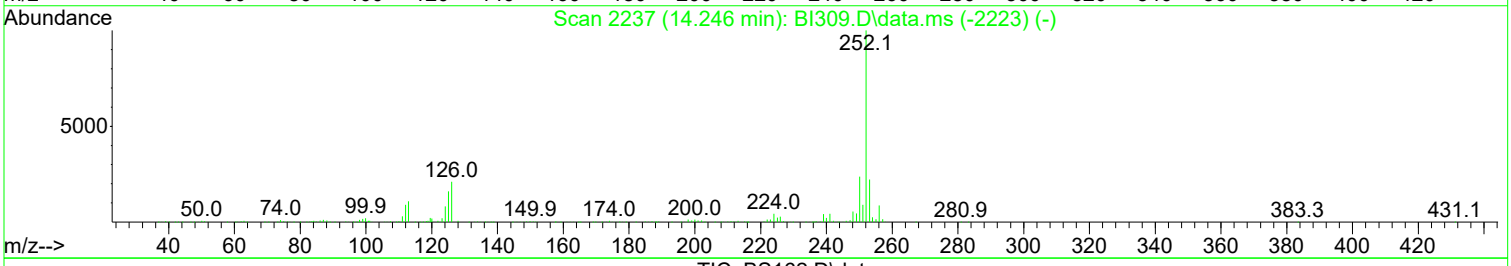
1st 07/01/19
2nd 07/01/19

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS162.D
Acq On : 27 Jun 2019 4:57 pm
Operator : J.Misiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 28 10:22:25 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration







TIC: BS162.D\data.ms

(138) Benzo(b)Fluoranthene (TM)

14.343min (+ 0.015) 3.65 ppm

response 83879

Ion	Exp%	Act%
252.10	100.00	100.00
253.10	24.10	23.30
125.00	24.30	22.23
0.00	0.00	0.00

Manual Integration:

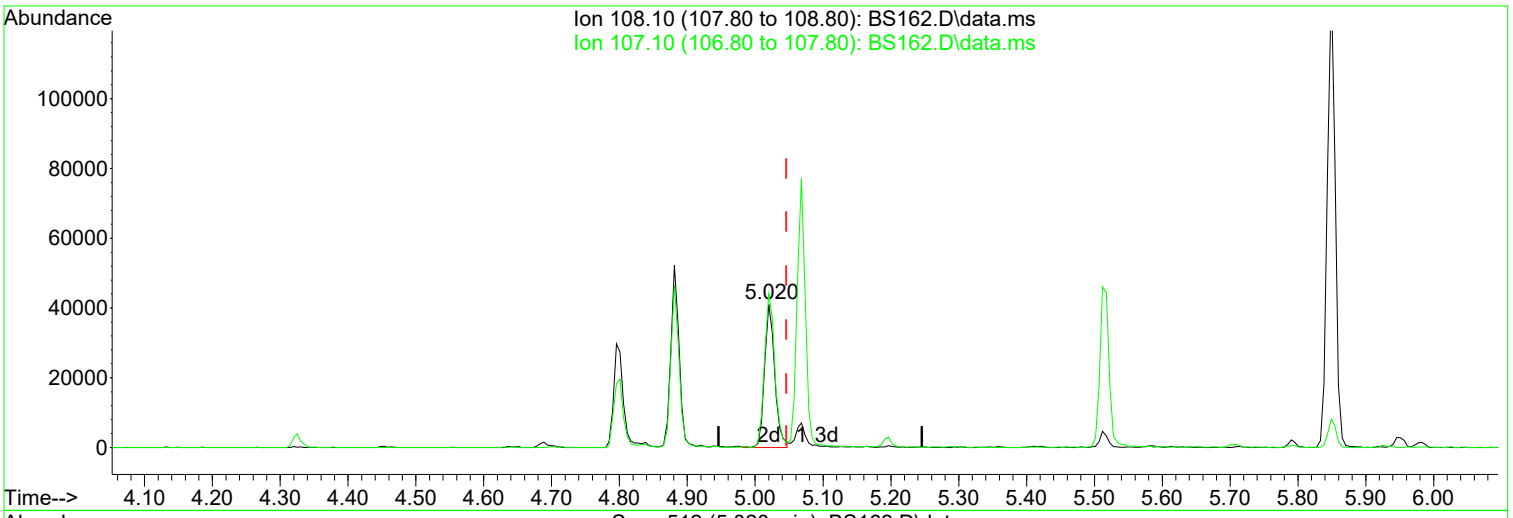
Before

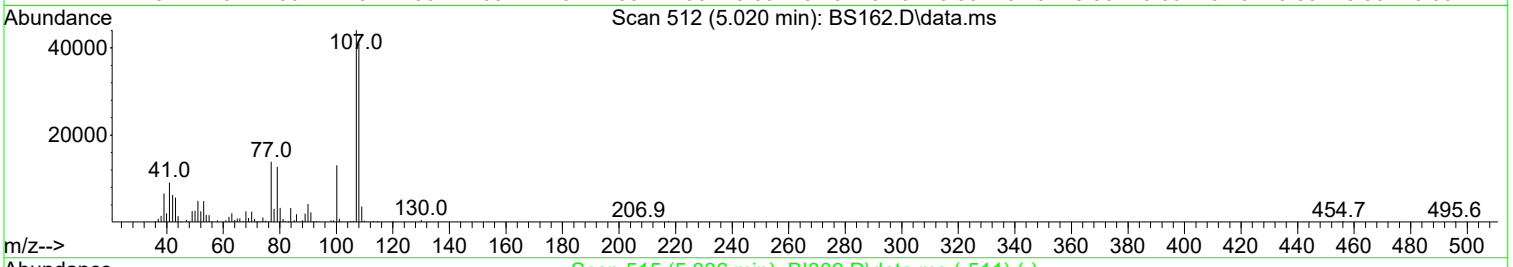
06/28/19

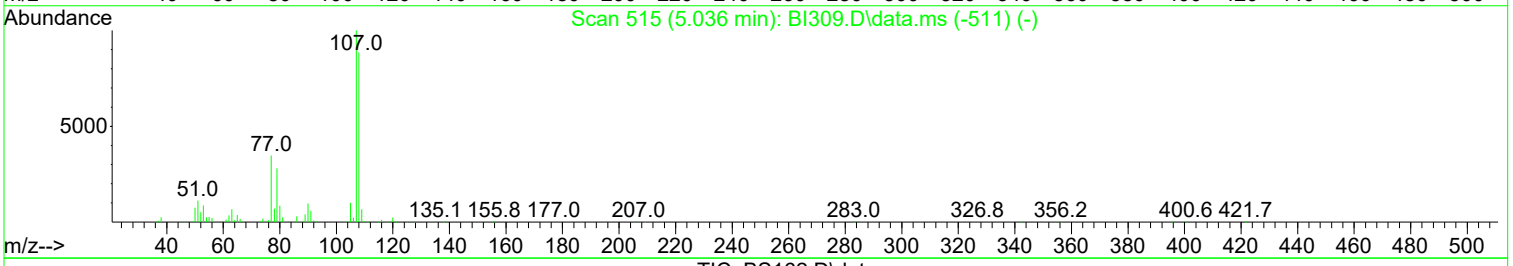
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS162.D
Acq On : 27 Jun 2019 4:57 pm
Operator : J.Misiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 28 10:22:25 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration







TIC: BS162.D\data.ms

(24) 3+4-Methylphenol (TM)

5.020min (-0.026) 4.38 ppm m

response 42951

Ion	Exp%	Act%
108.10	100.00	100.00
107.10	83.50	107.37#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

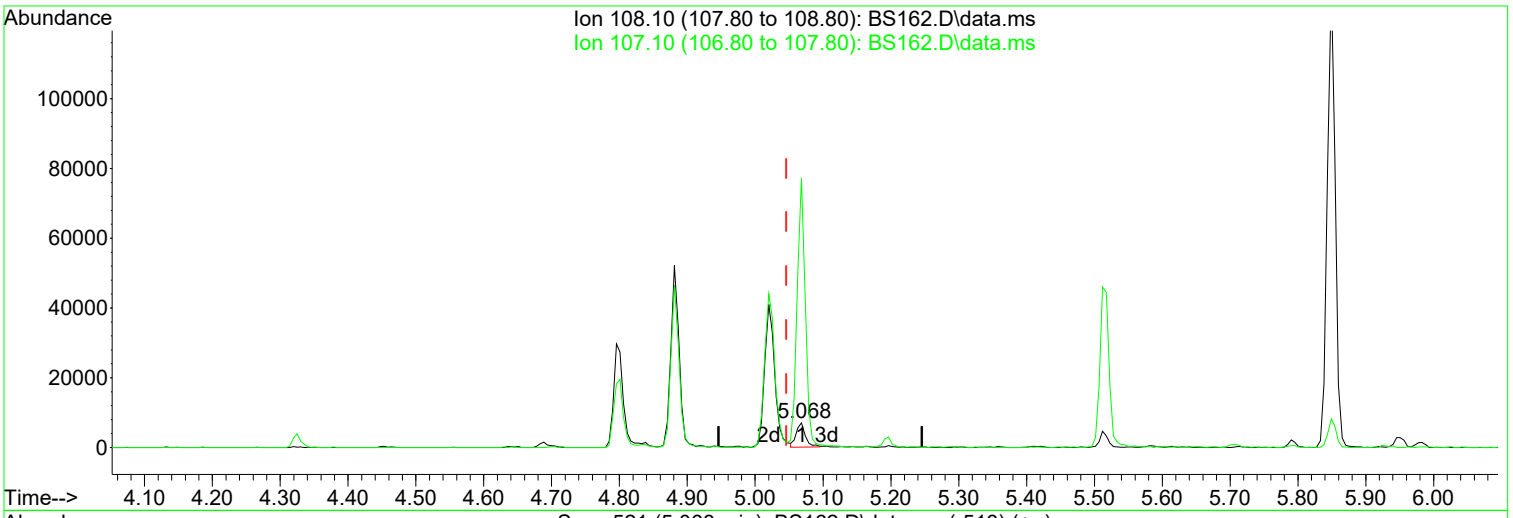
Peak not found.

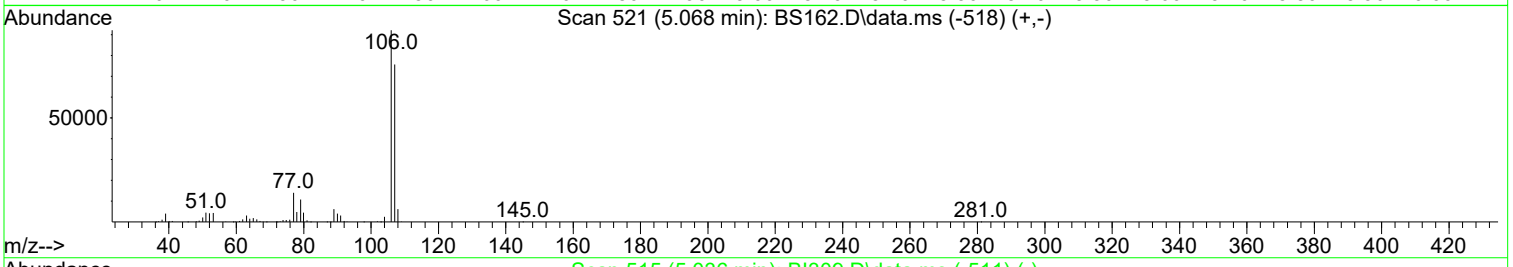
06/28/19

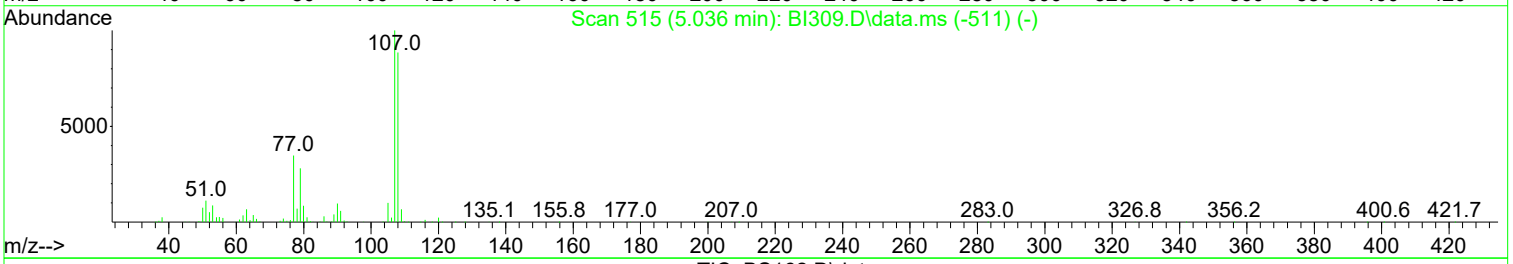
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS162.D
Acq On : 27 Jun 2019 4:57 pm
Operator : J.Misiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 28 10:22:25 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration







TIC: BS162.D\data.ms

(24) 3+4-Methylphenol (TM)

5.068min (+ 0.022) 0.66 ppm

response 6431

Ion	Exp%	Act%
108.10	100.00	100.00
107.10	83.50	1207.17#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

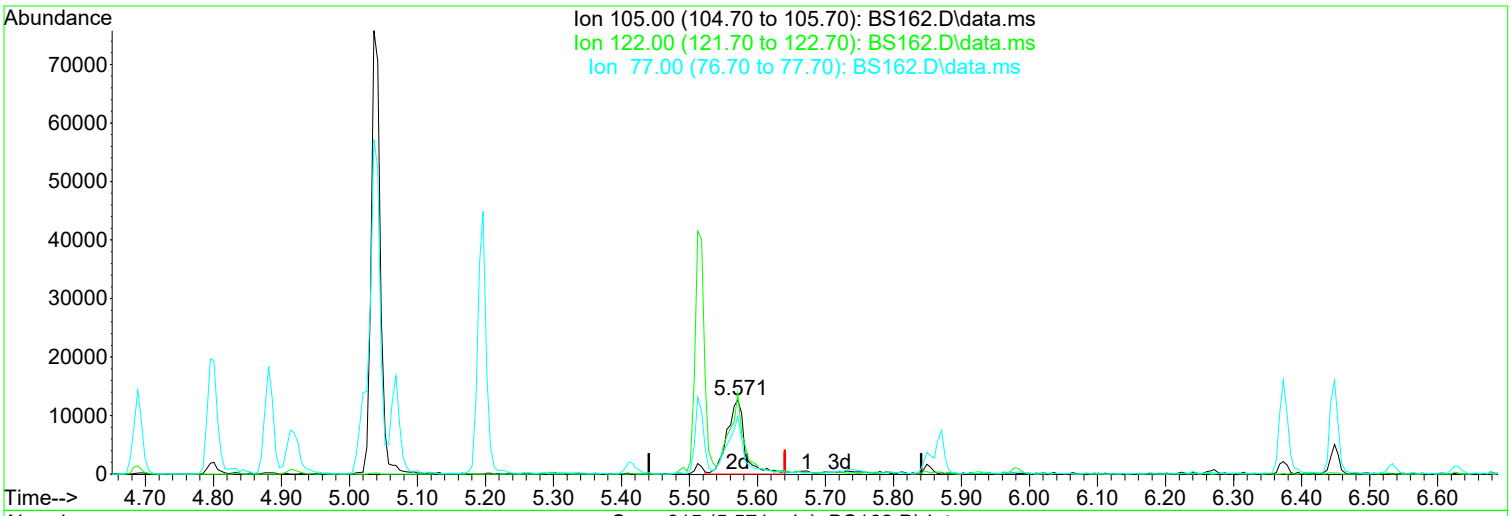
Before

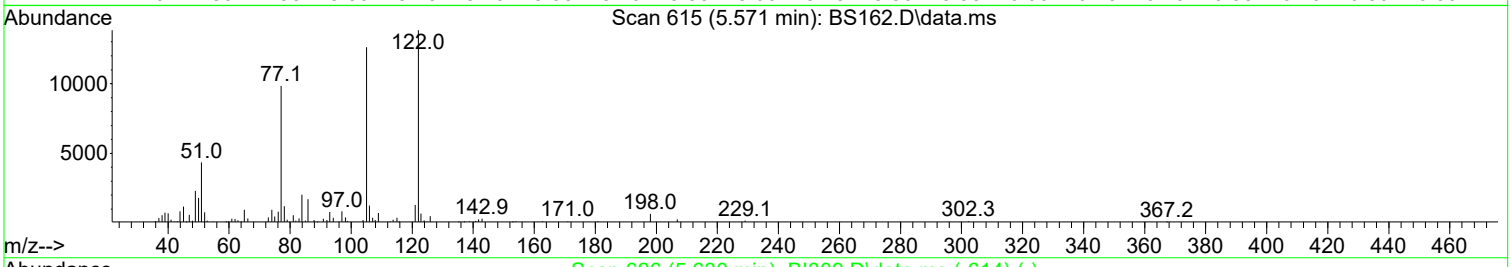
06/28/19

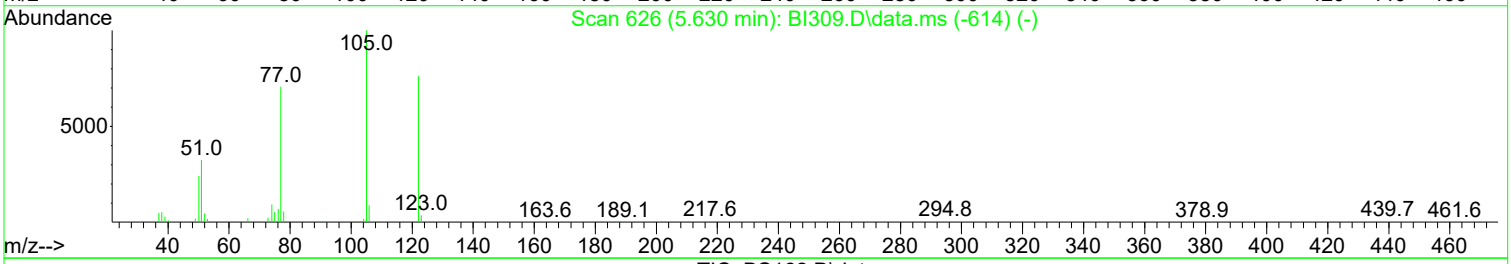
1st 07/01/19
2nd 07/01/19

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS162.D
Acq On : 27 Jun 2019 4:57 pm
Operator : J.Misiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 28 10:22:25 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration







TIC: BS162.D\data.ms

(39) Benzoic Acid (TM)

5.571min (-0.070) 3.94 ppm m

response 23082

Ion	Exp%	Act%
105.00	100.00	100.00
122.00	86.30	109.72
77.00	71.00	78.07
0.00	0.00	0.00

Manual Integration:

After

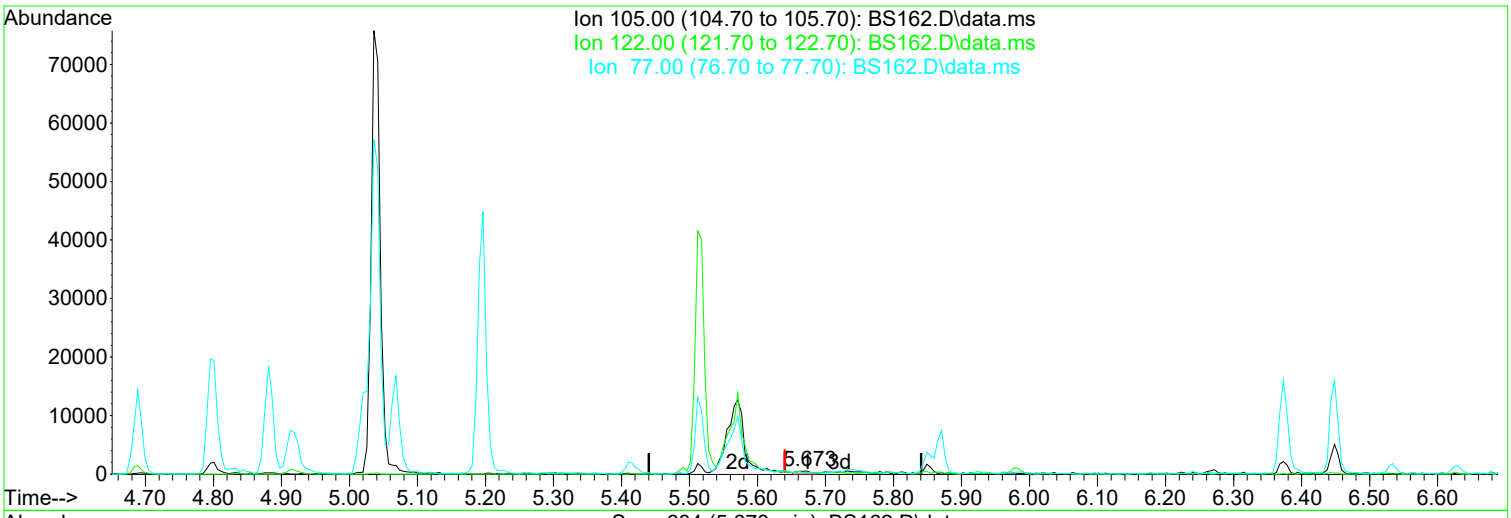
Peak not found.

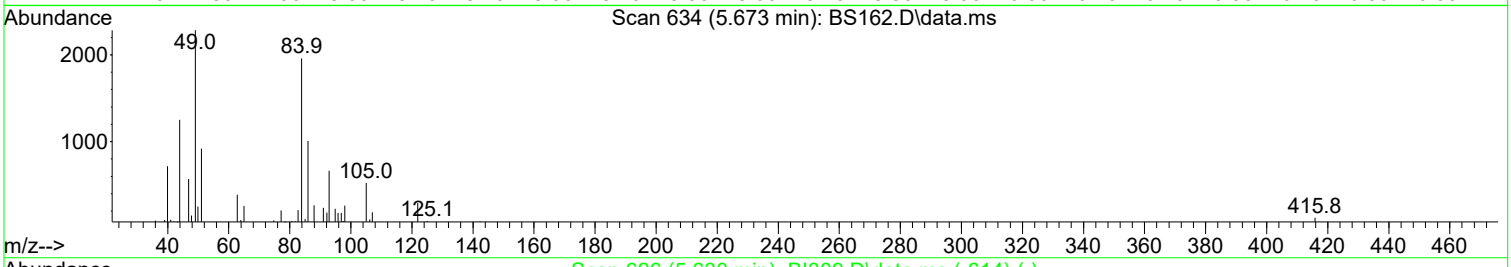
06/28/19

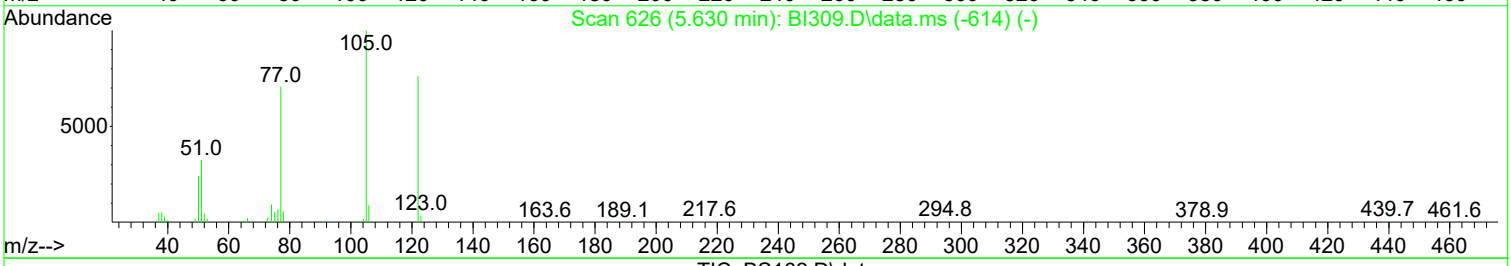
1st 07/01/19
2nd 07/01/19

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS162.D
Acq On : 27 Jun 2019 4:57 pm
Operator : J.Misiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 28 10:22:25 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration







TIC: BS162.D\data.ms

(39) Benzoic Acid (TM)

5.673min (+ 0.032) 0.13 ppm

response 768

Ion	Exp%	Act%
105.00	100.00	100.00
122.00	86.30	55.83
77.00	71.00	39.96
0.00	0.00	0.00

Manual Integration:

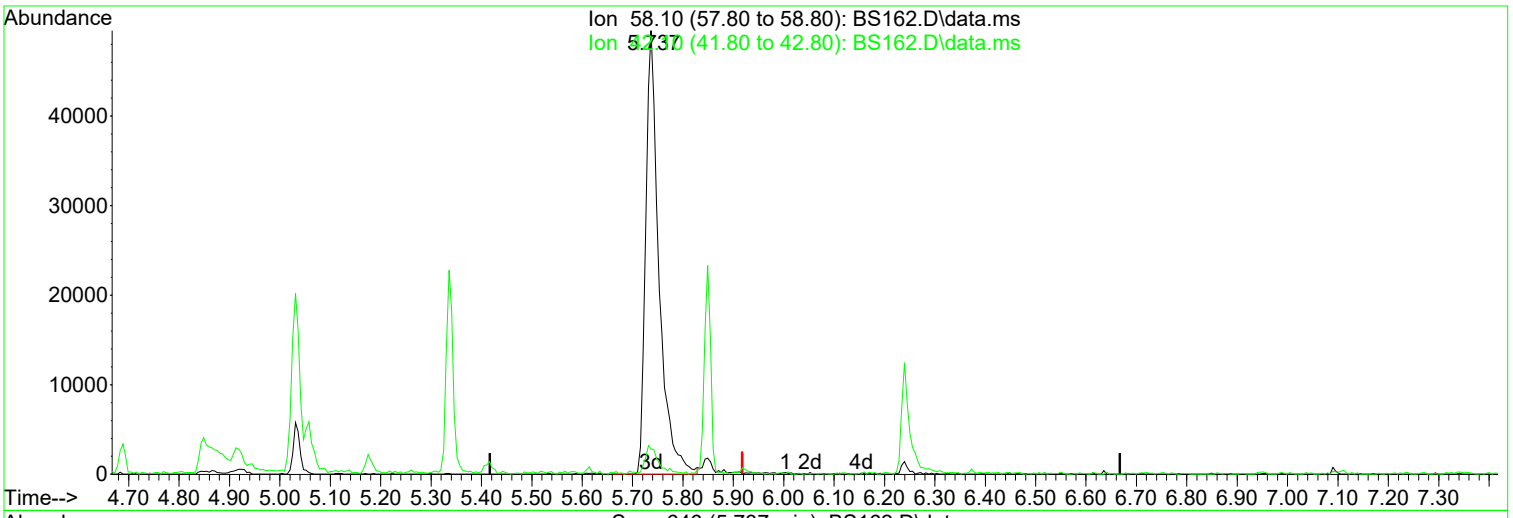
Before

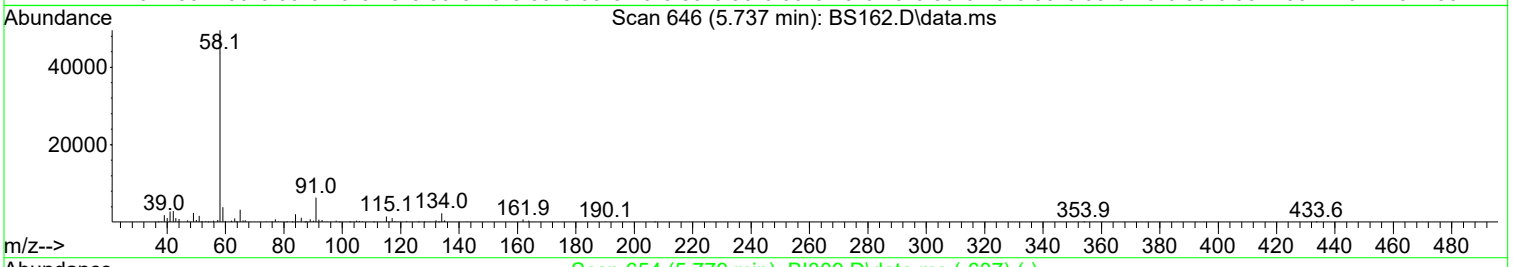
06/28/19

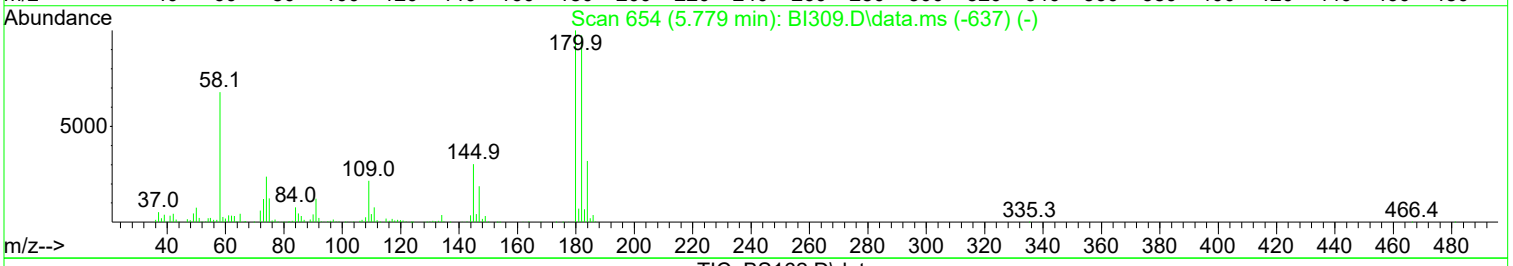
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS162.D
Acq On : 27 Jun 2019 4:57 pm
Operator : J.Misiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 28 10:22:25 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration







TIC: BS162.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.737min (-0.181) 4.33 ppm m

response 90850

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	5.50	5.75
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

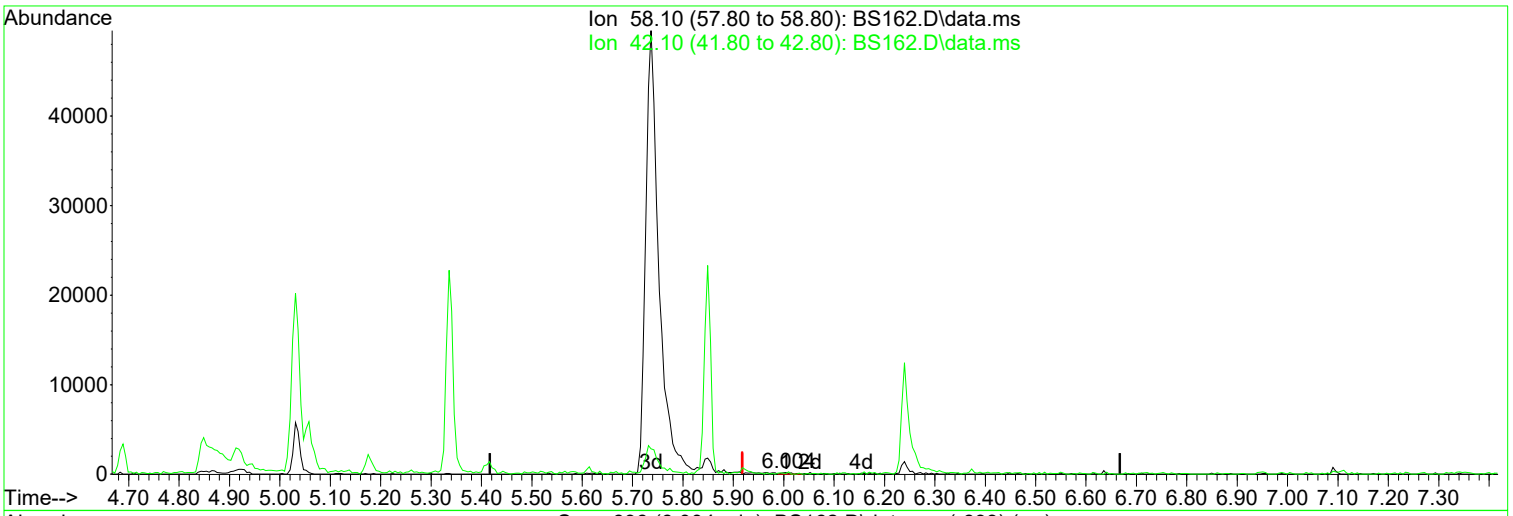
Peak not found.

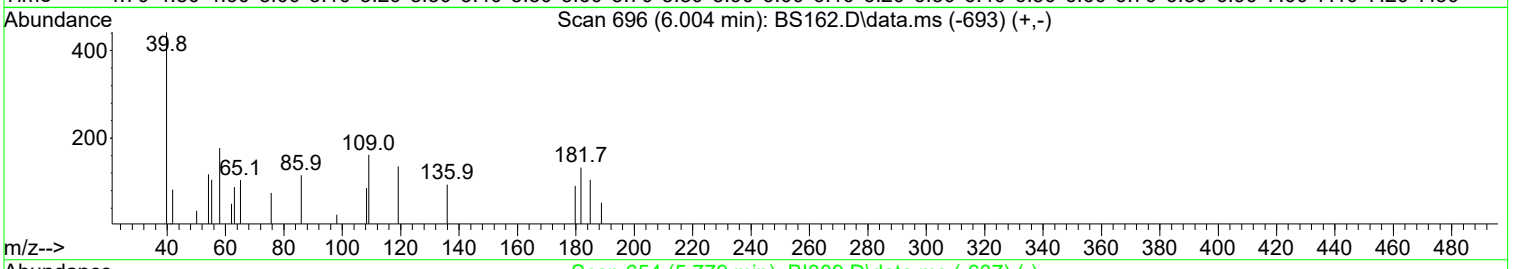
06/28/19

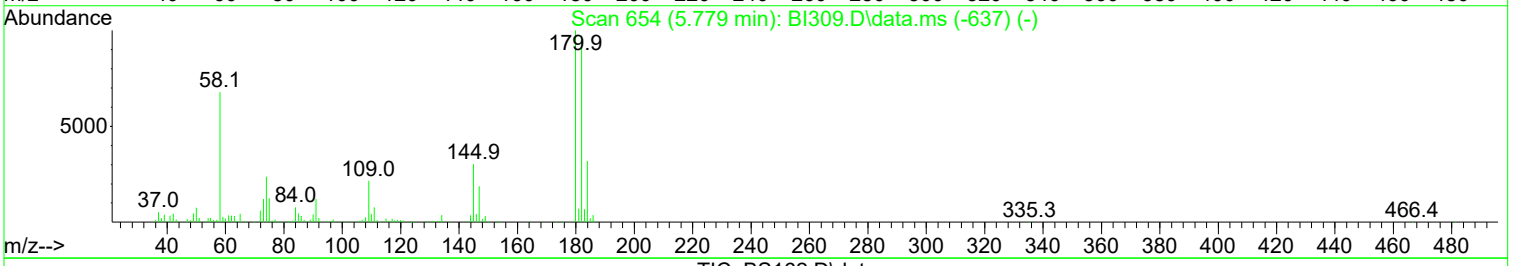
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS162.D
Acq On : 27 Jun 2019 4:57 pm
Operator : J.Misiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 28 10:22:25 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration







TIC: BS162.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

6.004min (+ 0.086) 0.01 ppm

response 263

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	5.50	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

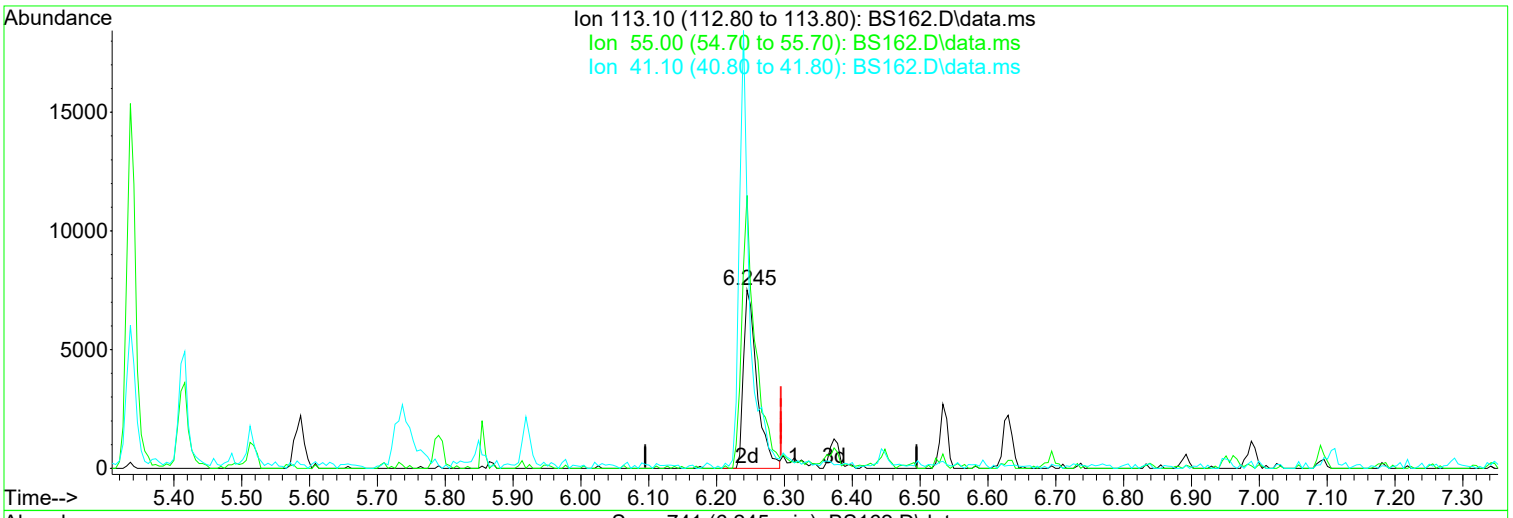
Before

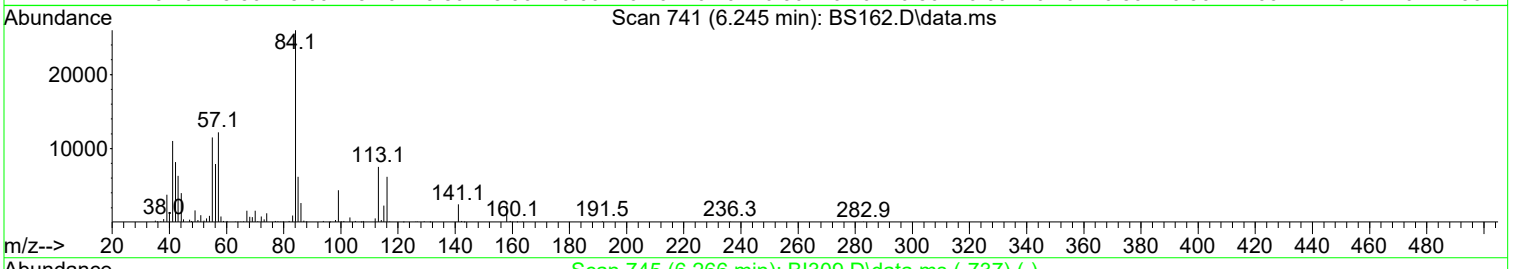
06/28/19

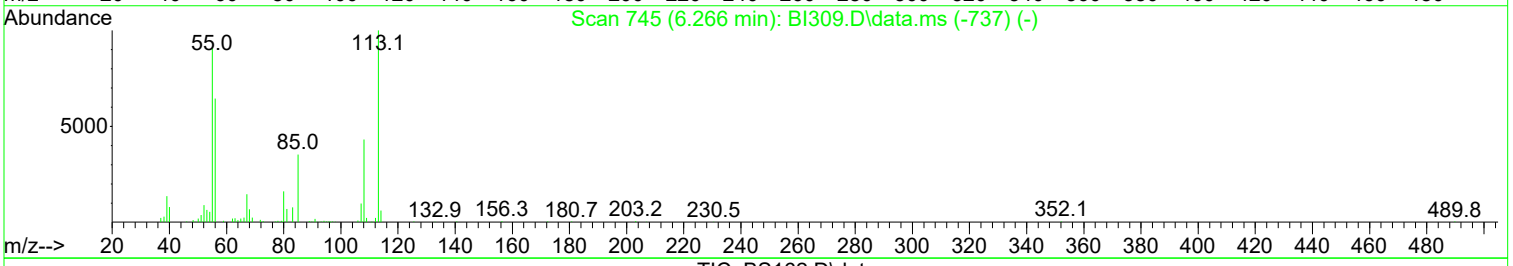
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS162.D
Acq On : 27 Jun 2019 4:57 pm
Operator : J.Misiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 28 10:22:25 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration







TIC: BS162.D\data.ms

(52) Caprolactam (TM)

6.245min (-0.050) 3.60 ppm m

response 10381

Ion	Exp%	Act%
113.10	100.00	100.00
55.00	124.80	153.10
41.10	55.50	147.07#
0.00	0.00	0.00

Manual Integration:

After

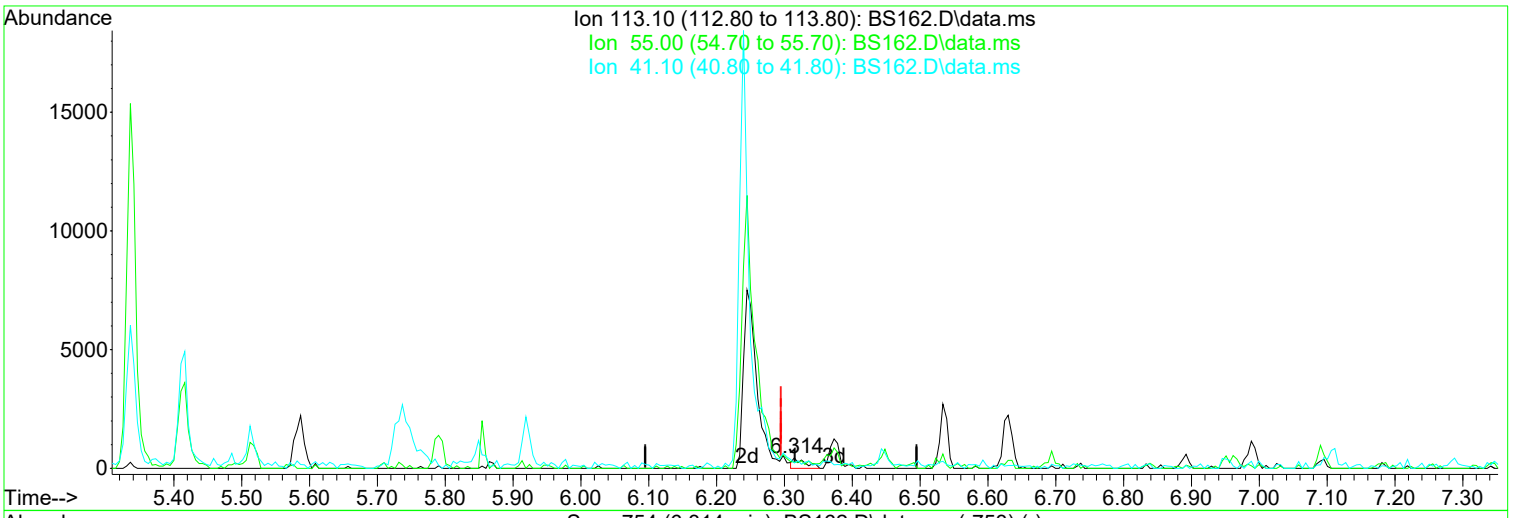
Poor integration.

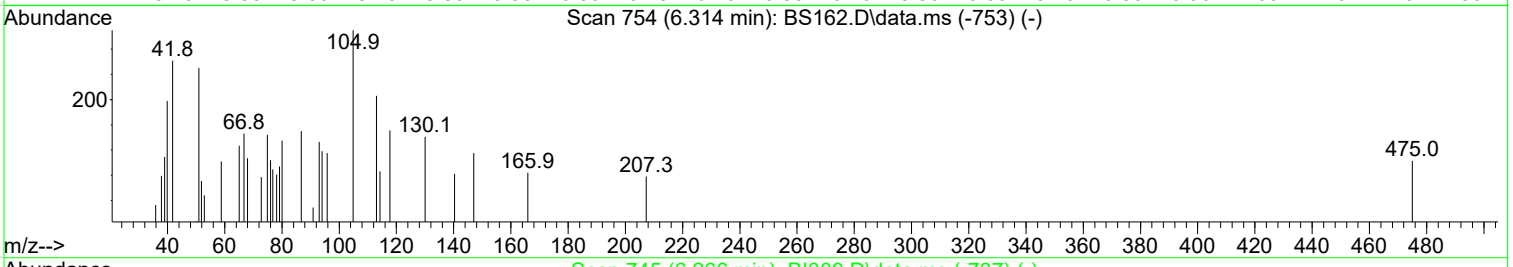
06/28/19

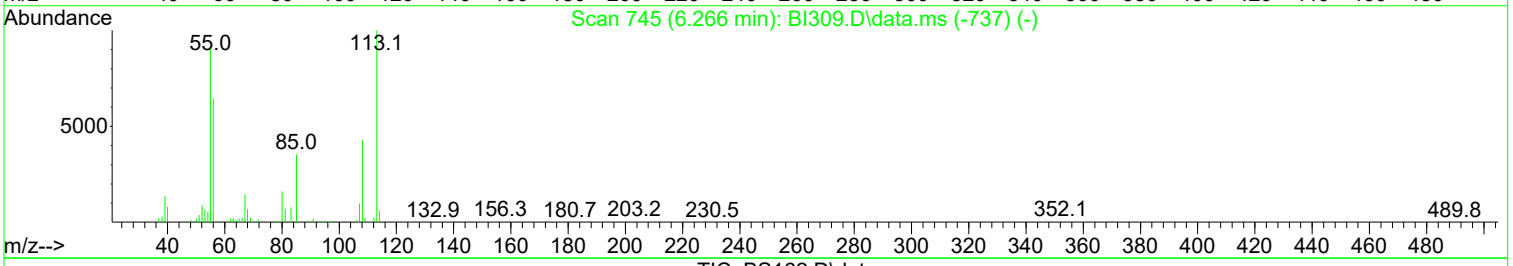
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS162.D
Acq On : 27 Jun 2019 4:57 pm
Operator : J.Misiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 28 10:22:25 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration







TIC: BS162.D\data.ms

(52) Caprolactam (TM)

6.314min (+ 0.019) 0.19 ppm

response 550

Ion	Exp%	Act%
113.10	100.00	100.00
55.00	124.80	13.29#
41.10	55.50	84.46#
0.00	0.00	0.00

Manual Integration:

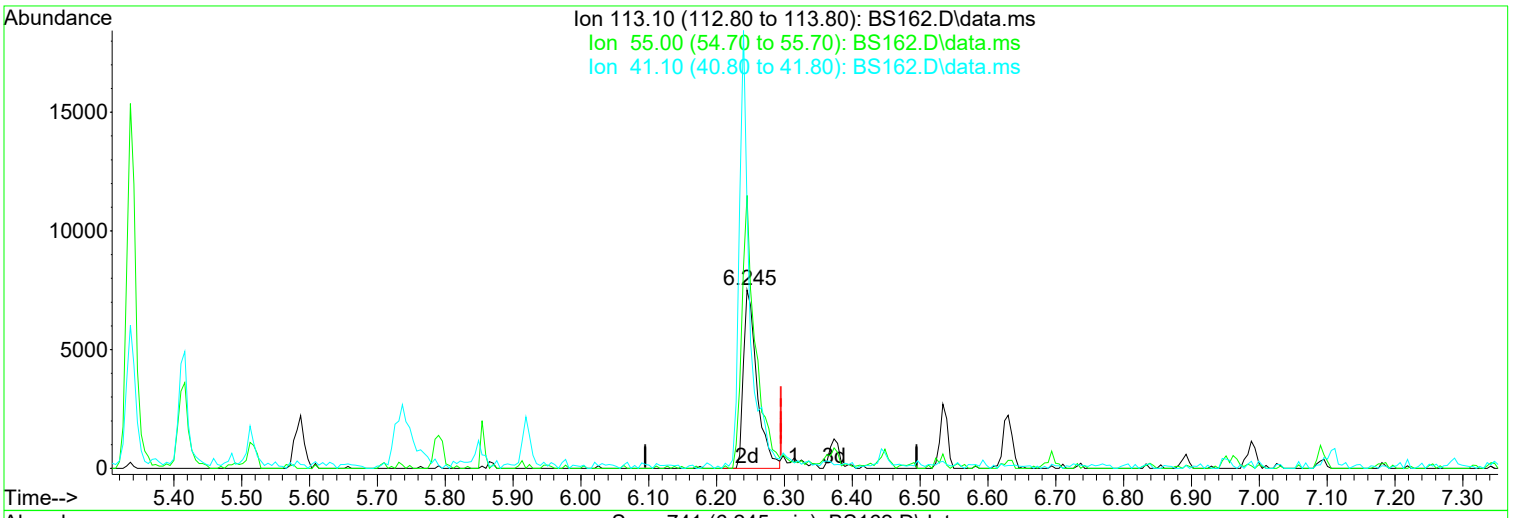
Before

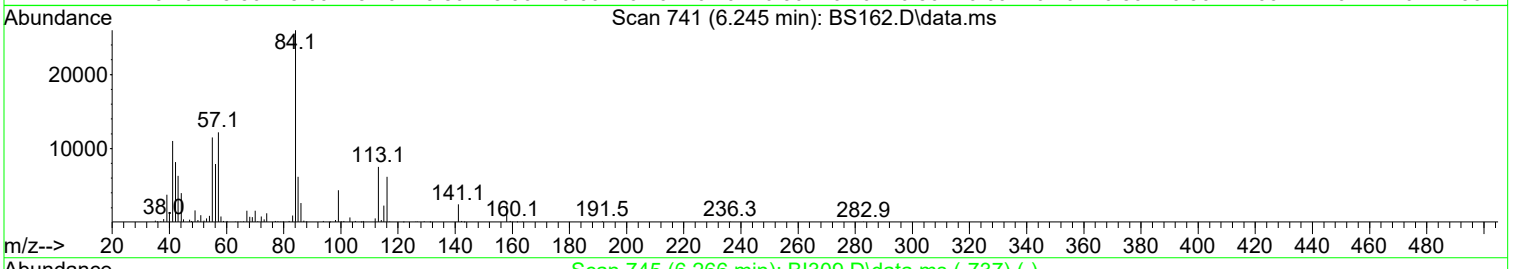
06/28/19

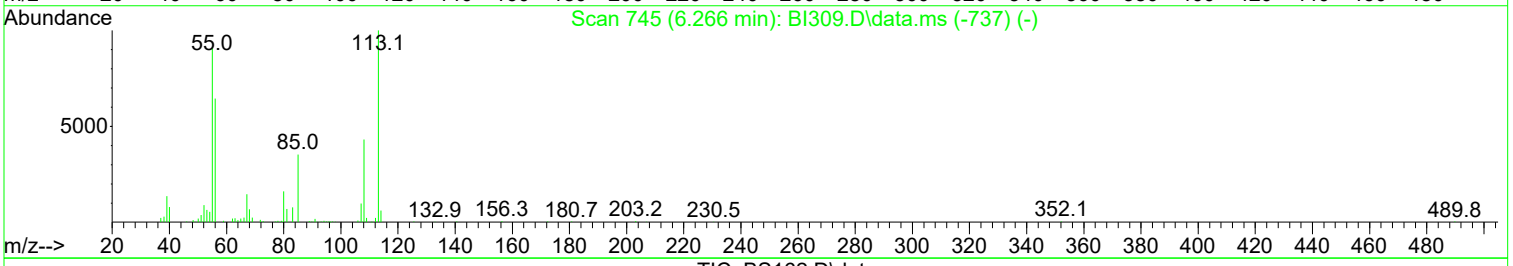
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS162.D
Acq On : 27 Jun 2019 4:57 pm
Operator : J.Misiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 28 10:22:25 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration







TIC: BS162.D\data.ms

(52) Caprolactam (TM)

6.245min (-0.050) 3.60 ppm m

response 10381

Ion	Exp%	Act%
113.10	100.00	100.00
55.00	124.80	153.10
41.10	55.50	147.07#
0.00	0.00	0.00

Manual Integration:

After

Peak not found.

06/28/19

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS162.D
Acq On : 27 Jun 2019 4:57 pm
Operator : J.Misiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 28 10:22:25 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.688	152	329588	40.00	ppm	0.00
33) d8-Naphthalene	5.849	136	1246172	40.00	ppm	0.00
57) d10-Acenaphthene	7.550	164	654050	40.00	ppm	0.00
91) d10-Phenanthrene	9.015	188	972885	40.00	ppm	0.00
117) d12-Chrysene	12.230	240	882913	40.00	ppm	-0.02
135) d12-Perylene	15.113	264	833894	40.00	ppm	-0.01
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.619	112	47527	4.54	ppm	0.00
Spiked Amount 200.000	Range 10 - 70		Recovery =	2.27%#		
12) SURR2,PHENOL-D6	4.341	99	59856	4.55	ppm	-0.01
Spiked Amount 200.000	Range 10 - 107		Recovery =	2.27%#		
34) SURR4,NITROBENZENE-D5	5.175	82	39764	4.27	ppm	0.00
Spiked Amount 100.000	Range 31 - 110		Recovery =	4.27%#		
63) SURR5,2-FLUOROBIPHENYL	6.892	172	103645	4.93	ppm	0.00
Spiked Amount 100.000	Range 31 - 118		Recovery =	4.93%#		
88) SURR3,2,4,6-TRIBROMOPH...	8.326	330	7900	3.64	ppm	0.00
Spiked Amount 200.000	Range 35 - 141		Recovery =	1.82%#		
124) SURR6,TERPHENYL-D14	10.690	244	82588	4.68	ppm	0.00
Spiked Amount 100.000	Range 10 - 165		Recovery =	4.68%#		
Target Compounds						Qvalue
2) Pyridine	2.709	79	41806	4.092	ppm	97
3) N-Nitrosodimethylamine	2.683	74	12223	4.383	ppm	97
4) 2-Picoline	3.223	93	56325	4.771	ppm	98
5) N-Nitrosomethylamine	3.292	42	14791	4.164	ppm	81
6) Methyl Methansulfonate	3.512	80	25462	4.740	ppm	94
8) N-Nitrosodiethylamine	3.811	102	22666	4.559	ppm	97
9) Ethyl Mathanesulfonate	4.041	79	38307	4.714	ppm	99
10) Benzaldehyde	4.325	106	43598	5.309	ppm	96
11) Aniline	4.405	93	79812	4.882	ppm	97
13) Phenol	4.351	94	62283	4.744	ppm	97
14) bis(2-Clethyl)Ether	4.453	93	48630	4.920	ppm	97
15) Pentachloroethane	4.453	117	19974	4.893	ppm	98
16) 2-Chlorophenol	4.501	128	49765	4.582	ppm	98
17) 1,3-Diclbenzene	4.640	146	59617	5.020	ppm	95
18) 1,4-Dichlorobenzene	4.705	146	60407	4.972	ppm	98
19) 1,2-Diclbenzene	4.833	146	56634	4.953	ppm	96
20) Benzyl Alcohol	4.801	79	33335	4.336	ppm	99
21) 1-Methyl-2-pyrrolidinone	4.849	99	30230	4.612	ppm	88
22) 2,2'-oxybis(1-Chloropr...	4.913	45	60784	5.057	ppm	96
23) 2-Methylphenol	4.881	108	44457	4.584	ppm	99
24) 3+4-Methylphenol	5.020	108	42951m	4.381	ppm	
25) Acetophenone	5.036	105	71272	5.057	ppm	85
26) N-Nitroso-Di-n-propyla...	5.031	70	33770	4.825	ppm	97
27) N-Nitrosopyrrolidine	5.025	100	23190	4.433	ppm	90
28) N-Nitrosomorpholine	5.058	56	24416	5.037	ppm	91
29) o-Toluidine	5.068	106	80296	4.773	ppm	74
30) Hexachloroethane	5.138	117	22665	4.802	ppm	93
31) o,o,o-Triethylphosphor...	5.587	198	18302	4.631	ppm	85
35) Nitrobenzene	5.197	77	38921	4.260	ppm	90
36) N-Nitrosopiperidine	5.336	42	21791	4.682	ppm	96
37) Isophorone	5.416	82	89538	4.874	ppm	98
38) 2-Nitrophenol	5.491	139	14623	2.982	ppm	97
39) Benzoic Acid	5.571	105	23082m	3.943	ppm	

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS162.D
Acq On : 27 Jun 2019 4:57 pm
Operator : J.Misiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 28 10:22:25 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40) 2,4-Dimethylphenol	5.512	107	44171	4.590	ppm		88
41) bis(-2-Chloroethoxy)Me...	5.614	93	60182	4.924	ppm		97
42) 2,4-Dichlorophenol	5.705	162	34213	4.321	ppm		97
43) a,a-Dimethylphenethyla...	5.737	58	90850m	4.328	ppm		
44) 1,2,4-Trichlorobenzene	5.790	180	43696	4.849	ppm		97
45) Naphthalene	5.870	128	155921	5.191	ppm		98
46) 4-Chloroaniline	5.924	127	64439	4.783	ppm		97
47) 2,6-Dichlorophenol	5.924	162	35407	4.473	ppm		96
48) Hexachlorobutadiene	5.983	225	20754	4.895	ppm		93
49) Hexachloropropene	5.951	213	18928	4.085	ppm		99
50) 4-Chloro-3-methylphenol	6.373	107	32192	4.271	ppm		96
51) N-N-di-n-butylamine	6.240	84	36218	5.343	ppm		95
52) Caprolactam	6.245	113	10381m	3.600	ppm		
53) p-Phenylenediamine	6.266	80	16900	5.191	ppm		94
54) Safrole	6.448	162	35486	4.703	ppm		95
55) 2-Methylnaphthalene	6.534	142	102563	5.087	ppm		99
56) 1-Methylnaphthalene	6.630	142	94801	5.057	ppm		98
58) Hexachlorocyclopentadiene	6.684	237	20222	4.143	ppm		97
59) 1,2,4,5-Tetrachloroben...	6.694	216	39840	4.751	ppm		99
60) 1,2,3,4-Tetrachloroben...	6.967	216	40876	4.790	ppm		94
61) 2,4,6-Trichlorophenol	6.801	196	19128	3.665	ppm		98
62) 2,4,5-Trichlorophenol	6.839	196	21476	3.929	ppm		98
64) Isosafrole	6.951	104	13799	4.465	ppm		87
65) 1,1'-Biphenyl	6.988	154	118285	4.906	ppm		98
66) 2-Chloronaphthalene	7.010	162	104134	4.891	ppm		98
67) 2-Nitroaniline	7.106	65	16675	3.395	ppm		89
68) 1,4-Naphthoquinone	7.186	158	32449	5.271	ppm		93
69) m-Dinitrobenzene	7.315	168	7126	5.098	ppm		92
70) Acenaphthylene	7.411	152	137666	4.785	ppm		97
71) Dimethyl phthalate	7.288	163	86418	4.551	ppm		97
72) 2,6-Dinitrotoluene	7.347	165	13773	4.990	ppm		95
73) Acenaphthene	7.582	153	94966	5.029	ppm		94
74) 3-Nitroaniline	7.513	138	17442	5.106	ppm		95
75) 2,4-Dinitrophenol	7.609	184	3212	5.132	ppm		96
76) Dibenzofuran	7.753	168	125526	5.104	ppm		95
77) 2,4-Dinitrotoluene	7.743	165	12635	5.076	ppm		98
78) 4-Nitrophenol	7.662	65	8707	2.829	ppm		86
79) Pentachlorobenzene	7.710	250	32527	4.962	ppm		100
80) 1-Napthylamine	7.833	143	88329	4.489	ppm		98
81) 2-Napthylamine	7.908	143	87098	4.425	ppm		98
82) 2,3,4,6-Tetrachlorophenol	7.871	232	13944	3.262	ppm		96
83) Fluorene	8.090	166	96910	5.012	ppm		99
84) 4-Chlorophenyl-phenyle...	8.090	204	42708	5.037	ppm		95
85) Diethylphthalate	7.978	149	80272	4.303	ppm		98
86) 4-Nitroaniline	8.106	138	21320	3.481	ppm		92
87) 5-Nitro-o-toluidine	8.101	152	17028	2.762	ppm		99
89) Sulfotepp	8.368	322	6530	3.299	ppm		90
90) Octachlorocyclopentene	8.336	307	8894	4.360	ppm		97
92) Thionazin	8.058	107	10922	3.903	ppm		94
93) 4,6-Dinitro-2-methylph...	8.133	198	5019	5.672	ppm		93
94) Diphenylamine	8.208	169	75219	4.749	ppm		99
95) 1,2 Diphenylhydrazine	8.245	77	96568	5.200	ppm		93
96) N-Nitrosodiphenylamine	8.208	169	75219	4.749	ppm		99
97) 1,3,5-Trinirobenzene	8.465	213	2655	5.074	ppm	#	23
98) Diallate	8.491	86	28172	4.460	ppm		87
99) Phorate	8.502	121	12543	3.744	ppm		90

1st 07/01/19
2nd 07/01/19

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS162.D
Acq On : 27 Jun 2019 4:57 pm
Operator : J.Misiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 28 10:22:25 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration

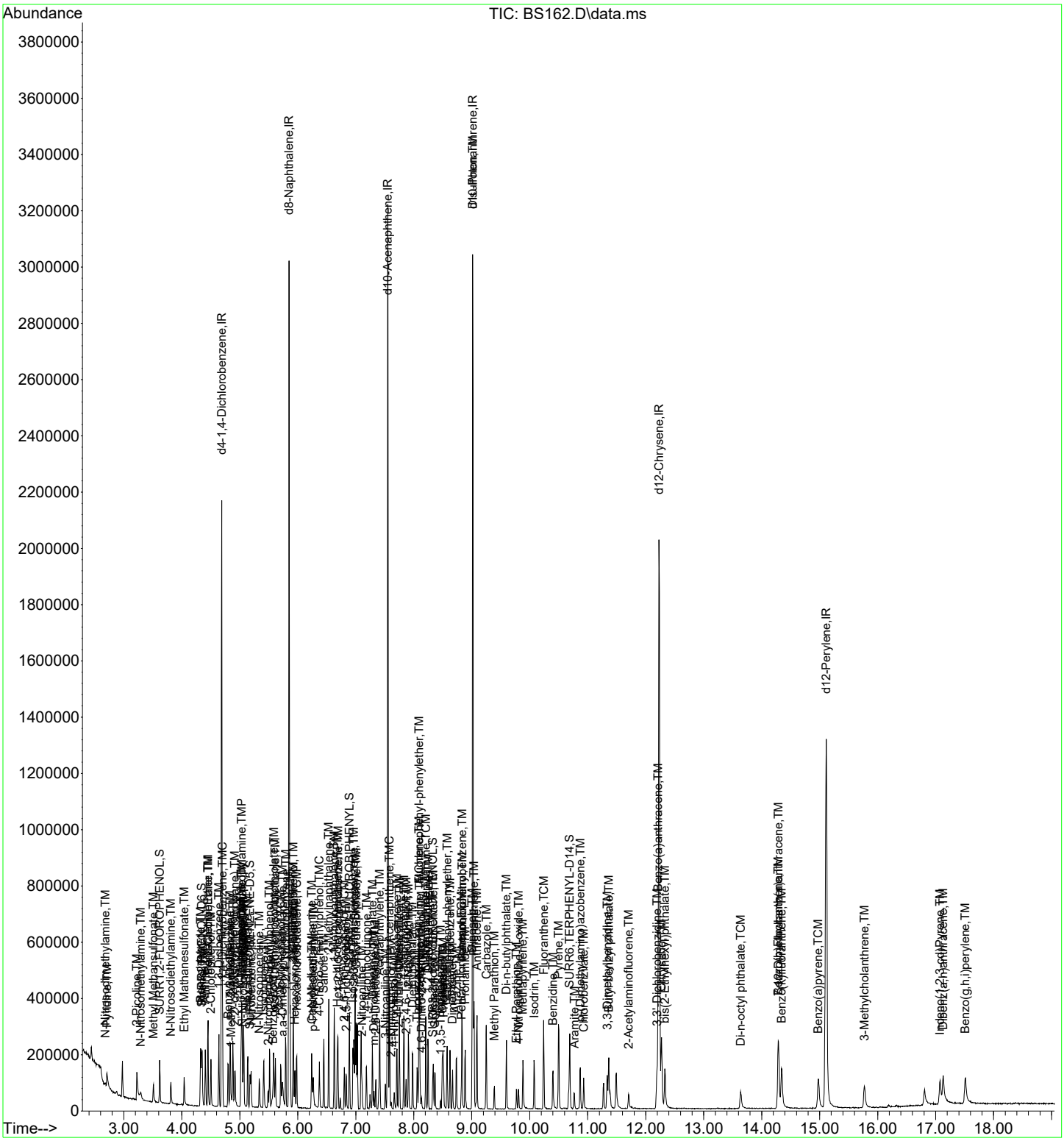
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
100) Phenacetin	8.513	108	29799	3.495	ppm	95
101) 4-Bromophenyl-phenylether	8.577	248	21719	4.822	ppm	91
102) Hexachlorobenzene	8.625	284	24335	5.025	ppm	94
103) Dimethoate	8.668	87	29151	4.540	ppm	96
104) Atrazine	8.737	215	9989	5.027	ppm	83
105) Pentachlorophenol	8.823	266	8427	2.873	ppm	90
106) 4-Aminobiphenyl	8.834	169	90534	4.529	ppm	99
107) Pentachloronitrobenzene	8.834	237	5447	3.386	ppm	98
108) Pronamide	8.887	173	34043	4.242	ppm	98
109) Dinoseb	9.005	211	6044	1.729	ppm	86
110) Disulfoton	9.015	88	46107	4.681	ppm	88
111) Phenanthrene	9.037	178	124530	4.809	ppm	97
112) Anthracene	9.090	178	120352	4.579	ppm	99
113) Carbazole	9.251	167	122037	4.736	ppm	97
114) Di-n-butylphthalate	9.598	149	127374	4.250	ppm	98
115) 4-Nitroquinonline-1-oxide	9.807	190	4405	6.916	ppm	90
116) Fluoranthene	10.240	202	124409	4.667	ppm	98
118) Methyl Parathion	9.390	109	14821	2.743	ppm	95
119) Ethyl Parathion	9.770	97	8113	2.277	ppm	88
120) Methapyrilene	9.882	58	50678	4.896	ppm	90
121) Isodrin	10.080	193	14123	4.480	ppm	95
122) Benzidine	10.401	184	63590	3.953	ppm	94
123) Pyrene	10.497	202	132980	4.730	ppm	98
125) Aramite	10.770	185	10683m	3.473	ppm	
126) p-(Dimethylamino)azobe...	10.871	120	33892	4.203	ppm	96
127) Chlorobenzilate	10.930	139	25696	3.406	ppm	88
128) Butyl benzyl phthalate	11.364	149	55935	4.099	ppm	96
129) 3,3-Dimethylbenzidine	11.337	212	55273	4.067	ppm	100
130) 2-Acetylaminofluorene	11.706	181	18879	6.016	ppm	93
131) 3,3'-Dichlorobenzidine	12.193	252	31112	3.688	ppm	92
132) Benzo(a)anthracene	12.214	228	111543	4.535	ppm	97
133) Chrysene	12.273	228	107781	4.480	ppm	98
134) bis(2-Ethylhexyl)phtha...	12.332	149	66410	3.419	ppm	94
136) Di-n-octyl phthalate	13.637	149	68957	5.077	ppm	98
137) 7,12-Dimethylbenz(a)an...	14.289	256	41744	3.930	ppm	97
138) Benzo(b)Fluoranthene	14.284	252	86086m	3.745	ppm	
139) Benzo(k)fluoranthene	14.343	252	94415	4.187	ppm	97
140) Benzo(a)pyrene	14.974	252	78516	3.780	ppm	99
141) 3-Methylcholanthrene	15.771	268	31630	2.684	ppm	87
142) Indeno(1,2,3-cd)Pyrene	17.076	276	54313	3.209	ppm	98
143) Dibenz(a,h)anthracene	17.129	278	65673	3.652	ppm	95
144) Benzo(g,h,i)perylene	17.509	276	77512	4.388	ppm	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS162.D
Acq On : 27 Jun 2019 4:57 pm
Operator : J.Misiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 6 Sample Multiplier: 1

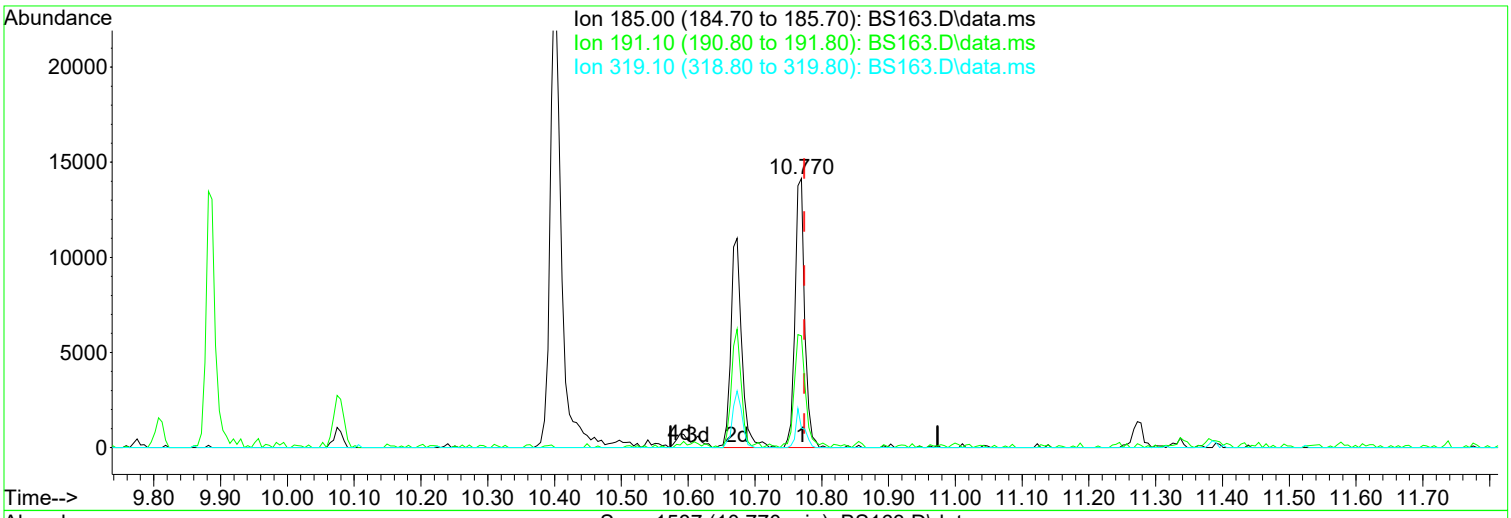
Quant Time: Jun 28 10:22:25 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration

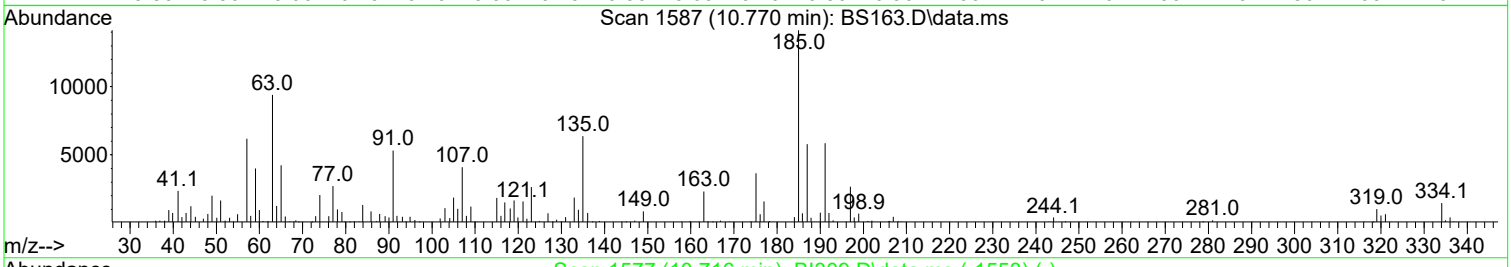


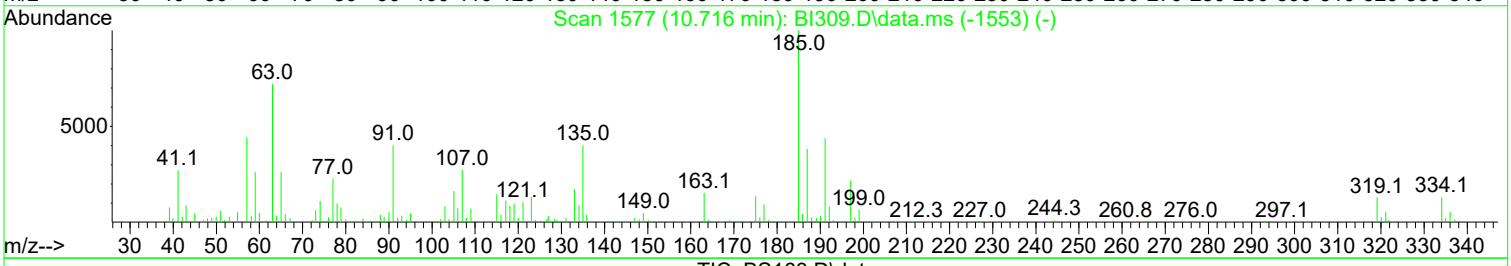
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS163.D
Acq On : 27 Jun 2019 5:26 pm
Operator : J.Misiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 28 10:22:30 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration







TIC: BS163.D\data.ms

(125) Aramite (TM)

10.770min (-0.004) 8.61 ppm m

response 26725

Ion	Exp%	Act%
185.00	100.00	100.00
191.10	40.80	41.48
319.10	11.90	7.22
0.00	0.00	0.00

Manual Integration:

After

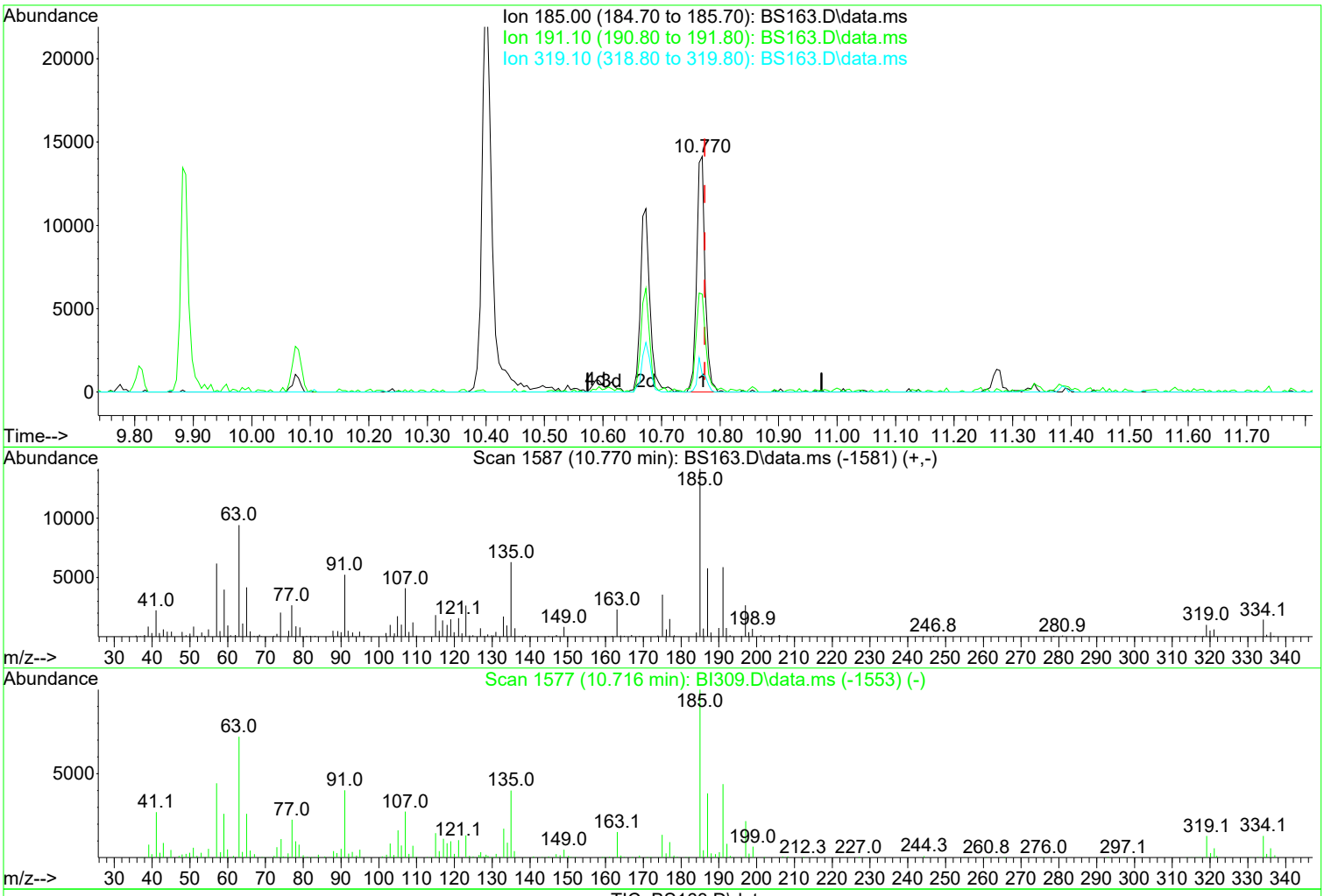
Split Peak.

06/28/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS163.D
Acq On : 27 Jun 2019 5:26 pm
Operator : J.Misiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 28 10:22:30 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration



TIC: BS163.D\data.ms

(125) Aramite (TM)

10.770min (-0.004) 4.60 ppm

response 14278

Ion	Exp%	Act%
185.00	100.00	100.00
191.10	40.80	41.48
319.10	11.90	7.22
0.00	0.00	0.00

Manual Integration:

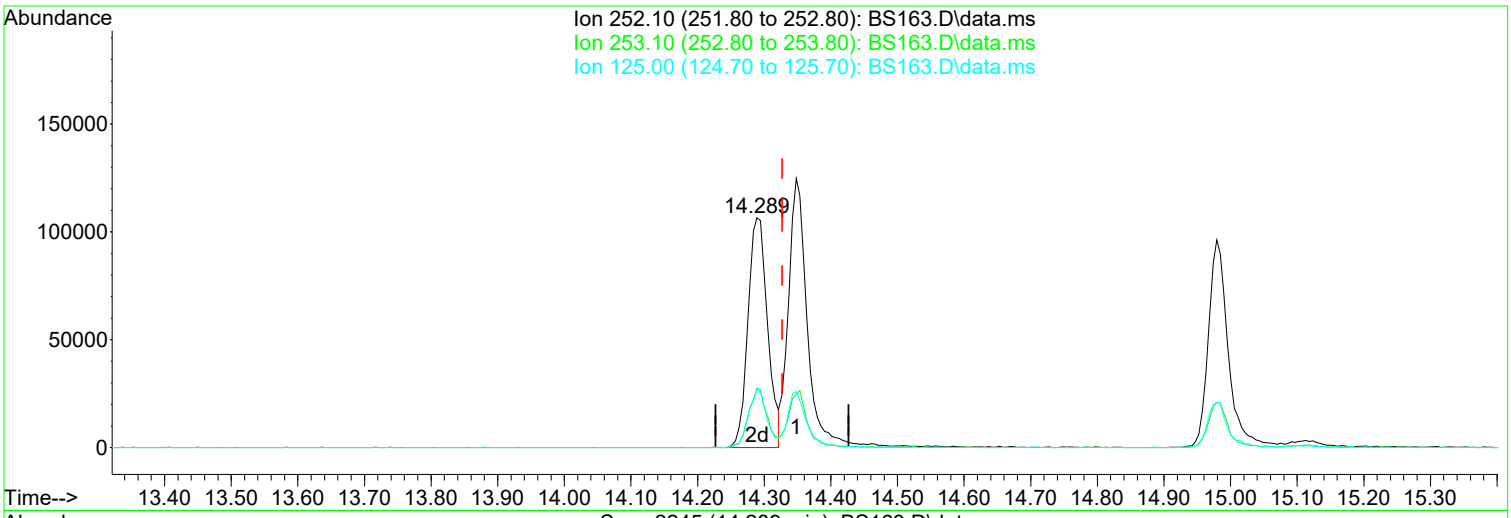
Before

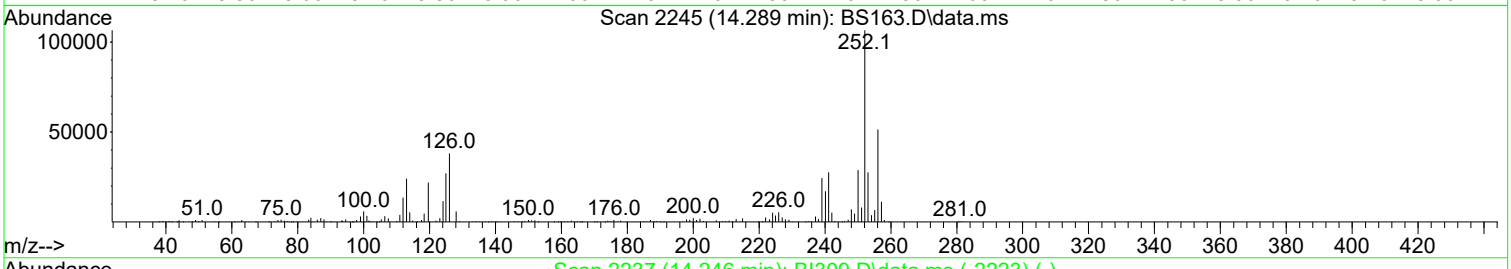
06/28/19

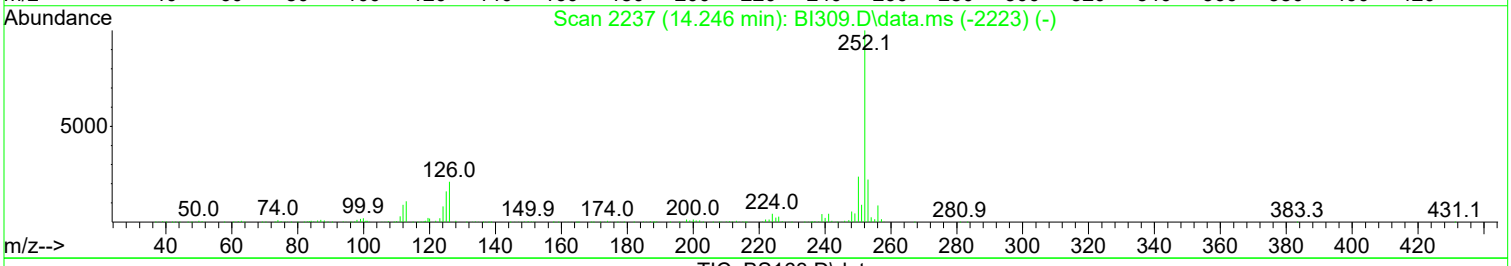
1st 07/01/19
2nd 07/01/19

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS163.D
Acq On : 27 Jun 2019 5:26 pm
Operator : J.Misiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 28 10:22:30 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration







TIC: BS163.D\data.ms

(138) Benzo(b)Fluoranthene (TM)

14.289min (-0.038) 9.76 ppm m

response 218270

Ion	Exp%	Act%
252.10	100.00	100.00
253.10	24.10	25.94
125.00	24.30	25.36
0.00	0.00	0.00

Manual Integration:

After

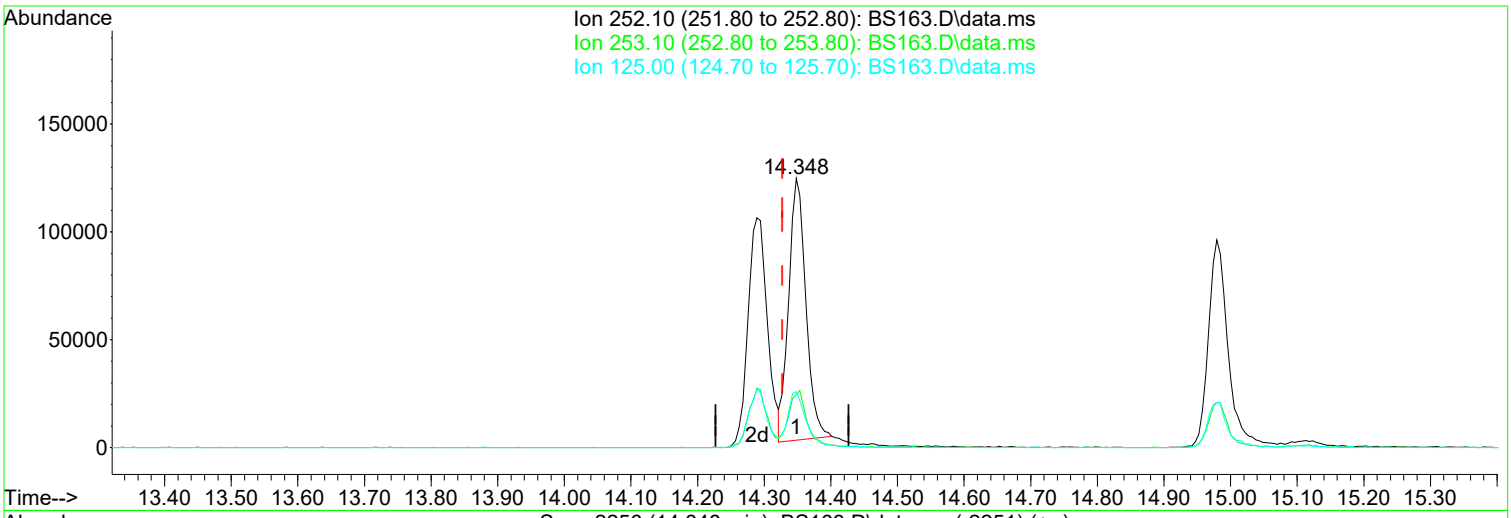
Wrong peak selected.

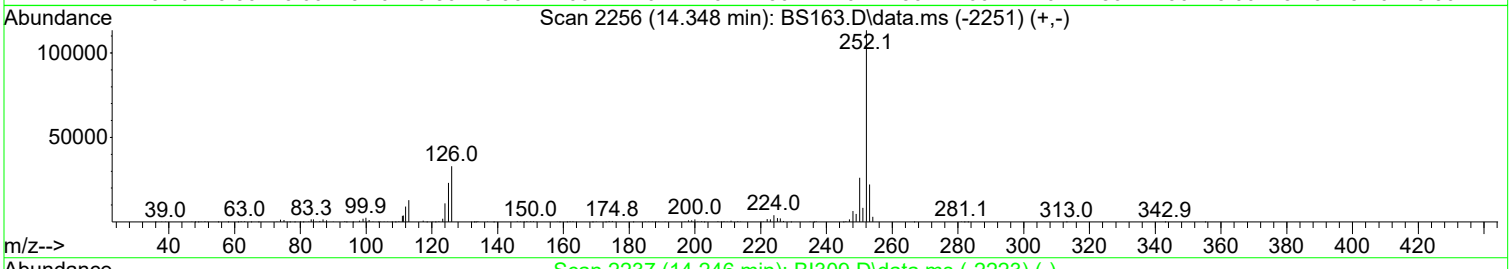
06/28/19

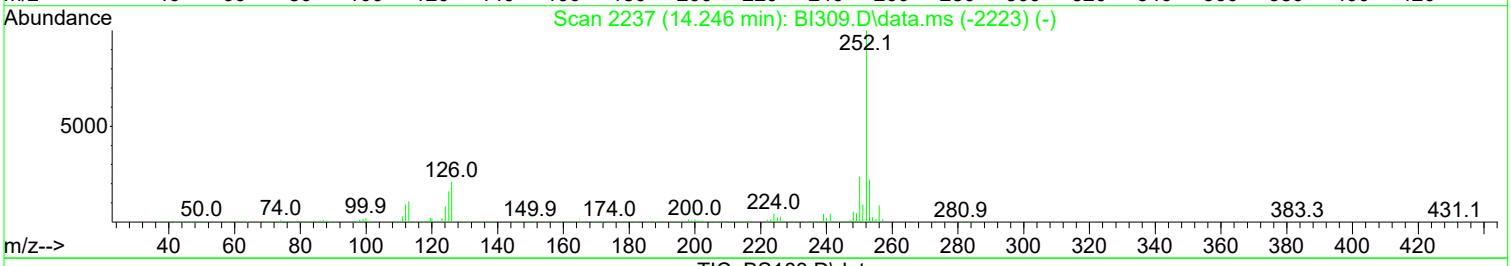
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS163.D
Acq On : 27 Jun 2019 5:26 pm
Operator : J.Misiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 28 10:22:30 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration







TIC: BS163.D\data.ms

(138) Benzo(b)Fluoranthene (TM)

14.348min (+ 0.021) 9.69 ppm

response 216880

Ion	Exp%	Act%
252.10	100.00	100.00
253.10	24.10	19.46
125.00	24.30	20.37
0.00	0.00	0.00

Manual Integration:

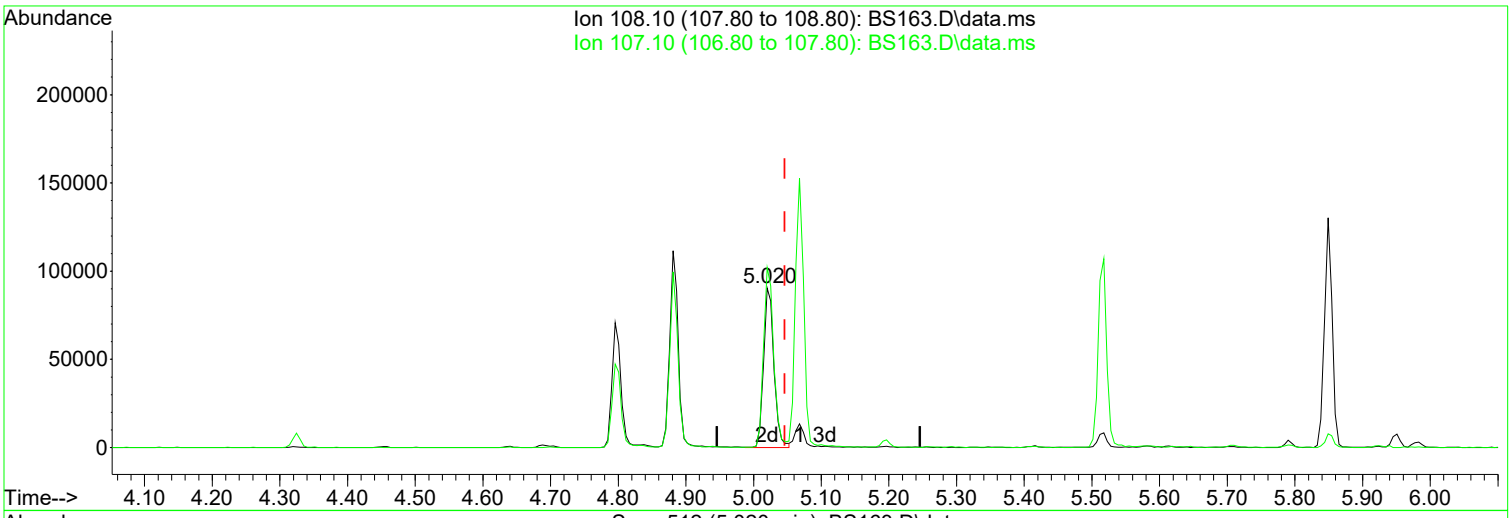
Before

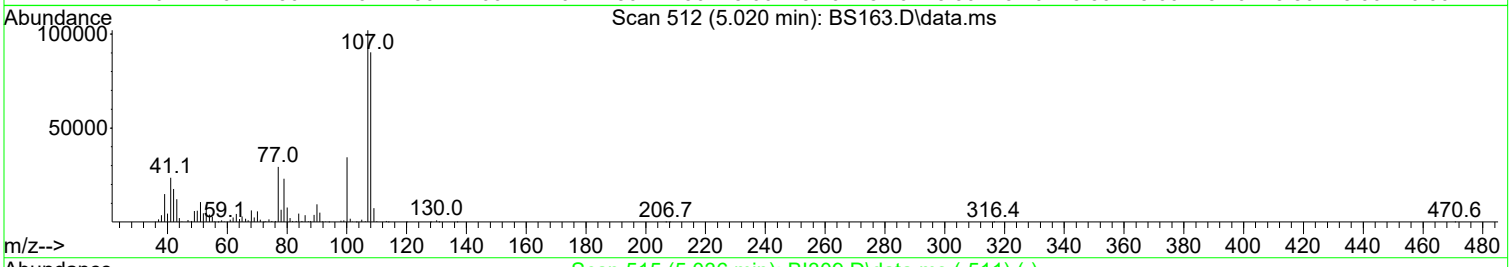
06/28/19

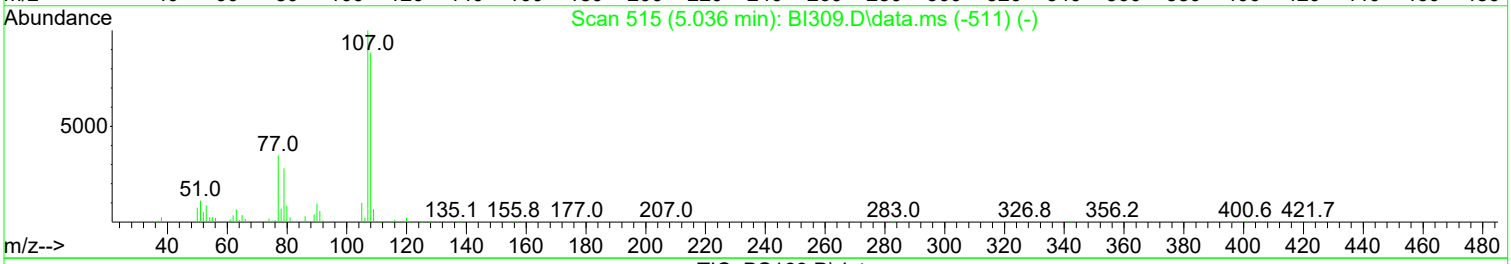
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS163.D
Acq On : 27 Jun 2019 5:26 pm
Operator : J.Misiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 28 10:22:30 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration







TIC: BS163.D\data.ms

(24) 3+4-Methylphenol (TM)

5.020min (-0.026) 9.89 ppm m

response 95613

Ion	Exp%	Act%
108.10	100.00	100.00
107.10	83.50	112.92#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

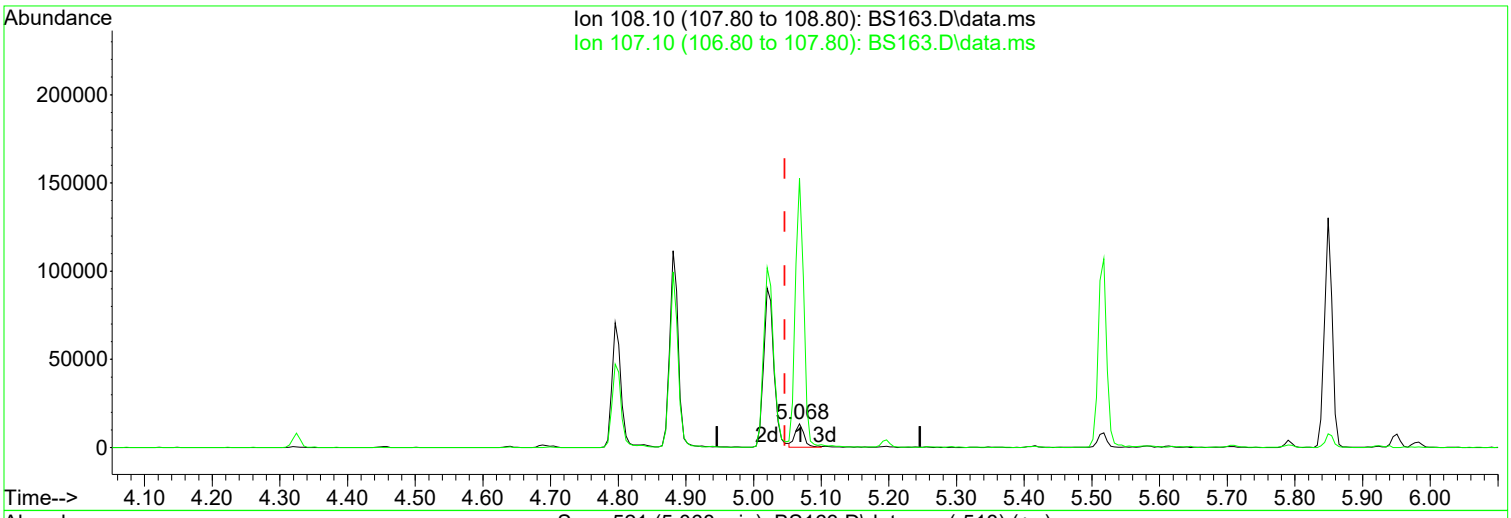
Peak not found.

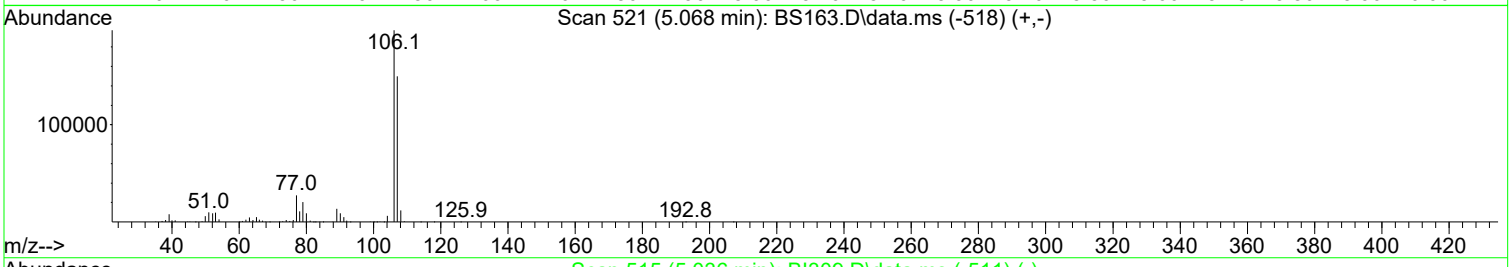
06/28/19

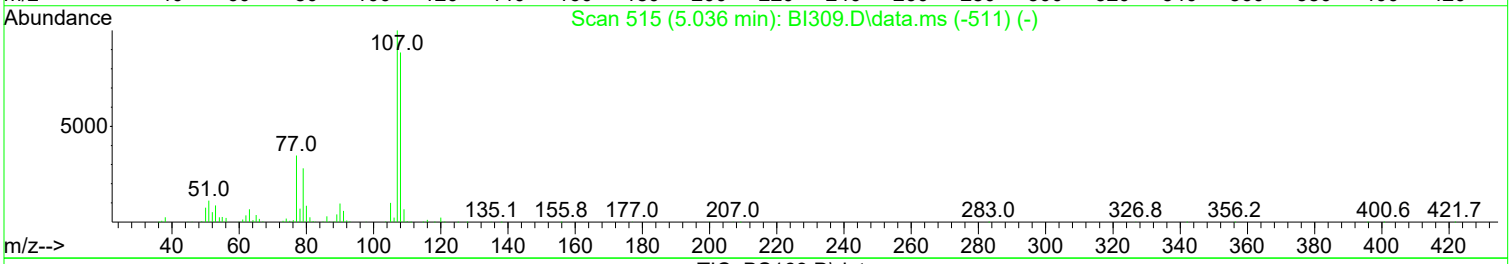
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS163.D
Acq On : 27 Jun 2019 5:26 pm
Operator : J.Misiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 28 10:22:30 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration







TIC: BS163.D\data.ms

(24) 3+4-Methylphenol (TM)

5.068min (+ 0.022) 1.30 ppm

response 12564

Ion	Exp%	Act%
108.10	100.00	100.00
107.10	83.50	1264.17#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

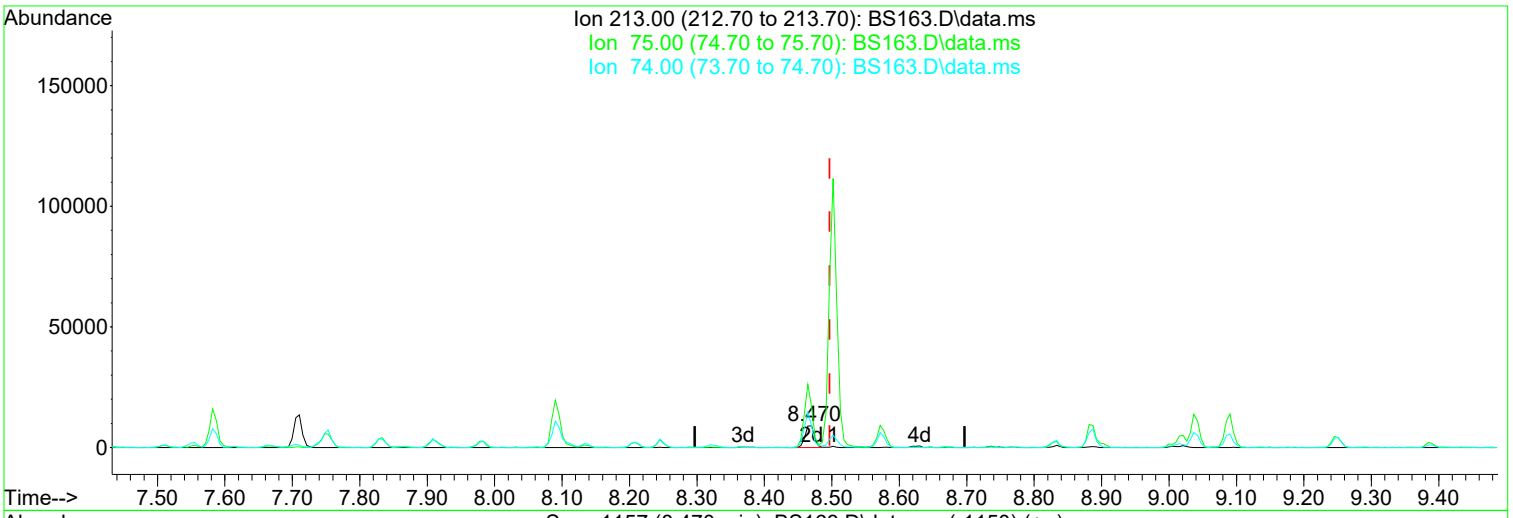
Before

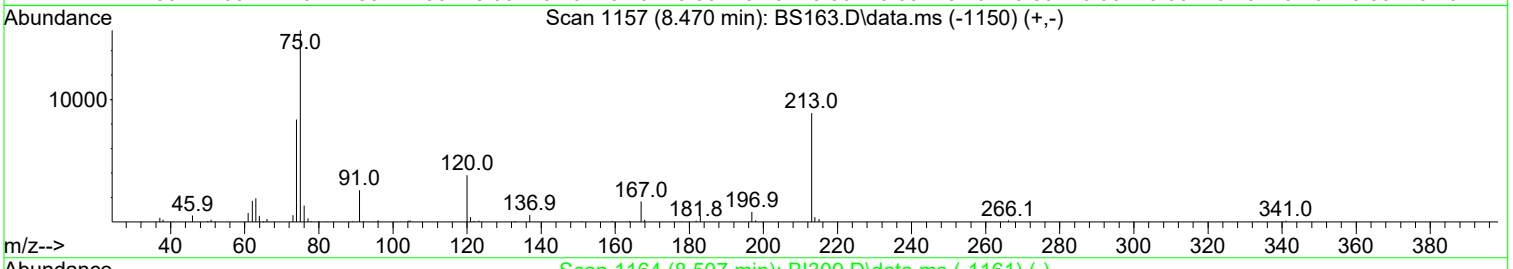
06/28/19

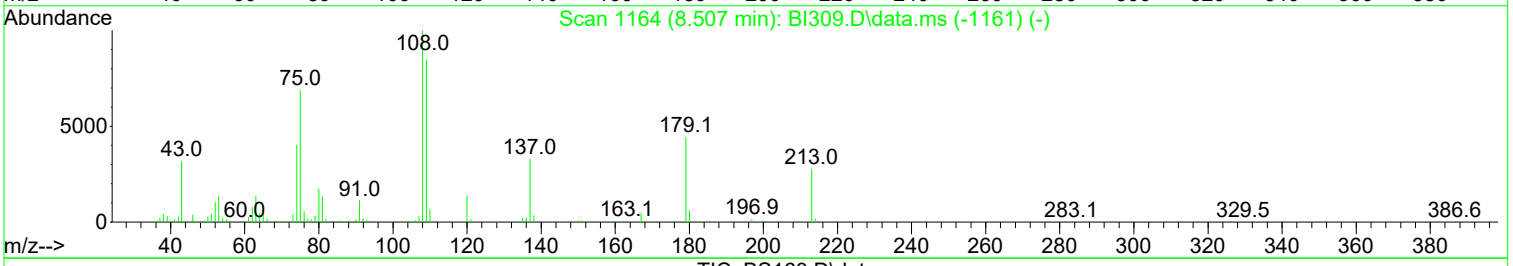
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS163.D
Acq On : 27 Jun 2019 5:26 pm
Operator : J.Misiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 28 10:22:30 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration







TIC: BS163.D\data.ms

(97) 1,3,5-Trinirobenzene (TM)

8.470min (-0.027) 10.01 ppm m

response 8384

Ion	Exp%	Act%
213.00	100.00	100.00
75.00	506.00	185.77#
74.00	151.50	97.43#
0.00	0.00	0.00

Manual Integration:

After

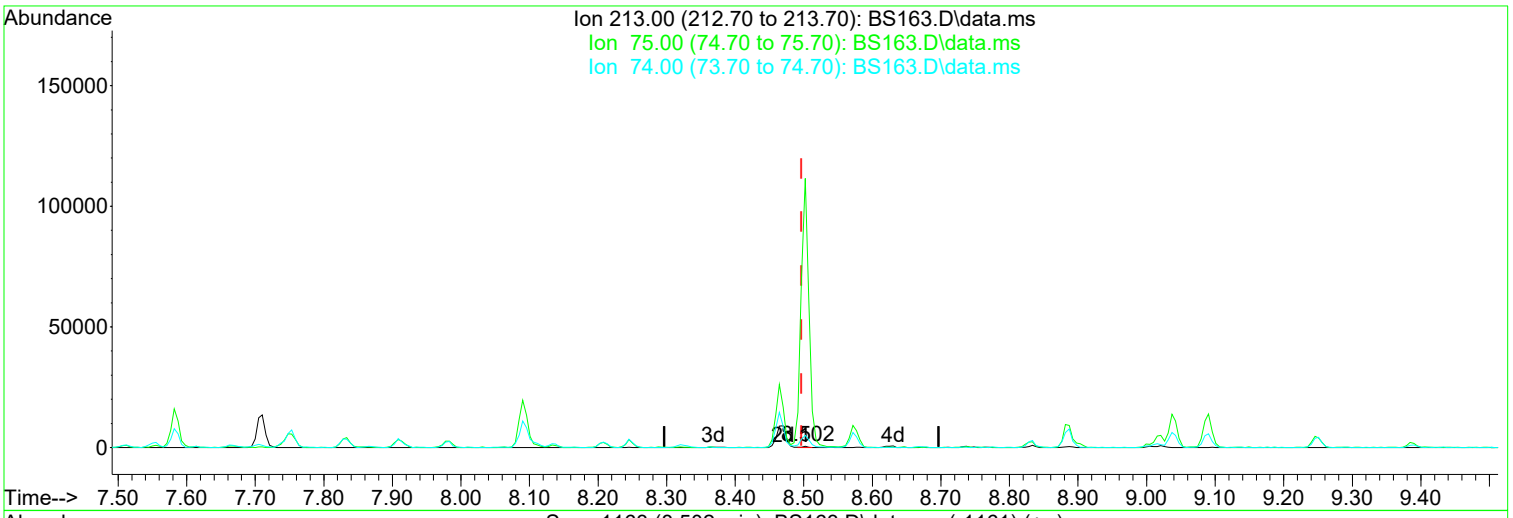
Wrong peak selected.

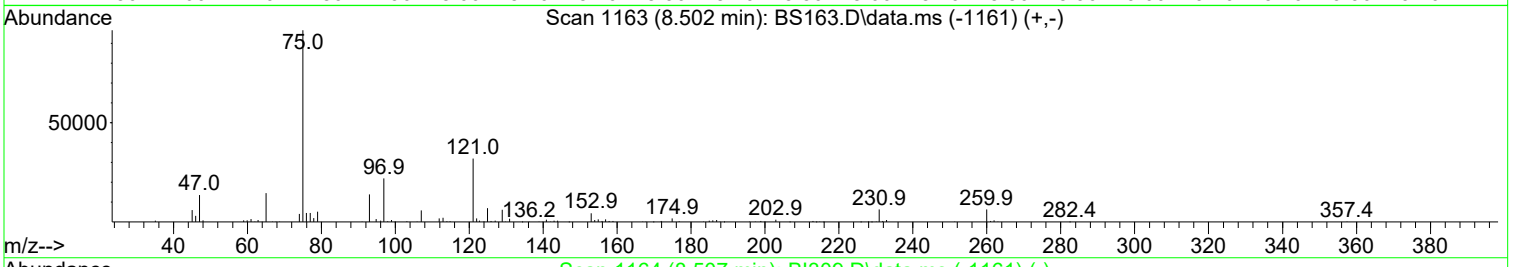
06/28/19

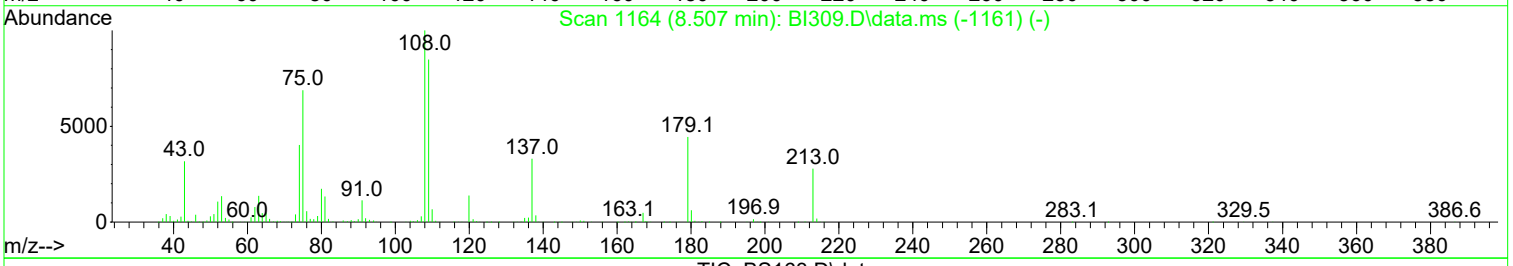
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS163.D
Acq On : 27 Jun 2019 5:26 pm
Operator : J.Misiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 28 10:22:30 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration







TIC: BS163.D\data.ms

(97) 1,3,5-Trinirobenzene (TM)

8.502min (+ 0.005) 3.13 ppm

response 262

Ion	Exp%	Act%
213.00	100.00	100.00
75.00	506.00	20786.34#
74.00	151.50	856.02#
0.00	0.00	0.00

Manual Integration:

Before

06/28/19

1st DM 07/01/19
2nd MP 07/01/19

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS163.D
Acq On : 27 Jun 2019 5:26 pm
Operator : J.Misiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 28 10:22:30 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.688	152	325168	40.00	ppm	0.00
33) d8-Naphthalene	5.849	136	1230820	40.00	ppm	0.00
57) d10-Acenaphthene	7.555	164	654209	40.00	ppm	0.00
91) d10-Phenanthrene	9.015	188	922107	40.00	ppm	0.00
117) d12-Chrysene	12.235	240	891273	40.00	ppm	-0.01
135) d12-Perylene	15.118	264	811715	40.00	ppm	0.00
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.619	112	101696	9.85	ppm	0.00
Spiked Amount 200.000	Range 10 - 70		Recovery =	4.92%#		
12) SURR2,PHENOL-D6	4.341	99	131110	10.09	ppm	-0.01
Spiked Amount 200.000	Range 10 - 107		Recovery =	5.04%#		
34) SURR4,NITROBENZENE-D5	5.175	82	86097	9.37	ppm	-0.01
Spiked Amount 100.000	Range 31 - 110		Recovery =	9.37%#		
63) SURR5,2-FLUOROBIPHENYL	6.892	172	213777	10.16	ppm	0.00
Spiked Amount 100.000	Range 31 - 118		Recovery =	10.16%#		
88) SURR3,2,4,6-TRIBROMOPH...	8.325	330	17262	7.95	ppm	0.00
Spiked Amount 200.000	Range 35 - 141		Recovery =	3.98%#		
124) SURR6,TERPHENYL-D14	10.690	244	183121	10.27	ppm	0.00
Spiked Amount 100.000	Range 10 - 165		Recovery =	10.27%		
Target Compounds						Qvalue
2) Pyridine	2.699	79	97830	9.707	ppm	96
3) N-Nitrosodimethylamine	2.672	74	32965	8.307	ppm	96
4) 2-Picoline	3.217	93	114707	9.849	ppm	99
5) N-Nitrosomethylamine	3.287	42	37699	10.758	ppm	95
6) Methyl Methansulfonate	3.506	80	53135	10.026	ppm	98
8) N-Nitrosodiethylamine	3.811	102	47169	9.616	ppm	95
9) Ethyl Mathanesulfonate	4.041	79	83373	10.400	ppm	95
10) Benzaldehyde	4.325	106	86652	10.695	ppm	96
11) Aniline	4.405	93	164318	10.188	ppm	96
13) Phenol	4.351	94	134175	10.358	ppm	98
14) bis(2-Clethyl)Ether	4.453	93	94486	9.690	ppm	94
15) Pentachloroethane	4.448	117	40019	9.937	ppm	97
16) 2-Chlorophenol	4.501	128	103654	9.673	ppm	98
17) 1,3-Diclbenzene	4.640	146	119041	10.159	ppm	99
18) 1,4-Dichlorobenzene	4.704	146	122647	10.233	ppm	97
19) 1,2-Diclbenzene	4.838	146	114215	10.124	ppm	100
20) Benzyl Alcohol	4.795	79	75509	9.956	ppm	97
21) 1-Methyl-2-pyrrolidinone	4.838	99	63426	9.808	ppm	98
22) 2,2'-oxybis(1-Chloropr...	4.913	45	122320	10.315	ppm	95
23) 2-Methylphenol	4.881	108	96937	10.132	ppm	98
24) 3+4-Methylphenol	5.020	108	95613m	9.886	ppm	
25) Acetophenone	5.036	105	143502	10.320	ppm	91
26) N-Nitroso-Di-n-propyla...	5.031	70	74749	10.824	ppm	92
27) N-Nitrosopyrrolidine	5.025	100	51418	9.963	ppm	76
28) N-Nitrosomorpholine	5.057	56	49238	10.296	ppm	97
29) o-Toluidine	5.068	106	173709	10.466	ppm	83
30) Hexachloroethane	5.138	117	46324	9.948	ppm	96
31) o,o,o-Triethylphosphor...	5.587	198	40804	10.466	ppm	91
35) Nitrobenzene	5.196	77	86956	9.636	ppm	97
36) N-Nitrosopiperidine	5.336	42	46930	10.210	ppm	93
37) Isophorone	5.410	82	188613	10.395	ppm	97
38) 2-Nitrophenol	5.491	139	32005	6.609	ppm	96
39) Benzoic Acid	5.587	105	64093	11.084	ppm	98

1st DM 07/01/19
2nd MP 07/01/19

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS163.D
Acq On : 27 Jun 2019 5:26 pm
Operator : J.Misiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270D/625
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Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) 2,4-Dimethylphenol	5.517	107	95297	10.027	ppm	97
41) bis(-2-Chloroethoxy)Me...	5.614	93	123877	10.263	ppm	99
42) 2,4-Dichlorophenol	5.710	162	77279	9.882	ppm	98
43) a,a-Dimethylphenethyla...	5.758	58	213797	10.312	ppm	100
44) 1,2,4-Trichlorobenzene	5.790	180	90762	10.198	ppm	99
45) Naphthalene	5.870	128	316615	10.672	ppm	96
46) 4-Chloroaniline	5.919	127	138860	10.436	ppm	96
47) 2,6-Dichlorophenol	5.924	162	77133	9.865	ppm	98
48) Hexachlorobutadiene	5.983	225	42205	10.078	ppm	98
49) Hexachloropropene	5.951	213	43075	9.412	ppm	100
50) 4-Chloro-3-methylphenol	6.373	107	75796	10.182	ppm	97
51) N-N-di-n-butylamine	6.239	84	77794	11.621	ppm	98
52) Caprolactam	6.250	113	24996	8.776	ppm	90
53) p-Phenylenediamine	6.266	80	39692	12.345	ppm	82
54) Safrole	6.448	162	74260	9.964	ppm	99
55) 2-Methylnaphthalene	6.534	142	210460	10.569	ppm	99
56) 1-Methylnaphthalene	6.630	142	193477	10.449	ppm	100
58) Hexachlorocyclopentadiene	6.683	237	45467	9.312	ppm	96
59) 1,2,4,5-Tetrachloroben...	6.694	216	85334	10.173	ppm	97
60) 1,2,3,4-Tetrachloroben...	6.972	216	83232	9.751	ppm	99
61) 2,4,6-Trichlorophenol	6.801	196	45910	8.795	ppm	98
62) 2,4,5-Trichlorophenol	6.838	196	48884	8.941	ppm	94
64) Isosafrole	6.951	104	31077	10.053	ppm	91
65) 1,1'-Biphenyl	6.988	154	245759	10.191	ppm	97
66) 2-Chloronaphthalene	7.010	162	210748	9.896	ppm	98
67) 2-Nitroaniline	7.106	65	41085	8.363	ppm	90
68) 1,4-Naphthoquinone	7.186	158	72635	11.795	ppm	98
69) m-Dinitrobenzene	7.320	168	18131	9.610	ppm	76
70) Acenaphthylene	7.411	152	310783	10.799	ppm	98
71) Dimethyl phthalate	7.288	163	188525	9.926	ppm	99
72) 2,6-Dinitrotoluene	7.347	165	33584	10.079	ppm	82
73) Acenaphthene	7.582	153	197121	10.436	ppm	99
74) 3-Nitroaniline	7.512	138	39824	9.549	ppm	91
75) 2,4-Dinitrophenol	7.614	184	8594	9.510	ppm	86
76) Dibenzofuran	7.753	168	266895	10.850	ppm	93
77) 2,4-Dinitrotoluene	7.742	165	35808	9.690	ppm	97
78) 4-Nitrophenol	7.662	65	21806	7.084	ppm	79
79) Pentachlorobenzene	7.710	250	69255	10.563	ppm	97
80) 1-Napthylamine	7.833	143	188590	9.583	ppm	98
81) 2-Napthylamine	7.908	143	189120	9.605	ppm	98
82) 2,3,4,6-Tetrachlorophenol	7.871	232	31483	7.363	ppm	93
83) Fluorene	8.090	166	204228	10.560	ppm	98
84) 4-Chlorophenyl-phenyle...	8.090	204	88447	10.429	ppm	95
85) Diethylphthalate	7.983	149	168766	9.045	ppm	100
86) 4-Nitroaniline	8.111	138	53284	8.699	ppm	97
87) 5-Nitro-o-toluidine	8.101	152	42965	6.969	ppm	94
89) Sulfotepp	8.368	322	15949	8.056	ppm	98
90) Octachlorocyclopentene	8.336	307	19494	9.553	ppm	97
92) Thionazin	8.063	107	24640	9.290	ppm	94
93) 4,6-Dinitro-2-methylph...	8.138	198	13329	10.055	ppm	96
94) Diphenylamine	8.208	169	156498	10.426	ppm	98
95) 1,2 Diphenylhydrazine	8.245	77	201376	11.442	ppm	95
96) N-Nitrosodiphenylamine	8.208	169	156498	10.424	ppm	98
97) 1,3,5-Trinirobenzene	8.470	213	8384m	10.011	ppm	
98) Diallate	8.491	86	60761	10.148	ppm	95
99) Phorate	8.502	121	28620	9.012	ppm	97

1st DM 07/01/19
2nd MP 07/01/19

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS163.D
Acq On : 27 Jun 2019 5:26 pm
Operator : J.Misiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 28 10:22:30 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration

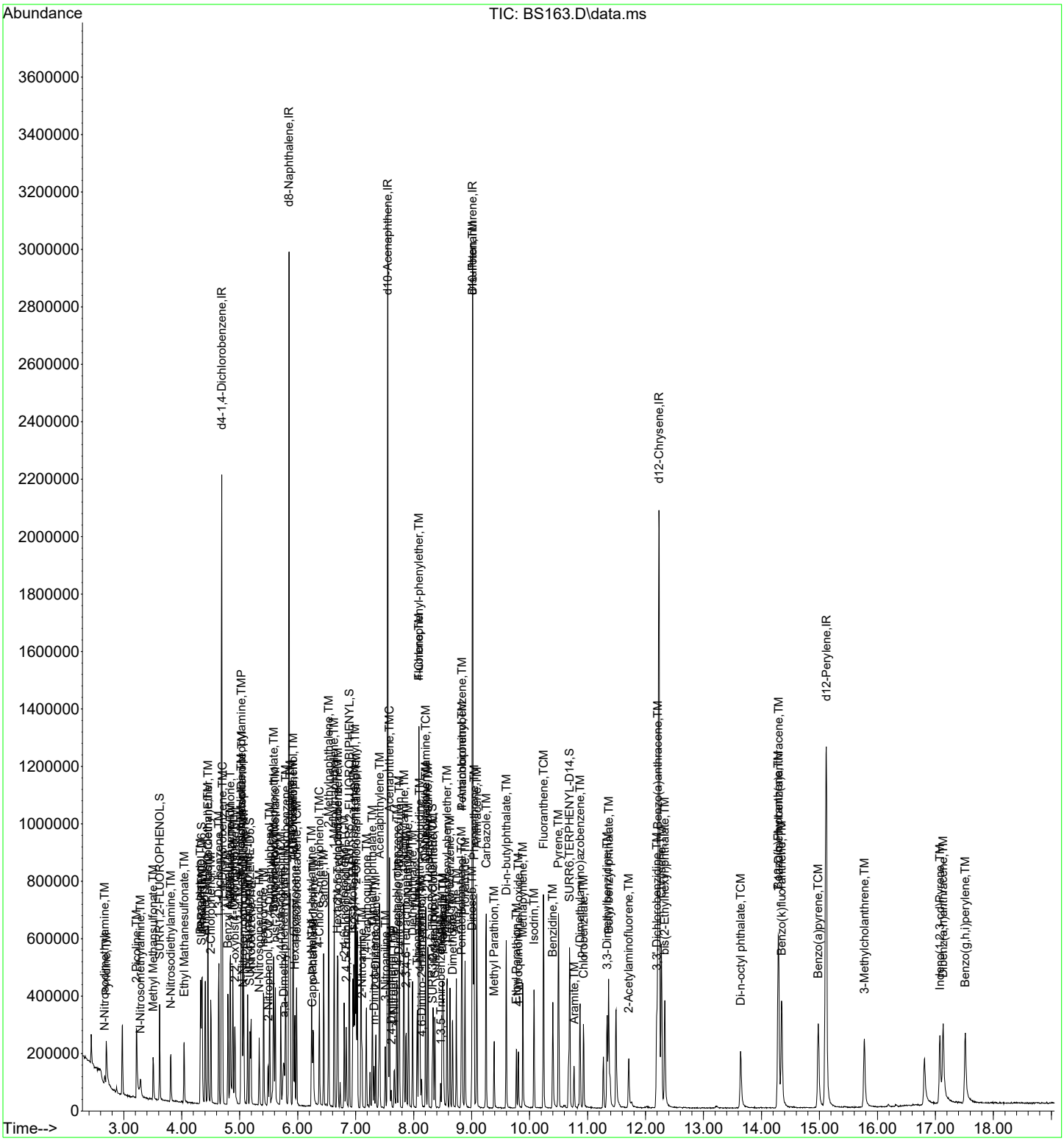
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
100) Phenacetin	8.513	108	75924	9.395	ppm	97
101) 4-Bromophenyl-phenylether	8.577	248	46042	10.784	ppm	96
102) Hexachlorobenzene	8.625	284	49861	10.864	ppm	99
103) Dimethoate	8.673	87	69476	11.416	ppm	99
104) Atrazine	8.737	215	23215	12.327	ppm	95
105) Pentachlorophenol	8.823	266	23034	8.286	ppm	95
106) 4-Aminobiphenyl	8.834	169	212536	11.218	ppm	98
107) Pentachloronitrobenzene	8.834	237	13639	8.946	ppm	96
108) Pronamide	8.887	173	79741	10.485	ppm	97
109) Dinoseb	9.005	211	16291	4.917	ppm	97
110) Disulfoton	9.015	88	96624	10.349	ppm	93
111) Phenanthrene	9.042	178	260847	10.628	ppm	97
112) Anthracene	9.090	178	266289	10.689	ppm	95
113) Carbazole	9.251	167	269648	11.042	ppm	97
114) Di-n-butylphthalate	9.598	149	311334	10.961	ppm	97
115) 4-Nitroquinonline-1-oxide	9.807	190	12583	10.049	ppm	84
116) Fluoranthene	10.240	202	280428	11.098	ppm	96
118) Methyl Parathion	9.390	109	41908	7.684	ppm	91
119) Ethyl Parathion	9.770	97	22589	6.281	ppm	93
120) Methapyrilene	9.882	58	118431	11.335	ppm	99
121) Isodrin	10.074	193	30212	9.494	ppm	90
122) Benzidine	10.401	184	165364	10.183	ppm	96
123) Pyrene	10.497	202	296654	10.453	ppm	97
125) Aramite	10.770	185	26725m	8.608	ppm	
126) p-(Dimethylamino)azobe...	10.871	120	83659	10.277	ppm	98
127) Chlorobenzilate	10.930	139	63358	8.319	ppm	95
128) Butyl benzyl phthalate	11.363	149	136257	9.892	ppm	97
129) 3,3-Dimethylbenzidine	11.337	212	136514	9.950	ppm	98
130) 2-Acetylaminofluorene	11.711	181	61591	10.034	ppm	99
131) 3,3'-Dichlorobenzidine	12.192	252	81208	9.535	ppm	96
132) Benzo(a)anthracene	12.214	228	256576	10.333	ppm	98
133) Chrysene	12.273	228	262233	10.799	ppm	98
134) bis(2-Ethylhexyl)phtha...	12.332	149	174252	8.887	ppm	98
136) Di-n-octyl phthalate	13.642	149	217105	9.663	ppm	98
137) 7,12-Dimethylbenz(a)an...	14.294	256	103254	9.986	ppm	99
138) Benzo(b)Fluoranthene	14.289	252	218270m	9.755	ppm	
139) Benzo(k)fluoranthene	14.348	252	233454	10.636	ppm	97
140) Benzo(a)pyrene	14.979	252	199246	9.855	ppm	99
141) 3-Methylcholanthrene	15.776	268	92931	8.100	ppm	99
142) Indeno(1,2,3-cd)Pyrene	17.076	276	145210	8.813	ppm	94
143) Dibenz(a,h)anthracene	17.135	278	172040	9.828	ppm	98
144) Benzo(g,h,i)perylene	17.514	276	180114	10.474	ppm	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st DM 07/01/19
2nd MP 07/01/19

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS163.D
Acq On : 27 Jun 2019 5:26 pm
Operator : J.Misiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 7 Sample Multiplier: 1

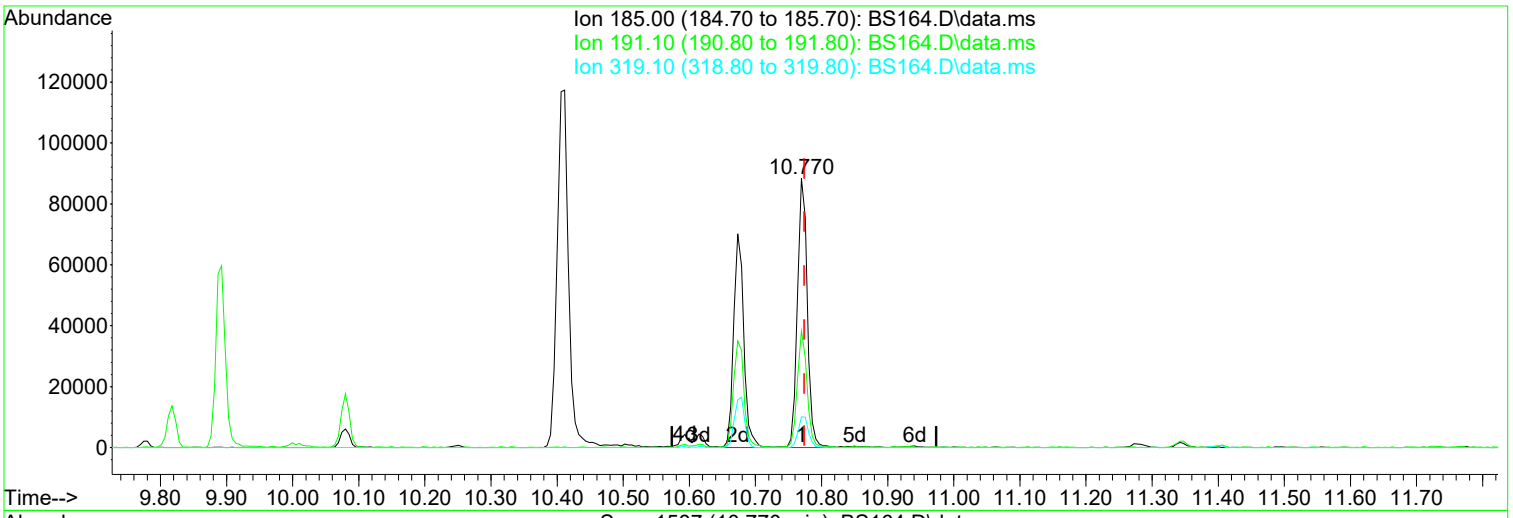
Quant Time: Jun 28 10:22:30 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration

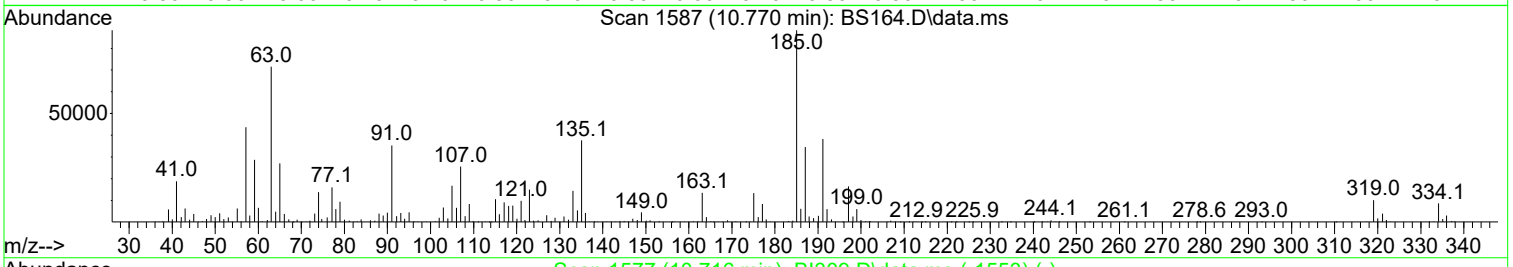


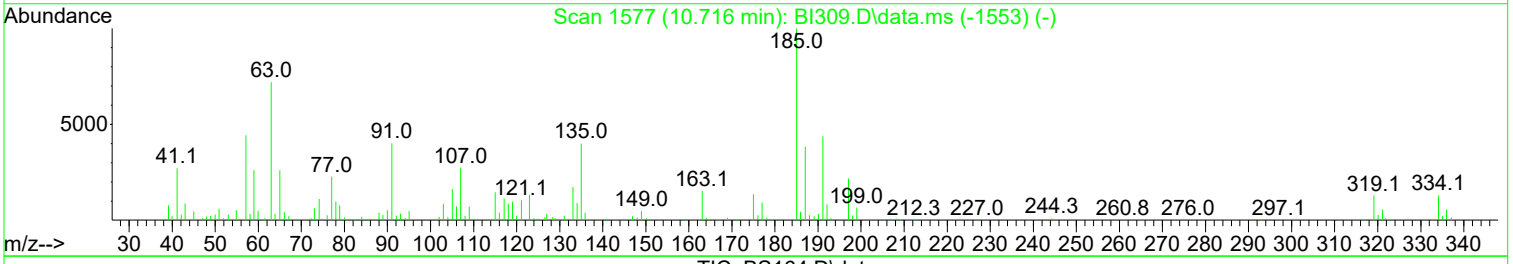
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS164.D
Acq On : 27 Jun 2019 5:54 pm
Operator : J.Misiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 28 10:22:35 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration







TIC: BS164.D\data.ms

(125) Aramite (TM)

10.770min (-0.004) 52.81 ppm m

response 164262

Ion	Exp%	Act%
185.00	100.00	100.00
191.10	40.80	43.25
319.10	11.90	11.44
0.00	0.00	0.00

Manual Integration:

After

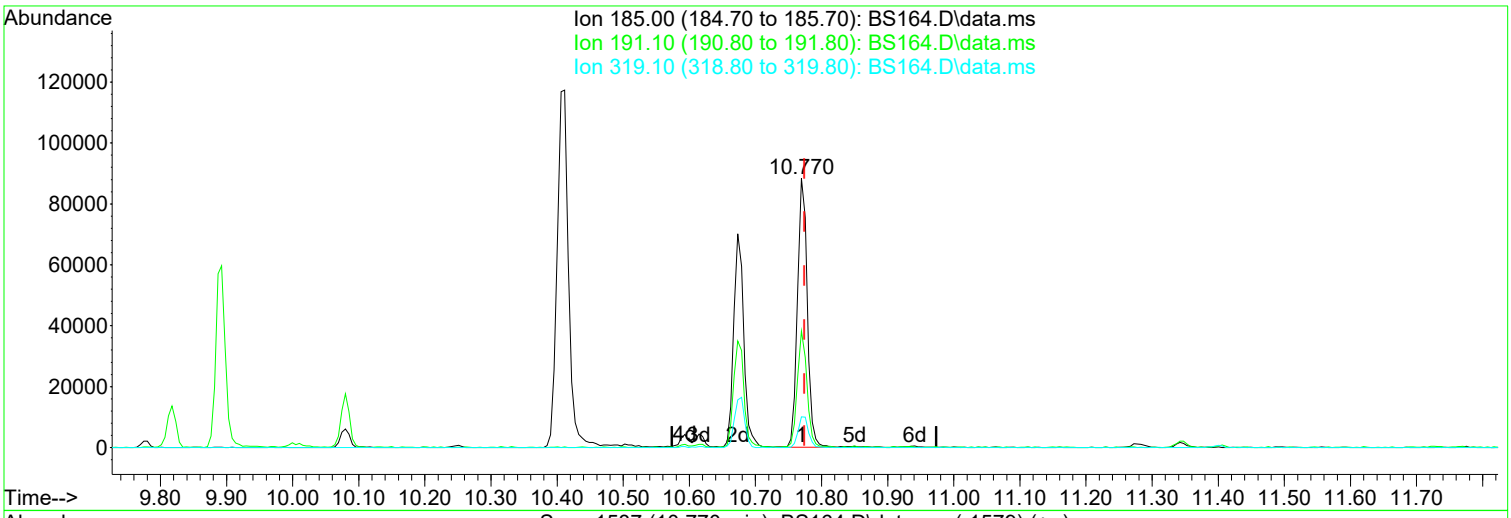
Split Peak.

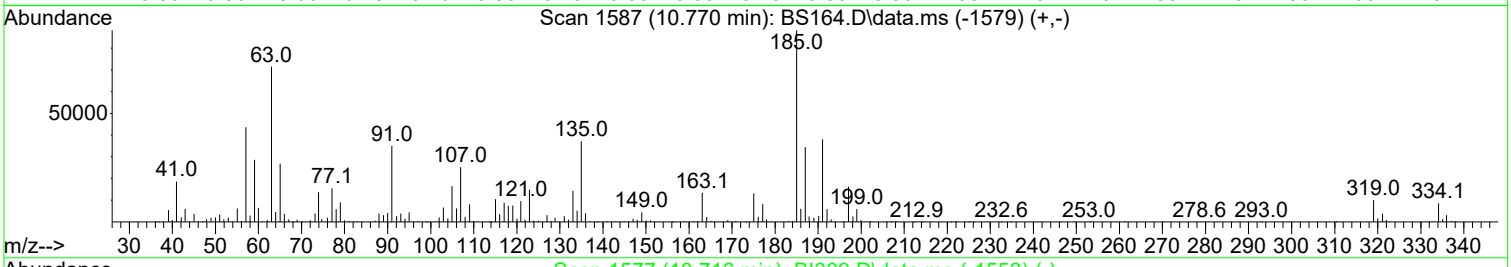
06/28/19

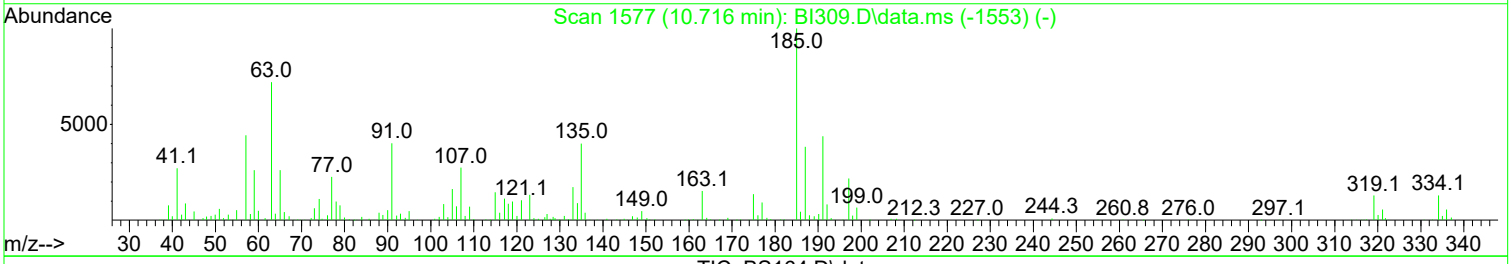
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS164.D
Acq On : 27 Jun 2019 5:54 pm
Operator : J.Misiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 28 10:22:35 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration







TIC: BS164.D\data.ms

(125) Aramite (TM)

10.770min (-0.004) 28.72 ppm

response 89327

Ion	Exp%	Act%
185.00	100.00	100.00
191.10	40.80	43.13
319.10	11.90	11.39
0.00	0.00	0.00

Manual Integration:

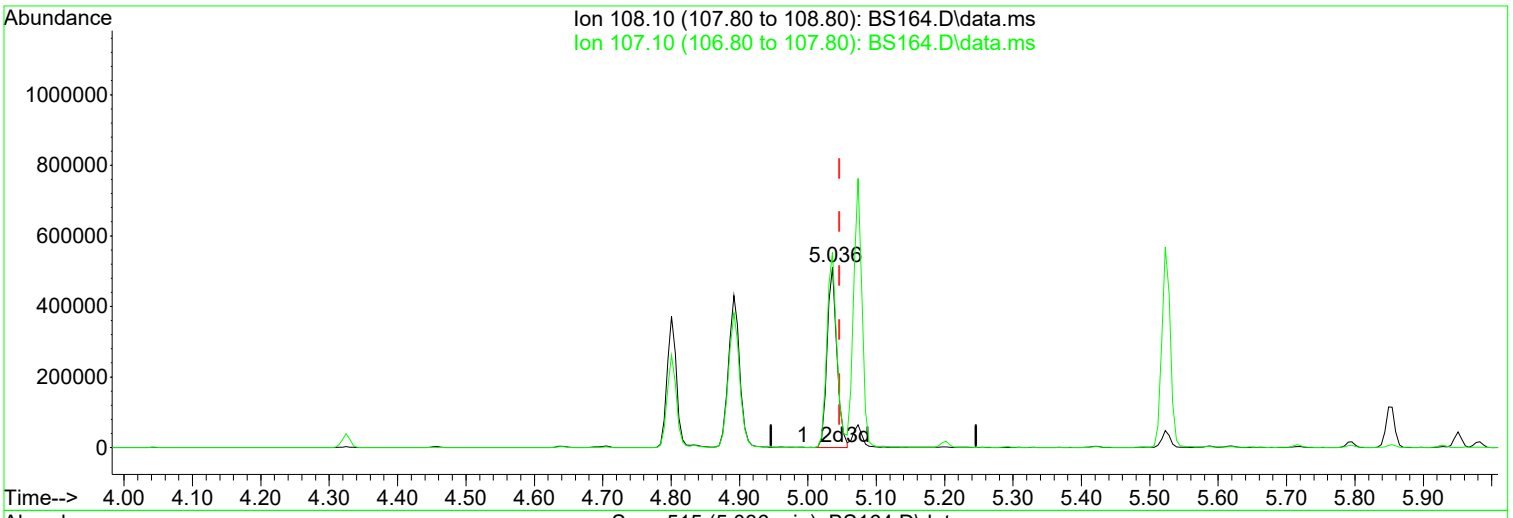
Before

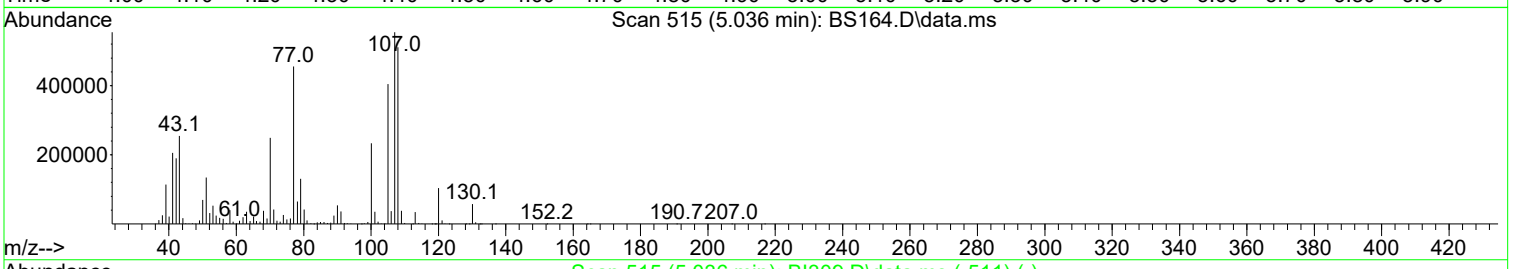
06/28/19

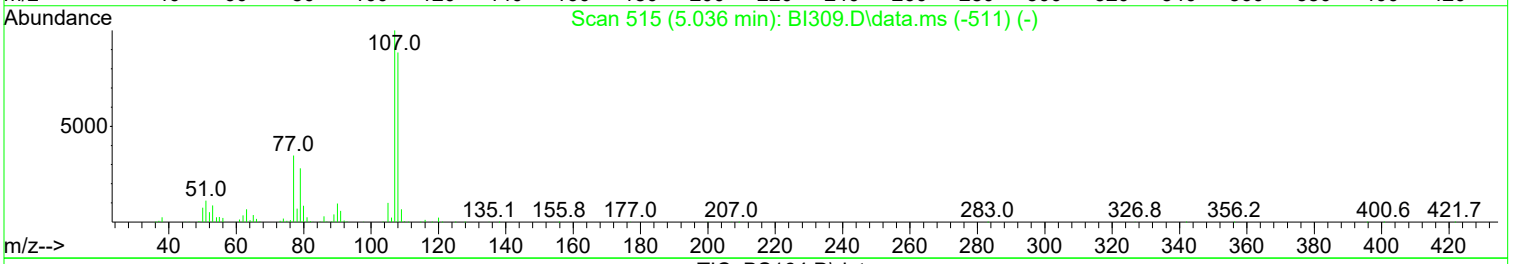
1st 07/01/19
2nd 07/01/19

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS164.D
Acq On : 27 Jun 2019 5:54 pm
Operator : J.Misiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 28 10:22:35 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration







TIC: BS164.D\data.ms

(24) 3+4-Methylphenol (TM)

5.036min (-0.010) 50.86 ppm m

response 504095

Ion	Exp%	Act%
108.10	100.00	100.00
107.10	83.50	108.57#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

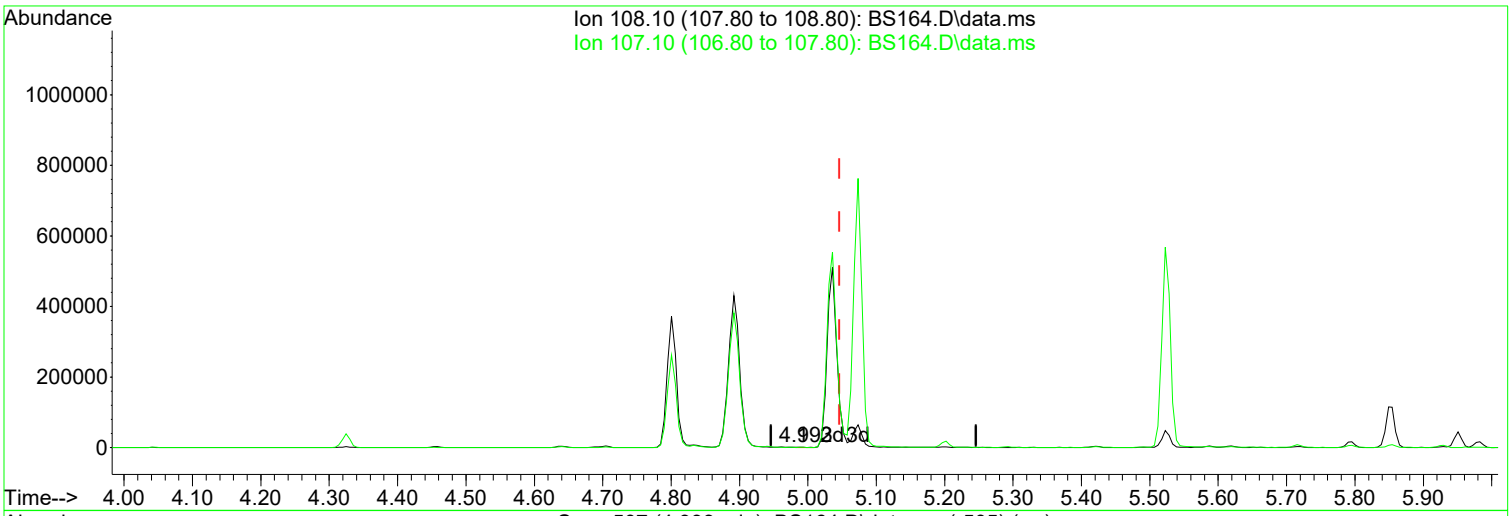
Wrong peak selected.

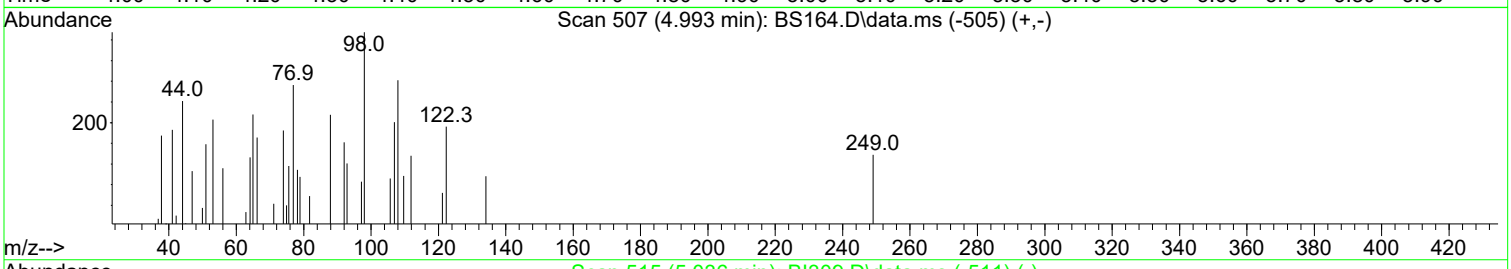
06/28/19

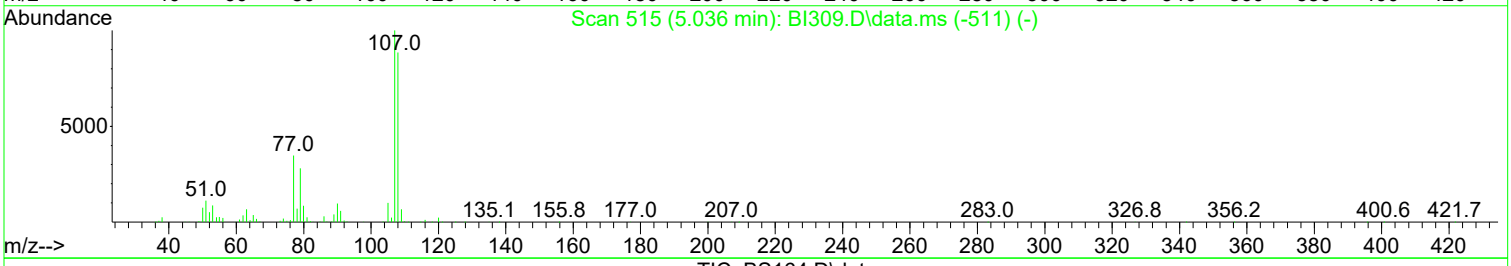
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS164.D
Acq On : 27 Jun 2019 5:54 pm
Operator : J.Misiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 28 10:22:35 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration







TIC: BS164.D\data.ms

(24) 3+4-Methylphenol (TM)

4.993min (-0.053) 0.04 ppm

response 394

Ion	Exp%	Act%
108.10	100.00	100.00
107.10	83.50	71.33
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

06/28/19

1st DM 07/01/19
2nd MP 07/01/19

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS164.D
Acq On : 27 Jun 2019 5:54 pm
Operator : J.Misiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 28 10:22:35 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.688	152	333221	40.00	ppm	0.00
33) d8-Naphthalene	5.854	136	1267550	40.00	ppm	0.00
57) d10-Acenaphthene	7.555	164	655002	40.00	ppm	0.00
91) d10-Phenanthrene	9.021	188	1035480	40.00	ppm	0.00
117) d12-Chrysene	12.241	240	892923	40.00	ppm	0.00
135) d12-Perylene	15.124	264	852775	40.00	ppm	0.00
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.619	112	540524	51.09	ppm	0.00
Spiked Amount 200.000	Range 10 - 70		Recovery =	25.55%		
12) SURR2,PHENOL-D6	4.346	99	676550	50.82	ppm	0.00
Spiked Amount 200.000	Range 10 - 107		Recovery =	25.41%		
34) SURR4,NITROBENZENE-D5	5.180	82	482270	50.94	ppm	0.00
Spiked Amount 100.000	Range 31 - 110		Recovery =	50.94%		
63) SURR5,2-FLUOROBIPHENYL	6.892	172	1034220	49.09	ppm	0.00
Spiked Amount 100.000	Range 31 - 118		Recovery =	49.09%		
88) SURR3,2,4,6-TRIBROMOPH...	8.331	330	108346	49.84	ppm	0.00
Spiked Amount 200.000	Range 35 - 141		Recovery =	24.92%#		
124) SURR6,TERPHENYL-D14	10.695	244	942029	52.73	ppm	0.00
Spiked Amount 100.000	Range 10 - 165		Recovery =	52.73%		
Target Compounds						Qvalue
2) Pyridine	2.688	79	550873	53.336	ppm	98
3) N-Nitrosodimethylamine	2.661	74	271757	50.026	ppm	99
4) 2-Picoline	3.212	93	607028	50.861	ppm	99
5) N-Nitrosomethylamine	3.287	42	174251	48.526	ppm	98
6) Methyl Methansulfonate	3.512	80	277068	51.015	ppm	98
8) N-Nitrosodiethylamine	3.811	102	252574	50.244	ppm	98
9) Ethyl Mathanesulfonate	4.041	79	411783	50.124	ppm	97
10) Benzaldehyde	4.325	106	419477	50.524	ppm	97
11) Aniline	4.410	93	840866	50.877	ppm	99
13) Phenol	4.357	94	673964	50.771	ppm	98
14) bis(2-Clethyl)Ether	4.453	93	514543	51.495	ppm	97
15) Pentachloroethane	4.453	117	208324	50.477	ppm	100
16) 2-Chlorophenol	4.506	128	561335	51.119	ppm	97
17) 1,3-Diclbenzene	4.640	146	600674	50.024	ppm	99
18) 1,4-Dichlorobenzene	4.704	146	617042	50.237	ppm	99
19) 1,2-Diclbenzene	4.838	146	576252	49.843	ppm	99
20) Benzyl Alcohol	4.801	79	402012	51.725	ppm	98
21) 1-Methyl-2-pyrrolidinone	4.870	99	343294	51.801	ppm	96
22) 2,2'-oxybis(1-Chloropr...	4.918	45	606194	49.883	ppm	96
23) 2-Methylphenol	4.892	108	492571	50.239	ppm	98
24) 3+4-Methylphenol	5.036	108	504095m	50.861	ppm	
25) Acetophenone	5.041	105	713396	50.066	ppm	94
26) N-Nitroso-Di-n-propyla...	5.041	70	357474	50.515	ppm	98
27) N-Nitrosopyrrolidine	5.036	100	272369	51.499	ppm	90
28) N-Nitrosomorpholine	5.068	56	241404	49.259	ppm	96
29) o-Toluidine	5.073	106	855732	50.310	ppm	84
30) Hexachloroethane	5.138	117	236591	49.580	ppm	98
31) o,o,o-Triethylphosphor...	5.587	198	200854	50.271	ppm	90
35) Nitrobenzene	5.202	77	486078	52.304	ppm	94
36) N-Nitrosopiperidine	5.346	42	235464	49.741	ppm	94
37) Isophorone	5.421	82	952225	50.958	ppm	98
38) 2-Nitrophenol	5.491	139	217598	43.632	ppm	98
39) Benzoic Acid	5.619	105	228575	38.384	ppm	99

1st DM 07/01/19
2nd MP 07/01/19

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS164.D
Acq On : 27 Jun 2019 5:54 pm
Operator : J.Misiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 28 10:22:35 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40) 2,4-Dimethylphenol	5.523	107	495080	50.581	ppm		96
41) bis(-2-Chloroethoxy)Me...	5.619	93	630916	50.754	ppm		100
42) 2,4-Dichlorophenol	5.715	162	420377	52.200	ppm		99
43) a,a-Dimethylphenethyla...	5.849	58	1146603	53.702	ppm		71
44) 1,2,4-Trichlorobenzene	5.795	180	459095	50.087	ppm		97
45) Naphthalene	5.870	128	1537944	50.338	ppm		98
46) 4-Chloroaniline	5.924	127	704224	51.390	ppm		98
47) 2,6-Dichlorophenol	5.929	162	415348	51.581	ppm		98
48) Hexachlorobutadiene	5.983	225	218049	50.556	ppm		96
49) Hexachloropropene	5.951	213	238681	50.639	ppm		99
50) 4-Chloro-3-methylphenol	6.384	107	400529	52.246	ppm		99
51) N-N-di-n-butylamine	6.245	84	328351	47.627	ppm		97
52) Caprolactam	6.282	113	143589	48.951	ppm		98
53) p-Phenylenediamine	6.282	80	173621	52.433	ppm		96
54) Safrole	6.453	162	384670	50.116	ppm		95
55) 2-Methylnaphthalene	6.539	142	1027658	50.112	ppm		99
56) 1-Methylnaphthalene	6.635	142	950127	49.824	ppm		98
58) Hexachlorocyclopentadiene	6.683	237	248540	50.841	ppm		99
59) 1,2,4,5-Tetrachloroben...	6.694	216	412334	49.098	ppm		98
60) 1,2,3,4-Tetrachloroben...	6.972	216	415120	48.576	ppm		99
61) 2,4,6-Trichlorophenol	6.806	196	265003	50.708	ppm		99
62) 2,4,5-Trichlorophenol	6.844	196	269700	49.270	ppm		97
64) Isosafrole	6.956	104	155267	50.168	ppm		98
65) 1,1'-Biphenyl	6.994	154	1203323	49.839	ppm		98
66) 2-Chloronaphthalene	7.015	162	1085815	50.922	ppm		99
67) 2-Nitroaniline	7.111	65	237387	48.261	ppm		91
68) 1,4-Naphthoquinone	7.191	158	301618	48.920	ppm		97
69) m-Dinitrobenzene	7.325	168	131529	48.867	ppm		87
70) Acenaphthylene	7.416	152	1467222	50.922	ppm		98
71) Dimethyl phthalate	7.298	163	923188	48.547	ppm		99
72) 2,6-Dinitrotoluene	7.352	165	196175	47.871	ppm		87
73) Acenaphthene	7.587	153	950605	50.264	ppm		99
74) 3-Nitroaniline	7.518	138	260611	49.816	ppm		99
75) 2,4-Dinitrophenol	7.625	184	75150	48.435	ppm		96
76) Dibenzofuran	7.758	168	1248178	50.679	ppm		96
77) 2,4-Dinitrotoluene	7.753	165	257976	49.183	ppm		97
78) 4-Nitrophenol	7.678	65	145930	47.351	ppm		85
79) Pentachlorobenzene	7.710	250	327749	49.929	ppm		99
80) 1-Napthylamine	7.839	143	986280	50.054	ppm		99
81) 2-Napthylamine	7.919	143	1016211	51.548	ppm		99
82) 2,3,4,6-Tetrachlorophenol	7.876	232	197060	46.034	ppm		98
83) Fluorene	8.095	166	964692	49.821	ppm		98
84) 4-Chlorophenyl-phenyle...	8.095	204	421913	49.686	ppm		94
85) Diethylphthalate	7.988	149	963520	51.579	ppm		98
86) 4-Nitroaniline	8.127	138	301879	49.223	ppm		98
87) 5-Nitro-o-toluidine	8.117	152	284870	46.148	ppm		98
89) Sulfotepp	8.374	322	101545	51.229	ppm		97
90) Octachlorocyclopentene	8.341	307	107675	52.703	ppm		98
92) Thionazin	8.069	107	155199	52.108	ppm		99
93) 4,6-Dinitro-2-methylph...	8.149	198	112591	47.549	ppm		98
94) Diphenylamine	8.213	169	837591	49.690	ppm		99
95) 1,2 Diphenylhydrazine	8.251	77	944346	47.781	ppm		97
96) N-Nitrosodiphenylamine	8.213	169	837591	49.682	ppm		99
97) 1,3,5-Trinirobenzene	8.486	213	67991	47.905	ppm	#	1
98) Diallate	8.497	86	330693	49.184	ppm		89
99) Phorate	8.507	121	181815	50.984	ppm		94

1st DM 07/01/19
2nd MP 07/01/19

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS164.D
Acq On : 27 Jun 2019 5:54 pm
Operator : J.Misiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 28 10:22:35 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration

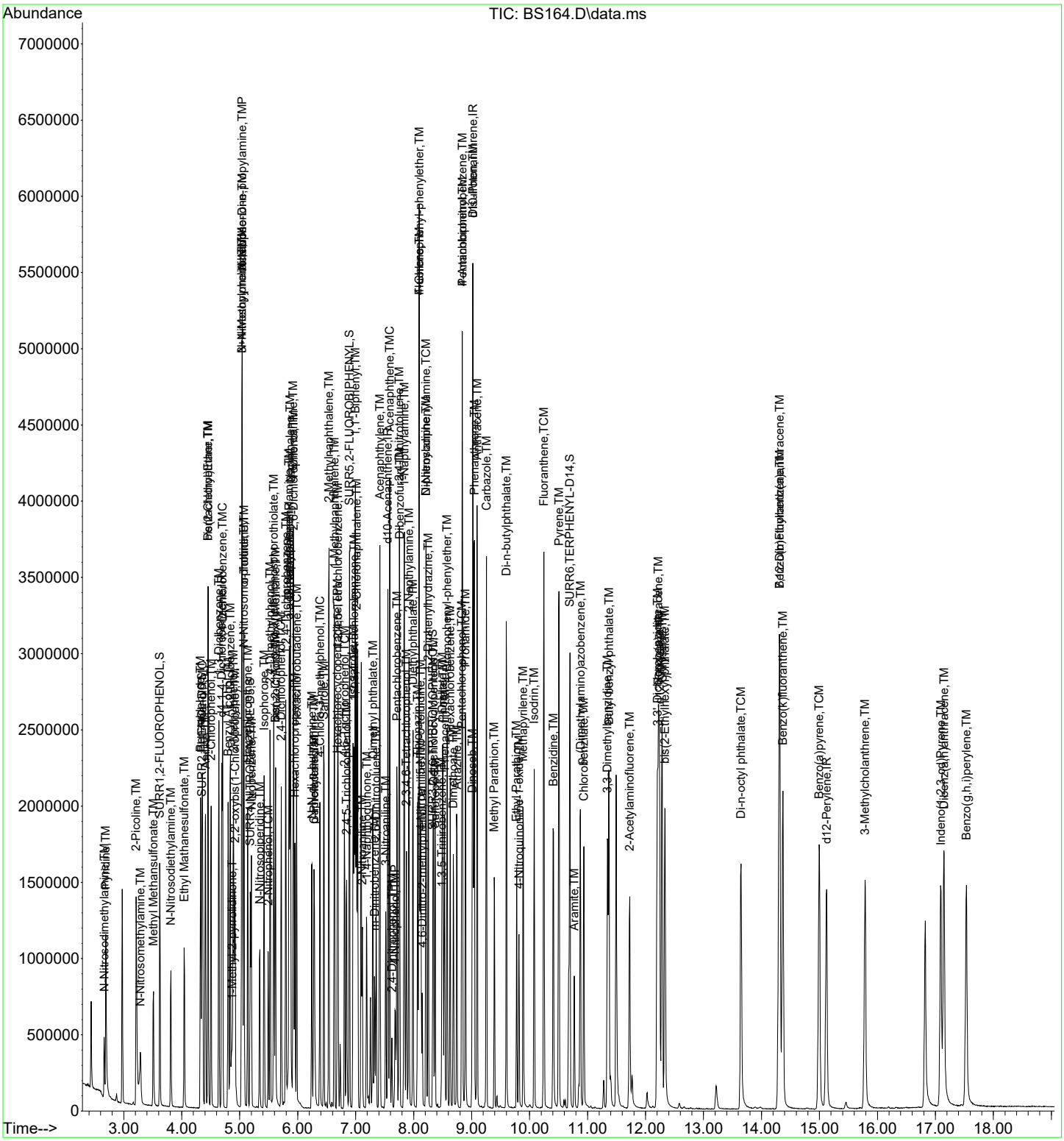
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
100) Phenacetin	8.534	108	461603	50.867	ppm	98
101) 4-Bromophenyl-phenylether	8.577	248	226487	47.241	ppm	98
102) Hexachlorobenzene	8.630	284	249200	48.350	ppm	99
103) Dimethoate	8.684	87	378709	55.417	ppm	98
104) Atrazine	8.748	215	113981	53.897	ppm	91
105) Pentachlorophenol	8.828	266	144609	46.324	ppm	97
106) 4-Aminobiphenyl	8.839	169	1154985	54.287	ppm	99
107) Pentachloronitrobenzene	8.839	237	89474	52.261	ppm	99
108) Pronamide	8.892	173	443250	51.899	ppm	99
109) Dinoseb	9.010	211	144504	38.838	ppm	99
110) Disulfoton	9.021	88	526370	50.204	ppm	97
111) Phenanthrene	9.047	178	1379921	50.067	ppm	97
112) Anthracene	9.096	178	1440370	51.487	ppm	98
113) Carbazole	9.256	167	1397113	50.946	ppm	98
114) Di-n-butylphthalate	9.598	149	1742115	54.620	ppm	98
115) 4-Nitroquinonline-1-oxide	9.818	190	117710	46.212	ppm	98
116) Fluoranthene	10.246	202	1456085	51.317	ppm	98
118) Methyl Parathion	9.390	109	283229	51.836	ppm	97
119) Ethyl Parathion	9.775	97	172465	47.870	ppm	99
120) Methapyrilene	9.887	58	569884	54.442	ppm	97
121) Isodrin	10.080	193	165293	51.849	ppm	94
122) Benzidine	10.411	184	886912	54.516	ppm	98
123) Pyrene	10.508	202	1510723	53.133	ppm	97
125) Aramite	10.770	185	164262m	52.809	ppm	
126) p-(Dimethylamino)azobe...	10.877	120	452524	55.485	ppm	97
127) Chlorobenzilate	10.936	139	378636	49.623	ppm	94
128) Butyl benzyl phthalate	11.369	149	734513	53.224	ppm	98
129) 3,3-Dimethylbenzidine	11.342	212	783654	57.014	ppm	99
130) 2-Acetylaminofluorene	11.727	181	489376	48.075	ppm	99
131) 3,3'-Dichlorobenzidine	12.203	252	466664	54.692	ppm	99
132) Benzo(a)anthracene	12.219	228	1277953	51.374	ppm	100
133) Chrysene	12.289	228	1235831	50.798	ppm	99
134) bis(2-Ethylhexyl)phtha...	12.337	149	1011914	51.514	ppm	99
136) Di-n-octyl phthalate	13.647	149	1646695	49.612	ppm	99
137) 7,12-Dimethylbenz(a)an...	14.311	256	585535	53.901	ppm	98
138) Benzo(b)Fluoranthene	14.311	252	1246144	53.012	ppm	98
139) Benzo(k)fluoranthene	14.369	252	1249567	54.188	ppm	98
140) Benzo(a)pyrene	14.995	252	1165413	54.869	ppm	99
141) 3-Methylcholanthrene	15.787	268	607983	50.442	ppm	99
142) Indeno(1,2,3-cd)Pyrene	17.097	276	910701	52.609	ppm	99
143) Dibenz(a,h)anthracene	17.151	278	994484	54.076	ppm	98
144) Benzo(g,h,i)perylene	17.536	276	981647	54.337	ppm	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st 07/01/19
2nd 07/01/19

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS164.D
Acq On : 27 Jun 2019 5:54 pm
Operator : J.Misiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 8 Sample Multiplier: 1

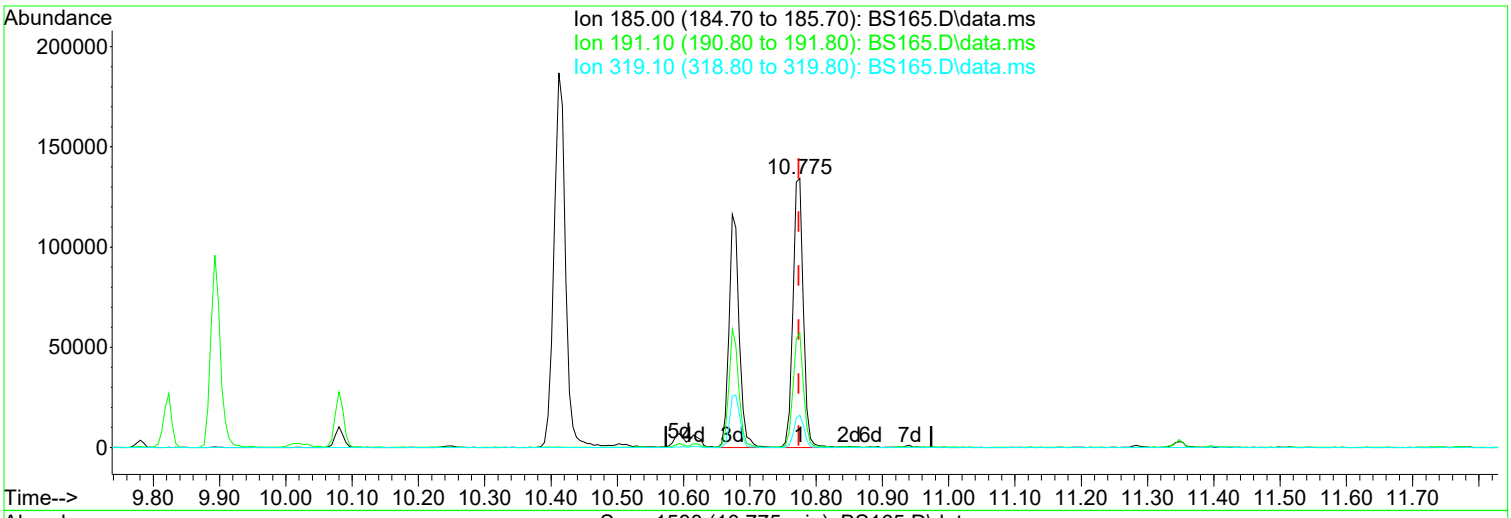
Quant Time: Jun 28 10:22:35 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration

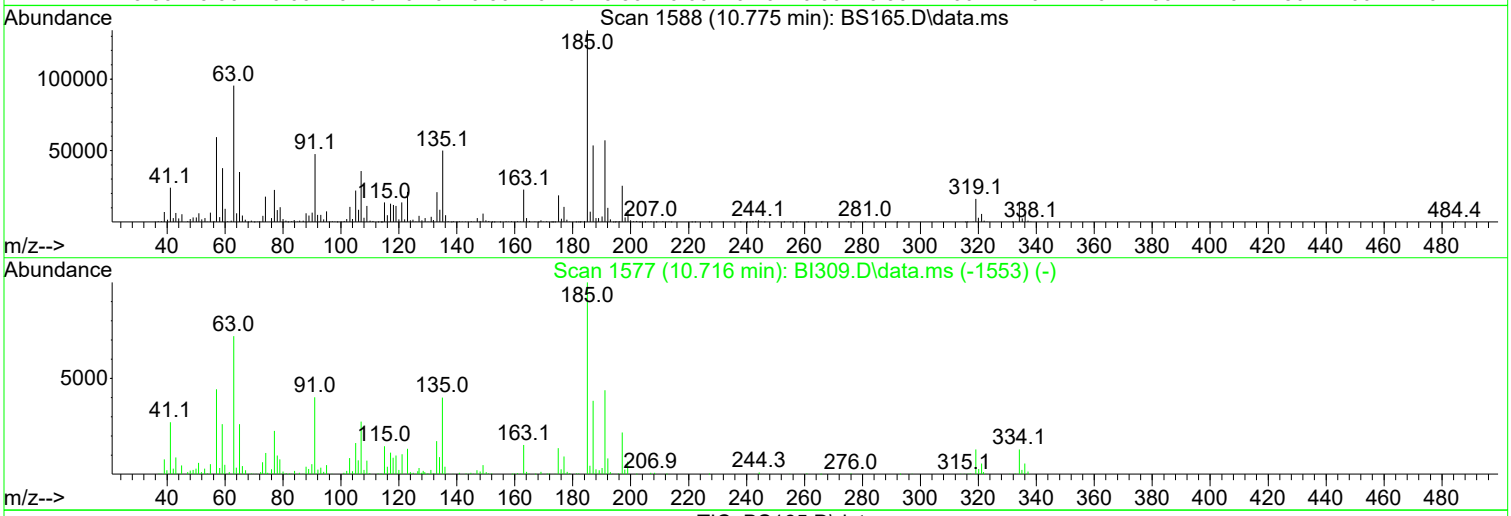


Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS165.D
Acq On : 27 Jun 2019 6:22 pm
Operator : J.Misiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 28 10:22:40 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration





TIC: BS165.D\data.ms

(125) Aramite (TM)

10.775min (+ 0.001) 87.53 ppm m

response 270137

Ion	Exp%	Act%
185.00	100.00	100.00
191.10	40.80	42.57
319.10	11.90	12.05
0.00	0.00	0.00

Manual Integration:

After

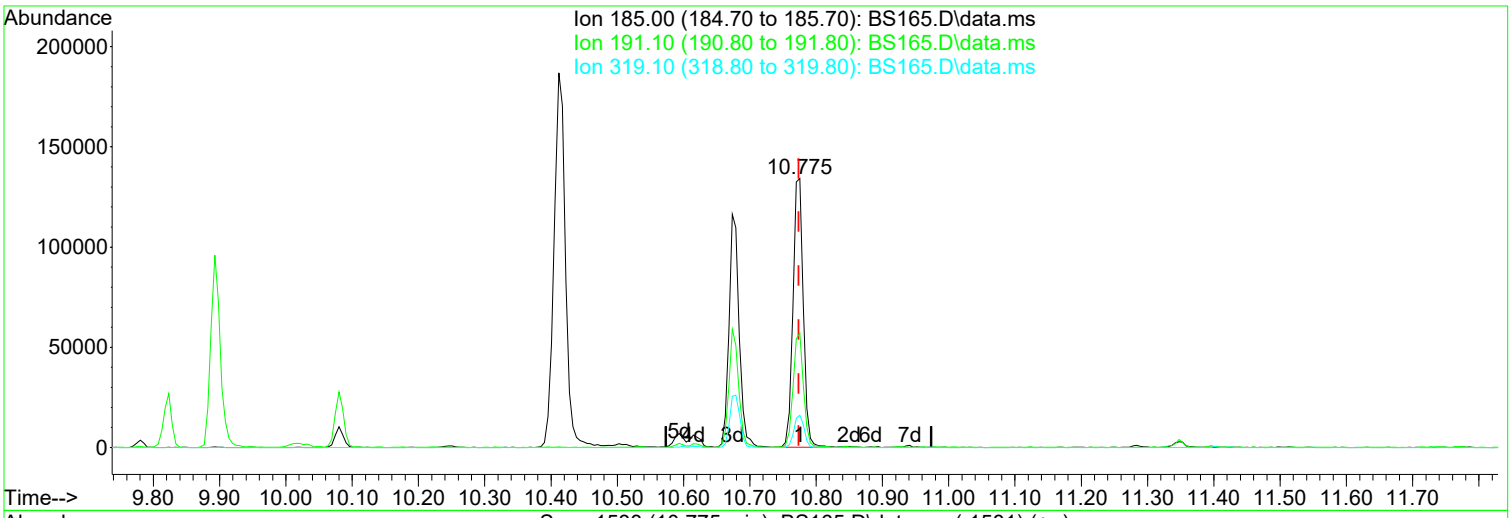
Split Peak.

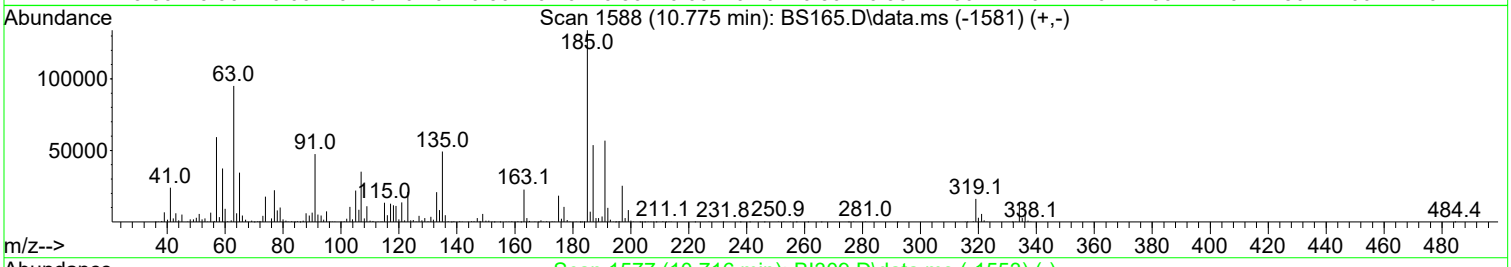
06/28/19

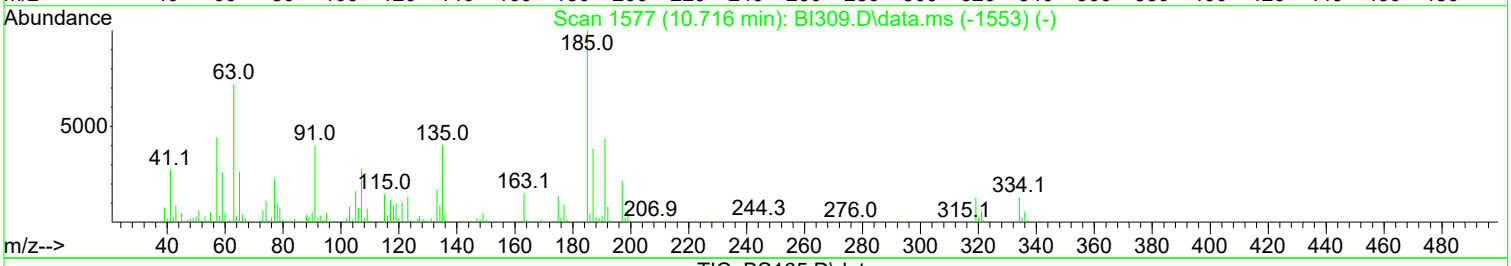
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS165.D
Acq On : 27 Jun 2019 6:22 pm
Operator : J.Misiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 28 10:22:40 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration







TIC: BS165.D\data.ms

(125) Aramite (TM)

10.775min (+ 0.001) 47.00 ppm

response 145048

Ion	Exp%	Act%
185.00	100.00	100.00
191.10	40.80	42.45
319.10	11.90	12.06
0.00	0.00	0.00

Manual Integration:

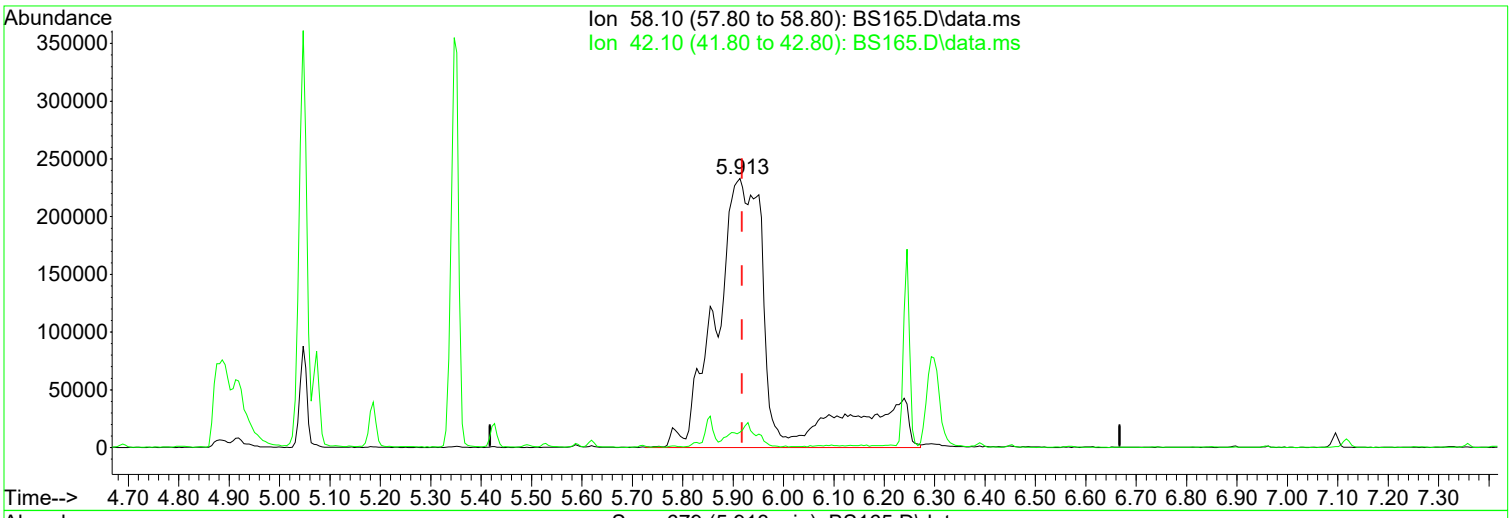
Before

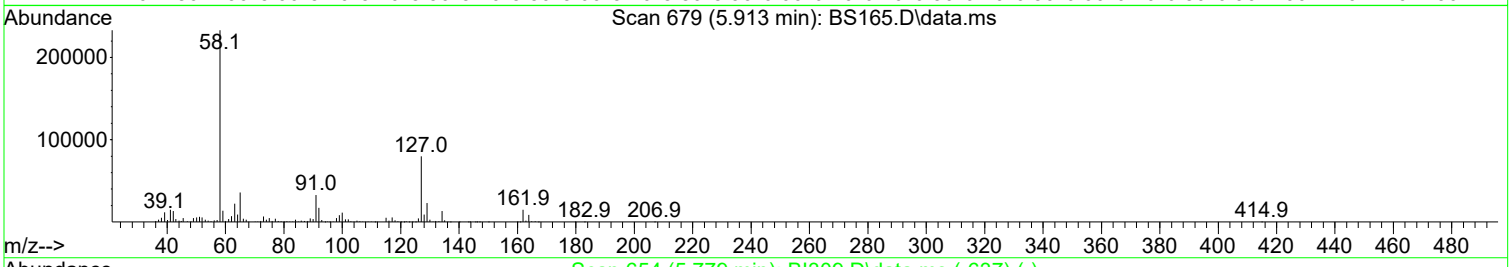
06/28/19

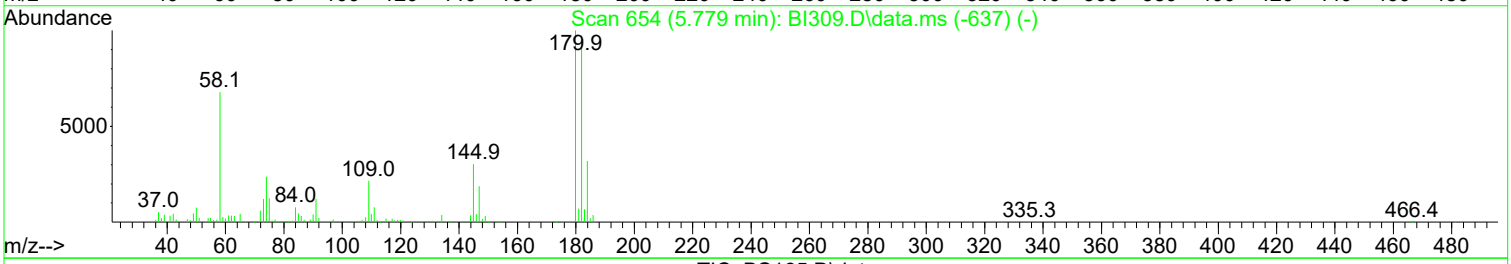
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS165.D
Acq On : 27 Jun 2019 6:22 pm
Operator : J.Misiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 28 10:22:40 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration







TIC: BS165.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.913min (-0.004) 88.27 ppm m

response 1831618

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	5.50	5.69
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

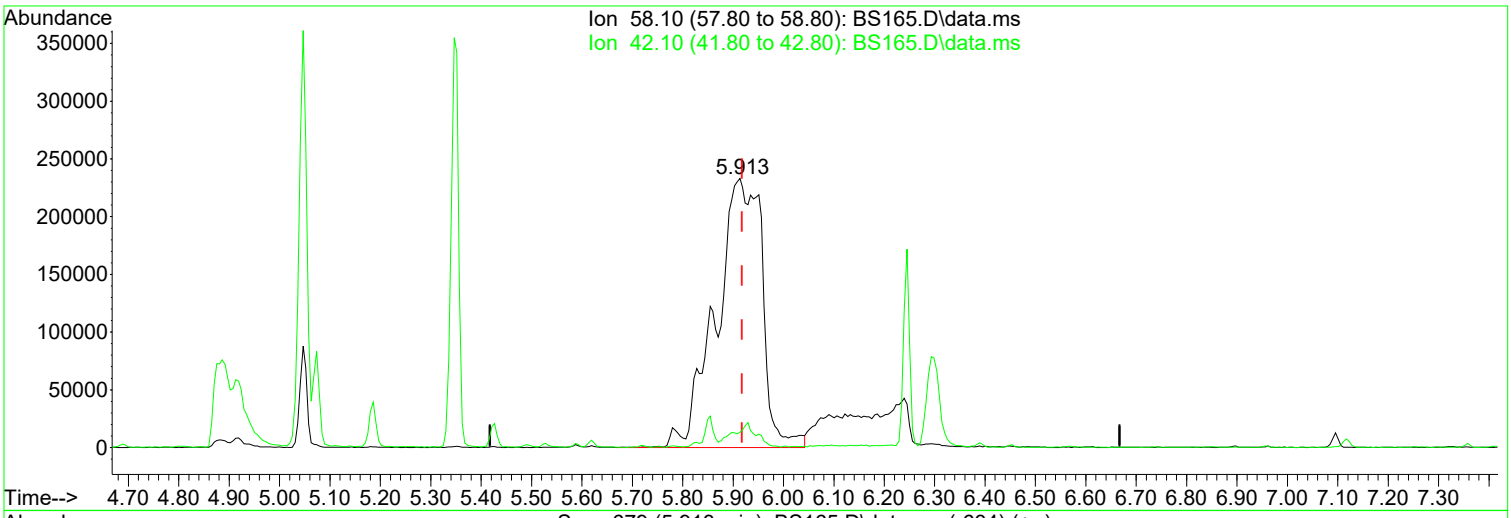
Poor integration.

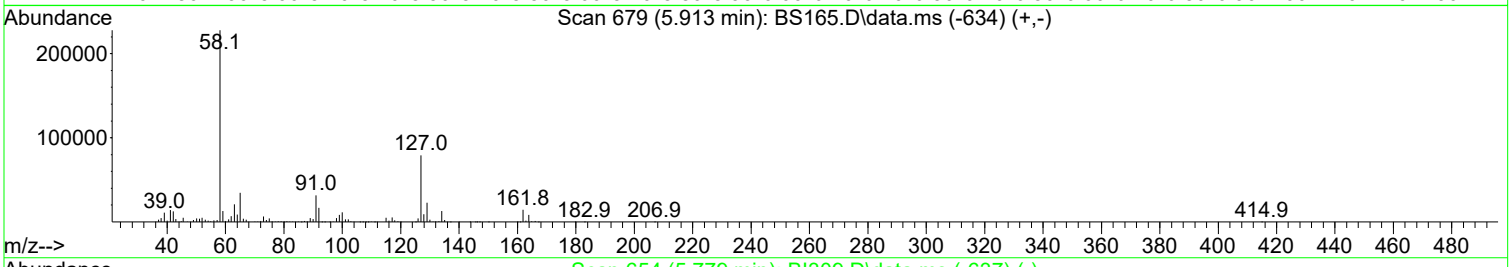
06/28/19

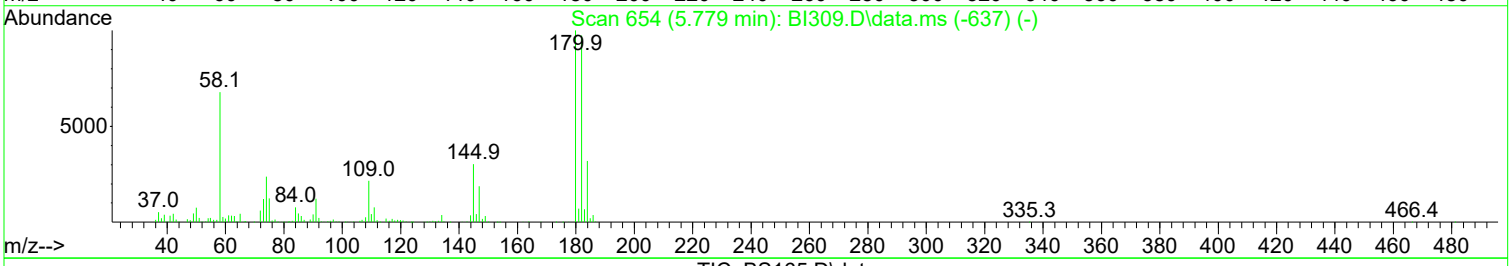
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS165.D
Acq On : 27 Jun 2019 6:22 pm
Operator : J.Misiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 28 10:22:40 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration







TIC: BS165.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.913min (-0.004) 71.53 ppm

response 1484240

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	5.50	5.47
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

06/28/19

1st DM 07/01/19
2nd MP 07/01/19

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS165.D
Acq On : 27 Jun 2019 6:22 pm
Operator : J.Misiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 28 10:22:40 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.689	152	321737	40.00	ppm	0.00
33) d8-Naphthalene	5.855	136	1231870	40.00	ppm	0.00
57) d10-Acenaphthene	7.555	164	629367	40.00	ppm	0.00
91) d10-Phenanthrene	9.026	188	1011754	40.00	ppm	0.00
117) d12-Chrysene	12.246	240	885966	40.00	ppm	0.00
135) d12-Perylene	15.124	264	859082	40.00	ppm	0.00
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.624	112	860371	84.22	ppm	0.00
Spiked Amount 200.000	Range 10 - 70		Recovery = 42.11%			
12) SURR2,PHENOL-D6	4.352	99	1073308	83.50	ppm	0.00
Spiked Amount 200.000	Range 10 - 107		Recovery = 41.75%			
34) SURR4,NITROBENZENE-D5	5.186	82	795893	86.50	ppm	0.00
Spiked Amount 100.000	Range 31 - 110		Recovery = 86.50%			
63) SURR5,2-FLUOROBIPHENYL	6.898	172	1621908	80.12	ppm	0.00
Spiked Amount 100.000	Range 31 - 118		Recovery = 80.12%			
88) SURR3,2,4,6-TRIBROMOPH...	8.336	330	182326	87.29	ppm	0.00
Spiked Amount 200.000	Range 35 - 141		Recovery = 43.65%			
124) SURR6,TERPHENYL-D14	10.695	244	1462245	82.50	ppm	0.00
Spiked Amount 100.000	Range 10 - 165		Recovery = 82.50%			
Target Compounds						Qvalue
2) Pyridine	2.688	79	855596	85.797	ppm	99
3) N-Nitrosodimethylamine	2.661	74	438779	80.035	ppm	97
4) 2-Picoline	3.212	93	949716	82.414	ppm	99
5) N-Nitrosomethylamine	3.287	42	290926	83.910	ppm	95
6) Methyl Methansulfonate	3.512	80	431623	82.310	ppm	100
8) N-Nitrosodiethylamine	3.811	102	403898	83.214	ppm	98
9) Ethyl Mathanesulfonate	4.047	79	640682	80.770	ppm	99
10) Benzaldehyde	4.325	106	610686	76.179	ppm	98
11) Aniline	4.410	93	1288236	80.727	ppm	100
13) Phenol	4.362	94	1051398	82.031	ppm	99
14) bis(2-Clethyl)Ether	4.459	93	797221	82.633	ppm	98
15) Pentachloroethane	4.453	117	324384	81.404	ppm	96
16) 2-Chlorophenol	4.507	128	896917	84.594	ppm	97
17) 1,3-Diclbenzene	4.640	146	928836	80.115	ppm	99
18) 1,4-Dichlorobenzene	4.705	146	952333	80.302	ppm	98
19) 1,2-Diclbenzene	4.838	146	887546	79.509	ppm	99
20) Benzyl Alcohol	4.806	79	632599	84.299	ppm	98
21) 1-Methyl-2-pyrrolidinone	4.881	99	538381	84.137	ppm	97
22) 2,2'-oxybis(1-Chloropr...	4.918	45	930673	79.318	ppm	97
23) 2-Methylphenol	4.897	108	778632	82.250	ppm	96
24) 3+4-Methylphenol	5.042	108	776907	81.185	ppm	80
25) Acetophenone	5.047	105	1089893	79.219	ppm	96
26) N-Nitroso-Di-n-propyla...	5.047	70	542793	79.441	ppm	98
27) N-Nitrosopyrrolidine	5.047	100	425186	83.263	ppm	83
28) N-Nitrosomorpholine	5.074	56	380769	80.469	ppm	100
29) o-Toluidine	5.079	106	1321201	80.449	ppm	86
30) Hexachloroethane	5.138	117	374138	81.203	ppm	99
31) o,o,o-Triethylphosphor...	5.592	198	320538	83.090	ppm	100
35) Nitrobenzene	5.202	77	774147	85.714	ppm	96
36) N-Nitrosopiperidine	5.346	42	371901	80.839	ppm	98
37) Isophorone	5.427	82	1451115	79.906	ppm	100
38) 2-Nitrophenol	5.496	139	394202	81.333	ppm	99
39) Benzoic Acid	5.646	105	436383	75.404	ppm	98

1st DM 07/01/19
2nd MP 07/01/19

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS165.D
Acq On : 27 Jun 2019 6:22 pm
Operator : J.Misiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 28 10:22:40 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40) 2,4-Dimethylphenol	5.528	107	784530	82.475	ppm		98
41) bis(-2-Chloroethoxy)Me...	5.619	93	967353	80.073	ppm		100
42) 2,4-Dichlorophenol	5.721	162	669280	85.514	ppm		99
43) a,a-Dimethylphenethyla...	5.913	58	1831618m	88.269	ppm		
44) 1,2,4-Trichlorobenzene	5.796	180	707885	79.467	ppm		98
45) Naphthalene	5.876	128	2337190	78.713	ppm		99
46) 4-Chloroaniline	5.929	127	1078002	80.945	ppm		99
47) 2,6-Dichlorophenol	5.935	162	664296	84.887	ppm		95
48) Hexachlorobutadiene	5.983	225	338646	80.792	ppm		96
49) Hexachloropropene	5.951	213	397513	86.781	ppm		99
50) 4-Chloro-3-methylphenol	6.389	107	624972	83.884	ppm		99
51) N-N-di-n-butylamine	6.245	84	515061	76.872	ppm		99
52) Caprolactam	6.298	113	238511	83.666	ppm		97
53) p-Phenylenediamine	6.288	80	243197	75.572	ppm		100
54) Safrole	6.454	162	608534	81.579	ppm		98
55) 2-Methylnaphthalene	6.539	142	1574334	78.993	ppm		98
56) 1-Methylnaphthalene	6.635	142	1479973	79.857	ppm		99
58) Hexachlorocyclopentadiene	6.684	237	399235	84.993	ppm		98
59) 1,2,4,5-Tetrachloroben...	6.700	216	643791	79.781	ppm		99
60) 1,2,3,4-Tetrachloroben...	6.978	216	651572	79.350	ppm		99
61) 2,4,6-Trichlorophenol	6.812	196	425611	84.758	ppm		97
62) 2,4,5-Trichlorophenol	6.849	196	440927	83.832	ppm		100
64) Isosafrole	6.956	104	242753	81.631	ppm		95
65) 1,1'-Biphenyl	6.994	154	1870883	80.644	ppm		99
66) 2-Chloronaphthalene	7.015	162	1558757	76.080	ppm		98
67) 2-Nitroaniline	7.117	65	399121	84.447	ppm		98
68) 1,4-Naphthoquinone	7.192	158	465032	78.496	ppm		97
69) m-Dinitrobenzene	7.331	168	238908	81.236	ppm		83
70) Acenaphthylene	7.422	152	2244567	81.074	ppm		100
71) Dimethyl phthalate	7.299	163	1472117	80.566	ppm		99
72) 2,6-Dinitrotoluene	7.357	165	346420	80.948	ppm		93
73) Acenaphthene	7.587	153	1450036	79.796	ppm		99
74) 3-Nitroaniline	7.529	138	432738	80.521	ppm		95
75) 2,4-Dinitrophenol	7.630	184	150990	81.195	ppm		94
76) Dibenzofuran	7.759	168	1838342	77.681	ppm		98
77) 2,4-Dinitrotoluene	7.759	165	446669	80.611	ppm		93
78) 4-Nitrophenol	7.689	65	249735	84.335	ppm		83
79) Pentachlorobenzene	7.716	250	492222	78.039	ppm		99
80) 1-Napthylamine	7.844	143	1574451	83.159	ppm		100
81) 2-Napthylamine	7.924	143	1598081	84.366	ppm		99
82) 2,3,4,6-Tetrachlorophenol	7.882	232	330592	80.373	ppm		96
83) Fluorene	8.096	166	1476219	79.343	ppm		99
84) 4-Chlorophenyl-phenyle...	8.096	204	638080	78.204	ppm		98
85) Diethylphthalate	7.989	149	1532031	85.354	ppm		99
86) 4-Nitroaniline	8.138	138	495709	84.120	ppm		100
87) 5-Nitro-o-toluidine	8.122	152	487188	82.137	ppm		100
89) Sulfotepp	8.374	322	167605	88.001	ppm		86
90) Octachlorocyclopentene	8.342	307	174008	88.639	ppm		99
92) Thionazin	8.074	107	252533	86.776	ppm		94
93) 4,6-Dinitro-2-methylph...	8.154	198	214525	80.108	ppm		97
94) Diphenylamine	8.219	169	1314499	79.811	ppm		99
95) 1,2 Diphenylhydrazine	8.256	77	1439971	74.567	ppm		98
96) N-Nitrosodiphenylamine	8.219	169	1315301	79.848	ppm		99
97) 1,3,5-Trinirobenzene	8.497	213	126549	80.402	ppm	#	53
98) Diallate	8.497	86	537991	81.892	ppm		97
99) Phorate	8.507	121	297660	85.426	ppm		92

1st DM 07/01/19
2nd MP 07/01/19

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS165.D
Acq On : 27 Jun 2019 6:22 pm
Operator : J.Misiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 28 10:22:40 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration

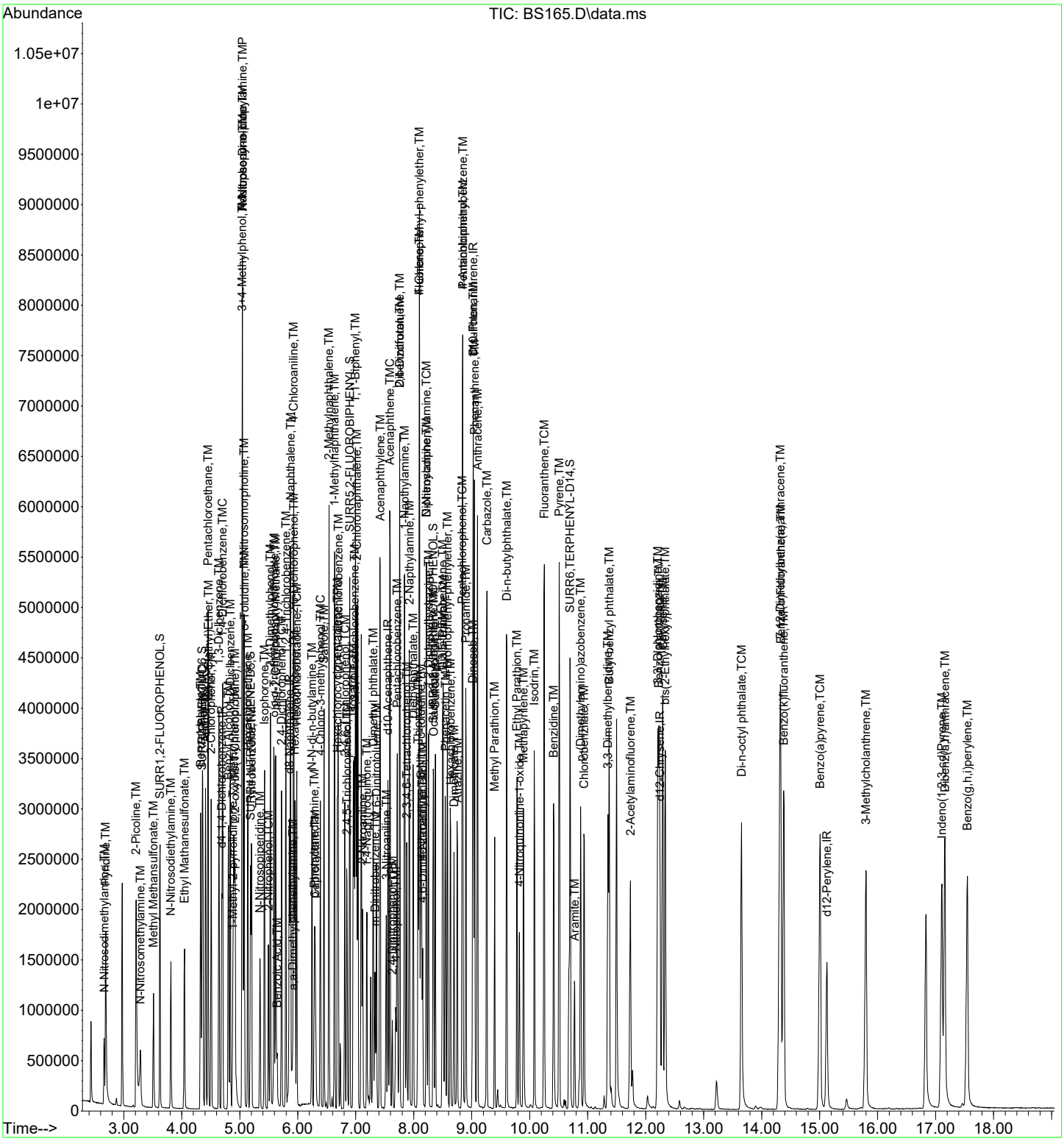
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
100) Phenacetin	8.545	108	784462	88.472	ppm	99
101) 4-Bromophenyl-phenylether	8.582	248	364862	77.887	ppm	96
102) Hexachlorobenzene	8.636	284	391075	77.657	ppm	95
103) Dimethoate	8.695	87	585993	87.760	ppm	100
104) Atrazine	8.753	215	169750	82.150	ppm	94
105) Pentachlorophenol	8.834	266	249294	81.731	ppm	98
106) 4-Aminobiphenyl	8.844	169	1781998	85.722	ppm	100
107) Pentachloronitrobenzene	8.844	237	145208	86.804	ppm	98
108) Pronamide	8.898	173	710782	85.175	ppm	98
109) Dinoseb	9.016	211	270567	74.424	ppm	96
110) Disulfoton	9.026	88	801437	78.232	ppm	98
111) Phenanthrene	9.048	178	2146488	79.707	ppm	99
112) Anthracene	9.101	178	2226777	81.465	ppm	99
113) Carbazole	9.262	167	2171491	81.040	ppm	98
114) Di-n-butylphthalate	9.604	149	2692745	86.405	ppm	99
115) 4-Nitroquinonline-1-oxide	9.823	190	210949	84.235	ppm	96
116) Fluoranthene	10.251	202	2290469	82.616	ppm	97
118) Methyl Parathion	9.395	109	476418	87.877	ppm	97
119) Ethyl Parathion	9.780	97	308207	86.219	ppm	98
120) Methapyrilene	9.893	58	867748	83.549	ppm	99
121) Isodrin	10.080	193	264095	83.492	ppm	95
122) Benzidine	10.412	184	1423488	88.185	ppm	99
123) Pyrene	10.508	202	2368732	83.963	ppm	99
125) Aramite	10.775	185	270137m	87.529	ppm	
126) p-(Dimethylamino)azobe...	10.877	120	701110	86.640	ppm	97
127) Chlorobenzilate	10.936	139	646292	85.366	ppm	90
128) Butyl benzyl phthalate	11.369	149	1203477	87.891	ppm	98
129) 3,3-Dimethylbenzidine	11.348	212	1261281	92.485	ppm	99
130) 2-Acetylaminofluorene	11.738	181	883597	80.658	ppm	99
131) 3,3'-Dichlorobenzidine	12.209	252	765610	90.432	ppm	99
132) Benzo(a)anthracene	12.225	228	2032014	82.328	ppm	99
133) Chrysene	12.294	228	1972430	81.712	ppm	100
134) bis(2-Ethylhexyl)phtha...	12.337	149	1681090	86.252	ppm	99
136) Di-n-octyl phthalate	13.653	149	2819580	80.463	ppm	99
137) 7,12-Dimethylbenz(a)an...	14.321	256	954158	87.189	ppm	100
138) Benzo(b)Fluoranthene	14.327	252	2050420	86.587	ppm	98
139) Benzo(k)fluoranthene	14.380	252	1987911	85.573	ppm	99
140) Benzo(a)pyrene	15.006	252	1916531	89.570	ppm	99
141) 3-Methylcholanthrene	15.798	268	1009948	83.176	ppm	100
142) Indeno(1,2,3-cd)Pyrene	17.108	276	1508115	86.481	ppm	99
143) Dibenz(a,h)anthracene	17.162	278	1678768	90.614	ppm	98
144) Benzo(g,h,i)perylene	17.547	276	1540316	84.634	ppm	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st 07/01/19
2nd 07/01/19

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS165.D
Acq On : 27 Jun 2019 6:22 pm
Operator : J.Misiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 9 Sample Multiplier: 1

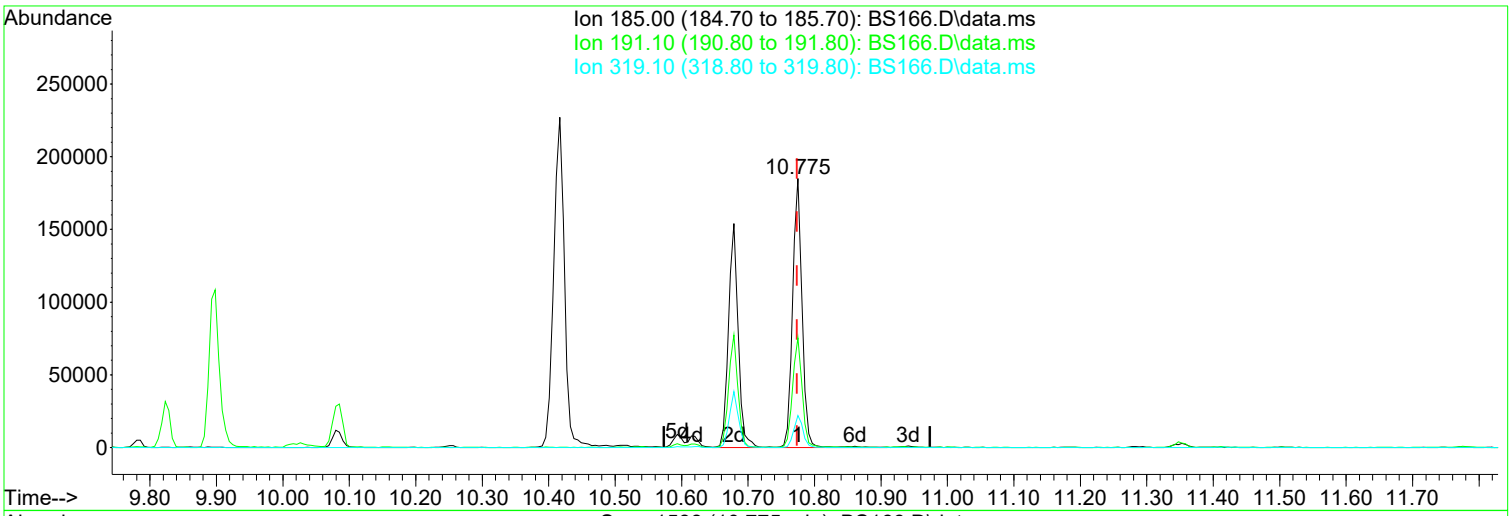
Quant Time: Jun 28 10:22:40 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration

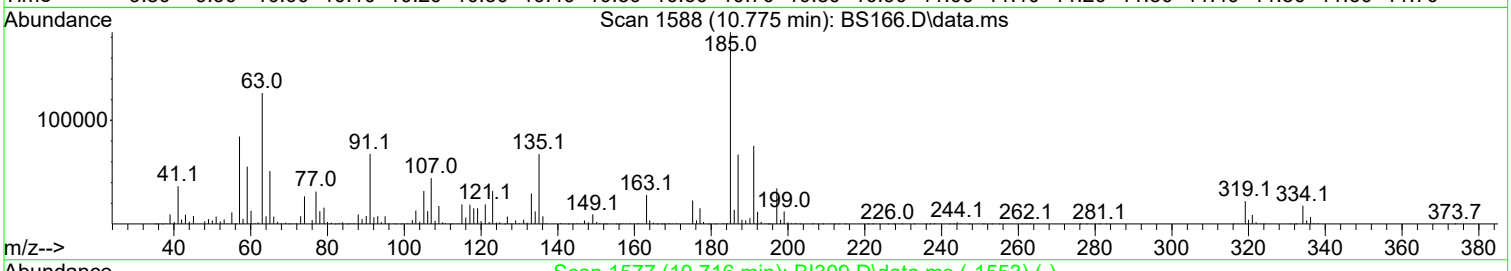


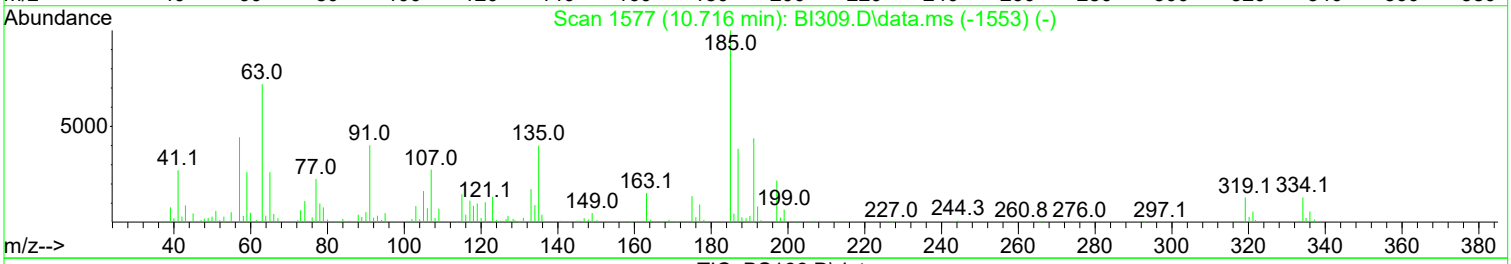
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS166.D
Acq On : 27 Jun 2019 6:51 pm
Operator : J.Misiurewicz
Sample : 100 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 28 10:22:46 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration







TIC: BS166.D\data.ms

(125) Aramite (TM)

10.775min (+ 0.001) 114.06 ppm m

response 341241

Ion	Exp%	Act%
185.00	100.00	100.00
191.10	40.80	40.83
319.10	11.90	11.86
0.00	0.00	0.00

Manual Integration:

After

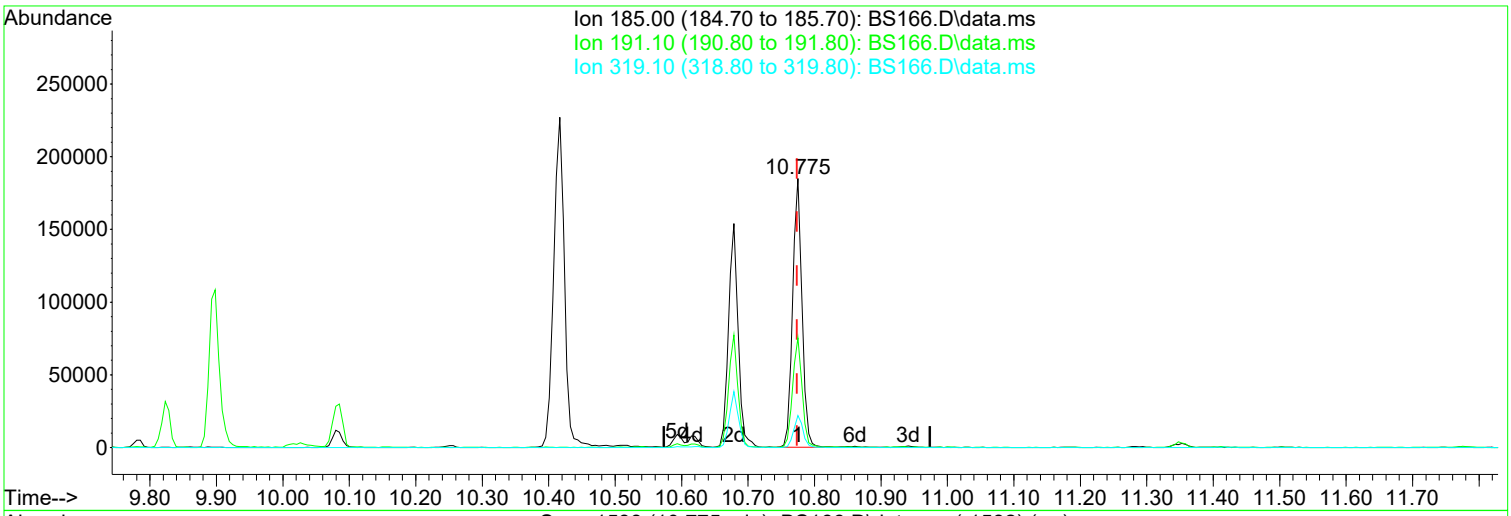
Split Peak.

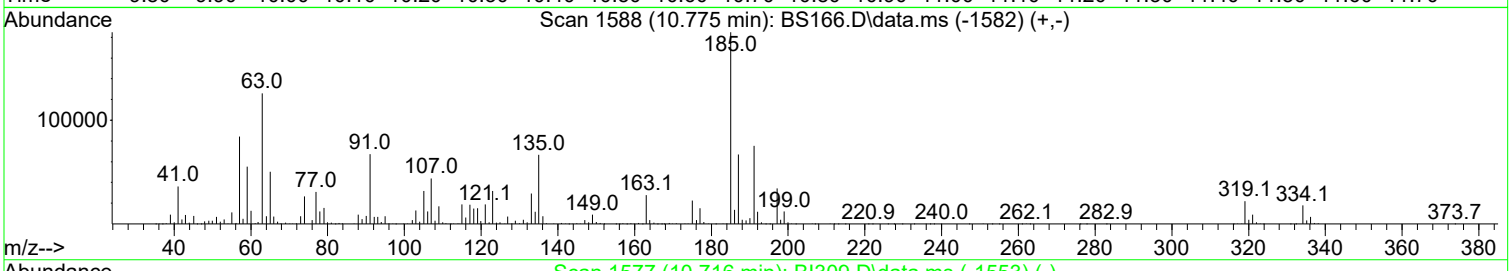
06/28/19

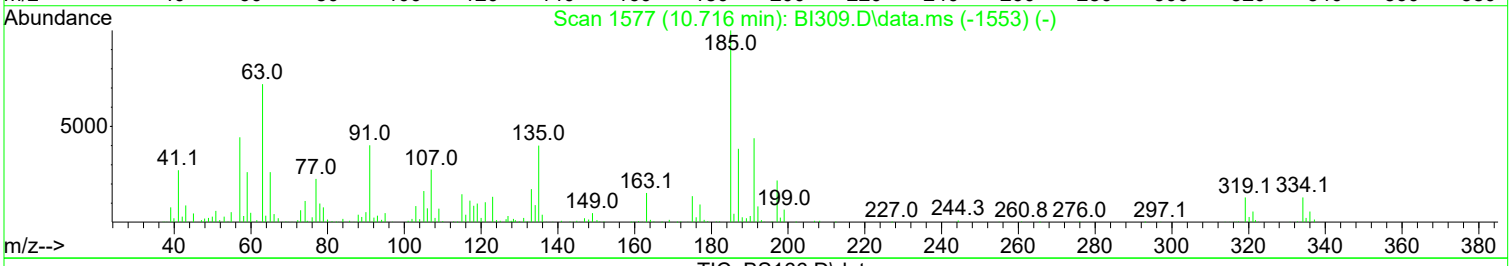
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS166.D
Acq On : 27 Jun 2019 6:51 pm
Operator : J.Misiurewicz
Sample : 100 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 28 10:22:46 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration







TIC: BS166.D\data.ms

(125) Aramite (TM)

10.775min (+ 0.001) 60.93 ppm

response 182287

Ion	Exp%	Act%
185.00	100.00	100.00
191.10	40.80	40.73
319.10	11.90	11.85
0.00	0.00	0.00

Manual Integration:

Before

06/28/19

1st DM 07/01/19
2nd MP 07/01/19

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS166.D
Acq On : 27 Jun 2019 6:51 pm
Operator : J.Misiurewicz
Sample : 100 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 28 10:22:46 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.688	152	314361	40.00	ppm	0.00
33) d8-Naphthalene	5.854	136	1207684	40.00	ppm	0.00
57) d10-Acenaphthene	7.555	164	598780	40.00	ppm	0.00
91) d10-Phenanthrene	9.026	188	984064	40.00	ppm	0.00
117) d12-Chrysene	12.251	240	858873	40.00	ppm	0.00
135) d12-Perylene	15.124	264	822029	40.00	ppm	0.00
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.624	112	1071241	107.32	ppm	0.00
Spiked Amount 200.000	Range 10 - 70		Recovery = 53.66%			
12) SURR2,PHENOL-D6	4.357	99	1343383	106.96	ppm	0.00
Spiked Amount 200.000	Range 10 - 107		Recovery = 53.48%			
34) SURR4,NITROBENZENE-D5	5.186	82	1015489	112.58	ppm	0.00
Spiked Amount 100.000	Range 31 - 110		Recovery = 112.58%#			
63) SURR5,2-FLUOROBIPHENYL	6.897	172	2019249	104.84	ppm	0.00
Spiked Amount 100.000	Range 31 - 118		Recovery = 104.84%			
88) SURR3,2,4,6-TRIBROMOPH...	8.336	330	233361	117.43	ppm	0.00
Spiked Amount 200.000	Range 35 - 141		Recovery = 58.72%			
124) SURR6,TERPHENYL-D14	10.700	244	1783399	103.79	ppm	0.00
Spiked Amount 100.000	Range 10 - 165		Recovery = 103.79%			
Target Compounds						Qvalue
2) Pyridine	2.688	79	1071802	109.999	ppm	100
3) N-Nitrosodimethylamine	2.661	74	560326	101.950	ppm	100
4) 2-Picoline	3.212	93	1198926	106.481	ppm	100
5) N-Nitrosomethylamine	3.287	42	347077	102.454	ppm	99
6) Methyl Methansulfonate	3.512	80	536309	104.673	ppm	100
8) N-Nitrosodiethylamine	3.811	102	513380	108.252	ppm	100
9) Ethyl Mathanesulfonate	4.047	79	806141	104.013	ppm	100
10) Benzaldehyde	4.325	106	709604	90.596	ppm	100
11) Aniline	4.410	93	1624455	104.185	ppm	100
13) Phenol	4.367	94	1332893	106.434	ppm	100
14) bis(2-Clethyl)Ether	4.458	93	990414	105.066	ppm	100
15) Pentachloroethane	4.453	117	403238	103.566	ppm	100
16) 2-Chlorophenol	4.507	128	1127662	108.853	ppm	100
17) 1,3-Diclbenzene	4.640	146	1148012	101.343	ppm	100
18) 1,4-Dichlorobenzene	4.704	146	1182951	102.089	ppm	100
19) 1,2-Diclbenzene	4.838	146	1117496	102.458	ppm	100
20) Benzyl Alcohol	4.806	79	796802	108.672	ppm	100
21) 1-Methyl-2-pyrrolidinone	4.892	99	683370	109.302	ppm	100
22) 2,2'-oxybis(1-Chloropr...	4.918	45	1166026	101.708	ppm	100
23) 2-Methylphenol	4.897	108	988803	106.902	ppm	100
24) 3+4-Methylphenol	5.047	108	989917	105.871	ppm	100
25) Acetophenone	5.047	105	1366490	101.654	ppm	100
26) N-Nitroso-Di-n-propyla...	5.052	70	683054	102.314	ppm	100
27) N-Nitrosopyrrolidine	5.057	100	538673	107.961	ppm	100
28) N-Nitrosomorpholine	5.079	56	479790	103.775	ppm	100
29) o-Toluidine	5.079	106	1658591	103.363	ppm	100
30) Hexachloroethane	5.138	117	471629	104.764	ppm	100
31) o,o,o-Triethylphosphor...	5.592	198	401008	106.388	ppm	100
35) Nitrobenzene	5.207	77	987003	111.470	ppm	100
36) N-Nitrosopiperidine	5.352	42	469042	103.996	ppm	100
37) Isophorone	5.432	82	1841235	103.418	ppm	100
38) 2-Nitrophenol	5.496	139	535751	112.751	ppm	100
39) Benzoic Acid	5.656	105	577935	101.863	ppm	100

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS166.D
Acq On : 27 Jun 2019 6:51 pm
Operator : J.Misiurewicz
Sample : 100 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 28 10:22:46 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) 2,4-Dimethylphenol	5.533	107	987091	105.848	ppm	100
41) bis(-2-Chloroethoxy)Me...	5.624	93	1219825	102.993	ppm	100
42) 2,4-Dichlorophenol	5.726	162	853494	111.235	ppm	100
43) a,a-Dimethylphenethyla...	5.972	58	2256112	110.904	ppm	100
44) 1,2,4-Trichlorobenzene	5.796	180	899852	103.041	ppm	100
45) Naphthalene	5.876	128	2882387	99.019	ppm	100
46) 4-Chloroaniline	5.929	127	1350979	103.474	ppm	100
47) 2,6-Dichlorophenol	5.935	162	839050	109.366	ppm	100
48) Hexachlorobutadiene	5.983	225	419466	102.077	ppm	100
49) Hexachloropropene	5.951	213	511629	113.930	ppm	100
50) 4-Chloro-3-methylphenol	6.395	107	789214	108.049	ppm	100
51) N-N-di-n-butylamine	6.245	84	647453	98.567	ppm	100
52) Caprolactam	6.304	113	309041	110.578	ppm	100
53) p-Phenylenediamine	6.293	80	275162	87.217	ppm	100
54) Safrole	6.453	162	766525	104.816	ppm	100
55) 2-Methylnaphthalene	6.539	142	1968160	100.731	ppm	100
56) 1-Methylnaphthalene	6.635	142	1841036	101.328	ppm	100
58) Hexachlorocyclopentadiene	6.683	237	504359	112.857	ppm	100
59) 1,2,4,5-Tetrachloroben...	6.699	216	816055	106.294	ppm	100
60) 1,2,3,4-Tetrachloroben...	6.978	216	832841	106.607	ppm	100
61) 2,4,6-Trichlorophenol	6.812	196	542489	113.552	ppm	100
62) 2,4,5-Trichlorophenol	6.849	196	538526	107.618	ppm	100
64) Isosafrole	6.962	104	309762	109.485	ppm	100
65) 1,1'-Biphenyl	6.999	154	2296533	104.048	ppm	100
66) 2-Chloronaphthalene	7.020	162	2158246	110.721	ppm	100
67) 2-Nitroaniline	7.122	65	517800	115.153	ppm	100
68) 1,4-Naphthoquinone	7.192	158	566291	100.471	ppm	100
69) m-Dinitrobenzene	7.336	168	312161	103.474	ppm	100
70) Acenaphthylene	7.422	152	2720780	103.295	ppm	100
71) Dimethyl phthalate	7.304	163	1851434	106.501	ppm	100
72) 2,6-Dinitrotoluene	7.363	165	446893	104.278	ppm	100
73) Acenaphthene	7.593	153	1773489	102.581	ppm	100
74) 3-Nitroaniline	7.528	138	560516	104.744	ppm	100
75) 2,4-Dinitrophenol	7.635	184	207916	103.764	ppm	100
76) Dibenzofuran	7.758	168	2218224	98.521	ppm	100
77) 2,4-Dinitrotoluene	7.764	165	580791	103.891	ppm	100
78) 4-Nitrophenol	7.694	65	332187	117.909	ppm	100
79) Pentachlorobenzene	7.716	250	605303	100.869	ppm	100
80) 1-Napthylamine	7.849	143	1978067	109.814	ppm	100
81) 2-Napthylamine	7.924	143	1997848	110.858	ppm	100
82) 2,3,4,6-Tetrachlorophenol	7.881	232	431224	110.193	ppm	100
83) Fluorene	8.101	166	1816796	102.636	ppm	100
84) 4-Chlorophenyl-phenyle...	8.095	204	777426	100.150	ppm	100
85) Diethylphthalate	7.994	149	1923998	112.667	ppm	100
86) 4-Nitroaniline	8.144	138	630155	112.397	ppm	100
87) 5-Nitro-o-toluidine	8.128	152	630736	111.771	ppm	100
89) Sulfotepp	8.379	322	208816	115.239	ppm	100
90) Octachlorocyclopentene	8.341	307	212798	113.936	ppm	100
92) Thionazin	8.074	107	324280	114.565	ppm	100
93) 4,6-Dinitro-2-methylph...	8.160	198	297778	104.532	ppm	100
94) Diphenylamine	8.218	169	1649547	102.971	ppm	100
95) 1,2 Diphenylhydrazine	8.256	77	1813529	96.554	ppm	100
96) N-Nitrosodiphenylamine	8.218	169	1649547	102.956	ppm	100
97) 1,3,5-Trinirobenzene	8.502	213	170226	103.297	ppm	99
98) Diallate	8.497	86	671866	105.148	ppm	100
99) Phorate	8.513	121	372019	109.771	ppm	100

1st DM 07/01/19
2nd MP 07/01/19

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS166.D
Acq On : 27 Jun 2019 6:51 pm
Operator : J.Misiurewicz
Sample : 100 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 28 10:22:46 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration

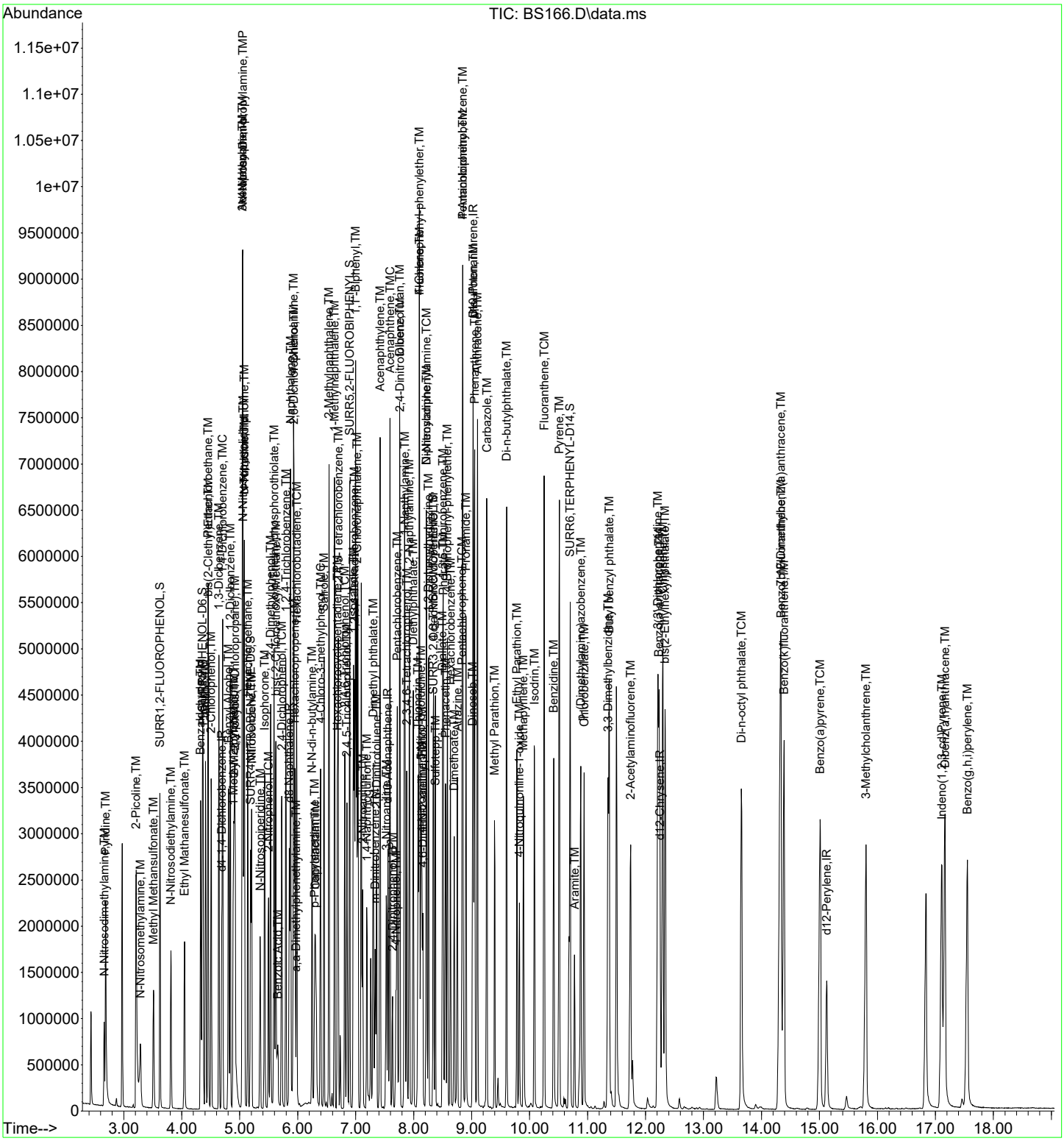
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
100) Phenacetin	8.550	108	986557	114.395	ppm	100
101) 4-Bromophenyl-phenylether	8.582	248	455709	100.018	ppm	100
102) Hexachlorobenzene	8.636	284	498843	101.844	ppm	100
103) Dimethoate	8.700	87	693733	106.819	ppm	100
104) Atrazine	8.753	215	199811	99.419	ppm	100
105) Pentachlorophenol	8.834	266	325592	109.749	ppm	100
106) 4-Aminobiphenyl	8.844	169	2142982	105.988	ppm	100
107) Pentachloronitrobenzene	8.844	237	185300	113.887	ppm	100
108) Pronamide	8.903	173	895756	110.362	ppm	100
109) Dinoseb	9.015	211	374772	105.989	ppm	99
110) Disulfoton	9.026	88	1042606	104.638	ppm	100
111) Phenanthrene	9.053	178	2671405	101.990	ppm	100
112) Anthracene	9.101	178	2765509	104.021	ppm	100
113) Carbazole	9.261	167	2705966	103.828	ppm	100
114) Di-n-butylphthalate	9.604	149	3287290	108.451	ppm	100
115) 4-Nitroquinonline-1-oxide	9.823	190	258356	108.077	ppm	100
116) Fluoranthene	10.251	202	2811314	104.256	ppm	100
118) Methyl Parathion	9.395	109	585406	111.387	ppm	100
119) Ethyl Parathion	9.780	97	399989	115.424	ppm	100
120) Methapyrilene	9.893	58	1053175	104.601	ppm	100
121) Isodrin	10.085	193	332396	108.399	ppm	100
122) Benzidine	10.417	184	1720694	109.959	ppm	100
123) Pyrene	10.513	202	2856880	104.461	ppm	100
125) Aramite	10.775	185	341241m	114.056	ppm	
126) p-(Dimethylamino)azobe...	10.882	120	878444	111.979	ppm	100
127) Chlorobenzilate	10.941	139	846004	115.271	ppm	100
128) Butyl benzyl phthalate	11.374	149	1513317	114.005	ppm	100
129) 3,3-Dimethylbenzidine	11.353	212	1540330	116.509	ppm	100
130) 2-Acetylaminofluorene	11.743	181	1152563	104.043	ppm	100
131) 3,3'-Dichlorobenzidine	12.214	252	949180	115.652	ppm	100
132) Benzo(a)anthracene	12.230	228	2520816	105.354	ppm	100
133) Chrysene	12.299	228	2437690	104.172	ppm	100
134) bis(2-Ethylhexyl)phtha...	12.337	149	2134443	112.967	ppm	100
136) Di-n-octyl phthalate	13.653	149	3578743	104.038	ppm	100
137) 7,12-Dimethylbenz(a)an...	14.332	256	1175232	112.231	ppm	100
138) Benzo(b)Fluoranthene	14.337	252	2594151	114.486	ppm	100
139) Benzo(k)fluoranthene	14.391	252	2364195	106.358	ppm	100
140) Benzo(a)pyrene	15.011	252	2340047	114.293	ppm	100
141) 3-Methylcholanthrene	15.803	268	1248001	107.414	ppm	100
142) Indeno(1,2,3-cd)Pyrene	17.113	276	1871562	112.160	ppm	100
143) Dibenz(a,h)anthracene	17.167	278	2033380	114.702	ppm	100
144) Benzo(g,h,i)perylene	17.552	276	1850687	106.272	ppm	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st 07/01/19
2nd 07/01/19

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS166.D
Acq On : 27 Jun 2019 6:51 pm
Operator : J.Misiurewicz
Sample : 100 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 10 Sample Multiplier: 1

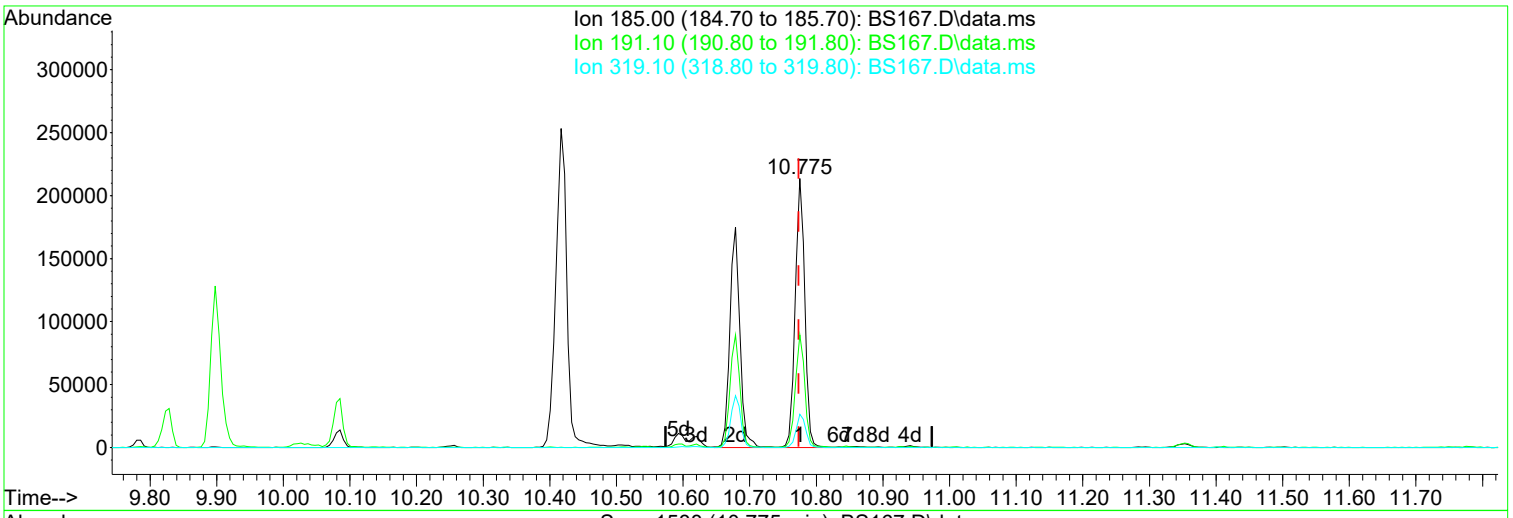
Quant Time: Jun 28 10:22:46 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration

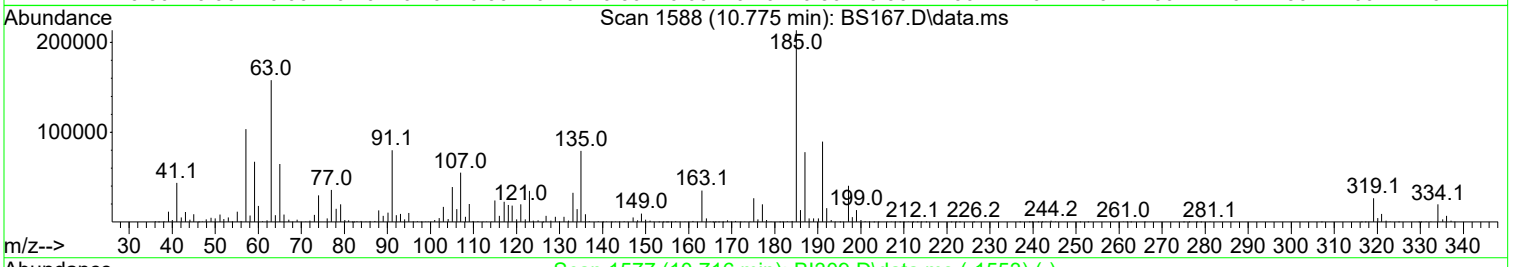


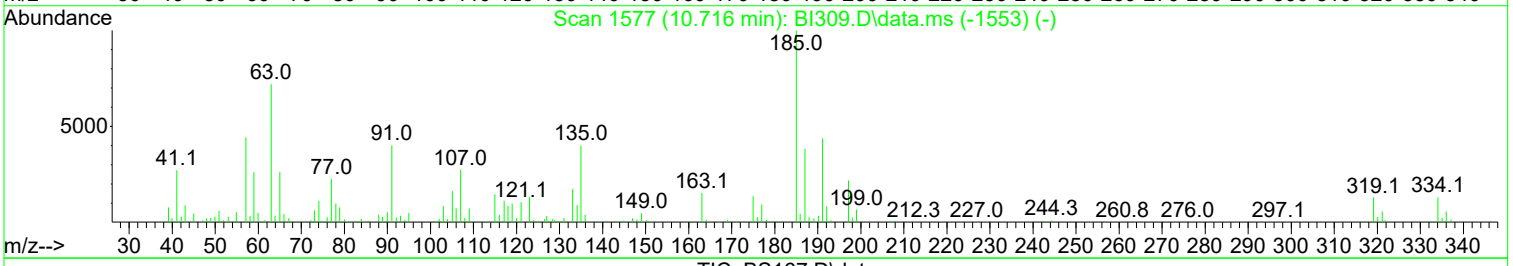
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS167.D
Acq On : 27 Jun 2019 7:19 pm
Operator : J.Misiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 28 10:22:52 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration







TIC: BS167.D\data.ms

(125) Aramite (TM)

10.775min (+ 0.001) 129.50 ppm m

response 398837

Ion	Exp%	Act%
185.00	100.00	100.00
191.10	40.80	41.87
319.10	11.90	12.35
0.00	0.00	0.00

Manual Integration:

After

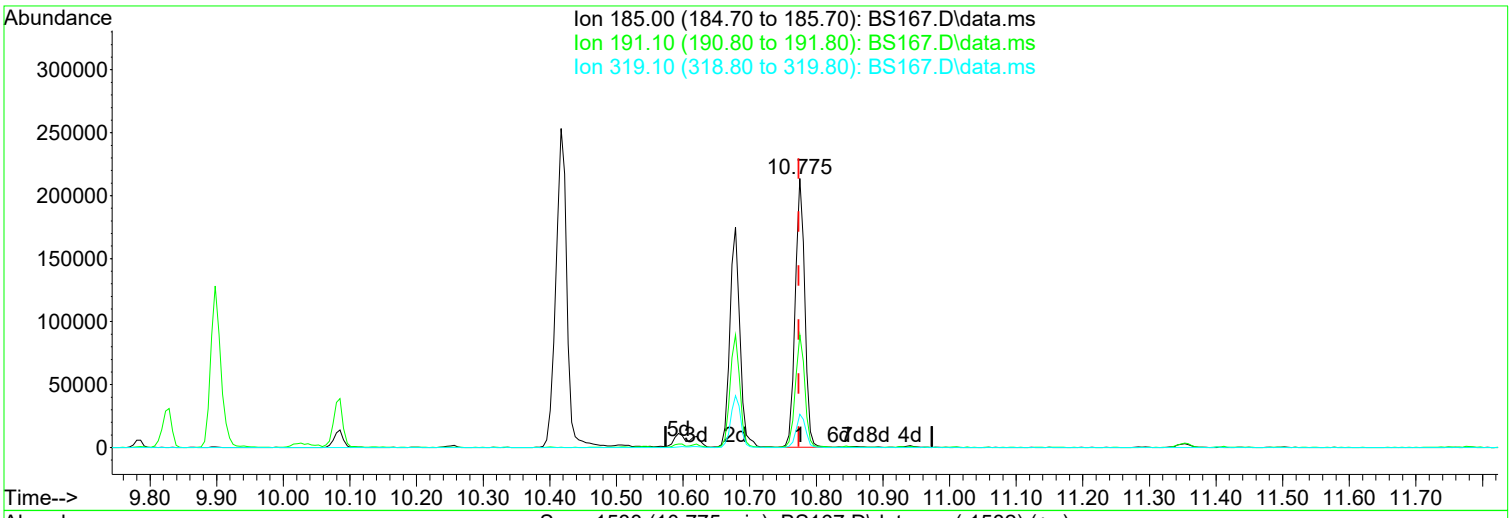
Split Peak.

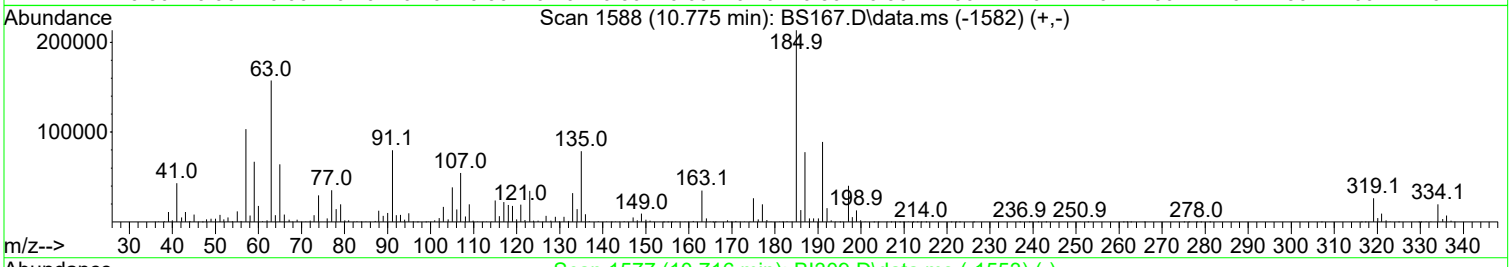
06/28/19

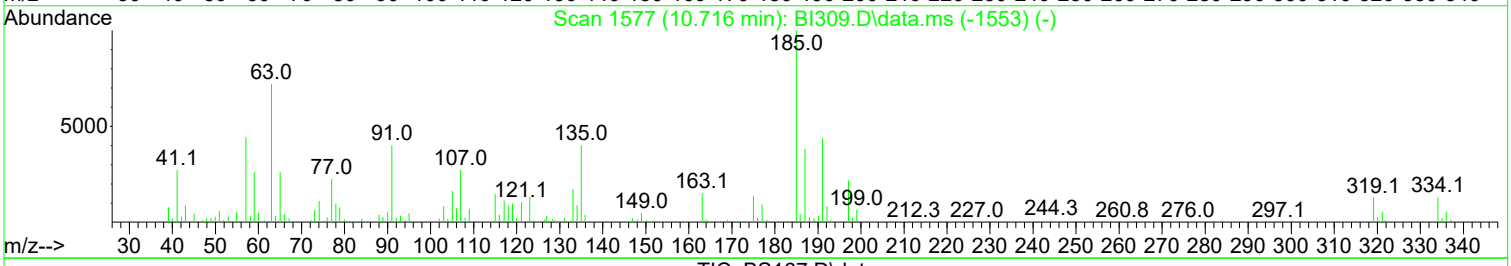
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS167.D
Acq On : 27 Jun 2019 7:19 pm
Operator : J.Misiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 28 10:22:52 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration







TIC: BS167.D\data.ms

(125) Aramite (TM)

10.775min (+ 0.001) 69.42 ppm

response 213783

Ion	Exp%	Act%
185.00	100.00	100.00
191.10	40.80	41.81
319.10	11.90	12.37
0.00	0.00	0.00

Manual Integration:

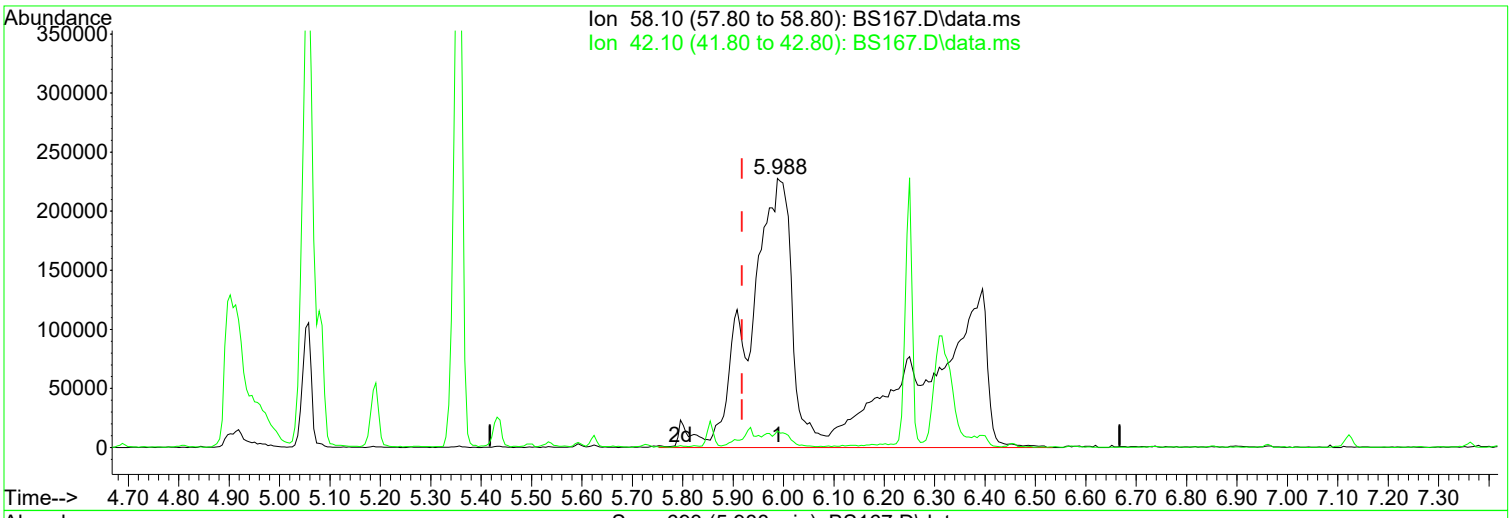
Before

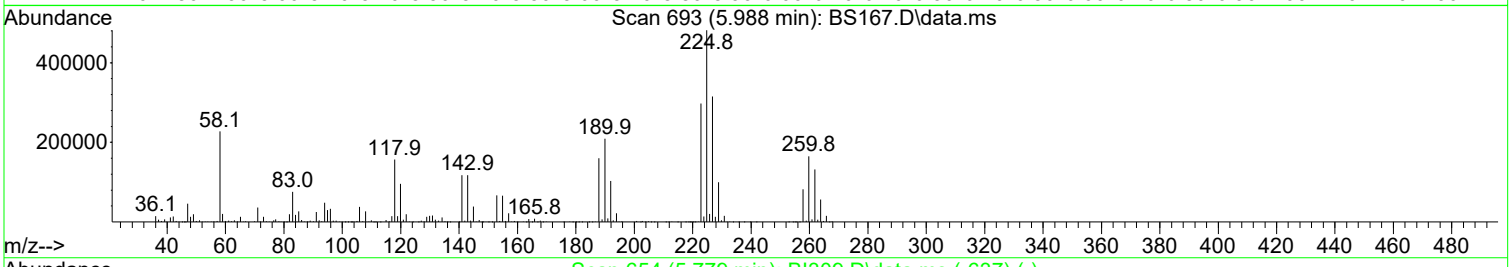
06/28/19

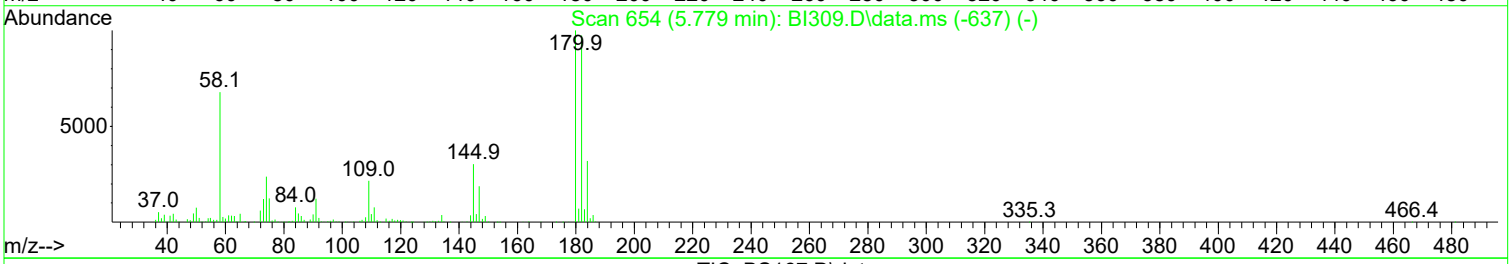
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS167.D
Acq On : 27 Jun 2019 7:19 pm
Operator : J.Misiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 28 10:22:52 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration







TIC: BS167.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.988min (+ 0.070) 119.31 ppm m

response 2500132

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	5.50	6.15
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

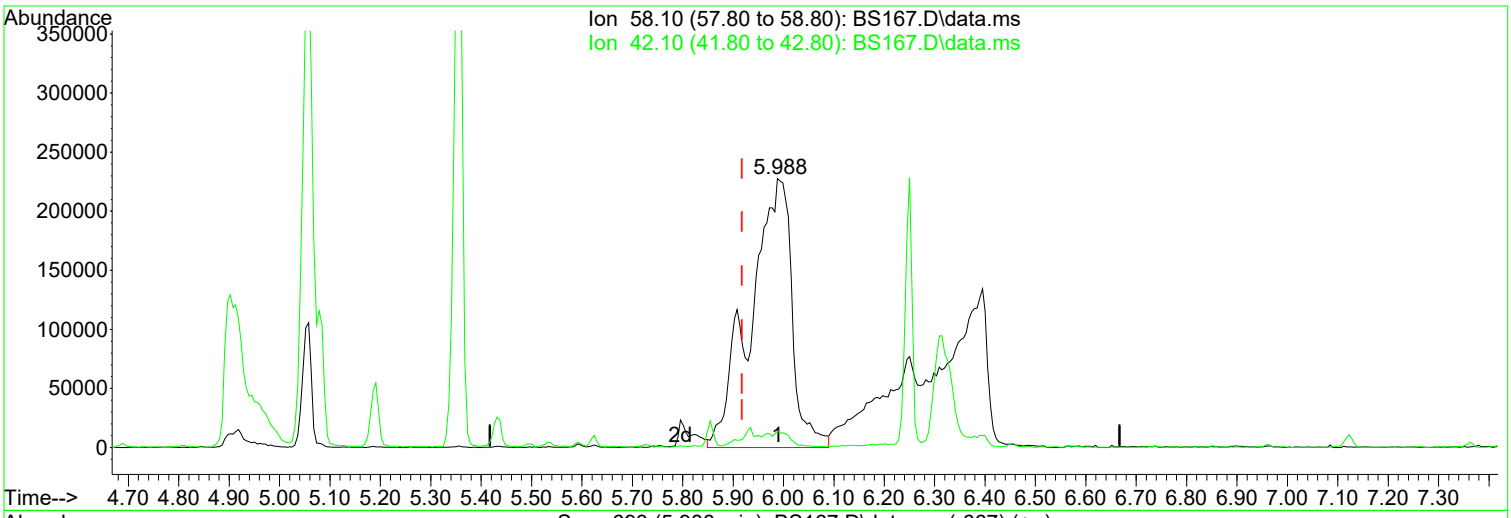
Poor integration.

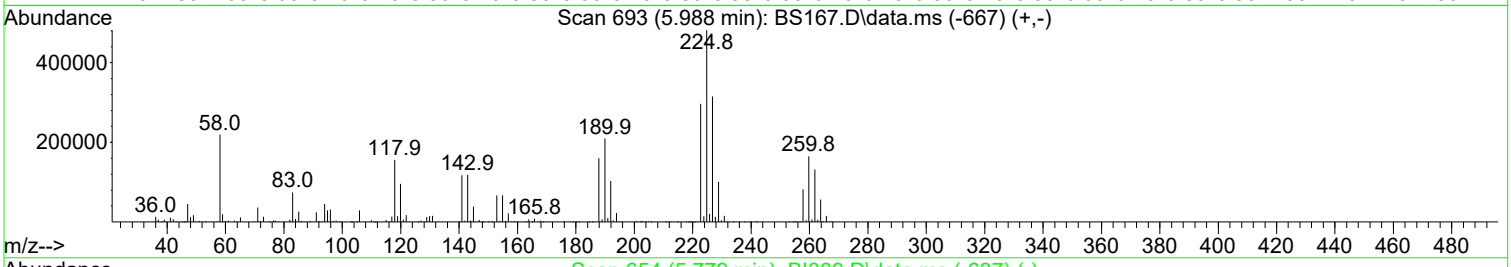
06/28/19

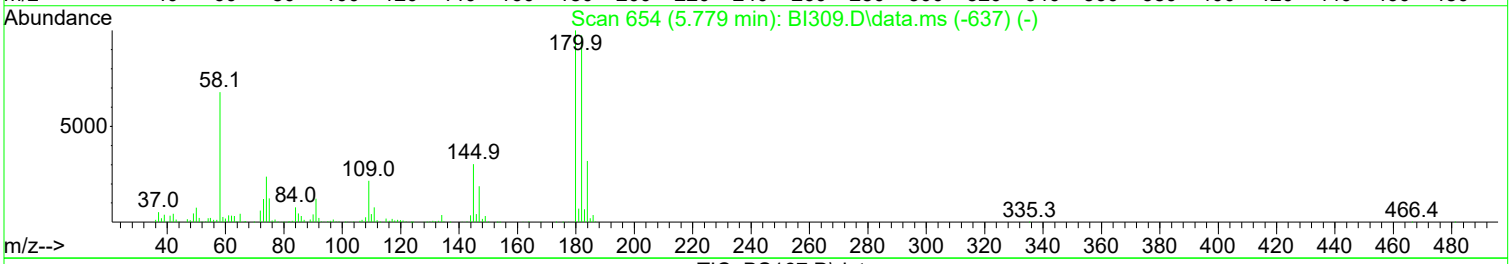
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS167.D
Acq On : 27 Jun 2019 7:19 pm
Operator : J.Misiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 28 10:22:52 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration







TIC: BS167.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.988min (+ 0.070) 62.28 ppm

response 1305075

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	5.50	2.95
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

06/28/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS167.D
Acq On : 27 Jun 2019 7:19 pm
Operator : J.Misiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 28 10:22:52 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.688	152	326037	40.00	ppm		0.00
33) d8-Naphthalene	5.854	136	1244058	40.00	ppm		0.00
57) d10-Acenaphthene	7.561	164	618899	40.00	ppm		0.00
91) d10-Phenanthrene	9.026	188	1009953	40.00	ppm		0.00
117) d12-Chrysene	12.251	240	884105	40.00	ppm		0.00
135) d12-Perylene	15.129	264	842209	40.00	ppm		0.00
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.624	112	1313747	126.90	ppm		0.00
Spiked Amount 200.000	Range 10 - 70		Recovery = 63.45%				
12) SURR2,PHENOL-D6	4.357	99	1631600	125.25	ppm		0.00
Spiked Amount 200.000	Range 10 - 107		Recovery = 62.63%				
34) SURR4,NITROBENZENE-D5	5.191	82	1242078	133.67	ppm		0.00
Spiked Amount 100.000	Range 31 - 110		Recovery = 133.67%#				
63) SURR5,2-FLUOROBIPHENYL	6.897	172	2390545	120.09	ppm		0.00
Spiked Amount 100.000	Range 31 - 118		Recovery = 120.09%#				
88) SURR3,2,4,6-TRIBROMOPH...	8.342	330	272568	132.70	ppm		0.00
Spiked Amount 200.000	Range 35 - 141		Recovery = 66.35%				
124) SURR6,TERPHENYL-D14	10.700	244	2054702	116.17	ppm		0.00
Spiked Amount 100.000	Range 10 - 165		Recovery = 116.17%				
Target Compounds							Qvalue
2) Pyridine	2.688	79	1297531	128.397	ppm		99
3) N-Nitrosodimethylamine	2.661	74	697358	120.004	ppm		98
4) 2-Picoline	3.212	93	1443332	123.597	ppm		99
5) N-Nitrosomethylamine	3.287	42	425620	121.139	ppm		96
6) Methyl Methansulfonate	3.517	80	648171	121.975	ppm		99
8) N-Nitrosodiethylamine	3.817	102	611140	124.251	ppm		97
9) Ethyl Mathanesulfonate	4.052	79	970535	120.740	ppm		98
10) Benzaldehyde	4.325	106	761813	93.778	ppm		99
11) Aniline	4.416	93	1962786	121.376	ppm		96
13) Phenol	4.367	94	1592331	122.597	ppm		97
14) bis(2-Clethyl)Ether	4.458	93	1206891	123.445	ppm		98
15) Pentachloroethane	4.453	117	490540	121.477	ppm		98
16) 2-Chlorophenol	4.512	128	1353357	125.961	ppm		97
17) 1,3-Diclbenzene	4.640	146	1383743	117.778	ppm		99
18) 1,4-Dichlorobenzene	4.704	146	1424745	118.552	ppm		99
19) 1,2-Diclbenzene	4.838	146	1335399	118.052	ppm		98
20) Benzyl Alcohol	4.806	79	976935	128.468	ppm		97
21) 1-Methyl-2-pyrrolidinone	4.897	99	826536	127.466	ppm		96
22) 2,2'-oxybis(1-Chloropr...	4.918	45	1401257	117.850	ppm		94
23) 2-Methylphenol	4.902	108	1198403	124.923	ppm		96
24) 3+4-Methylphenol	5.057	108	1295439	133.585	ppm	#	74
25) Acetophenone	5.052	105	1631343	117.010	ppm		98
26) N-Nitroso-Di-n-propyla...	5.057	70	826139	119.315	ppm		98
27) N-Nitrosopyrrolidine	5.063	100	646865	125.003	ppm		83
28) N-Nitrosomorpholine	5.084	56	571774	119.242	ppm		99
29) o-Toluidine	5.079	106	1992567	119.729	ppm		83
30) Hexachloroethane	5.138	117	577045	123.590	ppm		97
31) o,o,o-Triethylphosphor...	5.592	198	491514	125.730	ppm		88
35) Nitrobenzene	5.207	77	1183864	129.794	ppm		98
36) N-Nitrosopiperidine	5.357	42	568762	122.419	ppm		96
37) Isophorone	5.432	82	2212150	120.619	ppm		99
38) 2-Nitrophenol	5.496	139	680554	139.038	ppm		97
39) Benzoic Acid	5.673	105	763630	130.657	ppm		100

1st DM 07/01/19
2nd MP 07/01/19

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS167.D
Acq On : 27 Jun 2019 7:19 pm
Operator : J.Misiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 28 10:22:52 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40) 2,4-Dimethylphenol	5.534	107	1193358	124.225	ppm		98
41) bis(-2-Chloroethoxy)Me...	5.624	93	1478638	121.195	ppm		100
42) 2,4-Dichlorophenol	5.726	162	1028483	130.122	ppm		98
43) a,a-Dimethylphenethyla...	5.988	58	2500132m	119.306	ppm		
44) 1,2,4-Trichlorobenzene	5.796	180	1089209	121.077	ppm		100
45) Naphthalene	5.876	128	3403501	113.502	ppm		99
46) 4-Chloroaniline	5.935	127	1623129	120.683	ppm		99
47) 2,6-Dichlorophenol	5.935	162	1016265	128.592	ppm		97
48) Hexachlorobutadiene	5.983	225	508390	120.100	ppm		98
49) Hexachloropropene	5.956	213	621629	134.378	ppm		99
50) 4-Chloro-3-methylphenol	6.400	107	943467	125.391	ppm		98
51) N-N-di-n-butylamine	6.250	84	772216	114.124	ppm		97
52) Caprolactam	6.314	113	378550	131.489	ppm		92
53) p-Phenylenediamine	6.298	80	284031	87.396	ppm		97
54) Safrole	6.453	162	918351	121.906	ppm		100
55) 2-Methylnaphthalene	6.539	142	2348209	116.668	ppm		99
56) 1-Methylnaphthalene	6.635	142	2202273	117.666	ppm		100
58) Hexachlorocyclopentadiene	6.683	237	599156	129.711	ppm		99
59) 1,2,4,5-Tetrachloroben...	6.699	216	973075	122.626	ppm		100
60) 1,2,3,4-Tetrachloroben...	6.978	216	995914	123.337	ppm		99
61) 2,4,6-Trichlorophenol	6.817	196	644190	130.456	ppm		98
62) 2,4,5-Trichlorophenol	6.855	196	675328	130.570	ppm		98
64) Isosafrole	6.962	104	368073	125.866	ppm		97
65) 1,1'-Biphenyl	6.999	154	2703294	118.496	ppm		99
66) 2-Chloronaphthalene	7.020	162	2440392	121.125	ppm		97
67) 2-Nitroaniline	7.122	65	630662	135.693	ppm		98
68) 1,4-Naphthoquinone	7.197	158	643109	110.391	ppm		95
69) m-Dinitrobenzene	7.341	168	398421	120.985	ppm		83
70) Acenaphthylene	7.422	152	3148817	115.659	ppm		99
71) Dimethyl phthalate	7.309	163	2219666	123.533	ppm		99
72) 2,6-Dinitrotoluene	7.363	165	545658	119.397	ppm		96
73) Acenaphthene	7.593	153	2084460	116.648	ppm		99
74) 3-Nitroaniline	7.534	138	674432	118.922	ppm		100
75) 2,4-Dinitrophenol	7.641	184	272460	120.903	ppm		95
76) Dibenzofuran	7.764	168	2644549	113.638	ppm		99
77) 2,4-Dinitrotoluene	7.764	165	719476	119.949	ppm		93
78) 4-Nitrophenol	7.700	65	365801	125.619	ppm	#	76
79) Pentachlorobenzene	7.716	250	715593	115.372	ppm		97
80) 1-Napthylamine	7.855	143	2356082	126.548	ppm		99
81) 2-Napthylamine	7.930	143	2334513	125.328	ppm		99
82) 2,3,4,6-Tetrachlorophenol	7.887	232	529325	130.865	ppm		96
83) Fluorene	8.101	166	2167356	118.460	ppm		99
84) 4-Chlorophenyl-phenyle...	8.101	204	930670	115.994	ppm		98
85) Diethylphthalate	7.994	149	2304573	130.566	ppm		99
86) 4-Nitroaniline	8.149	138	761351	131.384	ppm		99
87) 5-Nitro-o-toluidine	8.133	152	755326	129.498	ppm		97
89) Sulfotepp	8.379	322	252980	135.073	ppm		92
90) Octachlorocyclopentene	8.347	307	251108	130.078	ppm		96
92) Thionazin	8.079	107	390629	134.468	ppm		96
93) 4,6-Dinitro-2-methylph...	8.165	198	378010	122.009	ppm		97
94) Diphenylamine	8.224	169	1972471	119.973	ppm		99
95) 1,2 Diphenylhydrazine	8.256	77	2184397	113.318	ppm		97
96) N-Nitrosodiphenylamine	8.224	169	1973028	119.990	ppm		99
97) 1,3,5-Trinirobenzene	8.507	213	218536	122.234	ppm	#	20
98) Diallate	8.502	86	814200	124.157	ppm		87
99) Phorate	8.513	121	455692	131.013	ppm		89

1st DM 07/01/19
2nd MP 07/01/19

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS167.D
Acq On : 27 Jun 2019 7:19 pm
Operator : J.Misiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 28 10:22:52 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration

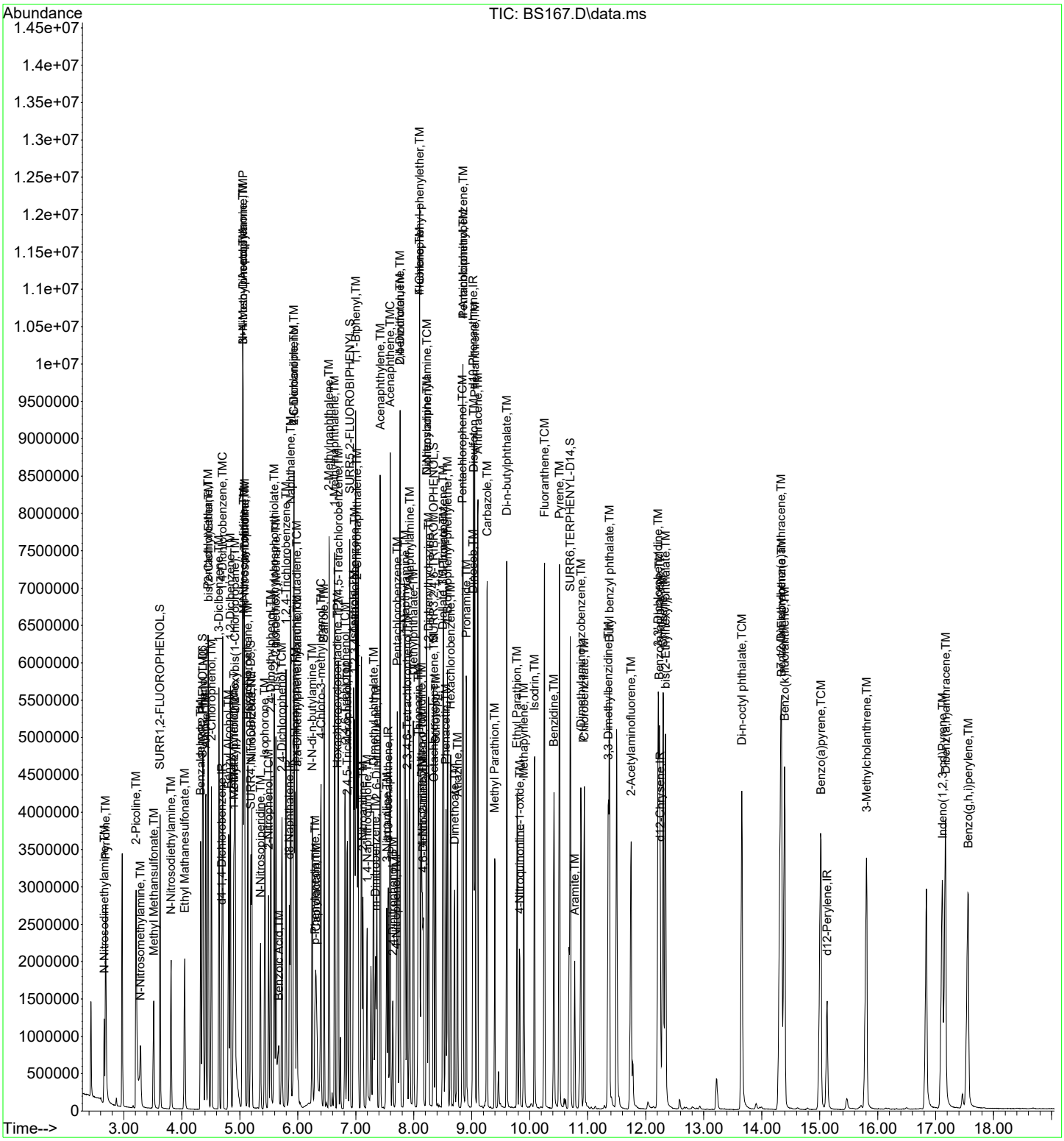
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
100) Phenacetin	8.555	108	1110889	125.510	ppm	100
101) 4-Bromophenyl-phenylether	8.582	248	547223	117.025	ppm	98
102) Hexachlorobenzene	8.636	284	595227	118.406	ppm	96
103) Dimethoate	8.705	87	720021	108.024	ppm	99
104) Atrazine	8.759	215	225592	109.370	ppm	94
105) Pentachlorophenol	8.839	266	386435	126.918	ppm	99
106) 4-Aminobiphenyl	8.850	169	2464698	118.774	ppm	99
107) Pentachloronitrobenzene	8.850	237	218941	131.114	ppm	97
108) Pronamide	8.908	173	1066212	127.995	ppm	99
109) Dinoseb	9.021	211	469326	129.327	ppm	99
110) Disulfoton	9.031	88	1207293	118.060	ppm	98
111) Phenanthrene	9.053	178	3157791	117.469	ppm	99
112) Anthracene	9.106	178	3235529	118.580	ppm	99
113) Carbazole	9.267	167	3145950	117.616	ppm	99
114) Di-n-butylphthalate	9.604	149	3836203	123.316	ppm	99
115) 4-Nitroquinonline-1-oxide	9.828	190	287733	118.520	ppm	93
116) Fluoranthene	10.256	202	3235372	116.907	ppm	98
118) Methyl Parathion	9.395	109	672259	124.262	ppm	99
119) Ethyl Parathion	9.780	97	471082	132.059	ppm	99
120) Methapyrilene	9.898	58	1205896	116.351	ppm	100
121) Isodrin	10.085	193	395795	125.391	ppm	96
122) Benzidine	10.417	184	1932708	119.983	ppm	100
123) Pyrene	10.513	202	3261434	115.850	ppm	100
125) Aramite	10.775	185	398837m	129.502	ppm	
126) p-(Dimethylamino)azobe...	10.882	120	1020793	126.411	ppm	99
127) Chlorobenzilate	10.941	139	1013062	134.093	ppm	96
128) Butyl benzyl phthalate	11.374	149	1779134	130.205	ppm	100
129) 3,3-Dimethylbenzidine	11.353	212	1763143	129.556	ppm	99
130) 2-Acetylaminofluorene	11.749	181	1414774	120.795	ppm	97
131) 3,3'-Dichlorobenzidine	12.214	252	1128911	133.625	ppm	98
132) Benzo(a)anthracene	12.235	228	2967076	120.466	ppm	99
133) Chrysene	12.300	228	2872533	119.251	ppm	100
134) bis(2-Ethylhexyl)phtha...	12.342	149	2553216	131.274	ppm	100
136) Di-n-octyl phthalate	13.658	149	4317603	120.601	ppm	100
137) 7,12-Dimethylbenz(a)an...	14.332	256	1409994	131.424	ppm	98
138) Benzo(b)Fluoranthene	14.343	252	3125608	134.635	ppm	100
139) Benzo(k)fluoranthene	14.396	252	2794341	122.697	ppm	98
140) Benzo(a)pyrene	15.022	252	2812890	134.096	ppm	99
141) 3-Methylcholanthrene	15.808	268	1492539	125.383	ppm	99
142) Indeno(1,2,3-cd)Pyrene	17.119	276	2279118	133.312	ppm	98
143) Dibenz(a,h)anthracene	17.172	278	2450171	134.902	ppm	99
144) Benzo(g,h,i)perylene	17.563	276	2228784	124.917	ppm	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS167.D
Acq On : 27 Jun 2019 7:19 pm
Operator : J.Misiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 11 Sample Multiplier: 1

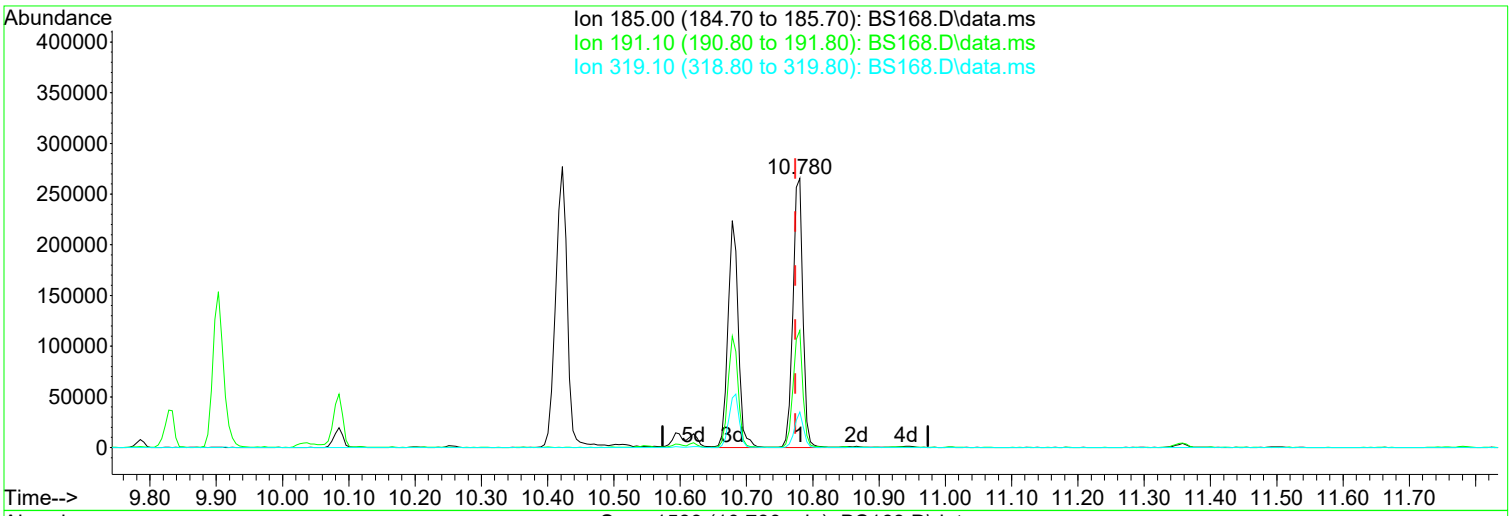
Quant Time: Jun 28 10:22:52 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration

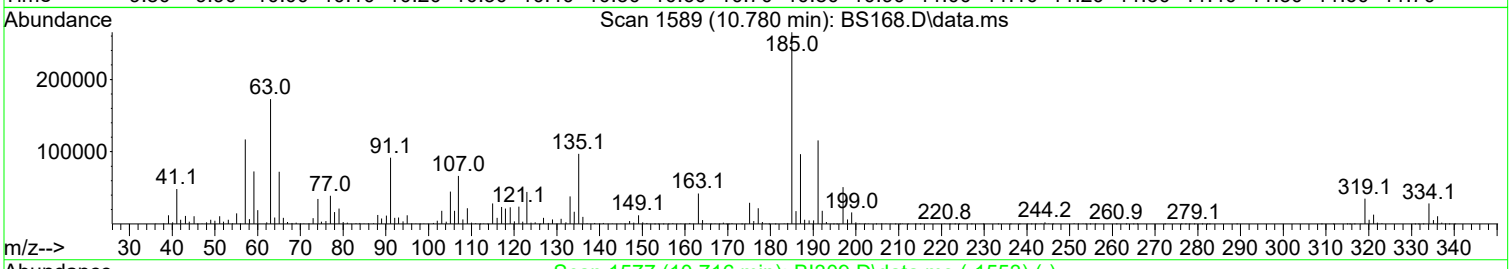


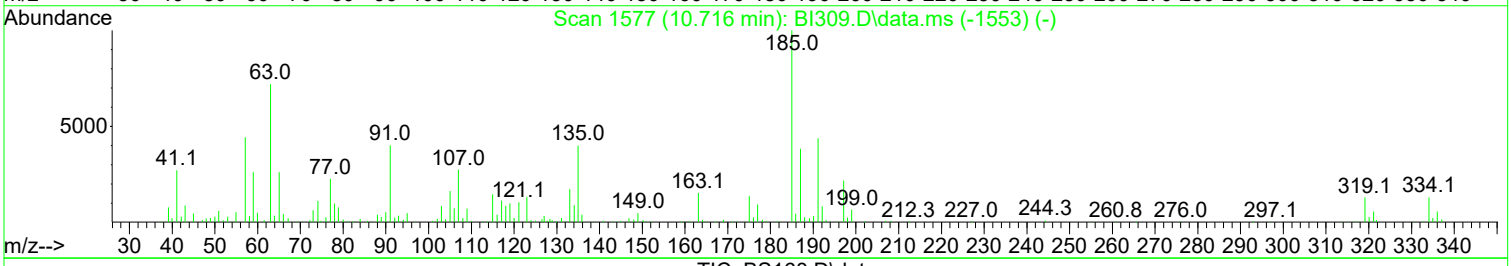
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS168.D
Acq On : 27 Jun 2019 7:47 pm
Operator : J.Misiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 28 10:22:58 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration







TIC: BS168.D\data.ms

(125) Aramite (TM)

10.780min (+ 0.006) 171.19 ppm m

response 518743

Ion	Exp%	Act%
185.00	100.00	100.00
191.10	40.80	43.58
319.10	11.90	13.24
0.00	0.00	0.00

Manual Integration:

After

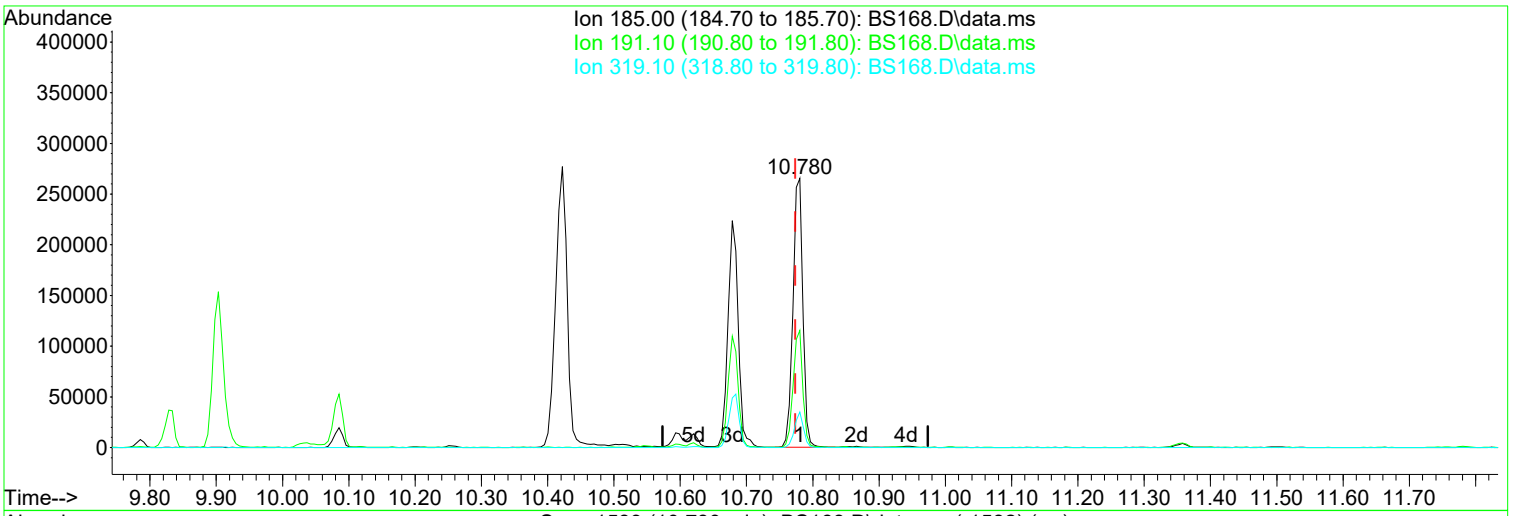
Split Peak.

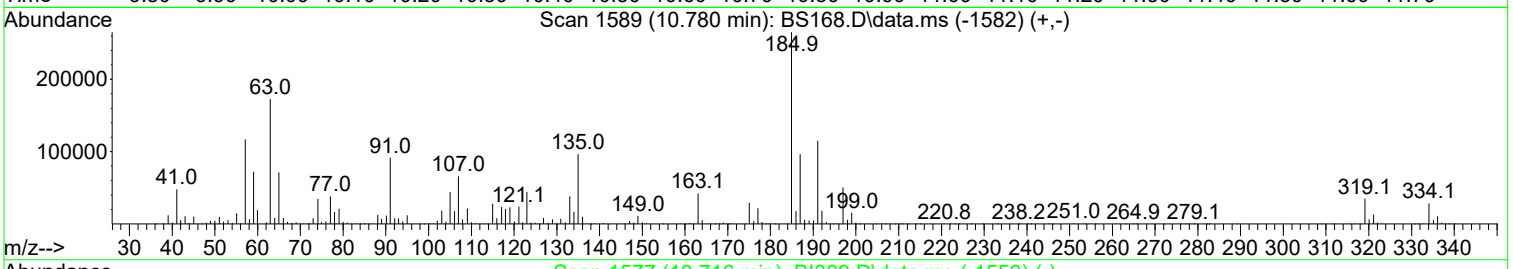
06/28/19

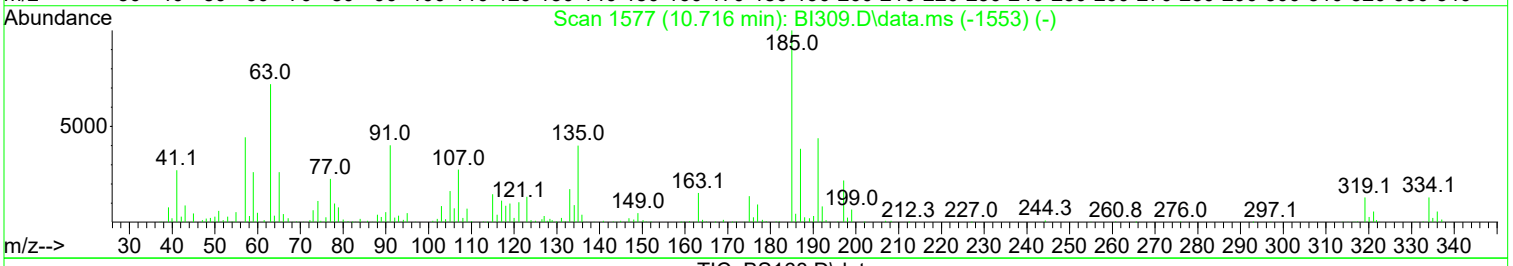
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS168.D
Acq On : 27 Jun 2019 7:47 pm
Operator : J.Misiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 28 10:22:58 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration







TIC: BS168.D\data.ms

(125) Aramite (TM)

10.780min (+ 0.006) 91.13 ppm

response 276153

Ion	Exp%	Act%
185.00	100.00	100.00
191.10	40.80	43.50
319.10	11.90	13.25
0.00	0.00	0.00

Manual Integration:

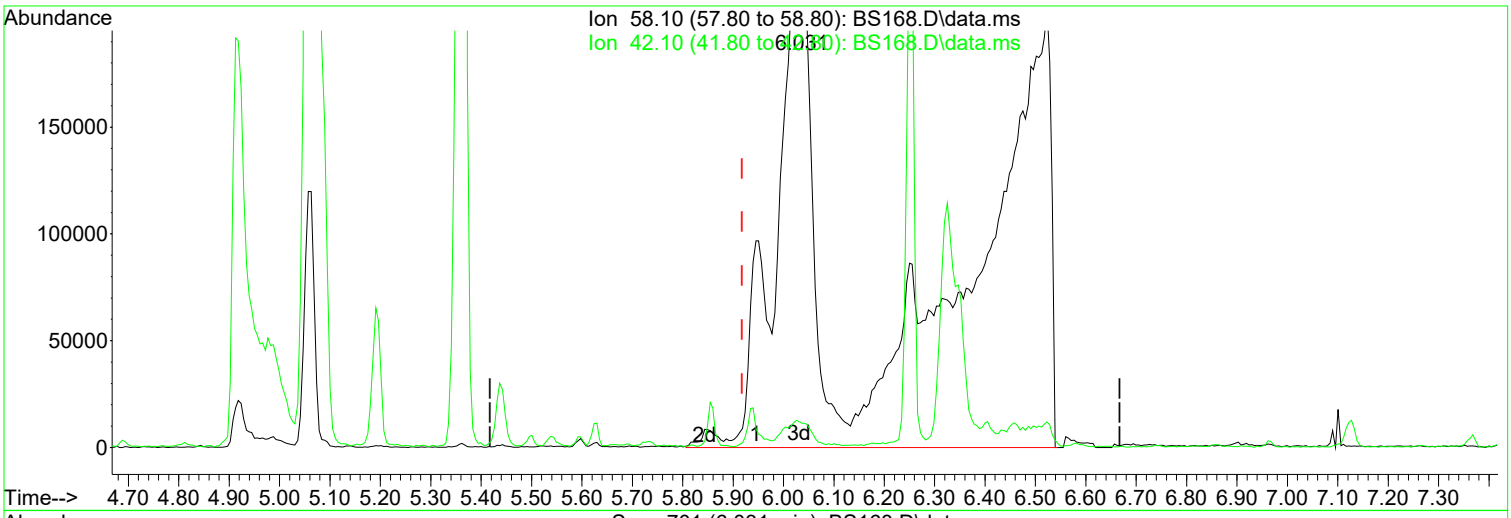
Before

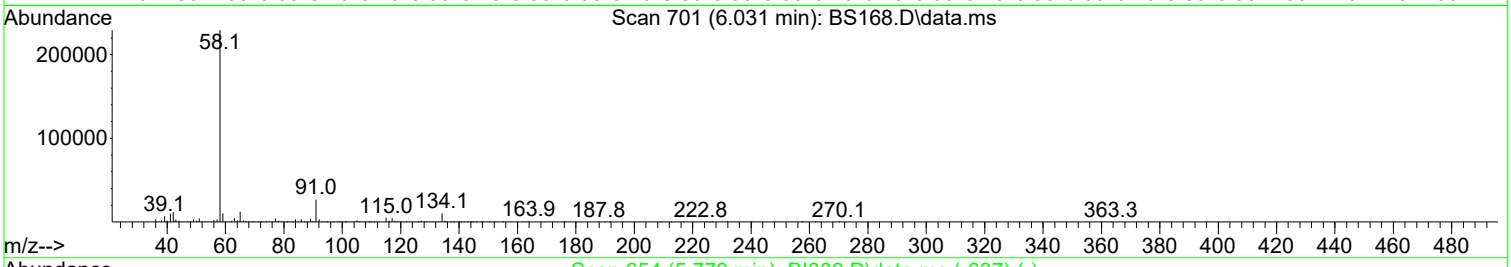
06/28/19

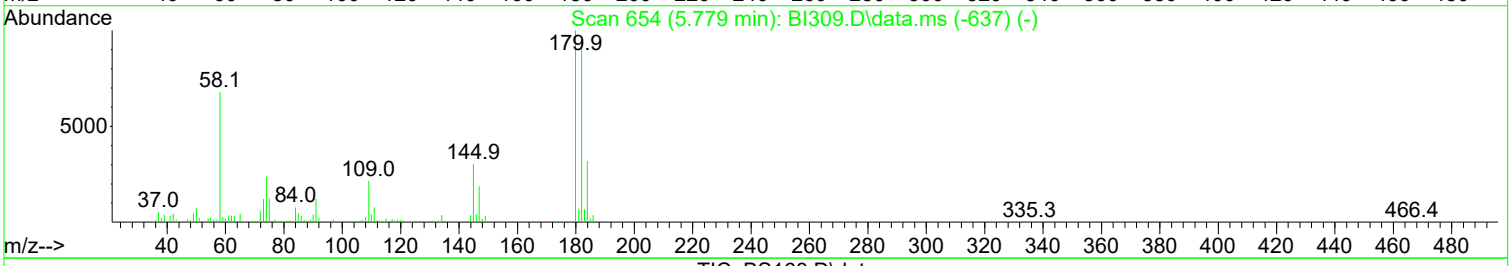
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS168.D
Acq On : 27 Jun 2019 7:47 pm
Operator : J.Misiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 28 10:22:58 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration







TIC: BS168.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

6.031min (+ 0.113) 158.06 ppm m

response 3228582

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	5.50	5.28
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

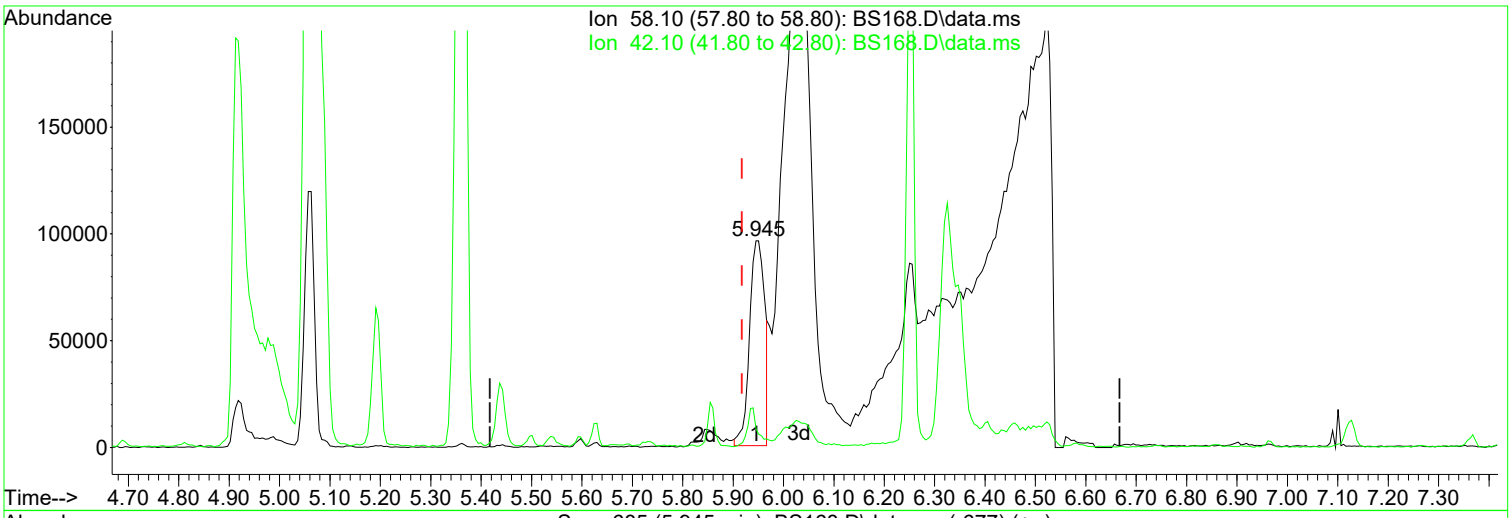
Poor integration.

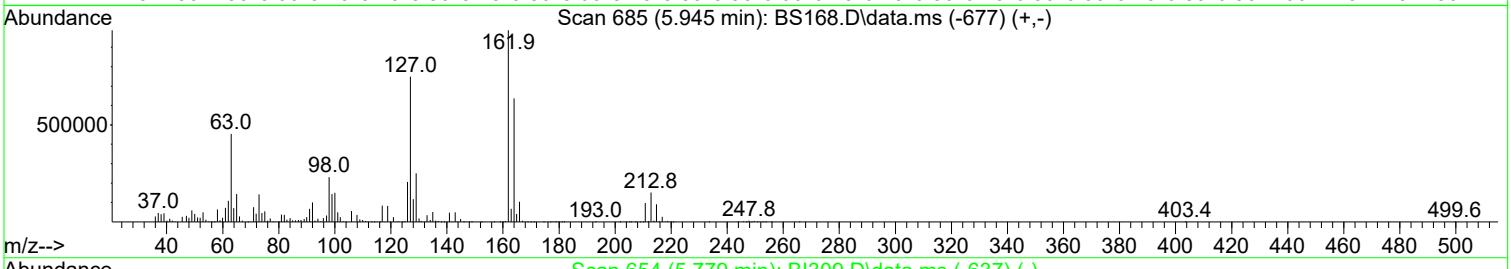
06/28/19

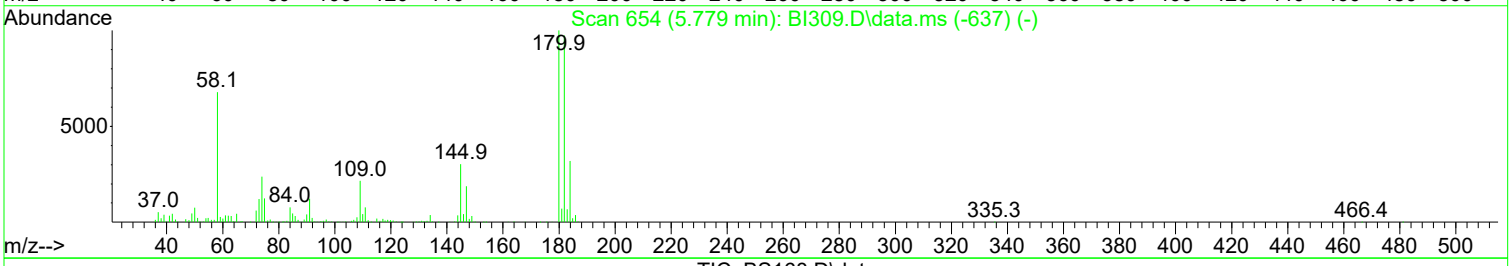
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS168.D
Acq On : 27 Jun 2019 7:47 pm
Operator : J.Misiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 28 10:22:58 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration







TIC: BS168.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.945min (+ 0.027) 9.89 ppm

response 202015

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	5.50	9.98
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

06/28/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS168.D
Acq On : 27 Jun 2019 7:47 pm
Operator : J.Misiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 28 10:22:58 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.694	152	311464	40.00	ppm		0.00
33) d8-Naphthalene	5.860	136	1212601	40.00	ppm		0.00
57) d10-Acenaphthene	7.560	164	583628	40.00	ppm		0.00
91) d10-Phenanthrene	9.031	188	984165	40.00	ppm		0.00
117) d12-Chrysene	12.257	240	869895	40.00	ppm		0.01
135) d12-Perylene	15.134	264	837075	40.00	ppm		0.00
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.629	112	1659230	167.77	ppm		0.00
Spiked Amount 200.000	Range 10 - 70		Recovery =	83.89%#			
12) SURR2,PHENOL-D6	4.362	99	2086463	167.67	ppm		0.00
Spiked Amount 200.000	Range 10 - 107		Recovery =	83.83%			
34) SURR4,NITROBENZENE-D5	5.191	82	1601431	176.81	ppm		0.00
Spiked Amount 100.000	Range 31 - 110		Recovery =	176.81%#			
63) SURR5,2-FLUOROBIPHENYL	6.903	172	2943306	156.79	ppm		0.00
Spiked Amount 100.000	Range 31 - 118		Recovery =	156.79%#			
88) SURR3,2,4,6-TRIBROMOPH...	8.341	330	343729	177.46	ppm		0.00
Spiked Amount 200.000	Range 35 - 141		Recovery =	88.73%			
124) SURR6,TERPHENYL-D14	10.705	244	2632135	151.25	ppm		0.00
Spiked Amount 100.000	Range 10 - 165		Recovery =	151.25%			
Target Compounds							Qvalue
2) Pyridine	2.693	79	1655754	171.511	ppm		99
3) N-Nitrosodimethylamine	2.672	74	897243	155.996	ppm		98
4) 2-Picoline	3.212	93	1872236	167.826	ppm		100
5) N-Nitrosomethylamine	3.292	42	573422	170.843	ppm		97
6) Methyl Methansulfonate	3.522	80	840087	165.487	ppm		99
8) N-Nitrosodiethylamine	3.816	102	790808	168.302	ppm		98
9) Ethyl Mathanesulfonate	4.052	79	1262988	164.474	ppm		99
10) Benzaldehyde	4.330	106	730259	94.100	ppm		98
11) Aniline	4.415	93	2487882	161.045	ppm		99
13) Phenol	4.373	94	2038741	164.311	ppm		99
14) bis(2-Clethyl)Ether	4.464	93	1519198	162.660	ppm		100
15) Pentachloroethane	4.453	117	617078	159.962	ppm		98
16) 2-Chlorophenol	4.512	128	1737618	169.292	ppm		99
17) 1,3-Diclbenzene	4.645	146	1760229	156.833	ppm		99
18) 1,4-Dichlorobenzene	4.710	146	1793187	156.192	ppm		98
19) 1,2-Diclbenzene	4.838	146	1699326	157.252	ppm		97
20) Benzyl Alcohol	4.817	79	1265757	174.236	ppm		99
21) 1-Methyl-2-pyrrolidinone	4.913	99	1064420	171.833	ppm		94
22) 2,2'-oxybis(1-Chloropr...	4.918	45	1728424	152.167	ppm		90
23) 2-Methylphenol	4.902	108	1532225	167.194	ppm		98
24) 3+4-Methylphenol	5.068	108	1643309	177.386	ppm	#	57
25) Acetophenone	5.052	105	2084493	156.508	ppm		91
26) N-Nitroso-Di-n-propyla...	5.057	70	1046574	158.224	ppm		94
27) N-Nitrosopyrrolidine	5.073	100	830857	168.070	ppm		68
28) N-Nitrosomorpholine	5.089	56	744119	162.445	ppm		95
29) o-Toluidine	5.084	106	2538328	159.659	ppm		97
30) Hexachloroethane	5.138	117	720328	161.496	ppm		96
31) o,o,o-Triethylphosphor...	5.598	198	624145	167.127	ppm		95
35) Nitrobenzene	5.212	77	1517502	170.689	ppm		100
36) N-Nitrosopiperidine	5.362	42	736265	162.583	ppm		97
37) Isophorone	5.437	82	2835432	158.614	ppm		99
38) 2-Nitrophenol	5.501	139	888283	186.185	ppm		99
39) Benzoic Acid	5.688	105	1063733	186.726	ppm		98

1st DM 07/01/19
2nd MP 07/01/19

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS168.D
Acq On : 27 Jun 2019 7:47 pm
Operator : J.Misiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 28 10:22:58 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) 2,4-Dimethylphenol	5.539	107	1514599	161.756	ppm	98
41) bis(-2-Chloroethoxy)Me...	5.630	93	1847330	155.343	ppm	99
42) 2,4-Dichlorophenol	5.731	162	1296590	168.298	ppm	99
43) a,a-Dimethylphenethyla...	6.031	58	3228582m	158.065	ppm	
44) 1,2,4-Trichlorobenzene	5.801	180	1373410	156.629	ppm	100
45) Naphthalene	5.881	128	4208832	144.000	ppm	97
46) 4-Chloroaniline	5.940	127	2045705	156.049	ppm	99
47) 2,6-Dichlorophenol	5.940	162	1295531	168.181	ppm	97
48) Hexachlorobutadiene	5.988	225	652558	158.156	ppm	95
49) Hexachloropropene	5.956	213	787124	174.567	ppm	99
50) 4-Chloro-3-methylphenol	6.405	107	1206428	164.500	ppm	99
51) N-N-di-n-butylamine	6.255	84	958654	145.352	ppm	96
52) Caprolactam	6.325	113	497972	177.457	ppm	93
53) p-Phenylenediamine	6.304	80	295293	93.219	ppm	92
54) Safrole	6.459	162	1177606	160.375	ppm	99
55) 2-Methylnaphthalene	6.544	142	2930505	149.376	ppm	98
56) 1-Methylnaphthalene	6.641	142	2768353	151.749	ppm	99
58) Hexachlorocyclopentadiene	6.689	237	759910	174.455	ppm	99
59) 1,2,4,5-Tetrachloroben...	6.705	216	1231923	164.628	ppm	99
60) 1,2,3,4-Tetrachloroben...	6.983	216	1230303	161.572	ppm	98
61) 2,4,6-Trichlorophenol	6.817	196	812911	174.573	ppm	99
62) 2,4,5-Trichlorophenol	6.860	196	875981	179.600	ppm	100
64) Isosafrole	6.967	104	461936	167.510	ppm	100
65) 1,1'-Biphenyl	7.004	154	3260656	151.565	ppm	98
66) 2-Chloronaphthalene	7.020	162	2820423	148.447	ppm	94
67) 2-Nitroaniline	7.127	65	828619	189.060	ppm	98
68) 1,4-Naphthoquinone	7.197	158	760532	138.437	ppm	97
69) m-Dinitrobenzene	7.347	168	536918	156.332	ppm	87
70) Acenaphthylene	7.427	152	3860444	150.367	ppm	98
71) Dimethyl phthalate	7.309	163	2913032	171.919	ppm	99
72) 2,6-Dinitrotoluene	7.368	165	731402	157.630	ppm	79
73) Acenaphthene	7.598	153	2554757	151.606	ppm	98
74) 3-Nitroaniline	7.544	138	892950	156.818	ppm	96
75) 2,4-Dinitrophenol	7.646	184	388667	156.623	ppm	99
76) Dibenzofuran	7.764	168	3310618	150.857	ppm	98
77) 2,4-Dinitrotoluene	7.774	165	959659	156.778	ppm	87
78) 4-Nitrophenol	7.710	65	467682	170.312	ppm	78
79) Pentachlorobenzene	7.721	250	905223	154.765	ppm	99
80) 1-Napthylamine	7.860	143	3045661	173.472	ppm	99
81) 2-Napthylamine	7.935	143	2960923	168.564	ppm	99
82) 2,3,4,6-Tetrachlorophenol	7.887	232	699308	183.338	ppm	97
83) Fluorene	8.106	166	2674494	155.013	ppm	100
84) 4-Chlorophenyl-phenyle...	8.101	204	1145946	151.456	ppm	96
85) Diethylphthalate	7.999	149	2954047	177.476	ppm	99
86) 4-Nitroaniline	8.160	138	1030860	188.643	ppm	98
87) 5-Nitro-o-toluidine	8.138	152	1017880	185.058	ppm	99
89) Sulfotepp	8.379	322	319884	181.117	ppm	70
90) Octachlorocyclopentene	8.347	307	301914	165.847	ppm	94
92) Thionazin	8.085	107	511280	180.612	ppm	96
93) 4,6-Dinitro-2-methylph...	8.170	198	521921	156.036	ppm	96
94) Diphenylamine	8.229	169	2554148	159.424	ppm	98
95) 1,2 Diphenylhydrazine	8.261	77	2778703	147.925	ppm	97
96) N-Nitrosodiphenylamine	8.229	169	2554148	159.401	ppm	98
97) 1,3,5-Trinirobenzene	8.523	213	298507	156.392	ppm	95
98) Diallate	8.502	86	1052090	164.636	ppm	89
99) Phorate	8.518	121	581937	171.693	ppm	91

1st DM 07/01/19
2nd MP 07/01/19

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS168.D
Acq On : 27 Jun 2019 7:47 pm
Operator : J.Misiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 28 10:22:58 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration

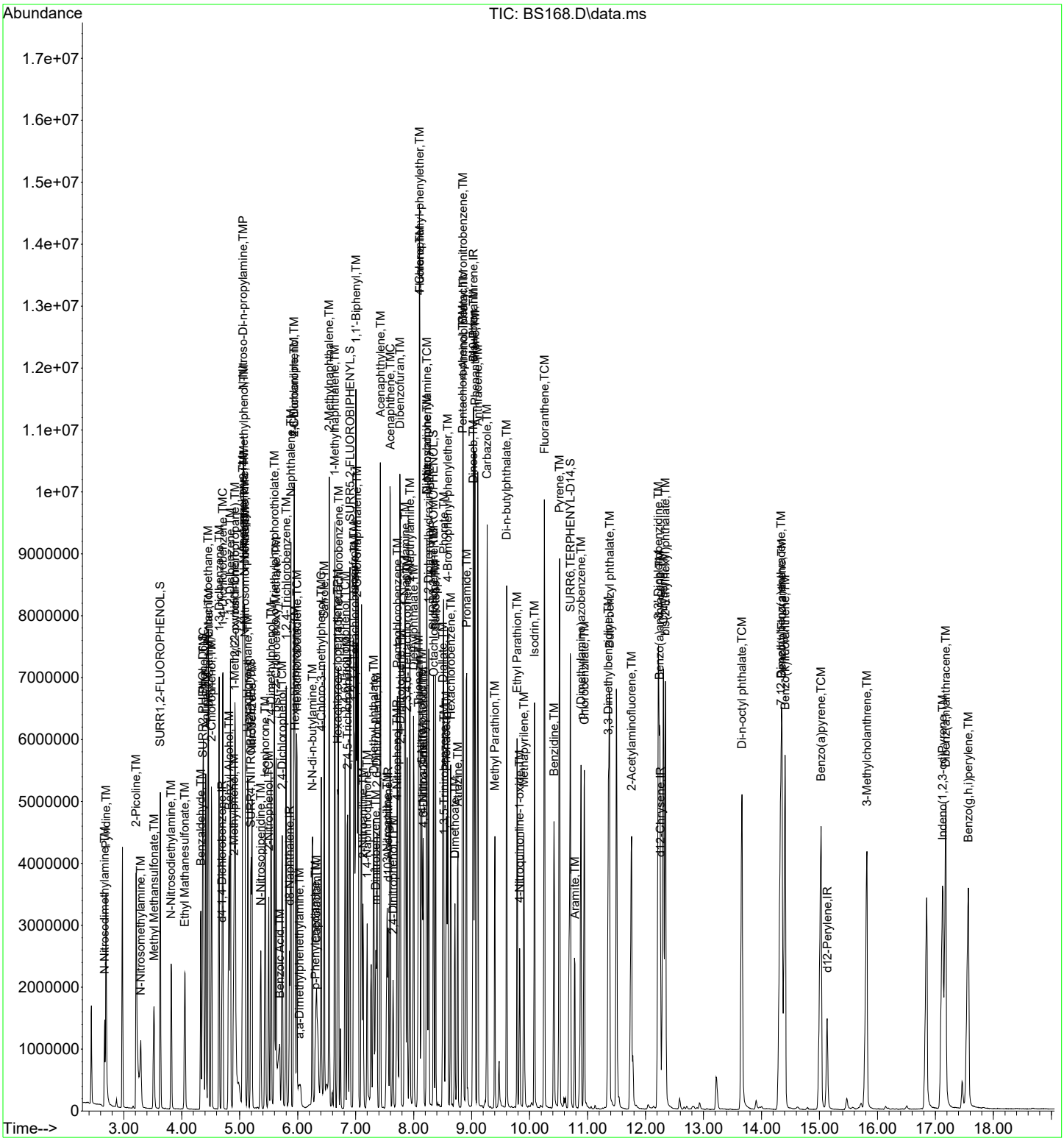
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
100) Phenacetin	8.566	108	1446748	167.738	ppm	99
101) 4-Bromophenyl-phenylether	8.587	248	706003	154.936	ppm	99
102) Hexachlorobenzene	8.641	284	757715	154.679	ppm	100
103) Dimethoate	8.710	87	807062	124.256	ppm	100
104) Atrazine	8.764	215	250452	124.604	ppm	97
105) Pentachlorophenol	8.844	266	507079	170.906	ppm	99
106) 4-Aminobiphenyl	8.855	169	2941870	145.484	ppm	99
107) Pentachloronitrobenzene	8.849	237	277648	170.627	ppm	98
108) Pronamide	8.914	173	1380534	170.071	ppm	99
109) Dinoseb	9.026	211	653701	184.853	ppm	99
110) Disulfoton	9.031	88	1558513	156.399	ppm	97
111) Phenanthrene	9.058	178	3995083	152.510	ppm	98
112) Anthracene	9.106	178	4119971	154.951	ppm	97
113) Carbazole	9.267	167	4007991	153.771	ppm	98
114) Di-n-butylphthalate	9.604	149	4762312	157.098	ppm	97
115) 4-Nitroquinonline-1-oxide	9.828	190	345245	151.800	ppm	98
116) Fluoranthene	10.256	202	4094029	151.809	ppm	98
118) Methyl Parathion	9.400	109	806571	151.524	ppm	96
119) Ethyl Parathion	9.786	97	607627	173.119	ppm	98
120) Methapyrilene	9.903	58	1525336	149.577	ppm	100
121) Isodrin	10.085	193	513581	165.365	ppm	98
122) Benzidine	10.422	184	2279761	143.840	ppm	99
123) Pyrene	10.518	202	4167762	150.462	ppm	98
125) Aramite	10.780	185	518743m	171.187	ppm	
126) p-(Dimethylamino)azobe...	10.887	120	1326247	166.920	ppm	98
127) Chlorobenzilate	10.946	139	1376386	185.161	ppm	97
128) Butyl benzyl phthalate	11.379	149	2333495	173.566	ppm	99
129) 3,3-Dimethylbenzidine	11.358	212	2096359	156.557	ppm	100
130) 2-Acetylaminofluorene	11.759	181	1900047	156.602	ppm	98
131) 3,3'-Dichlorobenzidine	12.219	252	1438727	173.079	ppm	99
132) Benzo(a)anthracene	12.241	228	3843839	158.612	ppm	99
133) Chrysene	12.310	228	3743450	157.945	ppm	100
134) bis(2-Ethylhexyl)phtha...	12.342	149	3354076	175.267	ppm	99
136) Di-n-octyl phthalate	13.663	149	5712447	155.794	ppm	100
137) 7,12-Dimethylbenz(a)an...	14.337	256	1844987	173.024	ppm	97
138) Benzo(b)Fluoranthene	14.353	252	4121438	178.619	ppm	99
139) Benzo(k)fluoranthene	14.407	252	3555865	157.093	ppm	97
140) Benzo(a)pyrene	15.027	252	3662786	175.683	ppm	99
141) 3-Methylcholanthrene	15.819	268	1934273	163.488	ppm	99
142) Indeno(1,2,3-cd)Pyrene	17.124	276	3018961	177.670	ppm	100
143) Dibenz(a,h)anthracene	17.183	278	3173231	175.783	ppm	99
144) Benzo(g,h,i)perylene	17.568	276	2865509	161.588	ppm	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st 07/01/19
2nd 07/01/19

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS168.D
Acq On : 27 Jun 2019 7:47 pm
Operator : J.Misiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 28 10:22:58 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 09:55:19 2019
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS169.D
Acq On : 27 Jun 2019 8:16 pm
Operator : J.Misiurewicz
Sample : ICV
Misc : Initial Calibration 8270D/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 28 11:04:17 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 10:37:35 2019
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	IR	d4-1,4-Dichlorobenzene	40.000	40.000	0.0	100	0.00
2	TM	Pyridine	80.000	0.000	100.0#	0	-2.70#
3	TM	N-Nitrosodimethylamine	80.000	0.000	100.0#	0	-2.67#
4	TM	2-Picoline	80.000	0.000	100.0#	0	-3.22#
5	TM	N-Nitrosomethylamine	80.000	0.000	100.0#	0	-3.29#
6	TM	Methyl Methansulfonate	80.000	62.057	22.4#	75	0.00
7	S	SURR1,2-FLUOROPHENOL	80.000	85.942	-7.4	102	0.00
8	TM	N-Nitrosodiethylamine	80.000	86.393	-8.0	103	0.00
9	TM	Ethyl Mathanesulfonate	80.000	0.000	100.0#	0	-4.04#
10	TM	Benzaldehyde	80.000	89.185	-11.5	117	0.00
11	TM	Aniline	80.000	0.000	100.0#	0	-4.41#
12	S	SURR2,PHENOL-D6	80.000	84.688	-5.9	101	0.00
13	TMC	Phenol	80.000	85.283	-6.6	104	0.00
14	TM	bis(2-Clethyl)Ether	80.000	85.528	-6.9	103	0.00
15	TM	Pentachloroethane	80.000	83.145	-3.9	102	0.00
16	TM	2-Chlorophenol	80.000	87.153	-8.9	103	0.00
17	TM	1,3-Diclbenzene	80.000	83.858	-4.8	104	0.00
18	TMC	1,4-Dichlorobenzene	80.000	83.960	-4.9	104	0.00
19	TM	1,2-Diclbenzene	80.000	84.943	-6.2	106	0.00
20	TM	Benzyl Alcohol	80.000	86.992	-8.7	103	0.00
21	T	1-Methyl-2-pyrrolidinone	80.000	0.000	100.0#	0	-4.87#
22	TM	2,2'-oxybis(1-Chloropropane	80.000	85.410	-6.8	107	0.00
23	TM	2-Methylphenol	80.000	84.693	-5.9	103	0.00
24	TM	3+4-Methylphenol	80.000	90.325	-12.9	111	0.00
25	TM	Acetophenone	80.000	0.000	100.0#	0	-5.04#
26	TMP	N-Nitroso-Di-n-propylamine	80.000	0.000	100.0#	0	-5.04#
27	TM	N-Nitrosopyrrolidine	80.000	0.000	100.0#	0	-5.04#
28	TM	N-Nitrosomorpholine	80.000	0.000	100.0#	0	-5.07#
29	TM	o-Toluidine	80.000	0.000	100.0#	0	-5.07#
30	TM	Hexachloroethane	80.000	85.629	-7.0	105	0.00
31	TM	o,o,o-Triethylphosphorothio	80.000	0.000	100.0#	0	-5.59#
32	TM	Alpha-terpinol	80.000	0.000	100.0#	0	-5.88#
33	IR	d8-Naphthalene	40.000	40.000	0.0	100	0.00
34	S	SURR4,NITROBENZENE-D5	80.000	91.231	-14.0	106	0.00
35	TM	Nitrobenzene	80.000	86.841	-8.6	102	0.00
36	TM	N-Nitrosopiperidine	80.000	0.000	100.0#	0	-5.34#
37	TM	Isophorone	80.000	80.385	-0.5	101	0.00
38	TCM	2-Nitrophenol	80.000	94.540	-18.2	117	0.00
39	TM	Benzoic Acid	80.000	89.459	-11.8	119	0.03
40	TM	2,4-Dimethylphenol	80.000	85.048	-6.3	103	0.00
41	TM	bis(-2-Chloroethoxy)Methane	80.000	84.256	-5.3	106	0.00
42	TCM	2,4-Dichlorophenol	80.000	86.759	-8.4	102	0.00
43	TM	a,a-Dimethylphenethylamine	80.000	0.000	100.0#	0	-5.84#
44	TM	1,2,4-Trichlorobenzene	80.000	85.627	-7.0	108	0.00
45	TM	Naphthalene	80.000	84.313	-5.4	107	0.00
46	TM	4-Chloroaniline	80.000	81.759	-2.2	101	0.00
47	TM	2,6-Dichlorophenol	80.000	91.078	-13.8	108	0.00
48	TCM	Hexachlorobutadiene	80.000	88.237	-10.3	110	0.00
49	TM	Hexachloropropene	80.000	90.288	-12.9	104	0.00
50	TMC	4-Chloro-3-methylphenol	80.000	88.447	-10.6	106	0.00
51	TM	N-N-di-n-butylamine	80.000	0.000	100.0#	0	-6.24#

1st DM 07/01/19
2nd MP 07/01/19

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS169.D
Acq On : 27 Jun 2019 8:16 pm
Operator : J.Misiurewicz
Sample : ICV
Misc : Initial Calibration 8270D/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 28 11:04:17 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 10:37:35 2019
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
52	TM	Caprolactam	80.000	0.000	100.0#	0	-6.28#
53	TM	p-Phenylenediamine	80.000	0.346	99.6#	0	0.00
54	TM	Safrole	80.000	81.376	-1.7	100	0.00
55	TM	2-Methylnaphthalene	80.000	83.576	-4.5	106	0.00
56	TM	1-Methylnaphthalene	80.000	86.246	-7.8	108	0.00
57	IR	d10-Acenaphthene	40.000	40.000	0.0	100	0.00
58	TPM	Hexachlorocyclopentadiene	80.000	84.208	-5.3	99	0.00
59	TM	1,2,4,5-Tetrachlorobenzene	80.000	79.846	0.2	100	0.00
60	TM	1,2,3,4-Tetrachlorobenzene	80.000	0.000	100.0#	0	-6.97#
61	TCM	2,4,6-Trichlorophenol	80.000	91.718	-14.6	103	0.00
62	TM	2,4,5-Trichlorophenol	80.000	97.024	-21.3#	111	0.00
63	S	SURR5,2-FLUOROBIPHENYL	80.000	78.997	1.3	98	0.00
64	TM	Isosafrole	80.000	0.000	100.0#	0	-6.96#
65	TM	1,1'-Biphenyl	80.000	0.000	100.0#	0	-6.99#
66	TM	2-Chloronaphthalene	80.000	73.050	8.7	96	0.00
67	TM	2-Nitroaniline	80.000	0.000	100.0#	0	-7.11#
68	TM	1,4-Naphthoquinone	80.000	0.000	100.0#	0	-7.19#
69	TM	m-Dinitrobenzene	80.000	83.397	-4.2	103	0.00
70	TM	Acenaphthylene	80.000	87.979	-10.0	108	0.00
71	TM	Dimethyl phthalate	80.000	82.540	-3.2	102	0.00
72	TM	2,6-Dinitrotoluene	80.000	82.780	-3.5	102	0.00
73	TMC	Acenaphthene	80.000	87.243	-9.1	109	0.00
74	TM	3-Nitroaniline	80.000	0.000	100.0#	0	-7.52#
75	TPM	2,4-Dinitrophenol	80.000	93.563	-17.0	123	0.00
76	TM	Dibenzofuran	80.000	80.322	-0.4	103	0.00
77	TM	2,4-Dinitrotoluene	80.000	85.480	-6.9	107	0.00
78	TMP	4-Nitrophenol	80.000	91.926	-14.9	108	0.00
79	TM	Pentachlorobenzene	80.000	79.920	0.1	102	0.00
80	TM	1-Napthylamine	80.000	0.000	100.0#	0	-7.84#
81	TM	2-Napthylamine	80.000	0.000	100.0#	0	-7.92#
82	TM	2,3,4,6-Tetrachlorophenol	80.000	87.269	-9.1	108	0.00
83	TM	Fluorene	80.000	86.245	-7.8	108	0.00
84	TM	4-Chlorophenyl-phenylether	80.000	81.941	-2.4	104	0.00
85	TM	Diethylphthalate	80.000	88.207	-10.3	103	0.00
86	TM	4-Nitroaniline	80.000	0.000	100.0#	0	-8.13#
87	TM	5-Nitro-o-toluidine	80.000	0.000	100.0#	0	-8.11#
88	S	SURR3,2,4,6-TRIBROMOPHENOL	80.000	94.663	-18.3	108	0.00
89	TM	Sulfotepp	80.000	87.917	-9.9	99	0.00
90	TM	Octachlorocyclopentene	80.000	0.000	100.0#	0	-8.34#
91	IR	d10-Phenanthrene	40.000	40.000	0.0	100	0.00
92	TM	Thionazin	80.000	0.000	100.0#	0	-8.07#
93	TM	4,6-Dinitro-2-methylphenol	80.000	94.598	-18.2	124	0.00
94	TM	Diphenylamine	80.000	0.000	100.0#	0	-8.21#
95	TM	1,2 Diphenylhydrazine	80.000	0.000	100.0#	0	-8.25#
96	TCM	N-Nitrosodiphenylamine	80.000	0.000	100.0#	0	-8.21#
97	TM	1,3,5-Trinirobenzene	80.000	85.083	-6.4	107	0.01
98	TM	Diallate	80.000	0.000	100.0#	0	-8.49#
99	TM	Phorate	80.000	0.000	100.0#	0	-8.51#
100	TM	Phenacetin	80.000	0.000	100.0#	0	-8.53#
101	TM	4-Bromophenyl-phenylether	80.000	81.934	-2.4	105	0.00

1st DM 07/01/19
2nd MP 07/01/19

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS169.D
Acq On : 27 Jun 2019 8:16 pm
Operator : J.Misiurewicz
Sample : ICV
Misc : Initial Calibration 8270D/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 28 11:04:17 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 10:37:35 2019
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
102	TM	Hexachlorobenzene	80.000	82.302	-2.9	106	0.00
103	TM	Dimethoate	80.000	0.000	100.0#	0	-8.68#
104	TM	Atrazine	80.000	96.255	-20.3#	117	0.00
105	TCM	Pentachlorophenol	80.000	93.989	-17.5	108	0.00
106	TM	4-Aminobiphenyl	80.000	0.000	100.0#	0	-8.84#
107	TM	Pentachloronitrobenzene	80.000	92.621	-15.8	106	0.00
108	TM	Pronamide	80.000	0.000	100.0#	0	-8.89#
109	TM	Dinoseb	80.000	92.504	-15.6	124	0.00
110	TM	Disulfoton	80.000	0.000	100.0#	0	-9.02#
111	TM	Phenanthrene	80.000	86.499	-8.1	108	0.00
112	TM	Anthracene	80.000	85.100	-6.4	104	0.00
113	TM	Carbazole	80.000	0.000	100.0#	0	-9.26#
114	TM	Di-n-butylphthalate	80.000	90.480	-13.1	105	0.00
115	TM	4-Nitroquinonline-1-oxide	80.000	0.000	100.0#	0	-9.81#
116	TCM	Fluoranthene	80.000	88.560	-10.7	107	0.00
117	IR	d12-Chrysene	40.000	40.000	0.0	98	0.00
118	TM	Methyl Parathion	80.000	0.000	100.0#	0	-9.39#
119	TM	Ethyl Parathion	80.000	0.000	100.0#	0	-9.77#
120	TM	Methapyrilene	80.000	0.000	100.0#	0	-9.89#
121	TM	Isodrin	80.000	77.729	2.8	91	0.00
122	TM	Benzidine	80.000	94.397	-18.0	101	0.00
123	TM	Pyrene	80.000	91.799	-14.7	107	0.00
124	S	SURR6,TERPHENYL-D14	80.000	86.090	-7.6	102	0.00
125	TM	Aramite	80.000	0.000	100.0#	0	-10.77#
126	TM	p-(Dimethylamino)azobenzene	80.000	0.000	100.0#	0	-10.88#
127	TM	Chlorobenzilate	80.000	0.000	100.0#	0	-10.93#
128	TM	Butyl benzyl phthalate	80.000	93.440	-16.8	104	0.00
129	TM	3,3-Dimethylbenzidine	80.000	104.047	-30.1#	110	0.00
130	TM	2-Acetylaminofluorene	80.000	0.000	100.0#	0	-11.72#
131	TM	3,3'-Dichlorobenzidine	80.000	98.679	-23.3#	107	0.00
132	TM	Benzo(a)anthracene	80.000	92.090	-15.1	110	0.00
133	TM	Chrysene	80.000	92.283	-15.4	111	0.00
134	TM	bis(2-Ethylhexyl)phthalate	80.000	92.164	-15.2	105	0.00
135	IR	d12-Perylene	40.000	40.000	0.0	97	0.00
136	TCM	Di-n-octyl phthalate	80.000	86.509	-8.1	105	0.00
137	TM	7,12-Dimethylbenz(a)anthrac	80.000	0.000	100.0#	0	-14.31#
138	TM	Benzo(b)Fluoranthene	80.000	91.871	-14.8	103	0.00
139	TM	Benzo(k)fluoranthene	80.000	89.365	-11.7	101	0.00
140	TCM	Benzo(a)pyrene	80.000	91.850	-14.8	99	0.01
141	TM	3-Methylcholanthrene	80.000	0.000	100.0#	0	-15.79#
142	TM	Indeno(1,2,3-cd)Pyrene	80.000	93.748	-17.2	105	0.00
143	TM	Dibenz(a,h)anthracene	80.000	98.966	-23.7#	106	0.00
144	TM	Benzo(g,h,i)perylene	80.000	93.869	-17.3	107	0.01

(#) = Out of Range SPCC's out = 0 CCC's out = 1

1st DM 07/01/19
2nd MP 07/01/19

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS169.D
Acq On : 27 Jun 2019 8:16 pm
Operator : J.Misiurewicz
Sample : ICV
Misc : Initial Calibration 8270D/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 28 11:04:17 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 10:37:35 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.688	152	320453	40.00	ppm	0.00
33) d8-Naphthalene	5.854	136	1235653	40.00	ppm	0.00
57) d10-Acenaphthene	7.555	164	626369	40.00	ppm	0.00
91) d10-Phenanthrene	9.021	188	1009794	40.00	ppm	0.00
117) d12-Chrysene	12.246	240	868045	40.00	ppm	0.00
135) d12-Perylene	15.124	264	830837	40.00	ppm	0.00
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.624	112	874478	85.94	ppm	0.00
Spiked Amount 200.000	Range 10 - 70		Recovery = 42.97%			
12) SURR2,PHENOL-D6	4.351	99	1084291	84.69	ppm	0.00
Spiked Amount 200.000	Range 10 - 107		Recovery = 42.34%			
34) SURR4,NITROBENZENE-D5	5.186	82	842008	91.23	ppm	0.00
Spiked Amount 100.000	Range 31 - 110		Recovery = 91.23%			
63) SURR5,2-FLUOROBIPHENYL	6.892	172	1591577	79.00	ppm	0.00
Spiked Amount 100.000	Range 31 - 118		Recovery = 79.00%			
88) SURR3,2,4,6-TRIBROMOPH...	8.331	330	196789	94.66	ppm	0.00
Spiked Amount 200.000	Range 35 - 141		Recovery = 47.33%			
124) SURR6,TERPHENYL-D14	10.695	244	1495027	86.09	ppm	0.00
Spiked Amount 100.000	Range 10 - 165		Recovery = 86.09%			
Target Compounds						Qvalue
6) Methyl Methansulfonate	3.512	80	324122	62.057	ppm	98
8) N-Nitrosodiethylamine	3.811	102	417653	86.393	ppm	99
10) Benzaldehyde	4.325	106	715969	89.185	ppm	99
13) Phenol	4.362	94	1088712	85.283	ppm	99
14) bis(2-Clethyl)Ether	4.458	93	821864	85.528	ppm	96
15) Pentachloroethane	4.453	117	330001	83.145	ppm	98
16) 2-Chlorophenol	4.507	128	920357	87.153	ppm	98
17) 1,3-Diclbenzene	4.640	146	968348	83.858	ppm	100
18) 1,4-Dichlorobenzene	4.704	146	991735	83.960	ppm	99
19) 1,2-Diclbenzene	4.838	146	944359	84.943	ppm	99
20) Benzyl Alcohol	4.801	79	650201	86.992	ppm	97
22) 2,2'-oxybis(1-Chloropr...	4.918	45	998148	85.410	ppm	96
23) 2-Methylphenol	4.886	108	798559	84.693	ppm	99
24) 3+4-Methylphenol	5.036	108	861221	90.325	ppm	81
30) Hexachloroethane	5.138	117	392959	85.629	ppm	98
35) Nitrobenzene	5.202	77	786981	86.841	ppm	99
37) Isophorone	5.427	82	1464307	80.385	ppm	97
38) 2-Nitrophenol	5.491	139	459624	94.540	ppm	96
39) Benzoic Acid	5.640	105	517724	89.459	ppm	99
40) 2,4-Dimethylphenol	5.528	107	811485	85.048	ppm	98
41) bis(-2-Chloroethoxy)Me...	5.619	93	1021022	84.256	ppm	98
42) 2,4-Dichlorophenol	5.715	162	680950	86.759	ppm	97
44) 1,2,4-Trichlorobenzene	5.796	180	765094	85.627	ppm	99
45) Naphthalene	5.876	128	2511155	84.313	ppm	99
46) 4-Chloroaniline	5.929	127	1092177	81.759	ppm	99
47) 2,6-Dichlorophenol	5.929	162	714933	91.078	ppm	95
48) Hexachlorobutadiene	5.983	225	370992	88.237	ppm	98
49) Hexachloropropene	5.951	213	414850	90.288	ppm	100
50) 4-Chloro-3-methylphenol	6.384	107	660990	88.447	ppm	99
54) Safrole	6.453	162	608890	81.376	ppm	98
55) 2-Methylnaphthalene	6.539	142	1670778	83.576	ppm	100
56) 1-Methylnaphthalene	6.635	142	1603301	86.246	ppm	99
58) Hexachlorocyclopentadiene	6.683	237	393666	84.208	ppm	100

1st DM 07/01/19
2nd MP 07/01/19

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS169.D
Acq On : 27 Jun 2019 8:16 pm
Operator : J.Misiurewicz
Sample : ICV
Misc : Initial Calibration 8270D/625
ALS Vial : 13 Sample Multiplier: 1

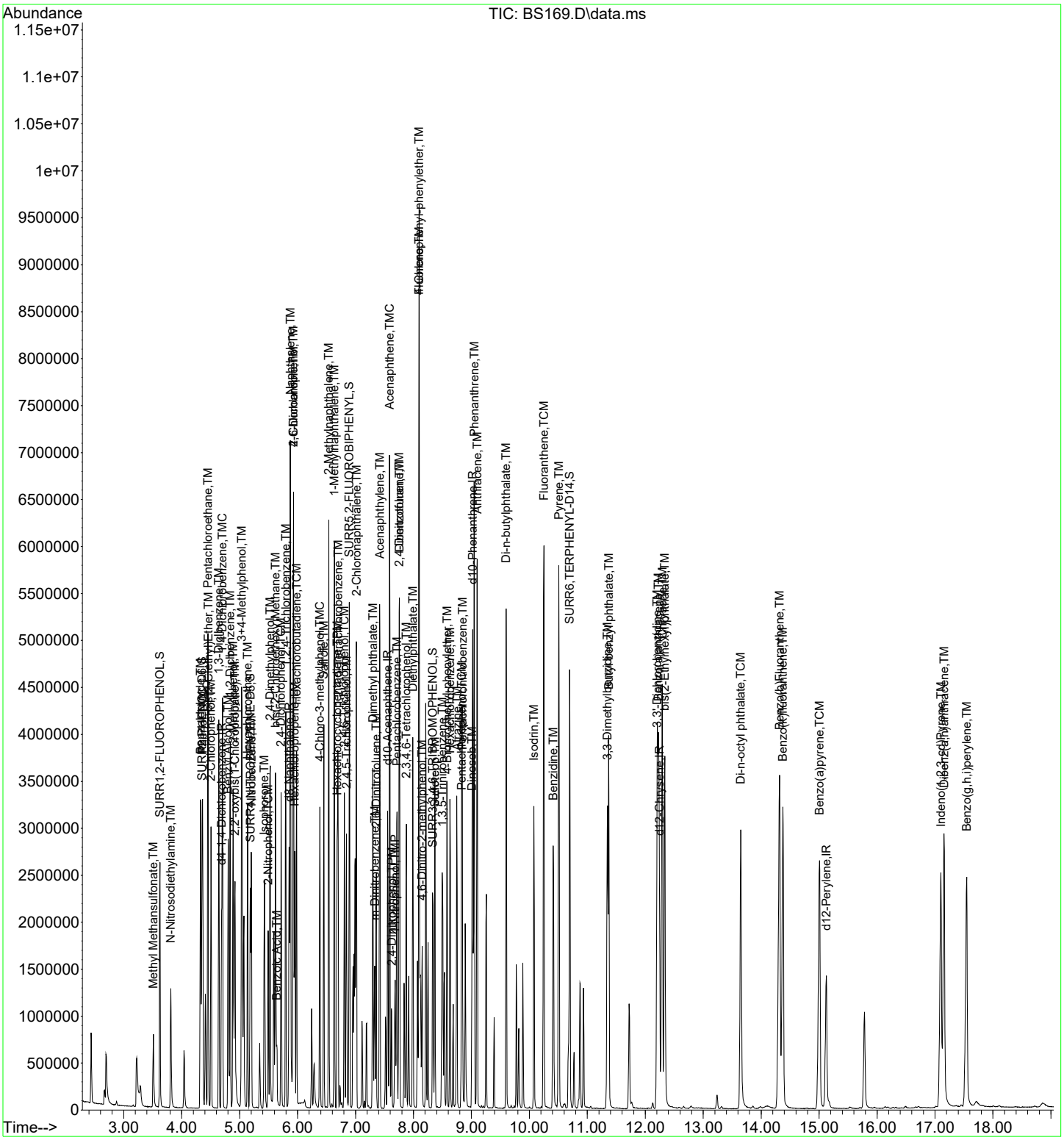
Quant Time: Jun 28 11:04:17 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 10:37:35 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
59) 1,2,4,5-Tetrachloroben...	6.699	216	641250	79.846	ppm		99
61) 2,4,6-Trichlorophenol	6.806	196	440217	91.718	ppm		97
62) 2,4,5-Trichlorophenol	6.844	196	490003	97.024	ppm		99
66) 2-Chloronaphthalene	7.015	162	1489458	73.050	ppm		99
69) m-Dinitrobenzene	7.331	168	245972	83.397	ppm		94
70) Acenaphthylene	7.416	152	2424127	87.979	ppm		99
71) Dimethyl phthalate	7.299	163	1501004	82.540	ppm		99
72) 2,6-Dinitrotoluene	7.357	165	354050	82.780	ppm		83
73) Acenaphthene	7.587	153	1577823	87.243	ppm		99
75) 2,4-Dinitrophenol	7.625	184	185774	93.563	ppm		94
76) Dibenzofuran	7.759	168	1891793	80.322	ppm		100
77) 2,4-Dinitrotoluene	7.753	165	477156	85.480	ppm		96
78) 4-Nitrophenol	7.684	65	270919	91.926	ppm	#	76
79) Pentachlorobenzene	7.716	250	501685	79.920	ppm		99
82) 2,3,4,6-Tetrachlorophenol	7.876	232	357249	87.269	ppm		96
83) Fluorene	8.095	166	1596986	86.245	ppm		98
84) 4-Chlorophenyl-phenyle...	8.095	204	665389	81.941	ppm		97
85) Diethylphthalate	7.989	149	1575714	88.207	ppm		99
89) Sulfotepp	8.374	322	166649	87.917	ppm		96
93) 4,6-Dinitro-2-methylph...	8.149	198	265519	94.598	ppm		99
97) 1,3,5-Trinirobenzene	8.497	213	135609	85.083	ppm	#	49
101) 4-Bromophenyl-phenylether	8.582	248	383075	81.934	ppm		93
102) Hexachlorobenzene	8.630	284	413664	82.302	ppm		96
104) Atrazine	8.748	215	198510	96.255	ppm		97
105) Pentachlorophenol	8.828	266	268742	93.989	ppm		100
107) Pentachloronitrobenzene	8.844	237	154640	92.621	ppm		94
109) Dinoseb	9.010	211	335644	92.504	ppm		97
111) Phenanthrene	9.048	178	2324896	86.499	ppm		100
112) Anthracene	9.101	178	2321628	85.100	ppm		99
114) Di-n-butylphthalate	9.598	149	2814273	90.480	ppm		99
116) Fluoranthene	10.251	202	2450509	88.560	ppm		99
121) Isodrin	10.080	193	240924	77.729	ppm		96
122) Benzidine	10.411	184	1434303	94.397	ppm		100
123) Pyrene	10.508	202	2537392	91.799	ppm		99
128) Butyl benzyl phthalate	11.369	149	1253574	93.440	ppm		98
129) 3,3-Dimethylbenzidine	11.347	212	1390269	104.047	ppm		99
131) 3,3'-Dichlorobenzidine	12.203	252	818530	98.679	ppm		98
132) Benzo(a)anthracene	12.225	228	2226989	92.090	ppm		99
133) Chrysene	12.294	228	2182531	92.283	ppm		100
134) bis(2-Ethylhexyl)phtha...	12.337	149	1759975	92.164	ppm		99
136) Di-n-octyl phthalate	13.647	149	2952491	86.509	ppm		100
138) Benzo(b)Fluoranthene	14.316	252	2104831	91.871	ppm		99
139) Benzo(k)fluoranthene	14.375	252	2007896	89.365	ppm		98
140) Benzo(a)pyrene	15.006	252	1900464	91.850	ppm		99
142) Indeno(1,2,3-cd)Pyrene	17.103	276	1580898	93.748	ppm		99
143) Dibenz(a,h)anthracene	17.156	278	1772079	98.966	ppm		98
144) Benzo(g,h,i)perylene	17.547	276	1651208	93.869	ppm		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS169.D
Acq On : 27 Jun 2019 8:16 pm
Operator : J.Misiurewicz
Sample : ICV
Misc : Initial Calibration 8270D/625
ALS Vial : 13 Sample Multiplier: 1

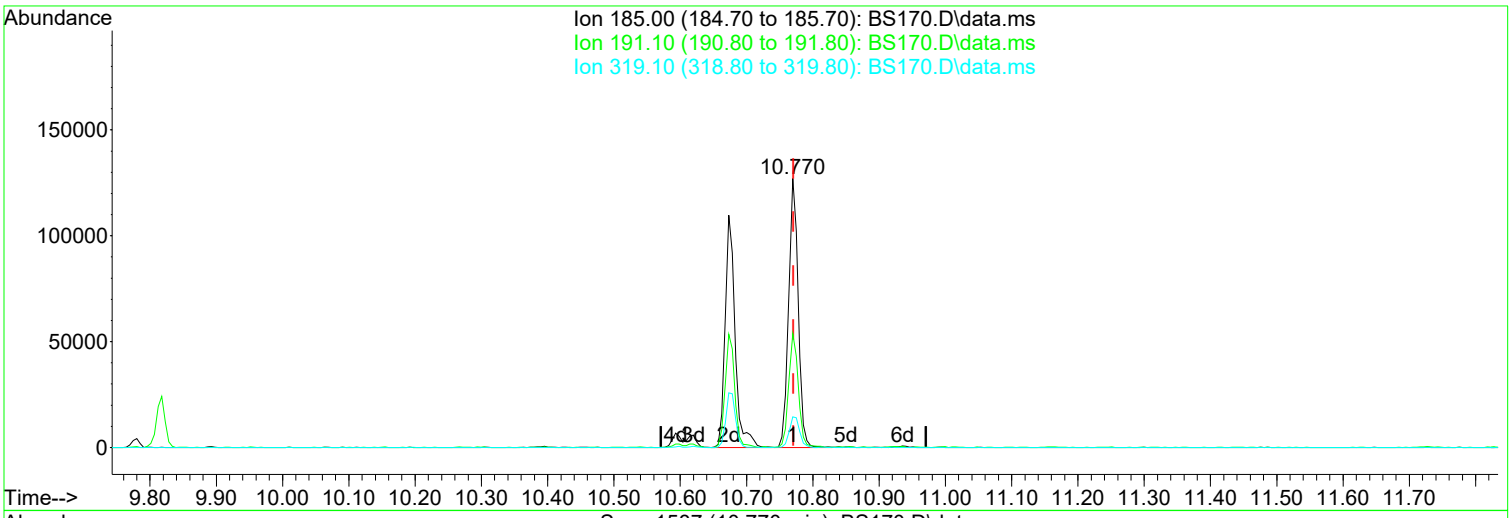
Quant Time: Jun 28 11:04:17 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 10:37:35 2019
Response via : Initial Calibration

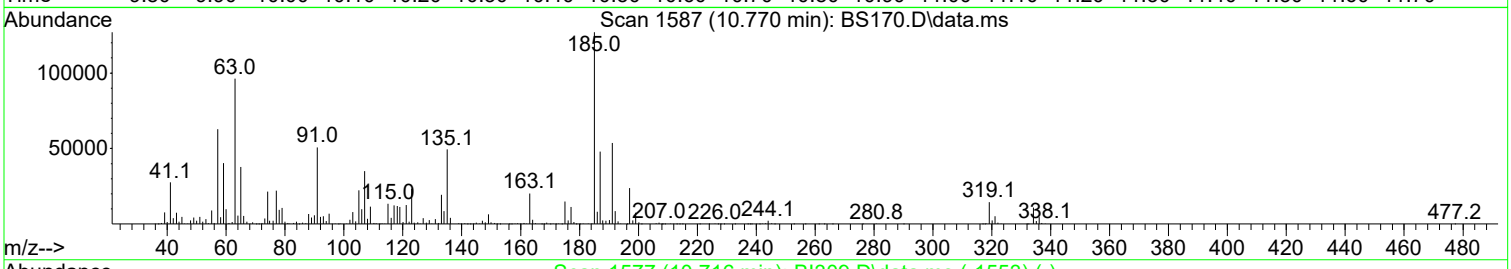


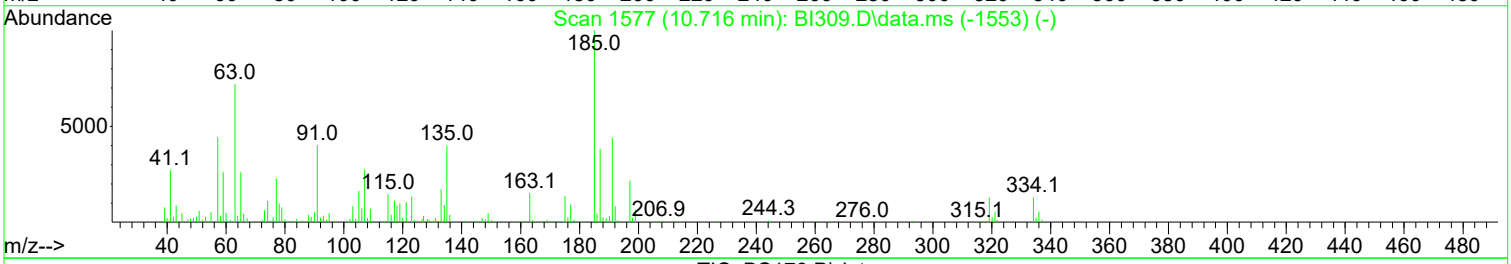
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS170.D
Acq On : 27 Jun 2019 8:44 pm
Operator : J.Misiurewicz
Sample : ICV #2
Misc : Initial Calibration 8270D/625
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 28 11:09:48 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 10:37:35 2019
Response via : Initial Calibration







TIC: BS170.D\data.ms

(125) Aramite (TM)

10.770min (-0.001) 90.36 ppm m

response 243067

Ion	Exp%	Act%
185.00	100.00	100.00
191.10	40.80	42.32
319.10	11.90	11.39
0.00	0.00	0.00

Manual Integration:

After

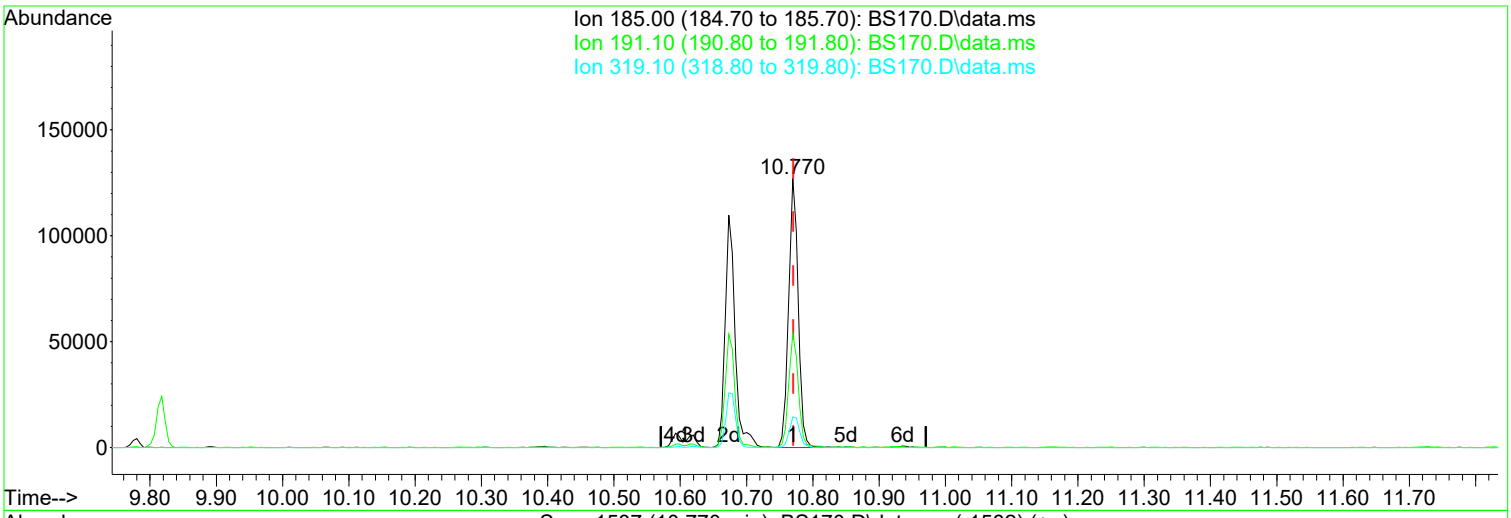
Split Peak.

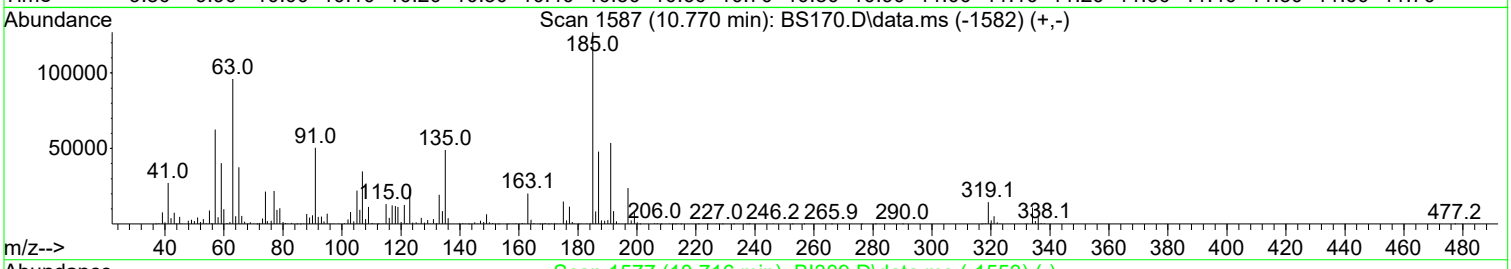
06/28/19

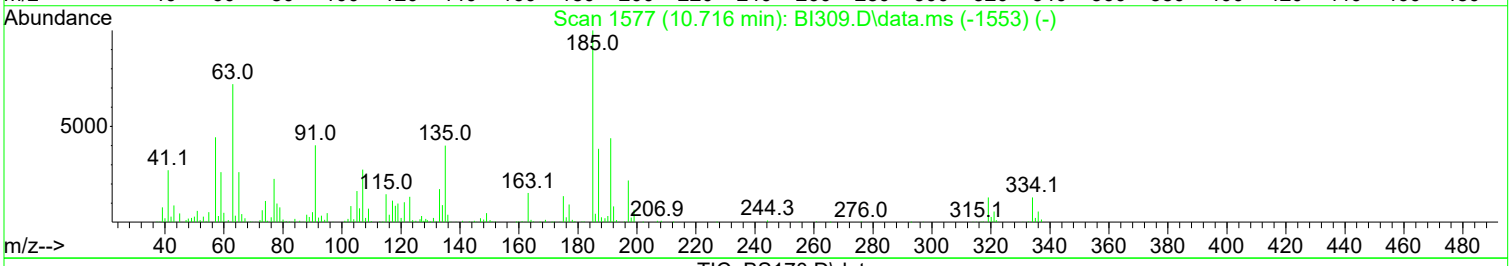
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS170.D
Acq On : 27 Jun 2019 8:44 pm
Operator : J.Misiurewicz
Sample : ICV #2
Misc : Initial Calibration 8270D/625
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 28 11:09:48 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 10:37:35 2019
Response via : Initial Calibration







TIC: BS170.D\data.ms

(125) Aramite (TM)

10.770min (-0.001) 47.33 ppm

response 127304

Ion	Exp%	Act%
185.00	100.00	100.00
191.10	40.80	42.19
319.10	11.90	11.36
0.00	0.00	0.00

Manual Integration:

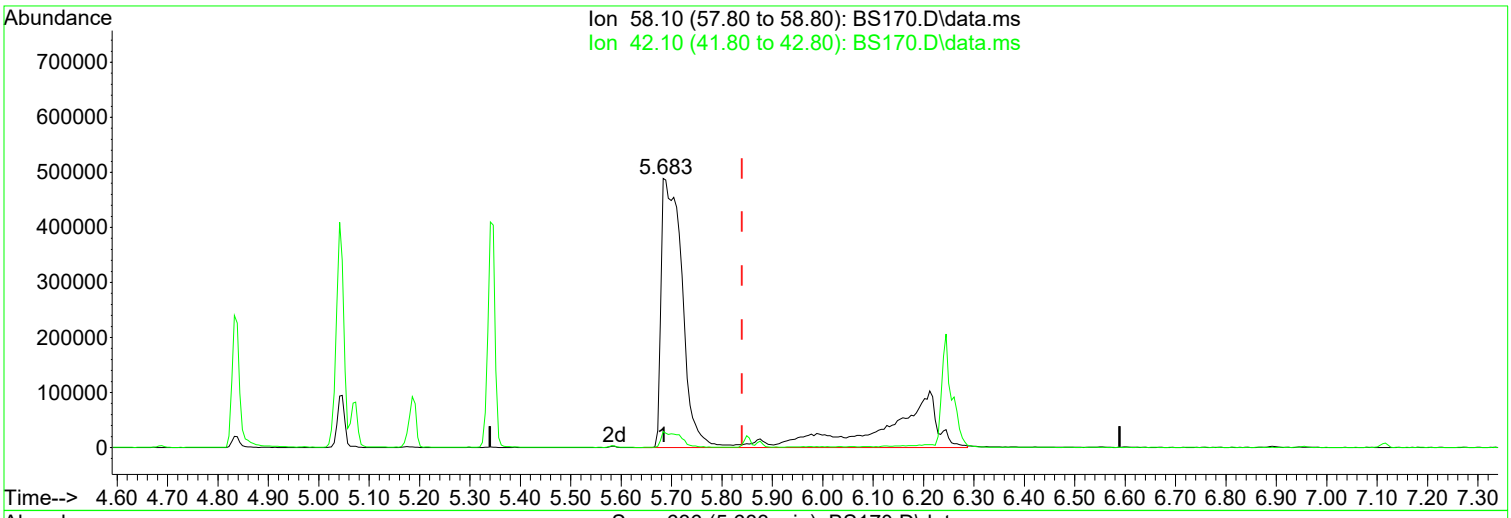
Before

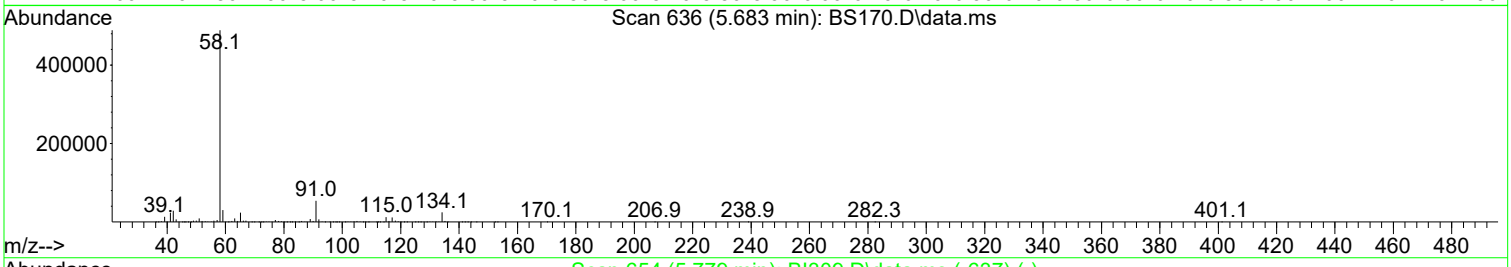
06/28/19

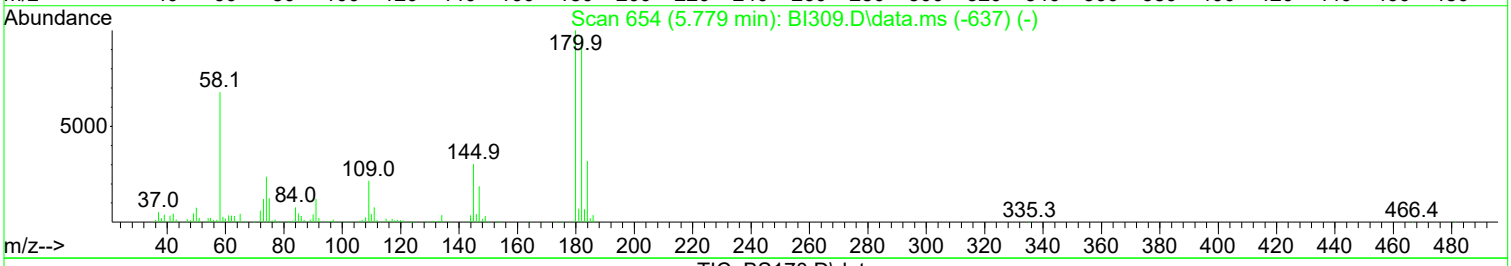
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS170.D
Acq On : 27 Jun 2019 8:44 pm
Operator : J.Misiurewicz
Sample : ICV #2
Misc : Initial Calibration 8270D/625
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 28 11:09:48 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 10:37:35 2019
Response via : Initial Calibration







TIC: BS170.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.683min (-0.157) 108.28 ppm m

response 2145728

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	5.50	5.90
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

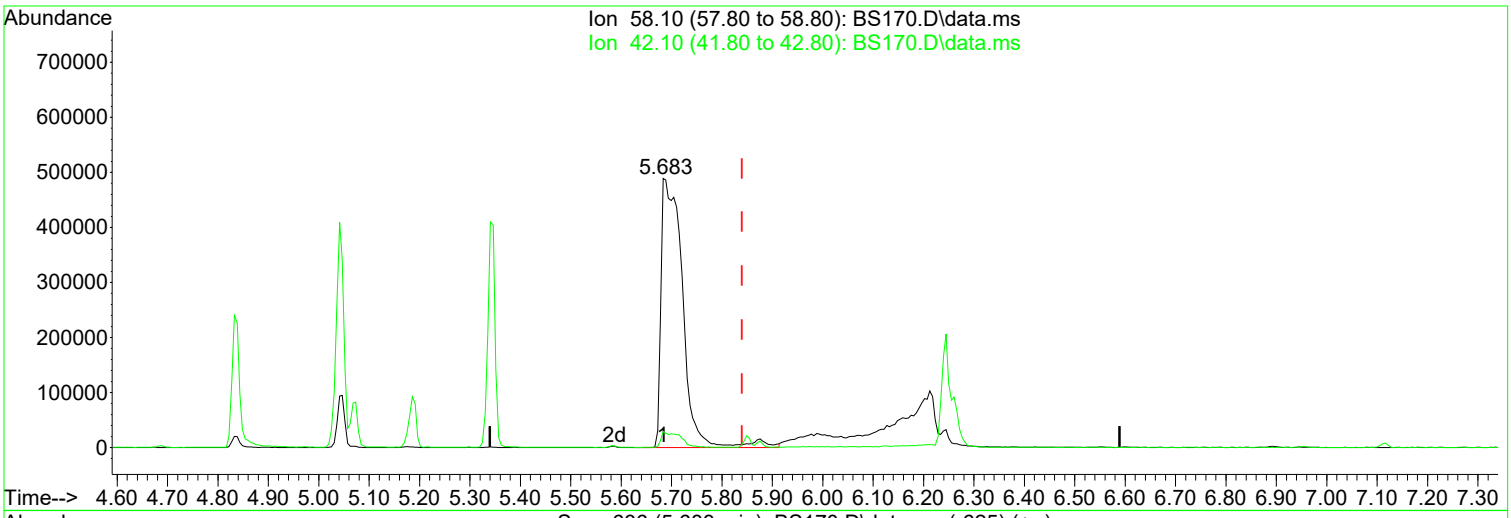
Poor integration.

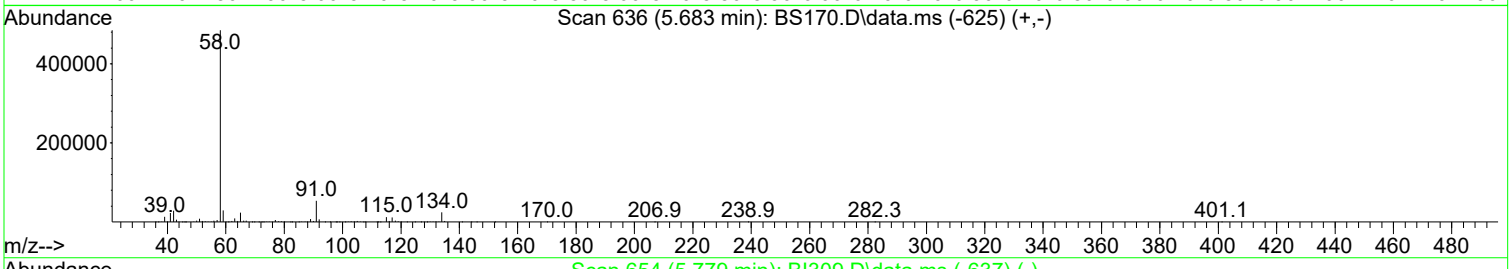
06/28/19

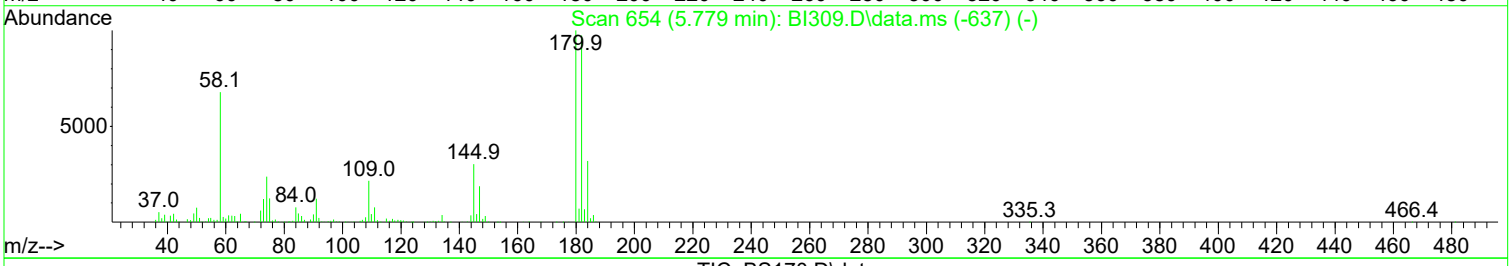
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS170.D
Acq On : 27 Jun 2019 8:44 pm
Operator : J.Misiurewicz
Sample : ICV #2
Misc : Initial Calibration 8270D/625
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 28 11:09:48 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 10:37:35 2019
Response via : Initial Calibration







TIC: BS170.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

5.683min (-0.157) 73.12 ppm

response 1449085

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	5.50	5.84
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

06/28/19

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS170.D
Acq On : 27 Jun 2019 8:44 pm
Operator : J.Misiurewicz
Sample : ICV #2
Misc : Initial Calibration 8270D/625
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 28 11:09:48 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 10:37:35 2019
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	IR	d4-1,4-Dichlorobenzene	40.000	40.000	0.0	97	0.00
2	TM	Pyridine	80.000	92.966	-16.2	105	0.00
3	TM	N-Nitrosodimethylamine	80.000	81.057	-1.3	97	0.00
4	TM	2-Picoline	80.000	82.418	-3.0	97	0.00
5	TM	N-Nitrosomethylamine	80.000	87.364	-9.2	101	0.00
6	TM	Methyl Methansulfonate	80.000	0.000	100.0#	0	-3.51#
7	S	SURR1,2-FLUOROPHENOL	80.000	0.000	100.0#	0	-3.62#
8	TM	N-Nitrosodiethylamine	80.000	0.000	100.0#	0	-3.81#
9	TM	Ethyl Mathanesulfonate	80.000	83.299	-4.1	100	0.00
10	TM	Benzaldehyde	80.000	0.000	100.0#	0	-4.33#
11	TM	Aniline	80.000	83.385	-4.2	100	0.00
12	S	SURR2,PHENOL-D6	80.000	0.000	100.0#	0	-4.35#
13	TMC	Phenol	80.000	0.000	100.0#	0	-4.36#
14	TM	bis(2-Clethyl)Ether	80.000	0.000	100.0#	0	-4.46#
15	TM	Pentachloroethane	80.000	0.000	100.0#	0	-4.45#
16	TM	2-Chlorophenol	80.000	0.000	100.0#	0	-4.50#
17	TM	1,3-Diclbenzene	80.000	0.000	100.0#	0	-4.64#
18	TMC	1,4-Dichlorobenzene	80.000	0.000	100.0#	0	-4.70#
19	TM	1,2-Diclbenzene	80.000	0.000	100.0#	0	-4.84#
20	TM	Benzyl Alcohol	80.000	0.000	100.0#	0	-4.80#
21	T	1-Methyl-2-pyrrolidinone	80.000	94.754	-18.4	109	-0.03
22	TM	2,2'-oxybis(1-Chloropropane	80.000	0.000	100.0#	0	-4.92#
23	TM	2-Methylphenol	80.000	0.000	100.0#	0	-4.89#
24	TM	3+4-Methylphenol	80.000	0.000	100.0#	0	-5.03#
25	TM	Acetophenone	80.000	81.509	-1.9	100	0.00
26	TMP	N-Nitroso-Di-n-propylamine	80.000	90.967	-13.7	111	0.00
27	TM	N-Nitrosopyrrolidine	80.000	93.580	-17.0	109	0.00
28	TM	N-Nitrosomorpholine	80.000	89.163	-11.5	108	0.00
29	TM	o-Toluidine	80.000	77.251	3.4	93	0.00
30	TM	Hexachloroethane	80.000	0.000	100.0#	0	-5.14#
31	TM	o,o,o-Triethylphosphorothio	80.000	100.349	-25.4#	117	0.00
32	TM	Alpha-terpinol	80.000	0.000	100.0#	0	-5.88#
33	IR	d8-Naphthalene	40.000	40.000	0.0	96	0.00
34	S	SURR4,NITROBENZENE-D5	80.000	0.000	100.0#	0	-5.18#
35	TM	Nitrobenzene	80.000	0.000	100.0#	0	-5.20#
36	TM	N-Nitrosopiperidine	80.000	91.592	-14.5	109	0.00
37	TM	Isophorone	80.000	0.000	100.0#	0	-5.42#
38	TCM	2-Nitrophenol	80.000	0.000	100.0#	0	-5.49#
39	TM	Benzoic Acid	80.000	0.000	100.0#	0	-5.61#
40	TM	2,4-Dimethylphenol	80.000	0.000	100.0#	0	-5.52#
41	TM	bis(-2-Chloroethoxy)Methane	80.000	0.000	100.0#	0	-5.62#
42	TCM	2,4-Dichlorophenol	80.000	0.000	100.0#	0	-5.71#
43	TM	a,a-Dimethylphenethylamine	80.000	108.278	-35.3#	117	-0.16
44	TM	1,2,4-Trichlorobenzene	80.000	0.000	100.0#	0	-5.79#
45	TM	Naphthalene	80.000	0.000	100.0#	0	-5.87#
46	TM	4-Chloroaniline	80.000	0.000	100.0#	0	-5.93#
47	TM	2,6-Dichlorophenol	80.000	0.000	100.0#	0	-5.93#
48	TCM	Hexachlorobutadiene	80.000	0.000	100.0#	0	-5.98#
49	TM	Hexachloropropene	80.000	0.000	100.0#	0	-5.95#
50	TMC	4-Chloro-3-methylphenol	80.000	0.000	100.0#	0	-6.38#
51	TM	N-N-di-n-butylamine	80.000	109.988	-37.5#	138	0.00

1st DM 07/01/19
2nd MP 07/01/19

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS170.D
Acq On : 27 Jun 2019 8:44 pm
Operator : J.Misiurewicz
Sample : ICV #2
Misc : Initial Calibration 8270D/625
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 28 11:09:48 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 10:37:35 2019
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
52	TM	Caprolactam	80.000	96.834	-21.0#	111	-0.01
53	TM	p-Phenylenediamine	80.000	0.000	100.0#	0	-6.28#
54	TM	Safrole	80.000	0.000	100.0#	0	-6.45#
55	TM	2-Methylnaphthalene	80.000	0.000	100.0#	0	-6.54#
56	TM	1-Methylnaphthalene	80.000	0.000	100.0#	0	-6.63#
57	IR	d10-Acenaphthene	40.000	40.000	0.0	97	0.00
58	TPM	Hexachlorocyclopentadiene	80.000	0.000	100.0#	0	-6.68#
59	TM	1,2,4,5-Tetrachlorobenzene	80.000	0.000	100.0#	0	-6.70#
60	TM	1,2,3,4-Tetrachlorobenzene	80.000	86.068	-7.6	105	0.00
61	TCM	2,4,6-Trichlorophenol	80.000	0.000	100.0#	0	-6.81#
62	TM	2,4,5-Trichlorophenol	80.000	0.000	100.0#	0	-6.84#
63	S	SURR5,2-FLUOROBIPHENYL	80.000	0.000	100.0#	0	-6.89#
64	TM	Isosafrole	80.000	83.389	-4.2	99	0.00
65	TM	1,1'-Biphenyl	80.000	88.159	-10.2	106	0.00
66	TM	2-Chloronaphthalene	80.000	0.000	100.0#	0	-7.01#
67	TM	2-Nitroaniline	80.000	81.680	-2.1	94	0.00
68	TM	1,4-Naphthoquinone	80.000	94.912	-18.6	117	0.00
69	TM	m-Dinitrobenzene	80.000	0.000	100.0#	0	-7.33#
70	TM	Acenaphthylene	80.000	0.000	100.0#	0	-7.42#
71	TM	Dimethyl phthalate	80.000	0.000	100.0#	0	-7.30#
72	TM	2,6-Dinitrotoluene	80.000	0.000	100.0#	0	-7.35#
73	TMC	Acenaphthene	80.000	0.000	100.0#	0	-7.59#
74	TM	3-Nitroaniline	80.000	86.422	-8.0	105	0.00
75	TPM	2,4-Dinitrophenol	80.000	0.000	100.0#	0	-7.62#
76	TM	Dibenzofuran	80.000	0.000	100.0#	0	-7.76#
77	TM	2,4-Dinitrotoluene	80.000	0.000	100.0#	0	-7.75#
78	TMP	4-Nitrophenol	80.000	0.000	100.0#	0	-7.68#
79	TM	Pentachlorobenzene	80.000	0.000	100.0#	0	-7.71#
80	TM	1-Napthylamine	80.000	57.261	28.4#	67	0.00
81	TM	2-Napthylamine	80.000	61.301	23.4#	70	0.00
82	TM	2,3,4,6-Tetrachlorophenol	80.000	0.000	100.0#	0	-7.88#
83	TM	Fluorene	80.000	0.000	100.0#	0	-8.09#
84	TM	4-Chlorophenyl-phenylether	80.000	0.000	100.0#	0	-8.09#
85	TM	Diethylphthalate	80.000	0.000	100.0#	0	-7.99#
86	TM	4-Nitroaniline	80.000	84.443	-5.6	97	0.00
87	TM	5-Nitro-o-toluidine	80.000	82.385	-3.0	97	0.00
88	S	SURR3,2,4,6-TRIBROMOPHENOL	80.000	0.000	100.0#	0	-8.33#
89	TM	Sulfotepp	80.000	0.000	100.0#	0	-8.37#
90	TM	Octachlorocyclopentene	80.000	96.165	-20.2#	105	0.00
91	IR	d10-Phenanthrene	40.000	40.000	0.0	93	0.00
92	TM	Thionazin	80.000	101.819	-27.3#	109	0.00
93	TM	4,6-Dinitro-2-methylphenol	80.000	0.000	100.0#	0	-8.15#
94	TM	Diphenylamine 160	~~80.000~~	151.263	-5.5 ~~-89.1#~~	177	0.00
95	TM	1,2 Diphenylhydrazine	80.000	85.253	-6.6	107	0.00
96	TCM	N-Nitrosodiphenylamine 160	~~80.000~~	151.247	-5.5 ~~-89.1#~~	177	0.00
97	TM	1,3,5-Trinirobenzene	80.000	0.000	100.0#	0	-8.48#
98	TM	Diallate	80.000	103.641	-29.6#	118	0.00
99	TM	Phorate	80.000	108.096	-35.1#	113	0.00
100	TM	Phenacetin	80.000	97.272	-21.6#	103	0.00
101	TM	4-Bromophenyl-phenylether	80.000	0.000	100.0#	0	-8.58#

1st DM 07/01/19
2nd MP 07/01/19

Data Path : I:\ACQUDATA\5973D\Data\062719\
Data File : BS170.D
Acq On : 27 Jun 2019 8:44 pm
Operator : J.Misiurewicz
Sample : ICV #2
Misc : Initial Calibration 8270D/625
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 28 11:09:48 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270062719D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Fri Jun 28 10:37:35 2019
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
102	TM	Hexachlorobenzene	80.000	0.000	100.0#	0	-8.63#
103	TM	Dimethoate	80.000	89.100	-11.4	92	0.00
104	TM	Atrazine	80.000	0.000	100.0#	0	-8.75#
105	TCM	Pentachlorophenol	80.000	0.000	100.0#	0	-8.83#
106	TM	4-Aminobiphenyl	80.000	63.437	20.7#	69	0.00
107	TM	Pentachloronitrobenzene	80.000	0.000	100.0#	0	-8.84#
108	TM	Pronamide	80.000	97.145	-21.4#	106	0.00
109	TM	Dinoseb	80.000	0.000	100.0#	0	-9.01#
110	TM	Disulfoton	80.000	94.583	-18.2	113	0.00
111	TM	Phenanthrene	80.000	0.000	100.0#	0	-9.05#
112	TM	Anthracene	80.000	0.000	100.0#	0	-9.10#
113	TM	Carbazole	80.000	85.252	-6.6	98	0.00
114	TM	Di-n-butylphthalate	80.000	0.000	100.0#	0	-9.60#
115	TM	4-Nitroquinonline-1-oxide	80.000	87.420	-9.3	94	0.00
116	TCM	Fluoranthene	80.000	0.000	100.0#	0	-10.25#
117	IR	d12-Chrysene	40.000	40.000	0.0	87	-0.01
118	TM	Methyl Parathion	80.000	87.053	-8.8	86	0.00
119	TM	Ethyl Parathion	80.000	113.396	-41.7#	115	0.00
120	TM	Methapyrilene	80.000	0.000	100.0#	0	-9.89#
121	TM	Isodrin	80.000	0.000	100.0#	0	-10.08#
122	TM	Benzidine	80.000	0.000	100.0#	0	-10.41#
123	TM	Pyrene	80.000	0.000	100.0#	0	-10.50#
124	S	SURR6,TERPHENYL-D14	80.000	0.000	100.0#	0	-10.69#
125	TM	Aramite	80.000	90.364	-13.0	90	0.00
126	TM	p-(Dimethylamino)azobenzene	80.000	85.108	-6.4	86	0.00
127	TM	Chlorobenzilate	80.000	92.996	-16.2	95	0.00
128	TM	Butyl benzyl phthalate	80.000	0.000	100.0#	0	-11.37#
129	TM	3,3-Dimethylbenzidine	80.000	0.000	100.0#	0	-11.34#
130	TM	2-Acetylaminofluorene	80.000	95.308	-19.1	105	0.00
131	TM	3,3'-Dichlorobenzidine	80.000	0.000	100.0#	0	-12.20#
132	TM	Benzo(a)anthracene	80.000	0.000	100.0#	0	-12.22#
133	TM	Chrysene	80.000	0.000	100.0#	0	-12.29#
134	TM	bis(2-Ethylhexyl)phthalate	80.000	0.000	100.0#	0	-12.34#
135	IR	d12-Perylene	40.000	40.000	0.0	84	0.00
136	TCM	Di-n-octyl phthalate	80.000	0.000	100.0#	0	-13.65#
137	TM	7,12-Dimethylbenz(a)anthrac	80.000	95.125	-18.9	92	0.00
138	TM	Benzo(b)Fluoranthene	80.000	0.000	100.0#	0	-14.31#
139	TM	Benzo(k)fluoranthene	80.000	0.000	100.0#	0	-14.37#
140	TCM	Benzo(a)pyrene	80.000	0.000	100.0#	0	-14.99#
141	TM	3-Methylcholanthrene	80.000	86.192	-7.7	87	0.00
142	TM	Indeno(1,2,3-cd)Pyrene	80.000	0.000	100.0#	0	-17.09#
143	TM	Dibenz(a,h)anthracene	80.000	0.000	100.0#	0	-17.15#
144	TM	Benzo(g,h,i)perylene	80.000	0.000	100.0#	0	-17.53#

(#) = Out of Range SPCC's out = 0 CCC's out = 13

ALS Group USA, Corp.

DBA ALS Environmetal

QC/QC Report

Date Analyzed: 6/27/19 8:46

ICAL Tune Summary

Semi Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5973D\DATA\062719\BS1S8.D Analytical Method: 8270D

Instrument ID: R-MS-54

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Results Pass/Fail
51	198	10	80	32.7	58080	PASS
68	69	0	2	1.4	1083	PASS
69	198	0	100	44.8	79633	PASS
70	69	0	2	0.7	525	PASS
127	198	10	80	53.9	95875	PASS
197	198	0	2	0.2	423	PASS
198	198	100	100	100.0	177867	PASS
199	198	5	9	6.8	12153	PASS
275	198	10	60	19.5	34635	PASS
365	198	1	100	1.9	3436	PASS
441	442	0.01	24	18.5	19749	PASS
442	442	100	100	100.0	106739	PASS
443	442	15	24	18.9	20184	PASS

Sample Name	Lab Code	File ID:	Date Analyzes:	Q
BLK	BLK	I:\ACQUDATA\5973D\DATA\062719\BS1S9.D	6/27/19 15:34	
1 ppm STD	1 ppm STD	I:\ACQUDATA\5973D\DATA\062719\BS160.D	6/27/19 16:01	
2.5 ppm STD	2.5 ppm STD	I:\ACQUDATA\5973D\Data\062719\BS161.D	6/27/19 16:29	
5.0 ppm STD	5.0 ppm STD	I:\ACQUDATA\5973D\Data\062719\BS162.D	6/27/19 16:57	
10 ppm STD	10 ppm STD	I:\ACQUDATA\5973D\DATA\062719\BS163.D	6/27/19 17:26	
50 ppm STD	50 ppm STD	I:\ACQUDATA\5973D\DATA\062719\BS164.D	6/27/19 17:54	
80 ppm STD	80 ppm STD	I:\ACQUDATA\5973D\Data\062719\BS165.D	6/27/19 18:22	
100 ppm STD	100 ppm STD	I:\ACQUDATA\5973D\DATA\062719\B5166.D	6/27/19 18:51	
120 ppm STD	120 ppm STD	I:\ACQUDATA\5973D\Data\062719\B5167.D	6/27/19 19:19	
160 ppm STD	160 ppm STD	I:\ACQUDATA\5973D\DATA\062719\BS168.D	6/27/19 19:47	
ICV	ICV	I:\ACQUDATA\5973D\DATA\062719\BS169.D	6/27/19 20:16	
ICV #2	ICV #2	I:\ACQUDATA\5973D\Data\062719\BS170.D	6/27/19 20:44	

Analysis: 8270/625	**Analyst:** DMS/Jorenica	**Run Method:** 8270D/Tune	
Date: 6/27/19	**Instr.** 5973D R-MS-54	**Quant Method:** 8270627ltD.M	
Syringes:		**LIMS Run#:**	

Pos.	Sample	Diln.	Stds. ID	File#	OK?	Comments
1	Blk			B5156	—	
1	Blk			57		
2	Tune			58	YT	
3	Blk			59	Y	
4	1 ppm STD		200672	60	(N)	Not used
5	2.5		73	61	Y	
6	5.0		74	62	Y	
7	10		75	63	Y	
8	20		76	64	Y	
9	50		77	65	Y	
10	100		78	66	Y	
11	120		79	67	Y	
12	160		80	68	Y	
13	ICV		200683	69	YQ	
14	ICV #2		81	70	YQ	
~~15~~	CCV			71		
16	RQ1906266-01	Blk	339206 (8270)	73 ~~72~~	(N)	
17	-02	LCS		74 73		
18	-03	LCSD		75 74		
19	R1905360-003 RE			76 75		
20	-004 RE	10		77 76		
21	R1905642-005			78 77		
22	-007			79 78		
23	-009			80 79		
24	-0011			81 80		
25	R1905676-001			82 81		
26	-002			83 82		
27	R1905768-001			84 83		
28	-003			85 84		
29	-005			86 85		
15	CCV Hexa			87 ~~72~~		

B7206271qD.M
B7206271qBS.M
B7206271qLCS.M
R1906266

DMS 6/27/19

All samples = _____mL + _____uL Combined IS/Surr.;

Primary :_____ exp: Secondary :_____ exp:

Primary:_____ exp: Secondary :_____ exp:

Reagents:

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility **Calibration Date:** 7/2/2019

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900071 **Signal ID:** 1
Instrument ID: R-MS-51

#	Lab Code	Sample Name	File Location	Acquisition Date
01	RC1900071-01	1 ppm STD	I:\ACQUDATA\5973A\DATA\070219\DS764.D	07/02/2019 18:05
02	RC1900071-02	2.5 ppm STD	I:\ACQUDATA\5973A\DATA\070219\DS765.D	07/02/2019 18:34
03	RC1900071-03	5.0 ppm STD	I:\ACQUDATA\5973A\DATA\070219\DS766.D	07/02/2019 19:03
04	RC1900071-04	10 ppm STD	I:\ACQUDATA\5973A\DATA\070219\DS767.D	07/02/2019 19:31
05	RC1900071-05	50 ppm STD	I:\ACQUDATA\5973A\DATA\070219\DS768.D	07/02/2019 20:00
06	RC1900071-06	80 ppm STD	I:\ACQUDATA\5973A\DATA\070219\DS769.D	07/02/2019 20:28
07	RC1900071-07	100 ppm STD	I:\ACQUDATA\5973A\DATA\070219\DS770.D	07/02/2019 20:57
08	RC1900071-08	120 ppm STD	I:\ACQUDATA\5973A\DATA\070219\DS771.D	07/02/2019 21:26
09	RC1900071-09	160 ppm STD	I:\ACQUDATA\5973A\DATA\070219\DS772.D	07/02/2019 21:54

Analyte

2,4,6-Tribromophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.2678	02	2.500	0.2968	03	5.000	0.2804	04	10.000	0.2711
05	50.000	0.2492	06	80.000	0.2577	07	100.000	0.2311	08	120.000	0.2645
09	160.000	0.2888									

2-Fluorophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.552	02	2.500	1.367	03	5.000	1.382	04	10.000	1.379
05	50.000	1.35	06	80.000	1.329	07	100.000	1.367	08	120.000	1.336
09	160.000	1.445									

Phenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.532	02	2.500	1.739	03	5.000	1.783	04	10.000	1.799
05	50.000	1.681	06	80.000	1.688	07	100.000	1.676	08	120.000	1.644
09	160.000	1.716									

Phenol-d6

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.792	02	2.500	1.649	03	5.000	1.696	04	10.000	1.752
05	50.000	1.717	06	80.000	1.674	07	100.000	1.655	08	120.000	1.699
09	160.000	1.714									

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility **Calibration Date:** 7/2/2019

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900071 **Signal ID:** 1
Instrument ID: R-MS-51

		Calibration Evaluation				Calibration Evaluation	
Analyte Name	Compound Type	Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
2,4,6-Tribromophenol	SURR	Average RF	% RSD	7.5	≤20	0.2675	
2-Fluorophenol	SURR	Average RF	% RSD	5.0	≤20	1.39	
Phenol	TRG	Average RF	% RSD	4.7	≤20	1.696	0.800
Phenol-d6	SURR	Average RF	% RSD	2.7	≤20	1.705	

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility **Calibration Date:** 4/30/2019

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900050 **Signal ID:** 1
Instrument ID: R-MS-51

#	Lab Code	Sample Name	File Location	Acquisition Date
01	RC1900050-01	1 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR839.D	04/30/2019 09:40
02	RC1900050-02	2.5 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR840.D	04/30/2019 10:09
03	RC1900050-03	5.0 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR841.D	04/30/2019 10:38
04	RC1900050-04	10 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR842.D	04/30/2019 11:08
05	RC1900050-05	50 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR843.D	04/30/2019 12:00
06	RC1900050-06	80 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR844.D	04/30/2019 12:34
07	RC1900050-07	100 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR845.D	04/30/2019 13:03
08	RC1900050-08	120 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR846.D	04/30/2019 13:33
09	RC1900050-09	160 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR847.D	04/30/2019 14:03

Analyte

2,4,6-Tribromophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.1747	02	2.500	0.1654	03	5.000	0.1551	04	10.000	0.1612
05	50.000	0.172	06	80.000	0.1608	07	100.000	0.1599	08	120.000	0.1637
09	160.000	0.1614									

2-Fluorophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.443	02	2.500	1.427	03	5.000	1.463	04	10.000	1.514
05	50.000	1.504	06	80.000	1.479	07	100.000	1.452	08	120.000	1.397
09	160.000	1.415									

Phenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.851	02	2.500	1.937	03	5.000	1.944	04	10.000	1.991
05	50.000	2.091	06	80.000	1.989	07	100.000	1.943	08	120.000	1.909
09	160.000	1.939									

Phenol-d6

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.6	02	2.500	1.787	03	5.000	1.767	04	10.000	1.795
05	50.000	1.955	06	80.000	1.837	07	100.000	1.811	08	120.000	1.769
09	160.000	1.765									

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility **Calibration Date:** 4/30/2019

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900050 **Signal ID:** 1
Instrument ID: R-MS-51

		Calibration Evaluation				Calibration Evaluation	
Analyte Name	Compound Type	Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
2,4,6-Tribromophenol	SURR	Average RF	% RSD	3.8	≤20	0.1638	
2-Fluorophenol	SURR	Average RF	% RSD	2.7	≤20	1.455	
Phenol	TRG	Average RF	% RSD	3.4	≤20	1.955	0.800
Phenol-d6	SURR	Average RF	% RSD	5.1	≤20	1.787	

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility **Calibration Date:** 6/27/2019

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900067 **Signal ID:** 1
Instrument ID: R-MS-54

#	Lab Code	Sample Name	File Location	Acquisition Date
02	RC1900067-02	2.5 ppm STD	I:\ACQUDATA\5973D\Data\062719\BS161.D	06/27/2019 16:29
01	RC1900067-01	5.0 ppm STD	I:\ACQUDATA\5973D\Data\062719\BS162.D	06/27/2019 16:57
03	RC1900067-03	10 ppm STD	I:\ACQUDATA\5973D\Data\062719\BS163.D	06/27/2019 17:26
04	RC1900067-04	50 ppm STD	I:\ACQUDATA\5973D\Data\062719\BS164.D	06/27/2019 17:54
05	RC1900067-05	80 ppm STD	I:\ACQUDATA\5973D\Data\062719\BS165.D	06/27/2019 18:22
06	RC1900067-06	100 ppm STD	I:\ACQUDATA\5973D\Data\062719\BS166.D	06/27/2019 18:51
09	RC1900067-09	120 ppm STD	I:\ACQUDATA\5973D\Data\062719\BS167.D	06/27/2019 19:19
07	RC1900067-07	160 ppm STD	I:\ACQUDATA\5973D\Data\062719\BS168.D	06/27/2019 19:47

Analyte

2,4,6-Tribromophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	5.000	0.09663	03	10.000	0.1055	04	50.000	0.1323	05	80.000	0.1448
06	100.000	0.1559	09	120.000	0.1468	07	160.000	0.1472			

2-Fluorophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	2.500	1.083	01	5.000	1.154	03	10.000	1.251	04	50.000	1.298
05	80.000	1.337	06	100.000	1.363	09	120.000	1.343	07	160.000	1.332

Phenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	2.500	1.373	01	5.000	1.512	03	10.000	1.651	04	50.000	1.618
05	80.000	1.634	06	100.000	1.696	09	120.000	1.628	07	160.000	1.636

Phenol-d6

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	2.500	1.375	01	5.000	1.453	03	10.000	1.613	04	50.000	1.624
05	80.000	1.668	06	100.000	1.709	09	120.000	1.668	07	160.000	1.675

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility **Calibration Date:** 6/27/2019

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900067 **Signal ID:** 1
Instrument ID: R-MS-54

		Calibration Evaluation				Calibration Evaluation	
Analyte Name	Compound Type	Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
2,4,6-Tribromophenol	SURR	Average RF	% RSD	17.2	≤20	0.1328	
2-Fluorophenol	SURR	Average RF	% RSD	8.0	≤20	1.27	
Phenol	TRG	Average RF	% RSD	6.5	≤20	1.593	0.800
Phenol-d6	SURR	Average RF	% RSD	7.5	≤20	1.598	

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility **Calibration Date:** 7/2/2019

Initial Calibration Verification Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900071 **Signal ID:** 1
Instrument ID: R-MS-51

#	Lab Code	Sample Name	File Location	Acquisition Date
10	RC1900071-10	ICV	I:\ACQUDATA\5973A\DATA\070219\DS773.D	07/02/2019 22:24

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
Phenol	80.0	74.4	1.696E0	1.576E0	-7.051	±30	Average RF

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
2,4,6-Tribromophenol	80.0	75.9	2.675E-1	2.537E-1	-5.148	±30	Average RF
2-Fluorophenol	80.0	73.0	1.39E0	1.267E0	-8.804	±30	Average RF
Phenol-d6	80.0	76.8	1.705E0	1.637E0	-4.032	±30	Average RF

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility **Calibration Date:** 4/30/2019

Initial Calibration Verification Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900050 **Signal ID:** 1
Instrument ID: R-MS-51

#	Lab Code	Sample Name	File Location	Acquisition Date
10	RC1900050-10	ICV	I:\ACQUDATA\5973A\DATA\043019\DR848.D	04/30/2019 14:39
11	RC1900050-11	ICV #2	I:\ACQUDATA\5973A\DATA\043019\DR849.D	04/30/2019 15:07

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
Phenol	80.0	77.0	1.955E0	1.883E0	-3.690	±30	Average RF

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
2,4,6-Tribromophenol	80.0	77.2	1.638E-1	1.582E-1	-3.438	±30	Average RF
2-Fluorophenol	80.0	77.0	1.455E0	1.399E0	-3.810	±30	Average RF
Phenol-d6	80.0	79.6	1.787E0	1.778E0	-0.501	±30	Average RF

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility **Calibration Date:** 6/27/2019

Initial Calibration Verification Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900067 **Signal ID:** 1
Instrument ID: R-MS-54

#	Lab Code	Sample Name	File Location	Acquisition Date
08	RC1900067-08	ICV	I:\ACQUDATA\5973D\Data\062719\BS169.D	06/27/2019 20:16
10	RC1900067-10	ICV #2	I:\ACQUDATA\5973D\Data\062719\BS170.D	06/27/2019 20:44

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
Phenol	80.0	85.3	1.593E0	1.699E0	6.60	±30	Average RF

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
2,4,6-Tribromophenol	80.0	94.7	1.328E-1	1.571E-1	18.33	±30	Average RF
2-Fluorophenol	80.0	85.9	1.27E0	1.364E0	7.43	±30	Average RF
Phenol-d6	80.0	84.7	1.598E0	1.692E0	5.86	±30	Average RF

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Analyzed:**	06/18/19 14:52

Continuing Calibration Verification (CCV) Summary
Semivolatile Organic Compounds by GC/MS

Analysis Method:	8270D	**Calibration Date:**	4/30/2019
File ID:	I:\ACQUDATA\5973A\DATA\061819\DS478.D\	**Calibration ID:**	RC1900050
Signal ID:	1	**Analysis Lot:**	639907
		Units:	ppm

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Phenol	80.0	75.1	1.9549	1.8343	-6.2	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
2,4,6-Tribromophenol	80.0	100	0.1638	0.2055	25.4*	NA	±20	Average RF
2-Fluorophenol	80.0	81.9	1.4549	1.4901	2.4	NA	±20	Average RF
Phenol-d6	80.0	82.5	1.7875	1.8436	3.1	NA	±20	Average RF

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Analyzed:**	06/19/19 14:46

Continuing Calibration Verification (CCV) Summary
Semivolatile Organic Compounds by GC/MS

Analysis Method:	8270D	**Calibration Date:**	4/30/2019
File ID:	I:\ACQUDATA\5973A\DATA\061919\DS524.D\	**Calibration ID:**	RC1900050
Signal ID:	1	**Analysis Lot:**	640110
		Units:	ppm

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Phenol	80.0	77.9	1.9549	1.9038	-2.6	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
2,4,6-Tribromophenol	80.0	99.3	0.1638	0.2032	24.1*	NA	±20	Average RF
2-Fluorophenol	80.0	77.7	1.4549	1.4125	-2.9	NA	±20	Average RF
Phenol-d6	80.0	81.6	1.7875	1.8237	2.0	NA	±20	Average RF

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Analyzed:**	06/24/19 16:34

Continuing Calibration Verification (CCV) Summary
Semivolatile Organic Compounds by GC/MS

Analysis Method:	8270D	**Calibration Date:**	4/30/2019
File ID:	I:\ACQUDATA\5973A\DATA\062419\DS640.D\	**Calibration ID:**	RC1900050
Signal ID:	1	**Analysis Lot:**	640870
		Units:	ppm

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Phenol	80.0	72.9	1.9549	1.7808	-8.9	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
2,4,6-Tribromophenol	80.0	111	0.1638	0.2277	39.0*	NA	±20	Average RF
2-Fluorophenol	80.0	83.4	1.4549	1.5167	4.2	NA	±20	Average RF
Phenol-d6	80.0	86.5	1.7875	1.9334	8.2	NA	±20	Average RF

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Analyzed:**	06/28/19 23:27

Continuing Calibration Verification (CCV) Summary
Semivolatile Organic Compounds by GC/MS

Analysis Method:	8270D	**Calibration Date:**	6/27/2019
File ID:	I:\ACQUDATA\5973D\Data\062819\BS214.D\	**Calibration ID:**	RC1900067
Signal ID:	1	**Analysis Lot:**	641480
		Units:	ppm

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Phenol	80.0	78.3	1.5935	1.5596	-2.1	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
2,4,6-Tribromophenol	80.0	91.1	0.1328	0.1513	13.9	NA	±20	Average RF
2-Fluorophenol	80.0	80.3	1.2701	1.2753	0.4	NA	±20	Average RF
Phenol-d6	80.0	78.6	1.5982	1.5712	-1.7	NA	±20	Average RF

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Analyzed:**	07/12/19 06:39

Continuing Calibration Verification (CCV) Summary
Semivolatile Organic Compounds by GC/MS

Analysis Method:	8270D	**Calibration Date:**	7/2/2019
File ID:	I:\ACQUDATA\5973A\DATA\071219\DS875.D\	**Calibration ID:**	RC1900071
Signal ID:	1	**Analysis Lot:**	642513
		Units:	ppm

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Phenol	80.0	86.0	1.6955	1.8232	7.5	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
2,4,6-Tribromophenol	80.0	74.5	0.2675	0.2492	-6.9	NA	±20	Average RF
2-Fluorophenol	80.0	83.3	1.3896	1.4475	4.2	NA	±20	Average RF
Phenol-d6	80.0	84.8	1.7054	1.8069	6.0	NA	±20	Average RF

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:**R1905417
Project: Former Borden Facility/08212777

Analysis Run Log
Semivolatile Organic Compounds by GC/MS

Analysis Method: **Analysis Lot:**639907
Instrument ID:R-MS-51

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\5973A\DATA\061819 \DS476.D\	ZZZZZZZ	ZZZZZZZ	6/18/2019	13:32:00	
I:\ACQUDATA\5973A\DATA\061819 \DS478.D\	Continuing Calibration Verification	RQ1906072-02	6/18/2019	14:52:00	
I:\ACQUDATA\5973A\DATA\061819 \DS479.D\	Method Blank	RQ1905921-01	6/18/2019	15:31:00	
I:\ACQUDATA\5973A\DATA\061819 \DS480.D\	Lab Control Sample	RQ1905921-02	6/18/2019	16:00:00	
I:\ACQUDATA\5973A\DATA\061819 \DS481.D\	Duplicate Lab Control Sample	RQ1905921-03	6/18/2019	16:28:00	
I:\ACQUDATA\5973A\DATA\061819 \DS487.D\	OW-35R	R1905417-006	6/18/2019	19:22:00	
I:\ACQUDATA\5973A\DATA\061819 \DS488.D\	Beatty Creek	R1905417-007	6/18/2019	19:51:00	
I:\ACQUDATA\5973A\DATA\061819 \DS489.D\	MW-19	R1905417-008	6/18/2019	20:20:00	
I:\ACQUDATA\5973A\DATA\061819 \DS491.D\	MW-17	R1905417-011	6/18/2019	21:15:00	
I:\ACQUDATA\5973A\DATA\061819 \DS503.D\	ZZZZZZZ	ZZZZZZZ	6/19/2019	02:02:00	

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:**R1905417
Project: Former Borden Facility/08212777

Analysis Run Log
Semivolatile Organic Compounds by GC/MS

Analysis Method: **Analysis Lot:**640110
Instrument ID:R-MS-51

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\5973A\DATA\061919 \DS522.D\	ZZZZZZZ	ZZZZZZZ	6/19/2019	13:47:00	
I:\ACQUDATA\5973A\DATA\061919 \DS524.D\	Continuing Calibration Verification	RQ1906153-02	6/19/2019	14:46:00	
I:\ACQUDATA\5973A\DATA\061919 \DS527.D\	ZZZZZZZ	ZZZZZZZ	6/19/2019	16:20:00	
I:\ACQUDATA\5973A\DATA\061919 \DS528.D\	ZZZZZZZ	ZZZZZZZ	6/19/2019	16:49:00	
I:\ACQUDATA\5973A\DATA\061919 \DS529.D\	ZZZZZZZ	ZZZZZZZ	6/19/2019	17:18:00	
I:\ACQUDATA\5973A\DATA\061919 \DS530.D\	ZZZZZZZ	ZZZZZZZ	6/19/2019	17:46:00	
I:\ACQUDATA\5973A\DATA\061919 \DS531.D\	ZZZZZZZ	ZZZZZZZ	6/19/2019	18:14:00	
I:\ACQUDATA\5973A\DATA\061919 \DS533.D\	ZZZZZZZ	ZZZZZZZ	6/19/2019	19:12:00	
I:\ACQUDATA\5973A\DATA\061919 \DS534.D\	ZZZZZZZ	ZZZZZZZ	6/19/2019	19:41:00	
I:\ACQUDATA\5973A\DATA\061919 \DS535.D\	ZZZZZZZ	ZZZZZZZ	6/19/2019	20:10:00	
I:\ACQUDATA\5973A\DATA\061919 \DS536.D\	ZZZZZZZ	ZZZZZZZ	6/19/2019	20:38:00	
I:\ACQUDATA\5973A\DATA\061919 \DS537.D\	ZZZZZZZ	ZZZZZZZ	6/19/2019	21:07:00	
I:\ACQUDATA\5973A\DATA\061919 \DS538.D\	ZZZZZZZ	ZZZZZZZ	6/19/2019	21:36:00	
I:\ACQUDATA\5973A\DATA\061919 \DS539.D\	MW-16	R1905417-001	6/19/2019	22:05:00	
I:\ACQUDATA\5973A\DATA\061919 \DS540.D\	MW-27	R1905417-002	6/19/2019	22:34:00	
I:\ACQUDATA\5973A\DATA\061919 \DS541.D\	MW-15	R1905417-003	6/19/2019	23:03:00	
I:\ACQUDATA\5973A\DATA\061919 \DS542.D\	MW-28	R1905417-004	6/19/2019	23:33:00	
I:\ACQUDATA\5973A\DATA\061919 \DS543.D\	MW-35R	R1905417-005	6/20/2019	00:02:00	
I:\ACQUDATA\5973A\DATA\061919 \DS544.D\	OW-10R	R1905417-009	6/20/2019	00:31:00	
I:\ACQUDATA\5973A\DATA\061919 \DS545.D\	ZZZZZZZ	ZZZZZZZ	6/20/2019	01:00:00	
I:\ACQUDATA\5973A\DATA\061919 \DS546.D\	ZZZZZZZ	ZZZZZZZ	6/20/2019	01:29:00	

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:**R1905417
Project: Former Borden Facility/08212777

Analysis Run Log
Semivolatile Organic Compounds by GC/MS

Analysis Method: **Analysis Lot:**640870
Instrument ID:R-MS-51

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\5973A\DATA\062419\DS637.D\	ZZZZZZZ	ZZZZZZZ	6/24/2019	15:12:00	
I:\ACQUDATA\5973A\DATA\062419\DS637.D\	ZZZZZZZ	ZZZZZZZ	6/24/2019	15:12:00	
I:\ACQUDATA\5973A\DATA\062419\DS640.D\	Continuing Calibration Verification	RQ1906446-02	6/24/2019	16:34:00	
I:\ACQUDATA\5973A\DATA\062419\DS640.D\	ZZZZZZZ	ZZZZZZZ	6/24/2019	16:34:00	
I:\ACQUDATA\5973A\DATA\062419\DS641.D\	ZZZZZZZ	ZZZZZZZ	6/24/2019	17:03:00	
I:\ACQUDATA\5973A\DATA\062419\DS642.D\	ZZZZZZZ	ZZZZZZZ	6/24/2019	17:32:00	
I:\ACQUDATA\5973A\DATA\062419\DS643.D\	ZZZZZZZ	ZZZZZZZ	6/24/2019	18:01:00	
I:\ACQUDATA\5973A\DATA\062419\DS644.D\	Method Blank	RQ1906197-01	6/24/2019	18:29:00	
I:\ACQUDATA\5973A\DATA\062419\DS645.D\	Lab Control Sample	RQ1906197-02	6/24/2019	18:58:00	
I:\ACQUDATA\5973A\DATA\062419\DS646.D\	Duplicate Lab Control Sample	RQ1906197-03	6/24/2019	19:27:00	
I:\ACQUDATA\5973A\DATA\062419\DS647.D\	OW-35R	R1905417-006	6/24/2019	19:55:00	
I:\ACQUDATA\5973A\DATA\062419\DS648.D\	Beatty Creek	R1905417-007	6/24/2019	20:24:00	
I:\ACQUDATA\5973A\DATA\062419\DS649.D\	ZZZZZZZ	ZZZZZZZ	6/24/2019	20:52:00	
I:\ACQUDATA\5973A\DATA\062419\DS650.D\	ZZZZZZZ	ZZZZZZZ	6/24/2019	21:20:00	
I:\ACQUDATA\5973A\DATA\062419\DS651.D\	ZZZZZZZ	ZZZZZZZ	6/24/2019	21:49:00	
I:\ACQUDATA\5973A\DATA\062419\DS652.D\	ZZZZZZZ	ZZZZZZZ	6/24/2019	22:17:00	

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QA/QC Report

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:**R1905417
Project: Former Borden Facility/08212777

Analysis Run Log
Semivolatile Organic Compounds by GC/MS

Analysis Method: **Analysis Lot:**641480
Instrument ID:R-MS-51

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\5973D\Data\062819\BS213.D\	ZZZZZZZ	ZZZZZZZ	6/28/2019	23:06:00	
I:\ACQUDATA\5973D\Data\062819\BS214.D\	Continuing Calibration Verification	RQ1906663-02	6/28/2019	23:27:00	
I:\ACQUDATA\5973D\Data\062819\BS215.D\	ZZZZZZZ	ZZZZZZZ	6/28/2019	23:57:00	
I:\ACQUDATA\5973D\Data\062819\BS216.D\	ZZZZZZZ	ZZZZZZZ	6/29/2019	00:28:00	
I:\ACQUDATA\5973D\Data\062819\BS217.D\	ZZZZZZZ	ZZZZZZZ	6/29/2019	00:59:00	
I:\ACQUDATA\5973D\Data\062819\BS218.D\	Method Blank	RQ1906197-01	6/29/2019	01:29:00	
I:\ACQUDATA\5973D\Data\062819\BS219.D\	Lab Control Sample	RQ1906197-02	6/29/2019	01:59:00	
I:\ACQUDATA\5973D\Data\062819\BS220.D\	Duplicate Lab Control Sample	RQ1906197-03	6/29/2019	02:29:00	
I:\ACQUDATA\5973D\Data\062819\BS221.D\	ZZZZZZZ	ZZZZZZZ	6/29/2019	02:59:00	
I:\ACQUDATA\5973D\Data\062819\BS222.D\	ZZZZZZZ	ZZZZZZZ	6/29/2019	03:29:00	
I:\ACQUDATA\5973D\Data\062819\BS223.D\	ZZZZZZZ	ZZZZZZZ	6/29/2019	03:59:00	
I:\ACQUDATA\5973D\Data\062819\BS224.D\	ZZZZZZZ	ZZZZZZZ	6/29/2019	04:29:00	
I:\ACQUDATA\5973D\Data\062819\BS225.D\	ZZZZZZZ	ZZZZZZZ	6/29/2019	04:59:00	
I:\ACQUDATA\5973D\Data\062819\BS226.D\	ZZZZZZZ	ZZZZZZZ	6/29/2019	05:29:00	
I:\ACQUDATA\5973D\Data\062819\BS227.D\	ZZZZZZZ	ZZZZZZZ	6/29/2019	05:58:00	
I:\ACQUDATA\5973D\Data\062819\BS228.D\	ZZZZZZZ	ZZZZZZZ	6/29/2019	06:28:00	
I:\ACQUDATA\5973D\Data\062819\BS229.D\	ZZZZZZZ	ZZZZZZZ	6/29/2019	06:58:00	
I:\ACQUDATA\5973D\Data\062819\BS230.D\	ZZZZZZZ	ZZZZZZZ	6/29/2019	07:27:00	
I:\ACQUDATA\5973D\Data\062819\BS231.D\	ZZZZZZZ	ZZZZZZZ	6/29/2019	07:57:00	
I:\ACQUDATA\5973D\Data\062819\BS232.D\	ZZZZZZZ	ZZZZZZZ	6/29/2019	08:40:00	
I:\ACQUDATA\5973D\Data\062819\BS233.D\	ZZZZZZZ	ZZZZZZZ	6/29/2019	09:10:00	
I:\ACQUDATA\5973D\Data\062819\BS234.D\	ZZZZZZZ	ZZZZZZZ	6/29/2019	09:41:00	
I:\ACQUDATA\5973D\Data\062819\BS235.D\	ZZZZZZZ	ZZZZZZZ	6/29/2019	10:12:00	
I:\ACQUDATA\5973D\Data\062819\BS236.D\	ZZZZZZZ	ZZZZZZZ	6/29/2019	10:42:00	
I:\ACQUDATA\5973D\Data\062819\BS237.D\	ZZZZZZZ	ZZZZZZZ	6/29/2019	11:13:00	
I:\ACQUDATA\5973D\Data\062819\BS238.D\	ZZZZZZZ	ZZZZZZZ	6/29/2019	11:44:00	
I:\ACQUDATA\5973D\Data\062819\BS239.D\	ZZZZZZZ	ZZZZZZZ	6/29/2019	12:15:00	
I:\ACQUDATA\5973D\Data\062819\BS240.D\	ZZZZZZZ	ZZZZZZZ	6/29/2019	12:46:00	

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QA/QC Report

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:**R1905417
Project: Former Borden Facility/08212777

Analysis Run Log
Semivolatile Organic Compounds by GC/MS

Analysis Method: **Analysis Lot:**642513
Instrument ID:R-MS-51

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\5973A\DATA\071219\DS874.D\	ZZZZZZZ	ZZZZZZZ	7/12/2019	06:13:00	
I:\ACQUDATA\5973A\DATA\071219\DS874.D\	ZZZZZZZ	ZZZZZZZ	7/12/2019	06:13:00	
I:\ACQUDATA\5973A\DATA\071219\DS875.D\	ZZZZZZZ	ZZZZZZZ	7/12/2019	06:39:00	
I:\ACQUDATA\5973A\DATA\071219\DS875.D\	Continuing Calibration Verification	RQ1907013-02	7/12/2019	06:39:00	
I:\ACQUDATA\5973A\DATA\071219\DS876.D\	Method Blank	RQ1906656-01	7/12/2019	07:16:00	
I:\ACQUDATA\5973A\DATA\071219\DS877.D\	Lab Control Sample	RQ1906656-02	7/12/2019	07:45:00	
I:\ACQUDATA\5973A\DATA\071219\DS878.D\	Duplicate Lab Control Sample	RQ1906656-03	7/12/2019	10:28:00	
I:\ACQUDATA\5973A\DATA\071219\DS879.D\	ZZZZZZZ	ZZZZZZZ	7/12/2019	10:56:00	
I:\ACQUDATA\5973A\DATA\071219\DS880.D\	ZZZZZZZ	ZZZZZZZ	7/12/2019	11:24:00	
I:\ACQUDATA\5973A\DATA\071219\DS881.D\	ZZZZZZZ	ZZZZZZZ	7/12/2019	11:52:00	
I:\ACQUDATA\5973A\DATA\071219\DS883.D\	ZZZZZZZ	ZZZZZZZ	7/12/2019	12:47:00	
I:\ACQUDATA\5973A\DATA\071219\DS884.D\	ZZZZZZZ	ZZZZZZZ	7/12/2019	13:15:00	
I:\ACQUDATA\5973A\DATA\071219\DS885.D\	ZZZZZZZ	ZZZZZZZ	7/12/2019	13:44:00	
I:\ACQUDATA\5973A\DATA\071219\DS886.D\	MW-16	R1905417-001	7/12/2019	14:12:00	
I:\ACQUDATA\5973A\DATA\071219\DS887.D\	MW-27	R1905417-002	7/12/2019	14:41:00	
I:\ACQUDATA\5973A\DATA\071219\DS888.D\	MW-15	R1905417-003	7/12/2019	15:12:00	
I:\ACQUDATA\5973A\DATA\071219\DS889.D\	MW-28	R1905417-004	7/12/2019	15:41:00	
I:\ACQUDATA\5973A\DATA\071219\DS890.D\	MW-35R	R1905417-005	7/12/2019	16:09:00	
I:\ACQUDATA\5973A\DATA\071219\DS891.D\	OW-10R	R1905417-009	7/12/2019	16:37:00	
I:\ACQUDATA\5973A\DATA\071219\DS892.D\	ZZZZZZZ	ZZZZZZZ	7/12/2019	17:04:00	
I:\ACQUDATA\5973A\DATA\071219\DS893.D\	ZZZZZZZ	ZZZZZZZ	7/12/2019	17:32:00	
I:\ACQUDATA\5973A\DATA\071219\DS894.D\	ZZZZZZZ	ZZZZZZZ	7/12/2019	18:01:00	

Analysis: 8270/625	**Analyst:** [illegible]	**Run Method:** 8270A/Tune	
Date: 7/12/19	**Instr.** 5973A R-MS-51	**Quant Method:** 8270070219A.M	
Syringes:		**LIMS Run#:**	642513

Pos.	Sample	Diln.	Stds. ID	File#	OK?	Comments
1	Blk			B5873	—	
2	Dfltt			74	TT	
3	CCV			75	CCC	
4	RQ1906656-01	Blk	339699	76	Y	
5	-02	LCS	(STD)	77	Y	
6	-03	LCSD		78	Y	
7	RQ1906652-01	Blk	339695	79	Y	
8	-02	LCS	(S)	80	Y	
9	-03	LCSD		81	Y	
10	R1905284-007			82	Y	
11	R1905656-014			83	Y	
12	-015			84	Y	
13	-016			85	Y	
14	R1905417-001		339699	86	Y	
15	-002			87	Y	
16	-003	3.0		88	Y	
17	-004			89	Y	
18	-005			90	Y	
19	-009	5.0		91	Y	
20	R1905851-003			92	Y	
21	R1905877-001			93	Y	
22	R1905892-002	2.0		94	Y	
23	-003	2.0		95	(N)	OUT OF TUNE
24	-005			96	|	
25	-007	10		97	|	
26	R1905920-009			98	↓	

All samples = ___ mL + 10 uL Combined IS/Surr.; 19992

Primary :_____ exp: Secondary :_____ exp:

Primary:_____ exp: Secondary :_____ exp:

Reagents:

Analysis: 8270/625	**Analyst:** [illegible]	**Run Method:** 8270A/Tune	
Date: 7/12/19	**Instr.** 5973A R-MS-51	**Quant Method:** 8270070219A.M	
Syringes:		**LIMS Run#:**	642513

Pos.	Sample	Diln.	Stds. ID	File#	OK?	Comments
1	Blk			BS873	—	
2	Dual			74	YY	
3	CCV			75	YCC	
4	RQ1906656-01	Blk	339699	76	Y	
5	-02	LCS	(8270)	77	YQL	
6	-03	LCSD		78	YQL	
7	RQ1906652-01	Blk	339695	79	Y	
8	-02	LCS	(SI)	80	YQL	
9	-03	LCSD		81	YQL	
10	R1905284-007			82	Y	
11	R1905656-014			83	Y	
12	-015			84	Y	
13	-016			85	Y	
14	R1905417-001		339699	86	Y	
15	-002			87	Y	
16	-003	3.0		88	Y	
17	-004			89	Y	
18	-005			90	Y	
19	-009	5.0		91	Y	
20	R1905851-003			92	Y	
21	R1905877-001			93	Y	
22	R1905892-002	2.0		94	Y	
23	-003	2.0		95	(2)	BUT OF TUNE
24	-005			96	|	
25	-007	10		97	|	
26	R1905920-009			98	↓	

All samples = ___1___ mL + ___10___ uL Combined IS/Surr.; 199856

Primary :_____ exp: Secondary :_____ exp:

Primary:_____ exp: Secondary :_____ exp:

Reagents:

Analysis: 8270	Analyst: [illegible]	Run Method: 8270A Tune
Date: 6/19/19	Instr. 5973A R-MS-51	Quant Method: 8270043019A.M
Syringes:	LIMS Run#:	640110

Pos.	Sample	Diln.	Stds. ID	File#	OK?	Comments
2	Tune			DS517	(N)	
2	Tune			18	Y	
3	CCV			19	(N)	change liner
1	Blk			20	21 –	
2	Tune		19959	22	21 22 Y	
3	CCV		200366	23	23 (N)	make new
3	CCV		200459	24	24 (N) Y	NOT 625
4	RQ1905922-03	BLK		25	25 (N)	8270 only
5	CCV Hexa			26	26 (N)	
6	RQ1905998-01	BLK	338545	27	27 Y	
7	-02	LCS	(8270)	28	28 Y	
8	-03	LCSD		29	29 Y	
9	R1905351-001		338744	30	30 Y	
10	-003		(8270)	31	31 Y	
11	R1905355-001			32	32 (N)	Dil 1/2
12	-002			33	33 Y	
13	R1905360-002			34	34 Y	
14	-003			35	35 Y	-
15	-004	10		36	36 Y	-
16	R1905067-001	5.0	338502	37	37 Y	
17	R1904990-005	10	338174	38	38 Y	
18	R1905417-001	2520	338744	39	39 Y	
19	-002	2.0		40	40 Y	
20	-003	10000		41	41 Y	
21	-004	2520		42	42 Y	
22	-005	5.0		43	43 Y	
23	-009	5.0		44	44 Y	
24	R1905556-002		338545	45	45 Y	
25	R1905424-004			46	46 Y	
26	-009			47	47 (N)	OUT OF Tune
27	Tune			48	Y	
28	CCV			49	(N)	NOT 625
29	RQ1905076-03	BLK		50		
30	-04	LCS		51		
31	-05	LCSD		52		
32	R1905024-002			53		
33	R1905025-002			54		
34	R1905044-003			55		
35	R1905062-002			56		
36	R1905070-005			57		

All samples = 1 mL + 10 uL Combined IS/Surr.; R9752

Primary : _____ exp: Secondary : _____ exp:

Primary: _____ exp: Secondary : _____ exp:

Reagents:

Analysis: 8270/625 Analyst: CM/SL/ed/cc Run Method: 8270A/Tune

Date: 6/18/19 Instr. 5973A R-MS-51 Quant Method: 8270 ~~031419AS.M~~ 041019AS.M

Syringes: LIMS Run#: 639907

Pos.	Sample	Diln.	Stds. ID	File#	OK?	Comments
1	Tune		199591	D5476	YT	
2	CCV		200358	77	N	
3	CCV		200360	78	YCC	Not 625 have >20%
4	RQ1905421-01	Blk	338744	79	Y	~~524~~ phenol 447
5	-02	LCS		80	Y	196 on col 186
6	-03	LCSD		87	Y	284 on col 274
7	R1905417-001			82	N	rpt Y25
8	-002			83	N	rpt Y2
9	-003			84	N	rpt Y10000
10	-004			85	N	rpt Y25
11	-005			86	N	rpt Y5
12	-006			87	Y	
13	-007			88	Y	
14	-008			89	Y	
15	-009			90	N	rpt Y5
16	-011			91	Y	
17	R1905063-002		338507	92	N	
18	R1905219-001			93		
19	RQ1905676-03	Blk	338859 (625)	94		
20	-04	LCS		95		
21	-05	LCSD		96		
22	R1905024-002			97		
23	R1905025-002			98		
24	R1905044-003			99		
25	R1905062-002			500		
26	R1905070-005			01	N	Not run
27	-006			02		
28	R1905142-001	200	338574	03		
29	R1905267-001		338590	04	N	
30	R1905268-001			05		

pm 6/19/19

All samples = _____mL + _____uL Combined IS/Surr.;

Primary :_____ exp: Secondary :_____ exp:

Primary:_____ exp: Secondary :_____ exp:

Reagents:

Analysis: 8270D | Analyst: [illegible] | Run Method: 8270A ITune
Date: 6/24/19 | Instr. 5973A R-MS-51 | Quant Method: 8270043019A.M
Syringes: | LIMS Run#: 640870

Pos.	Sample	Diln.	Stds. ID	File#	OK?	Comments
1	Blk			D5624	—	
1	Blk			25	—	
2	Tune			26	(N)	Trim column
2	Tune			27	—	
2	Tune			28	—	
1	PCP			29	—	
1				30	—	
1				31	—	
1				32	—	
1				33	—	
1				34	—	
1	↓		199591	35	(N)	Trim column
2	Tune			36	(N)	
2	Tune		↓	37	Y	
2	Tune		200497	38	(N)	
3	CCV		199591	39	(N)	
4	CCV 625ICO		200559	40	YCC	
5	CCV		338599	41	YQ	
6	RQ1905804-02	LCS	338744	42	Y	
7	R1905355-001	2.0	338545	43	Y	
8	R1905424-009		339142	44	Y	"J" phenol
9	RQ1906197-01	Blk		45	YQ	
10	—02	LCS		46	YQ	
11	↓ -03	LCSD		47	Y	"B"
12	R1905417-006 RE			48	Y	
13	↓ -007 RE			49	Y	
14	R1905559-007			50	Y	
15	—009			51	Y	
16	-011			52	Y	
17	↓ -013			53	(N)	Needs Benzoic Acid
18	R1905529-001			54		
19	-002			55		
20	-003			56		
21	-004			57		
22	-005			58		
23	-006			59		
24	-007			60		
25	-008			61	↓	
26	-009					
			↓			
				JM 6/25/19		

All samples = 1 mL + 16 uL Combined IS/Surr.: 199756

Primary : _____ exp:
Primary: _____ exp:
Reagents:

Secondary : _____ exp:
Secondary : _____ exp:

Analysis: 8270 Analyst: Omisirowicz Run Method: 8270D / TVA

Date: 6/28/19 Instr. 5973D R-MS-54 Quant Method: 8270-0627190.m

Syringes: LIMS Run#: 641477 / 641480

Pos.	Sample	Diln.	Stds. ID	File#	OK?	Comments
1	BLK			B5187	-	
2	TUNE		198691	88	YT	
3	CCV		200729	89	YCC	
4	RQ1904622-01	BLK	339396	90	Y	
5	-02	LCS		91	YQ	
6	-03	LCSD		92	YQ	
7	R1905002-002			93	Y	
8	Hexa		199198	94	Y	
9	RQ1906266-01	BLK	339206	95	Y	
10	-02	LCS		96	YQ	
11	-03	LCSD		97	YQ	
12	R1905360-003RE			98	Y	
13	-004 RE 10			99	Y	
14	R1905642-005			200	Y	
15	-007			01	Y	
16	-009			02	Y	
17	-011			03	Y	
18	R1905676-001			04	Y	
19	-002			05	Y	
20	R1905768-001			06	(2)	OUT OF TUNE
21	-003			07		
22	-005			08		
23	RQ1906142-01	BLK	339049	09	(2)	
24	-02	LCS		10		
25	-03	LCSD		11		
26	R1905556-007			12		
27	TUNE		198691	13	YT	
28	CCV		200729	14	YCC	
29	R1905576-005			15	Y	
30	-009			16	Y	
31	-010			17	Y	
32	RQ1906197-01	BLK	339142	18	Y	
33	-02	LCS		19	YQ	
34	-03	LCSD		20	YQ	
35	R1905579-001			21	Y	
36	-002			22	Y	
37	-003			23	Y	
38	-004			24	Y	
39	-005			25	Y	
40	-006			26	Y	

All samples = _____mL + _____uL Combined IS/Surr.;

Primary :_____ exp: Secondary :_____ exp:

Primary:_____ exp: Secondary :_____ exp:

Reagents:

Analysis: 8270/625 Analyst: DMS, Drew 2 Run Method: 8270/DMS

Date: 6/28/19 Cart Instr. 5973D R-MS-54 Quant Method: 8270062705.M

Syringes: LIMS Run#: 691480

Pos.	Sample	Diln.	Stds. ID	File#	OK?	Comments
41	R1905579-007			B5127	Y	
42	" -008			28	Y	
43	" -009			29	Y	
44	RQ1906197-04		R5579-OWMS	30	Y	
45	" -05		" MSD	31	Y	
46	RQ1905500-01	BLK	335590	32	Y	
47	" -02	LCS	(625)	33	YQ	
48	" -03	LCSD		34	YQ	
49	R1905268-001			35	Y	
50	R1905294-002			36	Y	
51	R1905295-002			37	Y	
52	R1905246-001			38	Y	
53	" -002			39	Y	
54	R1905362-001			40	Y	

DM 7/1/19

All samples = _____mL + _____uL Combined IS/Surr.;

Primary :_____ exp: Secondary :_____ exp:

Primary:_____ exp: Secondary :_____ exp:

Reagents:

ALS Group USA, Corp.

DBA ALS Environmetal

QC/QC Report

Date Analyzed: 7/2/19 17:16

ICAL Tune Summary

Semi Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5973A\DATA\070219\DS762.D Analytical Method: 8270D

Instrument ID: R-MS-51

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Results Pass/Fail
51	198	10	80	53.4	27389	PASS
68	69	0	2	1.4	381	PASS
69	198	0	100	53.6	27486	PASS
70	69	0	2	0.4	100	PASS
127	198	10	80	55.6	28544	PASS
197	198	0	2	0.0	0	PASS
198	198	100	100	100.0	51315	PASS
199	198	5	9	7.7	3930	PASS
275	198	10	60	27.8	14275	PASS
365	198	1	100	3.5	1816	PASS
441	442	0.01	24	18.0	12827	PASS
442	442	100	100	100.0	71208	PASS
443	442	15	24	19.2	13705	PASS

Sample Name	Lab Code	File ID:	Date Analyzes:	Q
BLK	BLK	I:\ACQUDATA\5973A\DATA\070219\DS763.D	7/2/19 17:37	
1 ppm STD	1 ppm STD	I:\ACQUDATA\5973A\DATA\070219\DS764.D	7/2/19 18:05	
2.5 ppm STD	2.5 ppm STD	I:\ACQUDATA\5973A\DATA\070219\DS765.D	7/2/19 18:34	
5.0 ppm STD	5.0 ppm STD	I:\ACQUDATA\5973A\DATA\070219\DS766.D	7/2/19 19:03	
10 ppm STD	10 ppm STD	I:\ACQUDATA\5973A\DATA\070219\DS767.D	7/2/19 19:31	
50 ppm STD	50 ppm STD	I:\ACQUDATA\S973A\DATA\070219\DS768.D	7/2/19 20:00	
80 ppm STD	80 ppm STD	I:\ACQUDATA\S973A\DATA\070219\DS769.D	7/2/19 20:28	
100 ppm STD	100 ppm STD	I:\ACQUDATA\5973A\DATA\070219\DS770.D	7/2/19 20:57	
120 ppm STD	120 ppm STD	I:\ACQUDATA\5973A\DATA\070219\DS771.D	7/2/19 21:26	
160 ppm STD	160 ppm STD	I:\ACQUDATA\5973A\DATA\070219\DS772.D	7/2/19 21:54	
ICV	ICV	I:\ACQUDATA\5973A\DATA\070219\DS773.D	7/2/19 22:24	

Analysis: 7/2/19	**Analyst:** DMS/DRW/LA	**Run Method:** 8270/TNM	
Date:	**Instr.** 5973A R-MS-51	**Quant Method:**	
Syringes:	**LIMS Run#:**		

Pos.	Sample	Diln.	Stds. ID	File#	OK?	Comments
1	BLK			D5755	—	
2	Tune			59	(N)	
2	Tune			60	Y	
3	CCV			61	(N)	change column & recalibrate
2	Tune		198691	62	Y	
3	BLK			63	Y	
4	1 ppm SSD		200817	64	Y	
5	2.5		TP	65	Y	
4	5.0		19	66	Y	
7	10		20	67	Y	
8	50		21	68	Y	
9	80		22	69	Y	
10	100		23	70	Y	
11	120		24	71	Y	
12	160		25	72	Y	
13	ICV		24	73	Y (Q)	

8270072419A.M
8270072419A.S
RC19080-7L

DMS 7/3/19

All samples = _____mL + _____uL Combined IS/Surr.;

Primary :_____ exp: Secondary :_____ exp:

Primary:_____ exp: Secondary :_____ exp:

Reagents:

ALS Group USA, Corp.

DBA ALS Environmetal

QC/QC Report

Date Analyzed: 6/27/19 8:46

ICAL Tune Summary

Semi Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5973D\DATA\062719\BS1S8.D Analytical Method: 8270D

Instrument ID: R-MS-54

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Results Pass/Fail
51	198	10	80	32.7	58080	PASS
68	69	0	2	1.4	1083	PASS
69	198	0	100	44.8	79633	PASS
70	69	0	2	0.7	525	PASS
127	198	10	80	53.9	95875	PASS
197	198	0	2	0.2	423	PASS
198	198	100	100	100.0	177867	PASS
199	198	5	9	6.8	12153	PASS
275	198	10	60	19.5	34635	PASS
365	198	1	100	1.9	3436	PASS
441	442	0.01	24	18.5	19749	PASS
442	442	100	100	100.0	106739	PASS
443	442	15	24	18.9	20184	PASS

Sample Name	Lab Code	File ID:	Date Analyzes:	Q
BLK	BLK	I:\ACQUDATA\5973D\DATA\062719\BS1S9.D	6/27/19 15:34	
1 ppm STD	1 ppm STD	I:\ACQUDATA\5973D\DATA\062719\BS160.D	6/27/19 16:01	
2.5 ppm STD	2.5 ppm STD	I:\ACQUDATA\5973D\Data\062719\BS161.D	6/27/19 16:29	
5.0 ppm STD	5.0 ppm STD	I:\ACQUDATA\5973D\Data\062719\BS162.D	6/27/19 16:57	
10 ppm STD	10 ppm STD	I:\ACQUDATA\5973D\DATA\062719\BS163.D	6/27/19 17:26	
50 ppm STD	50 ppm STD	I:\ACQUDATA\5973D\DATA\062719\BS164.D	6/27/19 17:54	
80 ppm STD	80 ppm STD	I:\ACQUDATA\5973D\Data\062719\BS165.D	6/27/19 18:22	
100 ppm STD	100 ppm STD	I:\ACQUDATA\5973D\DATA\062719\B5166.D	6/27/19 18:51	
120 ppm STD	120 ppm STD	I:\ACQUDATA\5973D\Data\062719\B5167.D	6/27/19 19:19	
160 ppm STD	160 ppm STD	I:\ACQUDATA\5973D\DATA\062719\BS168.D	6/27/19 19:47	
ICV	ICV	I:\ACQUDATA\5973D\DATA\062719\BS169.D	6/27/19 20:16	
ICV #2	ICV #2	I:\ACQUDATA\5973D\Data\062719\BS170.D	6/27/19 20:44	

Analysis: 8270/625	Analyst: DMS/Jorenica	Run Method: 8270D/Tune
Date: 6/27/19	Instr. 5973D R-MS-54	Quant Method: 8270627191D.M
Syringes:		LIMS Run#:

Pos.	Sample	Diln.	Stds. ID	File#	OK?	Comments
1	Blk			B5156	—	
1	Blk			57		
2	Tune			58	YT	
3	Blk			59	Y	
4	1 ppm STD		200672	60	(N)	Not used
5	2.5		73	61	Y	
6	5.0		74	62	Y	
7	10		75	63	Y	
8	20		76	64	Y	
9	50		77	65	Y	
10	100		78	66	Y	
11	120		79	67	Y	
12	160		80	68	Y	
13	ICV		200683	69	YQ	
14	ICV #2		81	70	YQ	
15	CCV			71		
16	RQ1906266-01	Blk	339206 (8270)	73 72	(N)	
17	-02	LCS		74 73		
18	-03	LCSD		75 74		
19	R1905360-003 RE			76 75		
20	-004 RE	10		77 76		
21	R1905642-005			78 77		
22	-007			79 78		
23	-009			80 79		
24	-011			81 80		
25	R1905676-001			82 81		
26	-002			83 82		
27	R1905768-001			84 83		
28	-003			85 84		
29	-005			86 85		
15	CCV Hexa			87 72		

All samples = _____mL + _____uL Combined IS/Surr.;

Primary :_____ exp: Secondary :_____ exp:

Primary:_____ exp: Secondary :_____ exp:

Reagents:

Prep Summary Report

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:**R1905417
Project: Former Borden Facility/08212777
Sample Matrix: Water

Semivolatile Organic Compounds by GC/MS

Prep Method: EPA 3510C **Extraction Lot:** 339699
Analytical Method: 8270D **Extraction Date:** 07/01/19 08:41

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Amount	Percent Solids
MW-16	R1905417-001	6/10/19	6/12/19	1060.0000	1 mL	
MW-27	R1905417-002	6/10/19	6/12/19	1060.0000	1 mL	
MW-15	R1905417-003	6/10/19	6/12/19	1.0000 mL	1 mL	
MW-28	R1905417-004	6/10/19	6/12/19	1060.0000	1 mL	
MW-35R	R1905417-005	6/10/19	6/12/19	1060.0000	1 mL	
OW-10R	R1905417-009	6/10/19	6/12/19	1060.0000	1 mL	
Method Blank	RQ1906656-01MB	NA	NA	1000 mL	1 mL	
Lab Control Sample	RQ1906656-02LCS	NA	NA	1000 mL	1 mL	
Duplicate Lab Control Sample	RQ1906656-03DLCS	NA	NA	1000 mL	1 mL	

Prep Summary Report

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:**R1905417
Project: Former Borden Facility/08212777
Sample Matrix: Water

Semivolatile Organic Compounds by GC/MS

Prep Method: EPA 3510C **Extraction Lot:** 338744
Analytical Method: 8270D **Extraction Date:** 06/17/19 07:34

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Amount	Percent Solids
MW-16	R1905417-001	6/10/19	6/12/19	940.0000 mL	1 mL	
MW-16	R1905417-001	6/10/19	6/12/19	940.0000 mL	1 mL	
MW-27	R1905417-002	6/10/19	6/12/19	930.0000 mL	1 mL	
MW-15	R1905417-003	6/10/19	6/12/19	1060.0000	1 mL	
MW-28	R1905417-004	6/10/19	6/12/19	1060.0000	1 mL	
MW-28	R1905417-004	6/10/19	6/12/19	1060.0000	1 mL	
MW-35R	R1905417-005	6/10/19	6/12/19	1060.0000	1 mL	
OW-35R	R1905417-006	6/10/19	6/12/19	1000 mL	1 mL	
Beatty Creek	R1905417-007	6/10/19	6/12/19	1060.0000	1 mL	
MW-19	R1905417-008	6/10/19	6/12/19	1060.0000	1 mL	
OW-10R	R1905417-009	6/10/19	6/12/19	960.0000 mL	1 mL	
MW-17	R1905417-011	6/10/19	6/12/19	1060.0000	1 mL	
Method Blank	RQ1905921-01MB	NA	NA	1000 mL	1 mL	
Lab Control Sample	RQ1905921-02LCS	NA	NA	1000 mL	1 mL	
Duplicate Lab Control Sample	RQ1905921-03DLCS	NA	NA	1000 mL	1 mL	

Prep Summary Report

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:**R1905417
Project: Former Borden Facility/08212777
Sample Matrix: Water

Semivolatile Organic Compounds by GC/MS

Prep Method: EPA 3510C **Extraction Lot:** 339142
Analytical Method: 8270D **Extraction Date:** 06/21/19 10:30

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Amount	Percent Solids
OW-35R	R1905417-006	6/10/19	6/12/19	1000 mL	1 mL	
Beatty Creek	R1905417-007	6/10/19	6/12/19	950.0000 mL	1 mL	
Method Blank	RQ1906197-01MB	NA	NA	1000 mL	1 mL	
Lab Control Sample	RQ1906197-02LCS	NA	NA	1000 mL	1 mL	
Duplicate Lab Control Sample	RQ1906197-03DLCS	NA	NA	1000 mL	1 mL	

Preparation Information Benchsheet

Prep Run#: 339699
Team: Semivoa GCMS/BALLGEIER

Prep WorkFlow: OrgExtAq(7)
Prep Method: EPA 3510C

Status: Prepped
Prep Date/Time: 7/1/19 08:41

#	Lab Code	Client ID	B#	Amt. Ext.	Method /Test	pH	AE	BN	Final Vol	Sample Desc. (Initial/Final)	SpikeAmt./Inv. ID	Comments
1	RQ1906656-01	MB		1000mL	625/SVO				1.00mL	clear	0.5000 mL/200725	
2	RQ1906656-01	MB		1000mL	8270D/SVO				1.00mL	clear	0.5000 mL/200725	
3	RQ1906656-02	LCS		1000mL	625/SVO				1.00mL	clear	1.0000 mL/200106; 0.5000 mL/198943; 0.5000 mL/200725; 0.5000 mL/199262	
4	RQ1906656-02	LCS		1000mL	8270D/SVO				1.00mL	clear	0.5000 mL/198943; 0.5000 mL/199262; 0.5000 mL/200725; 1.0000 mL/200106	
5	RQ1906656-03	DLCS		1000mL	625/SVO				1.00mL	clear	0.5000 mL/199262; 0.5000 mL/198943; 1.0000 mL/200106; 0.5000 mL/200725	
6	RQ1906656-03	DLCS		1000mL	8270D/SVO				1.00mL	clear	1.0000 mL/200106; 0.5000 mL/198943; 0.5000 mL/199262; 0.5000 mL/200725	
7	R1905357-002RE	AIP 002 - Comp	.05	1060mL	625/SVO	7	x	x	1.00mL	grey	0.5000 mL/200725	
8	R1905358-002RE	AIP 003 - Comp	.03	1060mL	625/SVO	7	x	x	1.00mL	grey	0.5000 mL/200725	
9	R1905417-001RE	MW-16	.04	1060mL	8270D/SVO	7	x	x	1.00mL	clear/colorless	0.5000 mL/200725	
10	R1905417-002RE	MW-27	.07	1060mL	8270D/SVO	7	x	x	1.00mL	orange	0.5000 mL/200725	
11	R1905417-003RE	MW-15	.07	1mL	8270D/SVO	7	x	x	1.00mL	orange	0.5000 mL/200725	
12	R1905417-004RE	MW-28	.05	1060mL	8270D/SVO	7	x	x	1.00mL	orange	0.5000 mL/200725	
13	R1905417-005RE	MW-35R	.04	1060mL	8270D/SVO	7	x	x	1.00mL	clear/colorless	0.5000 mL/200725	
14	R1905417-009RE	MW-10R	.04	1060mL	8270D/SVO	7	x	x	1.00mL	orange	0.5000 mL/200725	
15	R1905851-003	MW-01-062419	.02	1060mL	8270D/SVO	7	x	x	1.00mL	clear	0.5000 mL/200725	
16	R1905877-001	HP 62419 INF	.05	1060mL	8270D/SVO	7	x	x	1.00mL	yellow tint	0.5000 mL/200725	
17	R1905892-002	PLW-COMP	.21	1060mL	8270D/SVO	7	x	x	1.00mL	brown	0.5000 mL/200725	
18	R1905892-003	PLE-PLO	.14	1060mL	8270D/SVO	7	x	x	1.00mL	black	0.5000 mL/200725	
19	R1905892-005	PLPV-1	.21	1060mL	8270D/SVO	7	x	x	1.00mL	brown	0.5000 mL/200725	
20	R1905892-007	PLPV-2	.12	1060mL	8270D/SVO	7	x	x	1.00mL	black	0.5000 mL/200725	
21	R1905920-009	WG-9954-062119-SG-045	.07	1060mL	8270D/SVO	7	x	x	1.00mL	brown	0.5000 mL/200725	

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Spiking Solutions

Name:	8270 LCS-NSI	Inventory ID	198943	Logbook Ref:	Expires On:	10/31/2019	Lot #:	041619
Name:	OLM/SOM additionals Spike 100ppm	Inventory ID	199262	Logbook Ref:	Expires On:	07/01/2019		
Name:	Benzidine LCS Spike 100ppm	Inventory ID	200106	Logbook Ref:	Expires On:	12/04/2019		
Name:	8270 Soil Surrogate 100-200ppm	Inventory ID	200725	Logbook Ref:	Expires On:	12/28/2019		

Preparation Information Benchsheet

Prep Run#: 339699
Team: Semivoa GCMS/BALLGEIER

Prep WorkFlow: OrgExtAq(7)
Prep Method: EPA 3510C

Status: Prepped
Prep Date/Time: 7/1/19 08:41

Preparation Materials

Eppendorf Pipette Repeater	EXT #17 (175854)	Sulfuric Acid, 50% H2SO4	(200424)	Dichloromethane (Methylene Chloride) 99.9% MeCl2	canister (199652)
Sodium Hydroxide 50% NaOH	(198594)	pH Paper 0-14	(199608)	Prepared Sodium Sulfate Na2SO4	(200704)

Preparation Steps

Step:	Extraction	Step:	Concentration	Step:	Final Volume
Started:	7/1/19 08:41	Started:	7/3/19 09:53	Started:	7/3/19 11:50
Finished:	7/1/19 15:00	Finished:	7/3/19 11:50	Finished:	7/3/19 11:50
By:	BALLGEIER	By:	KSERCU	By:	KSERCU
Comments		Comments		Comments	

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Comments: _____

Reviewed By: _____ Date: 7/8/19 Spike Witness: AMOSES Date: _____

Chain of Custody

Relinquished By: _____ Date: _____ Extracts Examined

Received By: _____ Date: _____ Yes No

Preparation Information Benchsheet

Prep Run#: 338744
Team: Semivoa GCMS/VSTAUFFER
Prep WorkFlow: OrgExtAq(7)
Prep Method: EPA 3510C
Status: Prepped
Prep Date/Time: 6/17/19 07:34

#	Lab Code	Client ID	B#	Amt. Ext.	Method /Test	pH	AE	BN	Final Vol	Sample Desc. (Initial/Final)	SpikeAmt./Inv. ID	Comments
1	RQ1905921-01	MB		1000mL	625/SVO	7	x	x	1.00mL	clear/colorless	0.5000 mL/199512	
2	RQ1905921-01	MB		1000mL	8270D/SVO	7	x	x	1.00mL	clear/colorless	0.5000 mL/199512	
3	RQ1905921-02	LCS		1000mL	625/SVO	7	x	x	1.00mL	clear/colorless	0.5000 mL/198942; 1.0000 mL/200106; 0.5000 mL/199262; 0.5000 mL/199512	
4	RQ1905921-02	LCS		1000mL	8270D/SVO	7	x	x	1.00mL	clear/colorless	0.5000 mL/199512; 0.5000 mL/198942; 0.5000 mL/199262; 1.0000 mL/200106	
5	RQ1905921-03	DLCS		1000mL	625/SVO	7	x	x	1.00mL	clear/colorless	0.5000 mL/199512; 0.5000 mL/198942; 0.5000 mL/199262; 1.0000 mL/200106	
6	RQ1905921-03	DLCS		1000mL	8270D/SVO	7	x	x	1.00mL	clear/colorless	0.5000 mL/199512; 0.5000 mL/198942; 0.5000 mL/199262; 1.0000 mL/200106	
7	R1905417-001	MW-16	.05	940mL	8270D/SVO	7	x	x	1.00mL	clear/colorless	0.5000 mL/199512	
8	R1905417-002	MW-27	.08	930mL	8270D/SVO	7	x	x	1.00mL	orange	0.5000 mL/199512	
9	R1905417-003	MW-15	.08	1060mL	8270D/SVO	7	x	x	1.00mL	orange	0.5000 mL/199512	
10	R1905417-004	MW-28	.04	1060mL	8270D/SVO	7	x	x	1.00mL	orange	0.5000 mL/199512	
11	R1905417-005	MW-35R	.05	1060mL	8270D/SVO	7	x	x	1.00mL	clear/colorless	0.5000 mL/199512	
12	R1905417-006	OW-35R	.04	1000mL	8270D/SVO	7	x	x	1.00mL	orange	0.5000 mL/199512	
13	R1905417-007	Beatty Creek	.05	1060mL	8270D/SVO	7	x	x	1.00mL	clear/colorless	0.5000 mL/199512	
14	R1905417-008	MW-19	.04	1060mL	8270D/SVO	7	x	x	1.00mL	orange	0.5000 mL/199512	
15	R1905417-009	MW-10R	.05	960mL	8270D/SVO	7	x	x	1.00mL	orange	0.5000 mL/199512	
16	R1905417-011	MW-17	.08	1060mL	8270D/SVO	7	x	x	1.00mL	clear/colorless	0.5000 mL/199512	
17	R1905351-001	1	.04	1060mL	8270D/SVO	7	x	x	1.00mL	orange	0.5000 mL/199512	
18	R1905351-003	3	.04	1060mL	8270D/SVO	7	x	x	1.00mL	orange	0.5000 mL/199512	
19	R1905355-001	LTP-2	.05	930mL	8270D/SVO	7	x	x	1.00mL	orange	0.5000 mL/199512	
20	R1905355-002	LTP-1	.01	1060mL	8270D/SVO	7	x	x	1.00mL	clear/colorless	0.5000 mL/199512	
21	R1905357-002	AIP 002 - Comp	.01	1060mL	625/SVO	7	x	x	1.00mL	grey	0.5000 mL/199512	
22	R1905358-002	AIP 003 - Comp	.03	1060mL	625/SVO	7	x	x	1.00mL	grey	0.5000 mL/199512	
23	R1905360-002	PLCRS-1	.17	1060mL	8270D/SVO	7	x	x	1.00mL	yellow	0.5000 mL/199512	
24	R1905360-003	PLCRS-2	.17	1060mL	8270D/SVO	7	x	x	1.00mL	brown	0.5000 mL/199512	
25	R1905360-004	PLCRS-3	.18	1060mL	8270D/SVO	8	x	x	1.00mL	black	0.5000 mL/199512	
26	R1905410-001	Iroquois Street San.	.19	1060mL	625/SVO	7	x	x	1.00mL	pale yellow	0.5000 mL/199512	

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Spiking Solutions

Name:	8270 LCS-NSI	Inventory ID	198942	Logbook Ref:	Expires On:	10/31/2019	Lot #:	040219
Name:	OLM/SOM additionals Spike 100ppm	Inventory ID	199262	Logbook Ref:	Expires On:	07/01/2019		
Name:	8270 Soil Surrogate 100-200ppm	Inventory ID	199512	Logbook Ref:	Expires On:	11/13/2019		

Preparation Information Benchsheet

Prep Run#: 338744 **Prep WorkFlow:** OrgExtAq(7) **Status:** Prepped
Team: Semivoa GCMS/VSTAUFFER **Prep Method:** EPA 3510C **Prep Date/Time:** 6/17/19 07:34

Name: Benzidine LCS Spike 100ppm Inventory ID 200106 Logbook Ref: Expires On: 12/04/2019

Preparation Materials

Eppendorf Pipette Repeater	EXT #18 (184837)	Sulfuric Acid, 50% H2SO4	(199991)	Dichloromethane (Methylene Chloride) 99.9% MeCl2	canister (199652)
Sodium Hydroxide 50% NaOH	(198594)	pH Paper 0-14	(199608)	Prepared Sodium Sulfate Na2SO4	(200126)

Preparation Steps

Step:	Extraction	Step:	Concentration	Step:	Final Volume
Started:	6/17/19 07:34	Started:	6/18/19 08:15	Started:	6/18/19 11:50
Finished:	6/17/19 17:24	Finished:	6/18/19 11:50	Finished:	6/18/19 11:50
By:	VSTAUFFER	By:	KSERCU	By:	KSERCU
Comments		Comments		Comments	

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Comments:

Reviewed By: Date: 6/19/19 Spike Witness: KSERCU Date:

Chain of Custody

Relinquished By: Date: Extracts Examined

Received By: Date: Yes No

Preparation Information Benchsheet

Prep Run#: 339142
Team: Semivoa GCMS/BALLGEIER

Prep WorkFlow: OrgExtAq(7)
Prep Method: EPA 3510C

Status: Prepped
Prep Date/Time: 6/21/19 10:30

#	Lab Code	Client ID	B#	Amt. Ext.	Method /Test	pH	AE	BN	Final Vol	Sample Desc. (Initial/Final)	SpikeAmt./Inv. ID	Comments
1	RQ1906197-01	MB		1000mL	8270D/SVO	7	x	x	1.00mL	clear	0.5000 mL/200329	
2	RQ1906197-02	LCS		1000mL	8270D/SVO	7	x	x	1.00mL	clear	0.5000 mL/198943; 0.5000 mL/200329; 1.0000 mL/200106; 0.5000 mL/199262	
3	RQ1906197-03	DLCS		1000mL	8270D/SVO	7	x	x	1.00mL	clear	0.5000 mL/199262; 1.0000 mL/200106; 0.5000 mL/200329; 0.5000 mL/198943	
4	R1905417-006RE	OW-35R	.05	1000mL	8270D/SVO	7	x	x	1.00mL	orange	0.5000 mL/200329	
5	R1905417-007RE	Beatty Creek	.04	950mL	8270D/SVO	7	x	x	1.00mL	clear/colorless	0.5000 mL/200329	
6	R1905559-007	MW-806R	.20	980mL	8270D/SVO	7	x	x	1.00mL	clear	0.5000 mL/200329	
7	R1905559-009	MW-806DR	.11	1000mL	8270D/SVO	7	x	x	1.00mL	light brown	0.5000 mL/200329	
8	R1905559-011	MW-804S	.20	980mL	8270D/SVO	7	x	x	1.00mL	brown cloudy	0.5000 mL/200329	
9	R1905559-013	MW-804R	.05	980mL	8270D/SVO	7	x	x	1.00mL	brown cloudy	0.5000 mL/200329	
10	R1905579-001	WG-9954-061419-DJT-013	.10	1060mL	8270D/SVO	7	x	x	1.00mL	clear	0.5000 mL/200329	
11	R1905579-002	WG-9954-061419-DJT-014	.11	1060mL	8270D/SVO	7	x	x	1.00mL	clear	0.5000 mL/200329	
12	R1905579-003	WG-9954-061419-DJT-010	.11	1060mL	8270D/SVO	7	x	x	1.00mL	black cloudy	0.5000 mL/200329	
13	R1905579-004	WG-9954-061419-DJT-011	.10	1060mL	8270D/SVO	7	x	x	1.00mL	black cloudy	0.5000 mL/200329	
14	R1905579-005	WG-9954-061419-DJT-012	.11	1060mL	8270D/SVO	7	x	x	1.00mL	clear	0.5000 mL/200329	
15	R1905579-006	WG-9954-061419-DJT-015	.07	1060mL	8270D/SVO	7	x	x	1.00mL	brown cloudy	0.5000 mL/200329	
16	RQ1906197-04	R1905579-006 MS	.14	1060mL	8270D/SVO	7	x	x	1.00mL	brown cloudy	0.5000 mL/199262; 1.0000 mL/200106; 0.5000 mL/200329; 0.5000 mL/198943	
17	RQ1906197-05	R1905579-006 DMS	.11	1060mL	8270D/SVO	7	x	x	1.00mL	brown cloudy	0.5000 mL/199262; 0.5000 mL/198943; 1.0000 mL/200106; 0.5000 mL/200329	
18	R1905579-007	WG-9954-061419-DJT-016	.12	1060mL	8270D/SVO	7	x	x	1.00mL	orange	0.5000 mL/200329	
19	R1905579-008	WG-9954-061419-DJT-017	.12	1060mL	8270D/SVO	7	x	x	1.00mL	light brown	0.5000 mL/200329	
20	R1905579-009	RB-9954-061419-DJT-001	.10	1060mL	8270D/SVO	7	x	x	1.00mL	clear	0.5000 mL/200329	

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Preparation Information Benchsheet

Prep Run#: 339142
Team: Semivoa GCMS/BALLGEIER

Prep WorkFlow: OrgExtAq(7)
Prep Method: EPA 3510C

Status: Prepped
Prep Date/Time: 6/21/19 10:30

Spiking Solutions

Name:	8270 LCS-NSI	Inventory ID	198943	Logbook Ref:	Expires On:	10/31/2019	Lot #:	041619
Name:	OLM/SOM additionals Spike 100ppm	Inventory ID	199262	Logbook Ref:	Expires On:	07/01/2019		
Name:	Benzidine LCS Spike 100ppm	Inventory ID	200106	Logbook Ref:	Expires On:	12/04/2019		
Name:	8270 Soil Surrogate 100-200ppm	Inventory ID	200329	Logbook Ref:	Expires On:	12/15/2019		

Preparation Materials

Eppendorf Pipette Repeater	EXT #18 (184837)	Sulfuric Acid, 50% H2SO4	(200347)	Dichloromethane (Methylene Chloride) 99.9% MeCl2	canister (199652)
Sodium Hydroxide 50% NaOH	(198594)	pH Paper 0-14	(199608)	Prepared Sodium Sulfate Na2SO4	(200348)

Preparation Steps

Step:	Extraction	Step:	Concentration	Step:	Final Volume
Started:	6/21/19 10:30	Started:	6/23/19 13:50	Started:	6/23/19 14:45
Finished:	6/21/19 12:30	Finished:	6/23/19 15:00	Finished:	6/23/19 15:05
By:	BALLGEIER	By:	BALLGEIER	By:	BALLGEIER
Comments		Comments		Comments	

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Comments: _____

Reviewed By: _____ Date: 6/24/19 Spike Witness: JMISIUREWICZ Date: _____

Chain of Custody

Relinquished By: _____ Date: _____

Received By: _____ Date: _____

Extracts Examined
Yes No

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 12:22
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-27	**Units:**	ug/L
Lab Code:	R1905417-002	**Basis:**	NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	**0.087**	0.040	0.027	1	06/24/19 16:10	6/24/19	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	76	64 - 124	06/24/19 16:10	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 12:22
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-27	**Units:**	ug/L
Lab Code:	R1905417-002	**Basis:**	NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	**1.0**	0.40	0.27	10	06/18/19 19:09	6/17/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	16 *	64 - 124	06/18/19 19:09	*

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 10:30
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-15	**Units:**	ug/L
Lab Code:	R1905417-003	**Basis:**	NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	**0.097**	0.040	0.027	1	06/17/19 17:09	6/17/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	91	64 - 124	06/17/19 17:09	

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\062419\
Data File : AS623.D
Acq On : 24 Jun 2019 4:10 pm
Operator : JMisiurewicz
Sample : R1905417-002 Inst : 5975 E
Misc : 339229 8270D DIOX RE
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 26 08:33:15 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\SDIOX030719.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Mar 11 08:01:23 2019
Response via : Initial Calibration

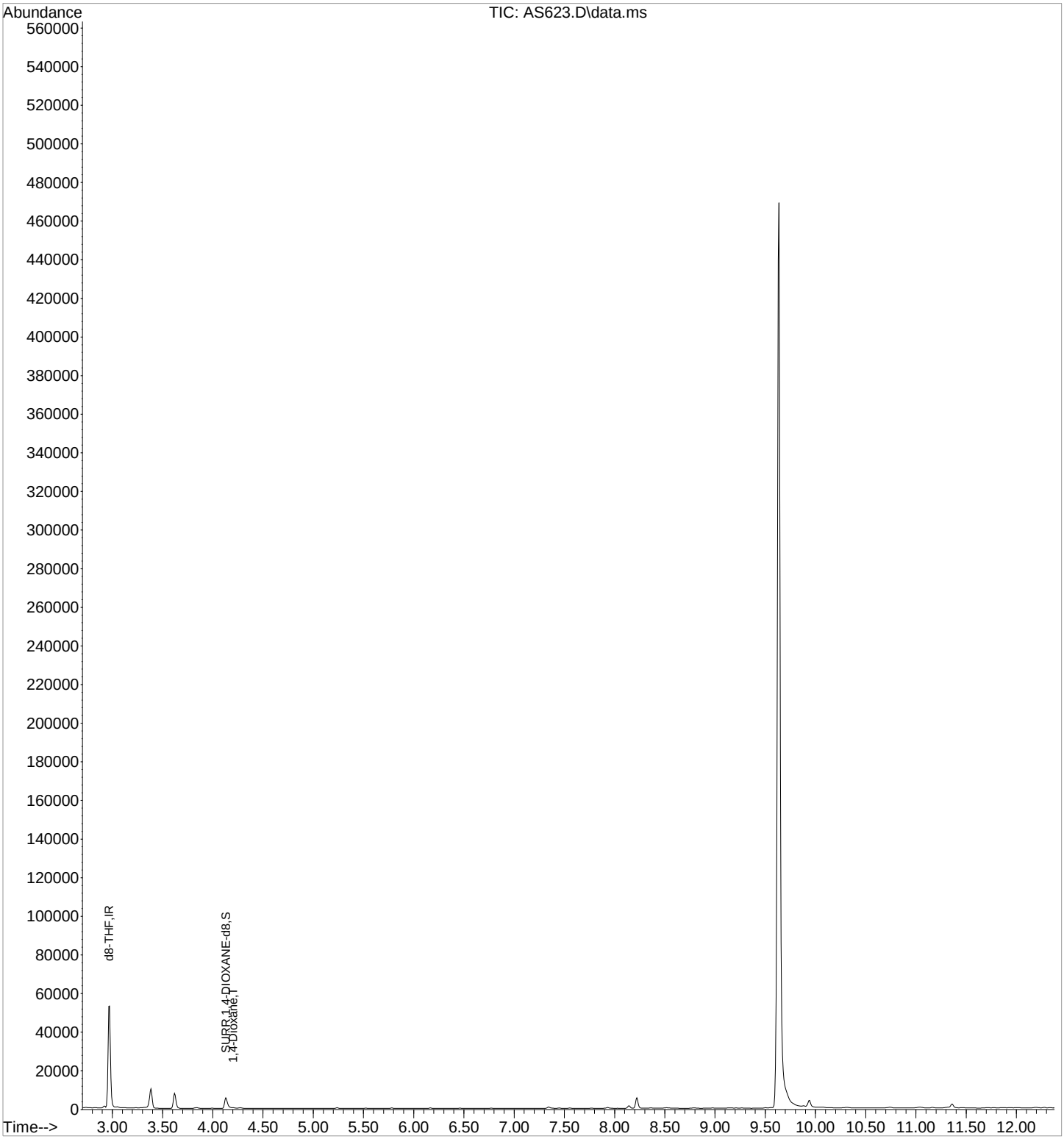
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d8-THF	2.964	46	35121	500.00	PPB	-0.14
System Monitoring Compounds						
3) SURR,1,4-DIOXANE-d8	4.129	96	6131	76.44	PPB	-0.16
Spiked Amount 100.000	Range 70 - 130		Recovery = 76.44%			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.200	88	386	4.34	PPB	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

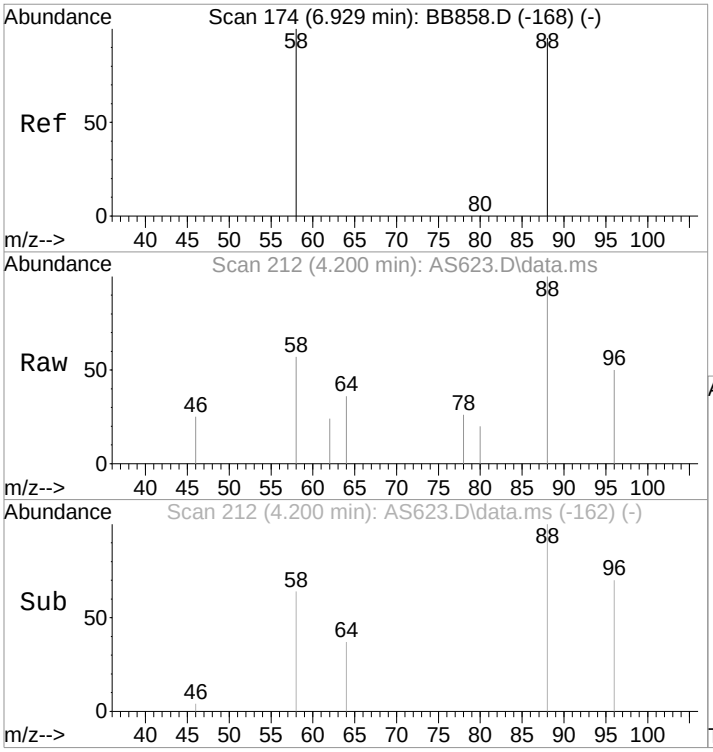
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\062419\
Data File : AS623.D
Acq On : 24 Jun 2019 4:10 pm
Operator : JMisiurewicz
Sample : R1905417-002 Inst : 5975 E
Misc : 339229 8270D DIOX RE
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 26 08:33:15 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\SDIOX030719.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Mar 11 08:01:23 2019
Response via : Initial Calibration



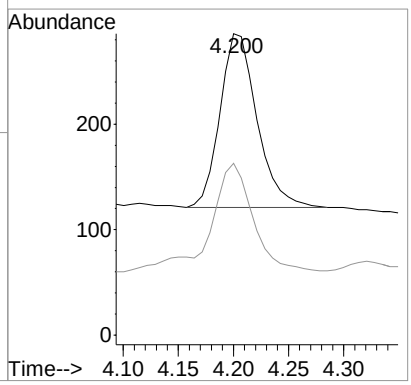
1st DM 06/26/19
2nd BA 06/26/19



#2
1,4-Dioxane
Concen: 4.34 PPB
RT: 4.200 min Scan# 212
Delta R.T. -0.142 min
Lab File: AS623.D
Acq: 24 Jun 2019 4:10 pm

Tgt Ion: 88 Resp: 386

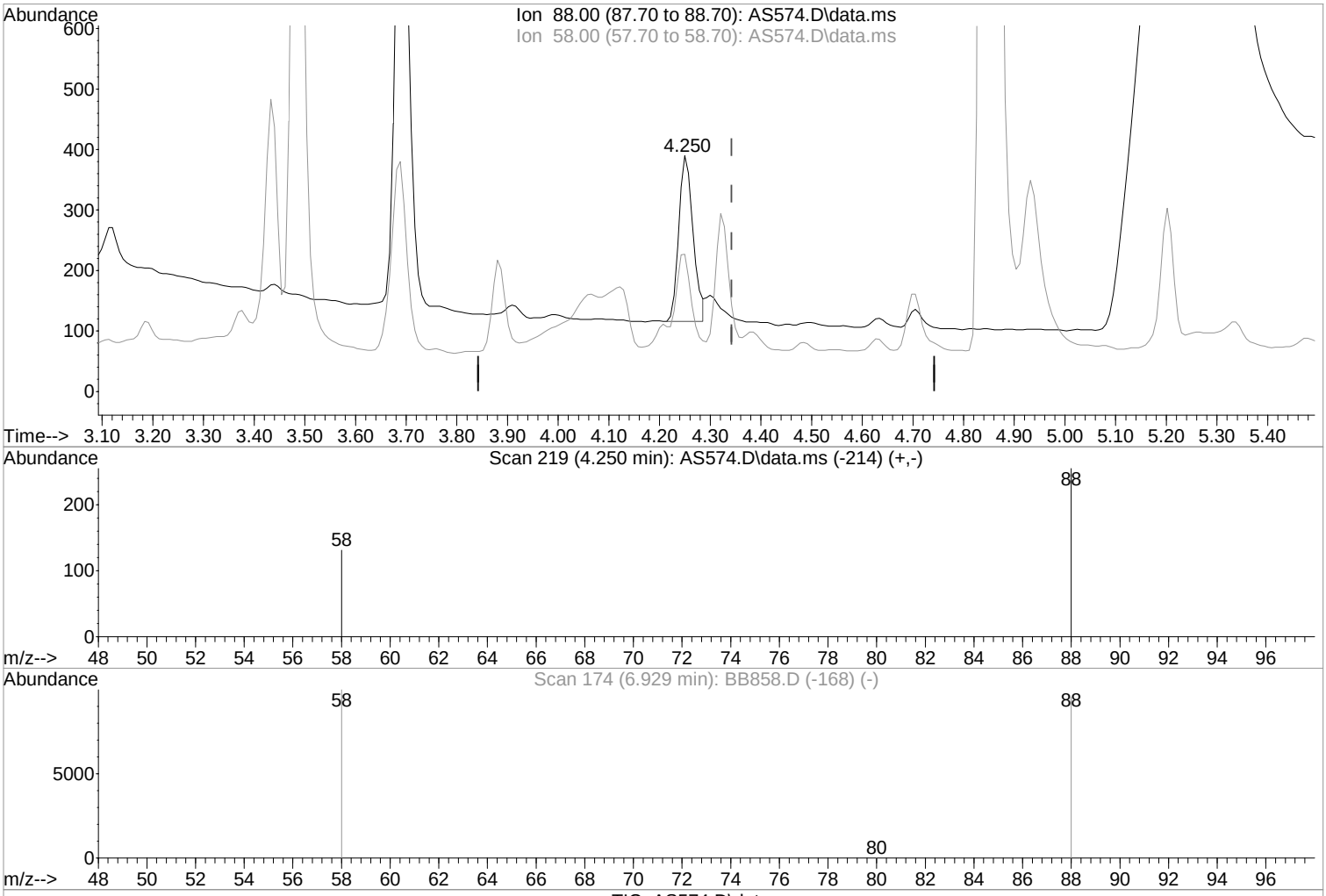
Ion	Ratio	Lower	Upper
88	100		
58	57.9	37.0	77.0



Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5975E\data\061819\
Data File : AS574.D
Acq On : 18 Jun 2019 7:09 pm
Operator : JMisiurewicz
Sample : R1905417-002|10 Inst : 5975 E
Misc : 338763 8270D DIOX
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 20 11:55:18 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\SDIOX030719.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Mar 11 08:01:23 2019
Response via : Initial Calibration



TIC: AS574.D\data.ms

(2) 1,4-Dioxane (T)

4.250min (-0.093) 5.12 PPB m

response 539

Ion	Exp%	Act%
88.00	100.00	100.00
58.00	57.00	58.21
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

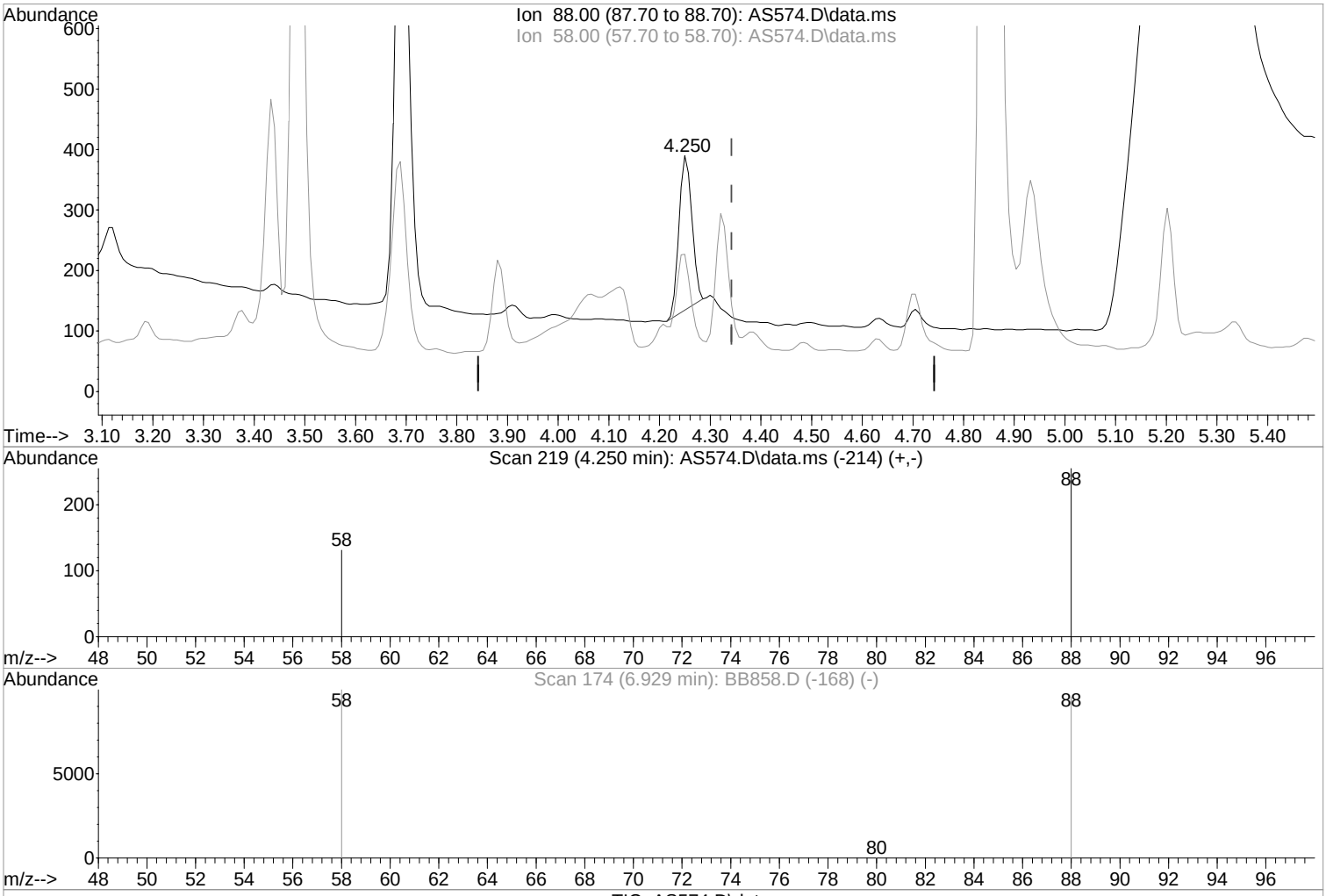
06/20/19

1st JM 06/20/19
2nd MP 06/21/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5975E\data\061819\
Data File : AS574.D
Acq On : 18 Jun 2019 7:09 pm
Operator : JMisiurewicz
Sample : R1905417-002|10 Inst : 5975 E
Misc : 338763 8270D DIOX
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 20 11:52:53 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\SDIOX030719.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Mar 11 08:01:23 2019
Response via : Initial Calibration



TIC: AS574.D\data.ms

(2) 1,4-Dioxane (T)

4.250min (-0.093) 4.33 PPB

response 460

Ion	Exp%	Act%
88.00	100.00	100.00
58.00	57.00	51.47
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

06/20/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\061819\
Data File : AS574.D
Acq On : 18 Jun 2019 7:09 pm
Operator : JMisiurewicz
Sample : R1905417-002|10 Inst : 5975 E
Misc : 338763 8270D DIOX
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 20 11:55:18 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\SDIOX030719.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Mar 11 08:01:23 2019
Response via : Initial Calibration

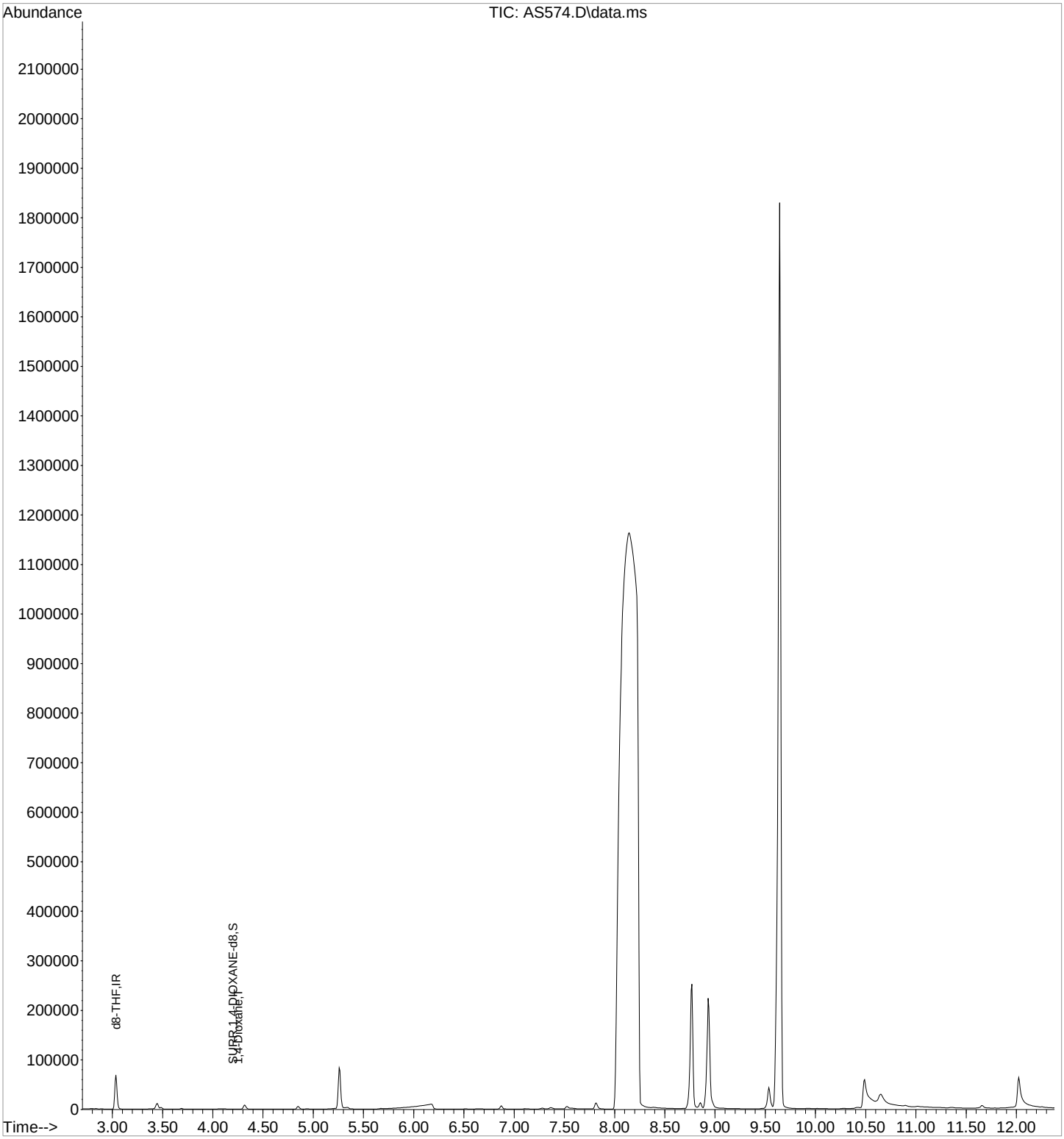
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d8-THF	3.035	46	41956	500.00	PPB	-0.07
System Monitoring Compounds						
3) SURR,1,4-DIOXANE-d8	4.200	96	146	1.56	PPB	-0.09
Spiked Amount 100.000	Range 70 - 130		Recovery =	1.56%#		
Target Compounds						Qvalue
2) 1,4-Dioxane	4.250	88	539m	5.12	PPB	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

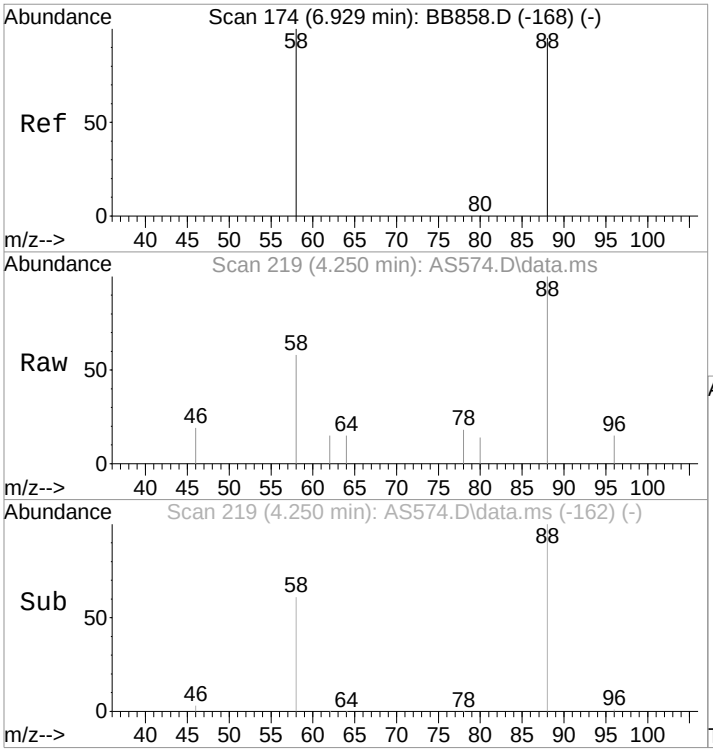
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\061819\
Data File : AS574.D
Acq On : 18 Jun 2019 7:09 pm
Operator : JMisiurewicz
Sample : R1905417-002|10 Inst : 5975 E
Misc : 338763 8270D DIOX
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 20 11:55:18 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\SDIOX030719.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Mar 11 08:01:23 2019
Response via : Initial Calibration



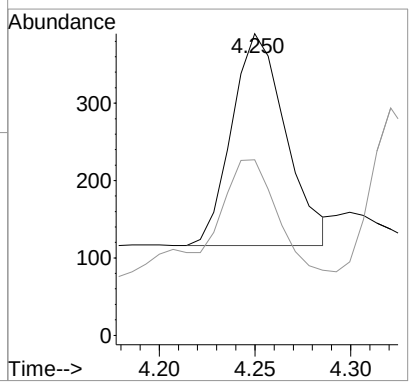
1st 06/20/19
2nd 06/21/19



#2
1,4-Dioxane
Concen: 5.12 PPB m
RT: 4.250 min Scan# 219
Delta R.T. -0.093 min
Lab File: AS574.D
Acq: 18 Jun 2019 7:09 pm

Tgt Ion: 88 Resp: 539

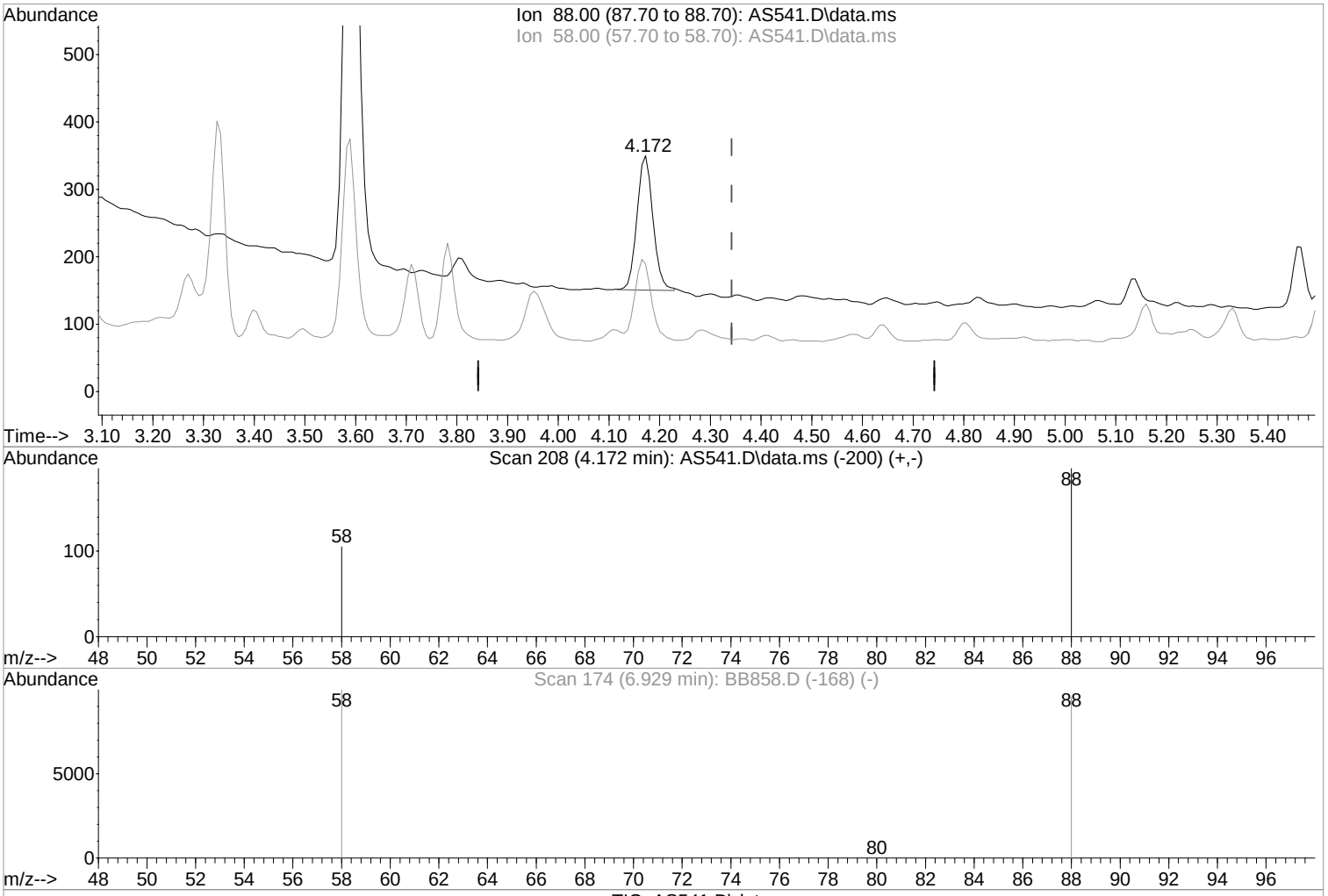
Ion	Ratio	Lower	Upper
88	100		
58	58.2	37.0	77.0



Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5975E\data\061719\
Data File : AS541.D
Acq On : 17 Jun 2019 5:09 pm
Operator : JMisiurewicz
Sample : R1905417-003 Inst : 5975 E
Misc : 338763 8270D DIOX
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 18 13:32:40 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\SDIOX030719.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Mar 11 08:01:23 2019
Response via : Initial Calibration



TIC: AS541.D\data.ms

(2) 1,4-Dioxane (T)

4.172min (-0.170) 4.85 PPB m

response 436

Ion	Exp%	Act%
88.00	100.00	100.00
58.00	57.00	54.00
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

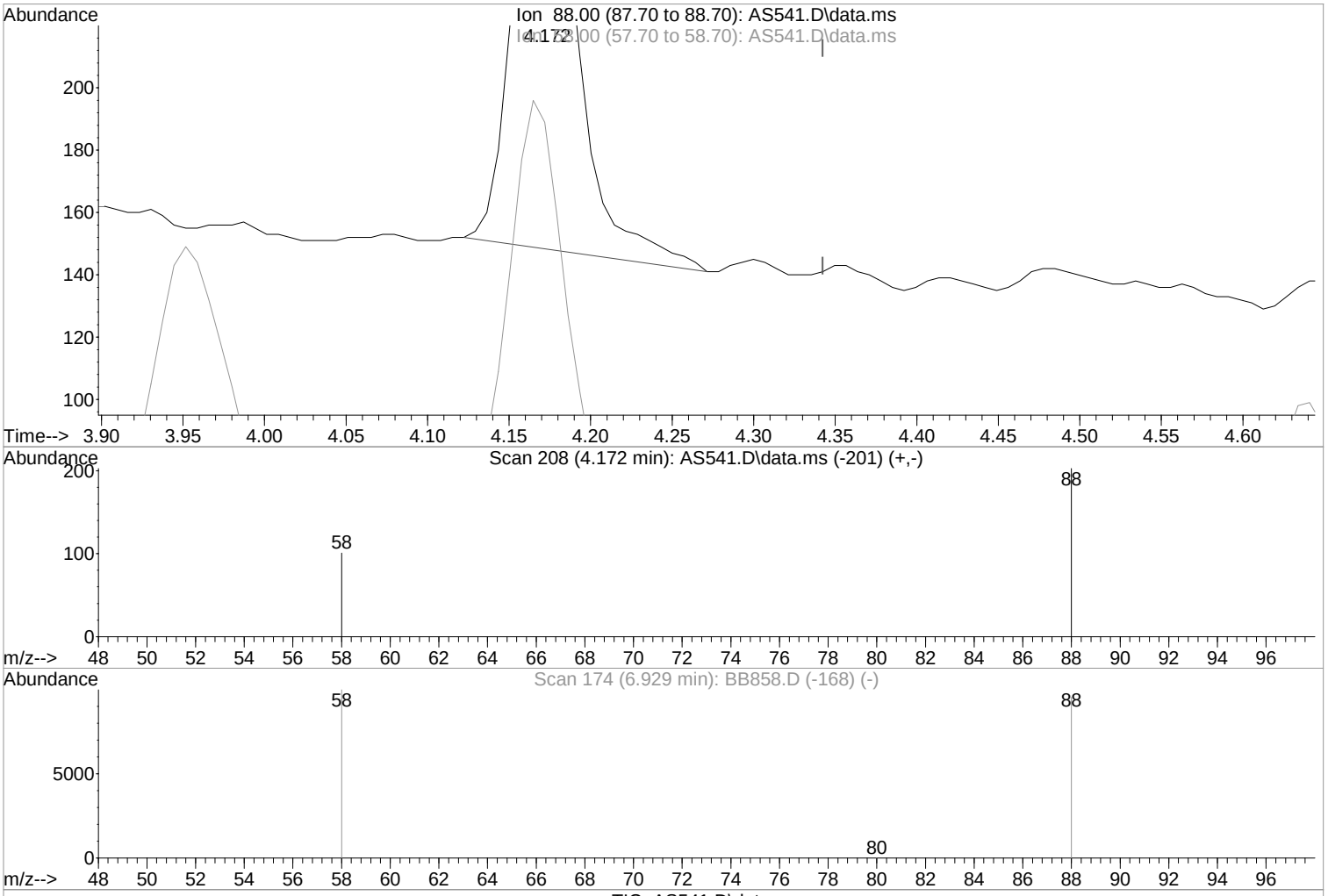
Poor integration.

06/18/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5975E\data\061719\
Data File : AS541.D
Acq On : 17 Jun 2019 5:09 pm
Operator : JMisiurewicz
Sample : R1905417-003 Inst : 5975 E
Misc : 338763 8270D DIOX
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 18 13:32:40 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\SDIOX030719.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Mar 11 08:01:23 2019
Response via : Initial Calibration



TIC: AS541.D\data.ms

(2) 1,4-Dioxane (T)

4.172min (-0.170) 5.13 PPB

response 460

Ion	Exp%	Act%
88.00	100.00	100.00
58.00	57.00	49.63
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

Before

06/18/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\061719\
Data File : AS541.D
Acq On : 17 Jun 2019 5:09 pm
Operator : JMisiurewicz
Sample : R1905417-003 Inst : 5975 E
Misc : 338763 8270D DIOX
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 18 13:36:03 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\SDIOX030719.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Mar 11 08:01:23 2019
Response via : Initial Calibration

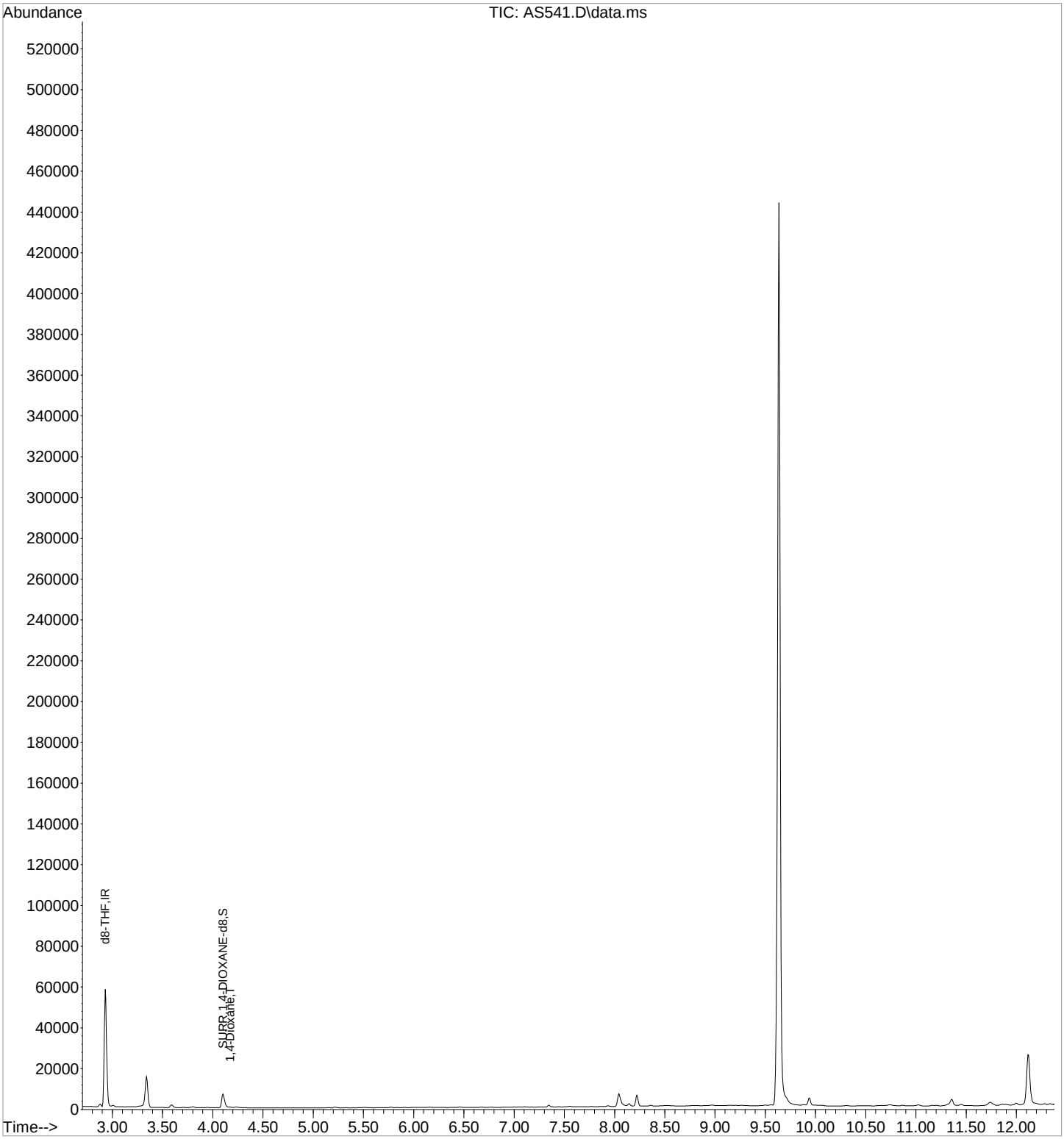
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d8-THF	2.929	46	35753	500.00	PPB	-0.17
System Monitoring Compounds						
3) SURR,1,4-DIOXANE-d8	4.101	96	7428	90.95	PPB	-0.19
Spiked Amount 100.000	Range 70 - 130		Recovery = 90.95%			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.172	88	436m	4.85	PPB	

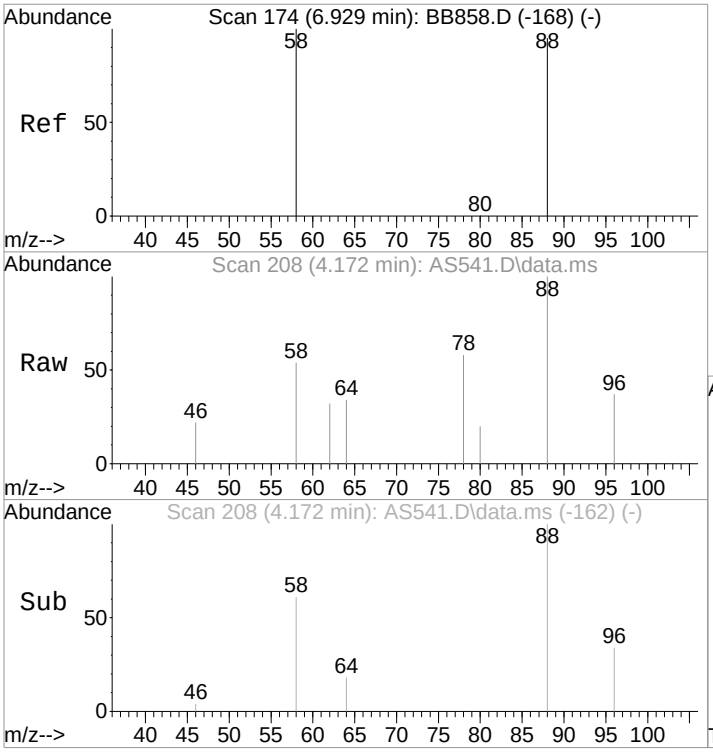
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\061719\
Data File : AS541.D
Acq On : 17 Jun 2019 5:09 pm
Operator : JMisiurewicz
Sample : R1905417-003 Inst : 5975 E
Misc : 338763 8270D DIOX
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 18 13:36:03 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\SDIOX030719.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Mar 11 08:01:23 2019
Response via : Initial Calibration

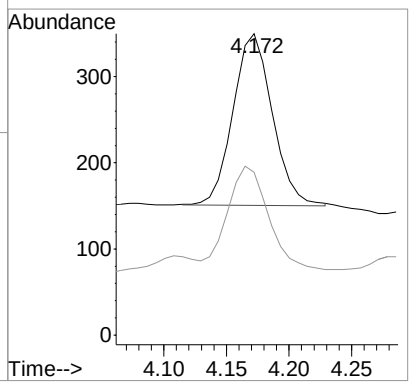




#2
1,4-Dioxane
Concen: 4.85 PPB m
RT: 4.172 min Scan# 208
Delta R.T. -0.170 min
Lab File: AS541.D
Acq: 17 Jun 2019 5:09 pm

Tgt Ion: 88 Resp: 436

Ion	Ratio	Lower	Upper
88	100		
58	54.0	37.0	77.0



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\061719\
Data File : AS536.D
Acq On : 17 Jun 2019 3:38 pm
Operator : JMisiurewicz
Sample : RQ1905934-01 Inst : 5975 E
Misc : 338763 8270D DIOX BLK
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 18 13:32:30 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\SDIOX030719.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Mar 11 08:01:23 2019
Response via : Initial Calibration

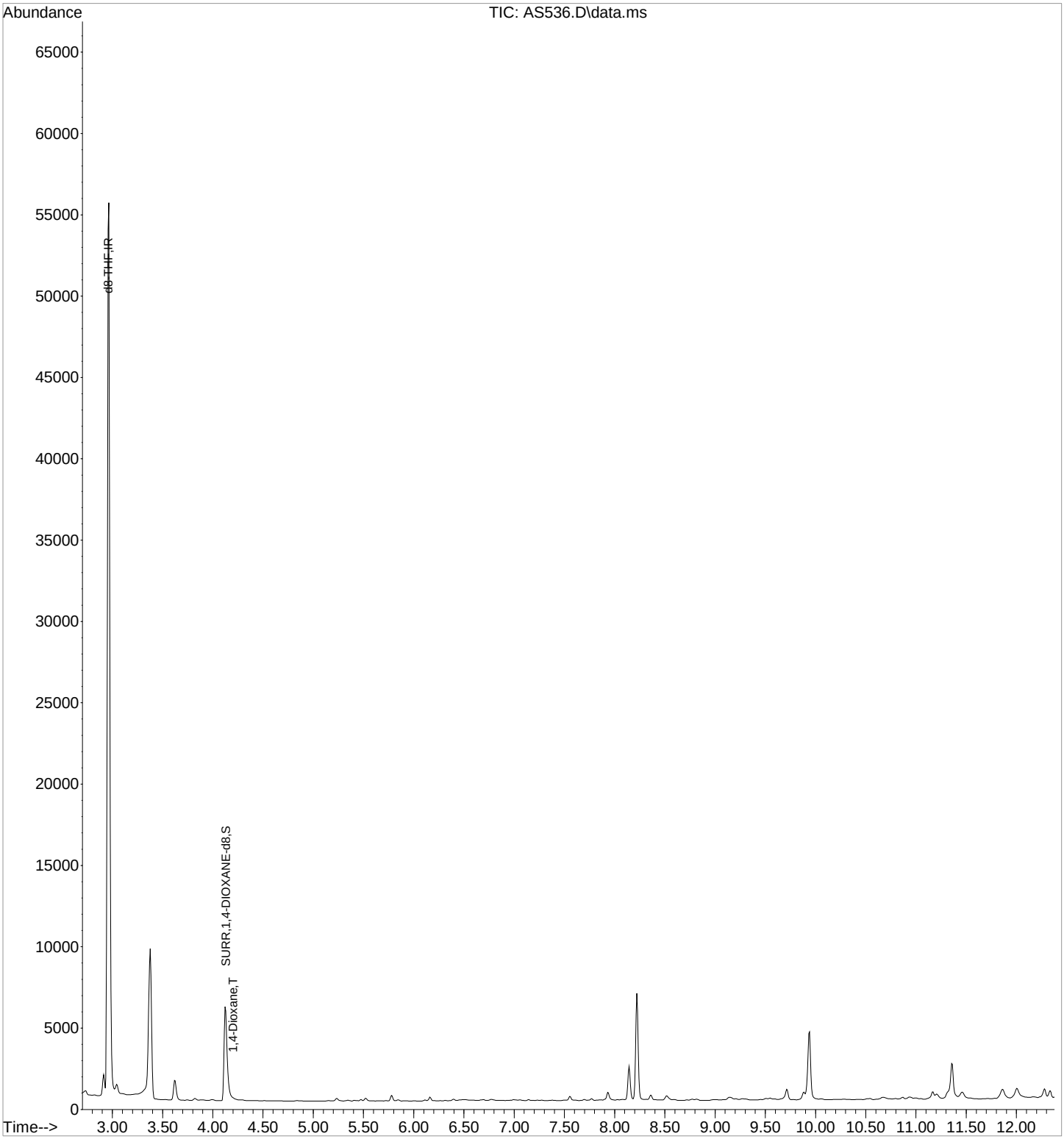
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d8-THF	2.957	46	36058	500.00	PPB	-0.15
System Monitoring Compounds						
3) SURR,1,4-DIOXANE-d8	4.129	96	6698	81.33	PPB	-0.16
Spiked Amount 100.000	Range 70 - 130		Recovery = 81.33%			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.200	88	67	0.51	PPB	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\061719\
Data File : AS536.D
Acq On : 17 Jun 2019 3:38 pm
Operator : JMisiurewicz
Sample : RQ1905934-01 Inst : 5975 E
Misc : 338763 8270D DIOX BLK
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 18 13:32:30 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\SDIOX030719.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Mar 11 08:01:23 2019
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\062419\
Data File : AS620.D
Acq On : 24 Jun 2019 3:15 pm
Operator : JMisiurewicz
Sample : RQ1906296-01 Inst : 5975 E
Misc : 339229 8270D DIOX BLK
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 26 08:33:09 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\SDIOX030719.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Mar 11 08:01:23 2019
Response via : Initial Calibration

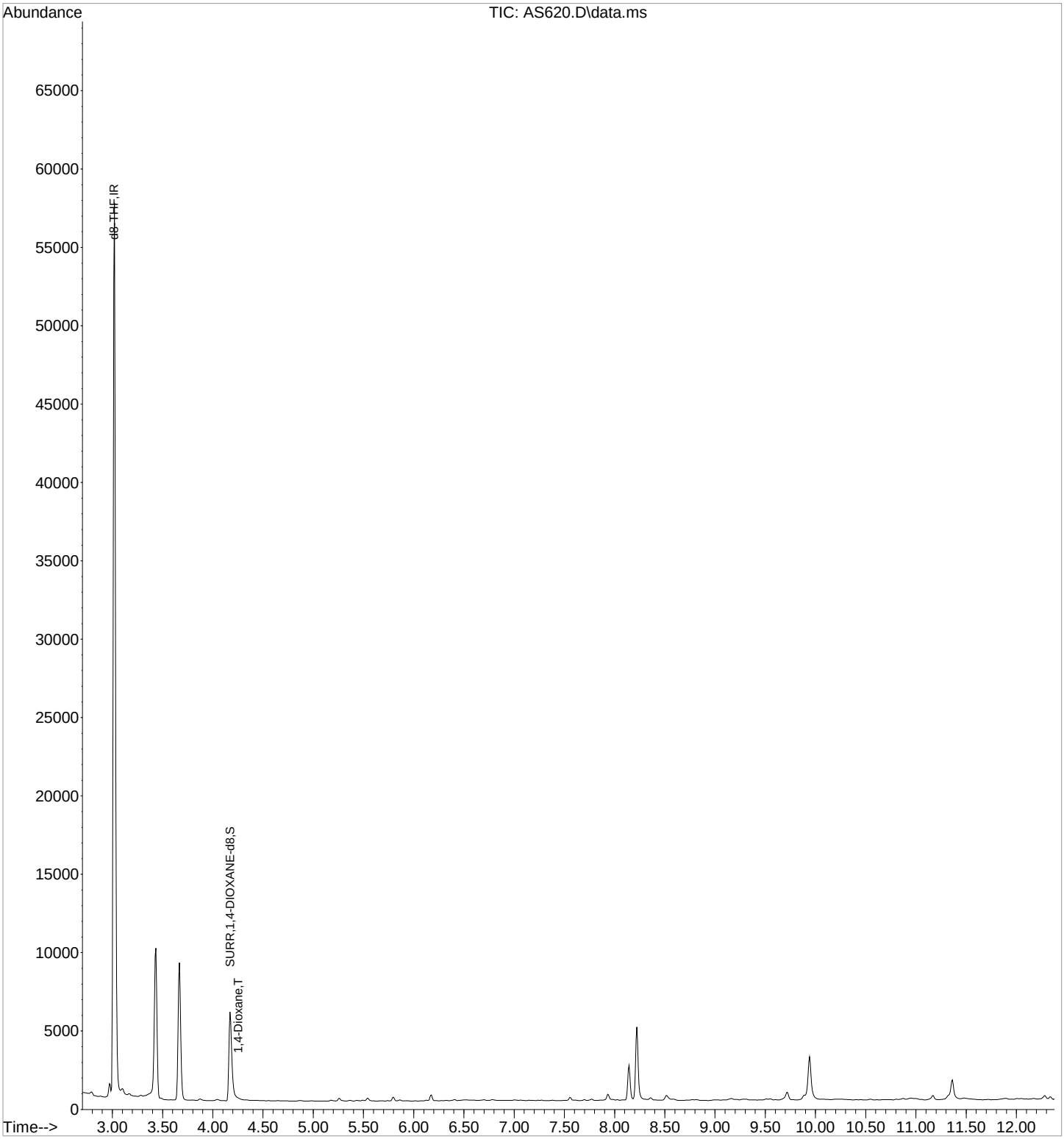
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d8-THF	3.014	46	36709	500.00	PPB	-0.09
System Monitoring Compounds						
3) SURR,1,4-DIOXANE-d8	4.172	96	6228	74.30	PPB	-0.12
Spiked Amount 100.000	Range 70 - 130		Recovery = 74.30%			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.250	88	57	0.38	PPB	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\062419\
Data File : AS620.D
Acq On : 24 Jun 2019 3:15 pm
Operator : JMisiurewicz
Sample : RQ1906296-01 Inst : 5975 E
Misc : 339229 8270D DIOX BLK
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 26 08:33:09 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\SDIOX030719.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Mar 11 08:01:23 2019
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\061719\
Data File : AS537.D
Acq On : 17 Jun 2019 3:56 pm
Operator : JMisiurewicz
Sample : RQ1905934-02 Inst : 5975 E
Misc : 338763 8270D DIOX LCS
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 18 13:32:32 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\SDIOX030719.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Mar 11 08:01:23 2019
Response via : Initial Calibration

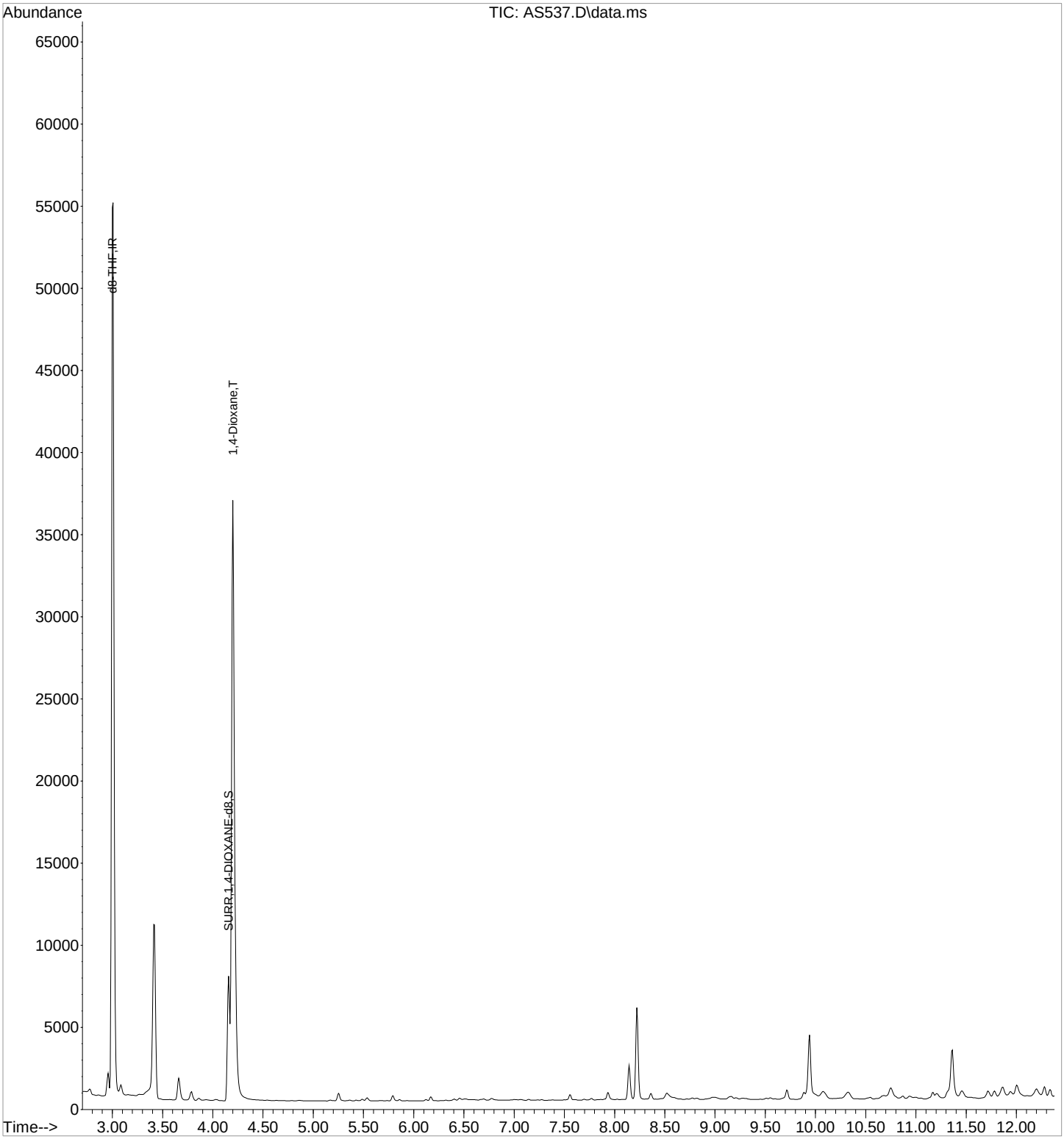
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d8-THF	2.999	46	35594	500.00	PPB	-0.10
System Monitoring Compounds						
3) SURR,1,4-DIOXANE-d8	4.157	96	7137	87.78	PPB	-0.13
Spiked Amount 100.000	Range 70 - 130		Recovery = 87.78%			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.200	88	47303	555.38	PPB	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\061719\
Data File : AS537.D
Acq On : 17 Jun 2019 3:56 pm
Operator : JMisiurewicz
Sample : RQ1905934-02 Inst : 5975 E
Misc : 338763 8270D DIOX LCS
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 18 13:32:32 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\SDIOX030719.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Mar 11 08:01:23 2019
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\062419\
Data File : AS621.D
Acq On : 24 Jun 2019 3:34 pm
Operator : JMisiurewicz
Sample : RQ1906296-02 Inst : 5975 E
Misc : 339229 8270D DIOX LCS
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 26 08:33:11 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\SDIOX030719.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Mar 11 08:01:23 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d8-THF	2.999	46	36381	500.00	PPB	-0.10
System Monitoring Compounds						
3) SURR,1,4-DIOXANE-d8	4.158	96	6481	78.01	PPB	-0.13
Spiked Amount 100.000	Range 70 - 130		Recovery = 78.01%			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.200	88	43957	505.12	PPB	99

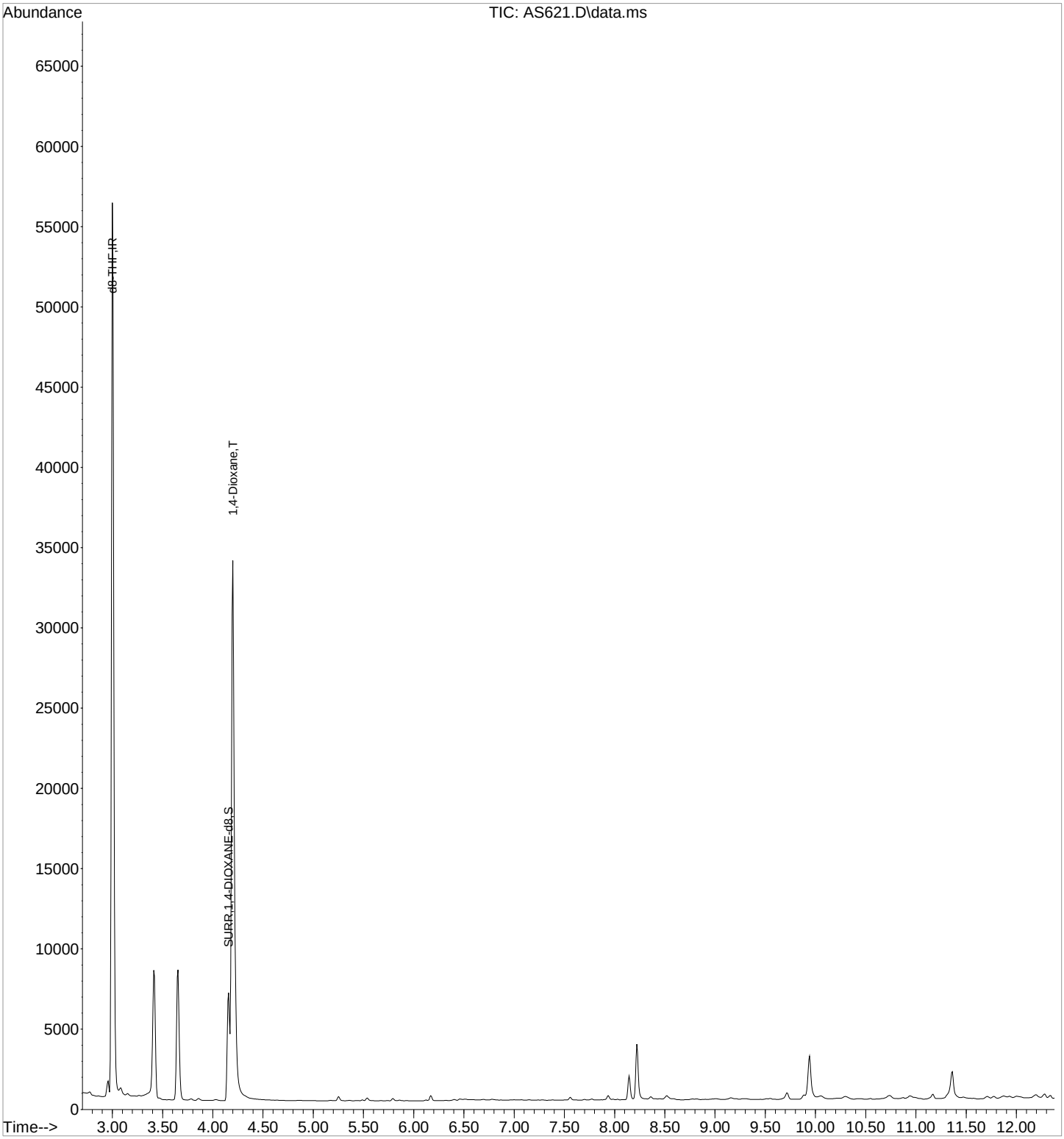
(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st JM 06/26/19
2nd BA 06/26/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\062419\
Data File : AS621.D
Acq On : 24 Jun 2019 3:34 pm
Operator : JMisiurewicz
Sample : RQ1906296-02 Inst : 5975 E
Misc : 339229 8270D DIOX LCS
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 26 08:33:11 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\SDIOX030719.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Mar 11 08:01:23 2019
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\061719\
Data File : AS538.D
Acq On : 17 Jun 2019 4:14 pm
Operator : JMisiurewicz
Sample : RQ1905934-03 Inst : 5975 E
Misc : 338763 8270D DIOX LCSD
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 18 13:32:34 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\SDIOX030719.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Mar 11 08:01:23 2019
Response via : Initial Calibration

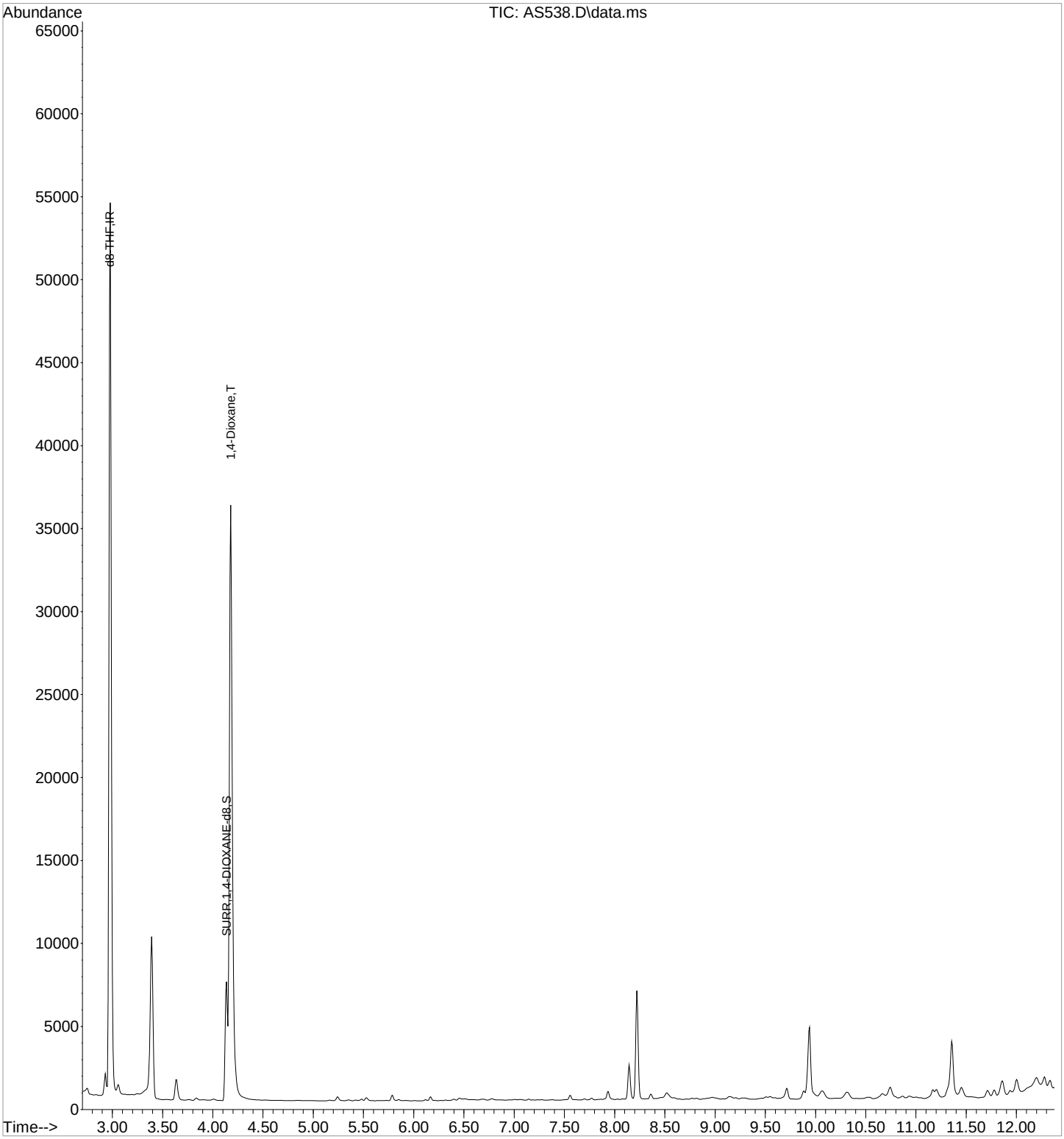
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d8-THF	2.971	46	33187	500.00	PPB	-0.13
System Monitoring Compounds						
3) SURR,1,4-DIOXANE-d8	4.136	96	6832	90.12	PPB	-0.15
Spiked Amount 100.000	Range 70 - 130		Recovery = 90.12%			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.178	88	47228	594.55	PPB	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\061719\
Data File : AS538.D
Acq On : 17 Jun 2019 4:14 pm
Operator : JMisiurewicz
Sample : RQ1905934-03 Inst : 5975 E
Misc : 338763 8270D DIOX LCSD
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 18 13:32:34 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\SDIOX030719.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Mar 11 08:01:23 2019
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\062419\
Data File : AS622.D
Acq On : 24 Jun 2019 3:52 pm
Operator : JMisiurewicz
Sample : RQ1906296-03 Inst : 5975 E
Misc : 339229 8270D DIOX LCSD
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 26 08:33:13 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\SDIOX030719.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Mar 11 08:01:23 2019
Response via : Initial Calibration

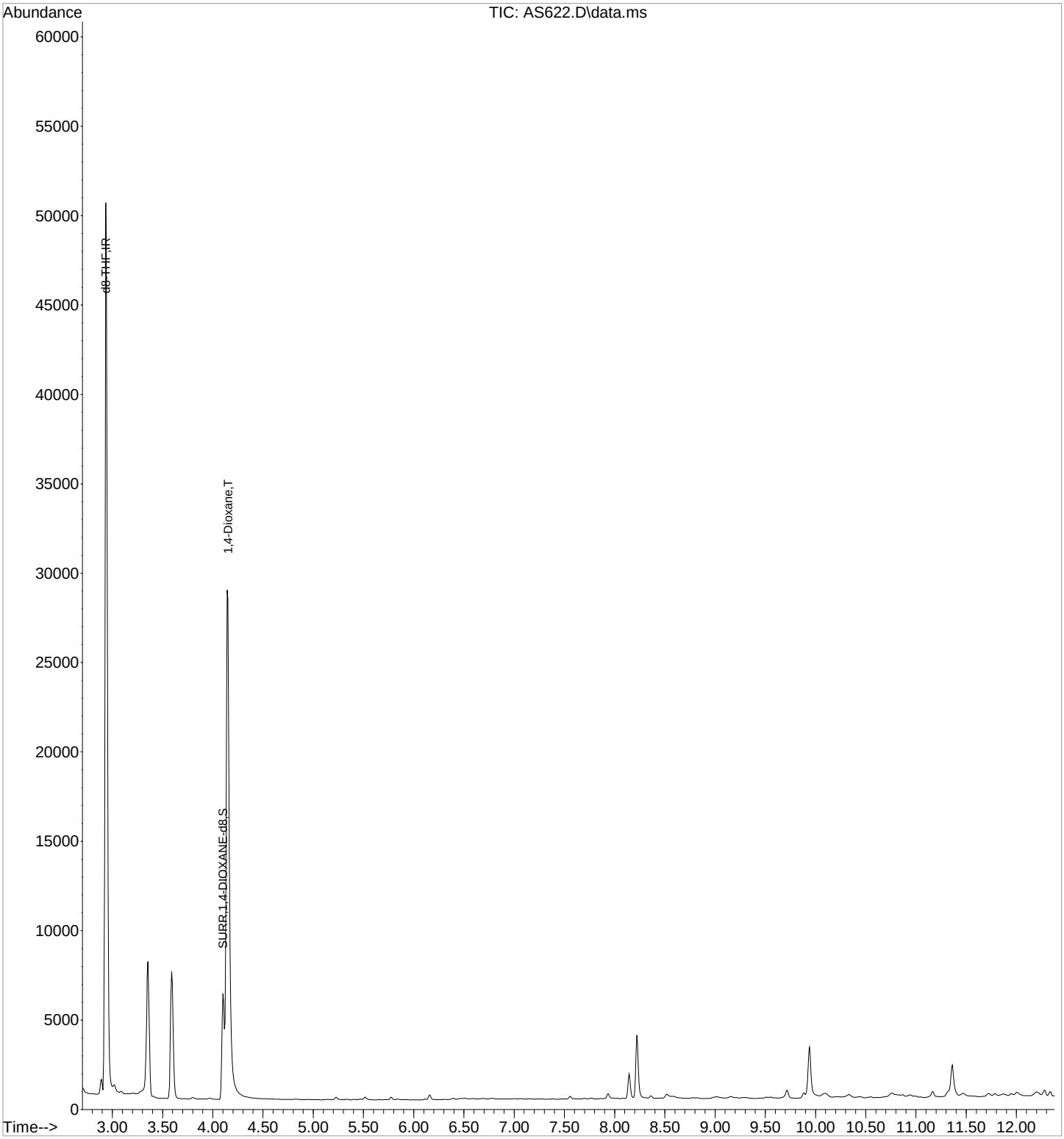
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d8-THF	2.935	46	32799	500.00	PPB	-0.17
System Monitoring Compounds						
3) SURR,1,4-DIOXANE-d8	4.100	96	5928	79.14	PPB	-0.19
Spiked Amount 100.000	Range 70 - 130		Recovery = 79.14%			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.150	88	40368	514.50	PPB	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\062419\
Data File : AS622.D
Acq On : 24 Jun 2019 3:52 pm
Operator : JMisiurewicz
Sample : RQ1906296-03 Inst : 5975 E
Misc : 339229 8270D DIOX LCSD
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 26 08:33:13 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\SDIOX030719.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Mar 11 08:01:23 2019
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\5975E\data\061719\
Data File : AS535.D
Acq On : 17 Jun 2019 3:21 pm
Operator : JMisiurewicz
Sample : CCV Inst : 5975 E
Misc : 200 ppb STD 8270/522
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 18 13:32:28 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\SDIOX030719.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Mar 11 08:01:23 2019
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 IR	d8-THF	500.000	500.000	0.0	108	-0.13
2 T	1,4-Dioxane	200.000	180.540	9.7	98	-0.16
3 S	SURR,1,4-DIOXANE-d8	200.000	184.625	7.7	99	-0.16

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\061719\
Data File : AS535.D
Acq On : 17 Jun 2019 3:21 pm
Operator : JMisiurewicz
Sample : CCV Inst : 5975 E
Misc : 200 ppb STD 8270/522
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 18 13:32:28 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\SDIOX030719.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Mar 11 08:01:23 2019
Response via : Initial Calibration

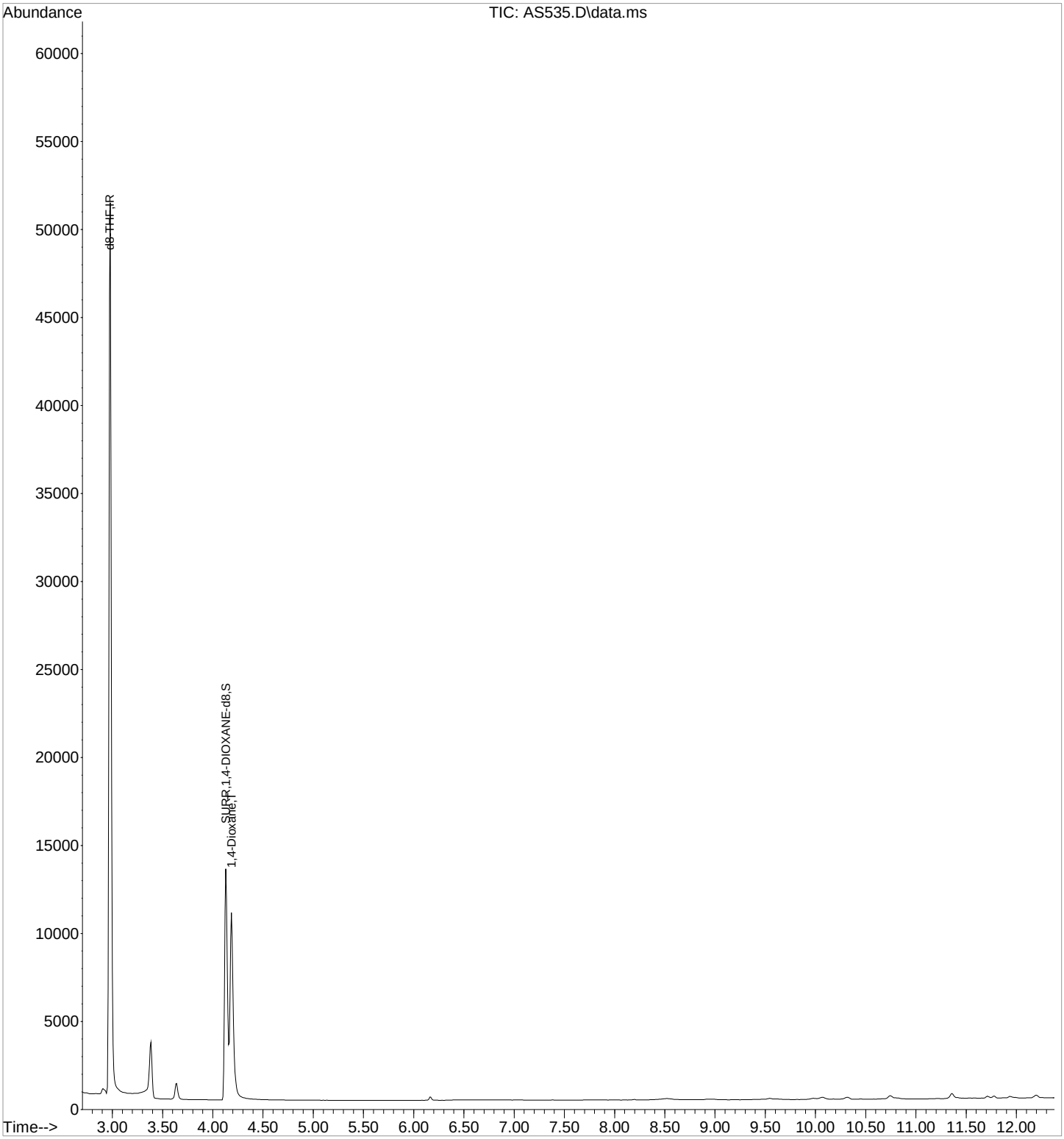
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d8-THF	2.971	46	32737	500.00	PPB	-0.13
System Monitoring Compounds						
3) SURR,1,4-DIOXANE-d8	4.129	96	13830	184.63	PPB	-0.16
Spiked Amount 100.000	Range 70 - 130		Recovery = 184.63%#			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.186	88	14113	180.54	PPB	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\061719\
Data File : AS535.D
Acq On : 17 Jun 2019 3:21 pm
Operator : JMisiurewicz
Sample : CCV Inst : 5975 E
Misc : 200 ppb STD 8270/522
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 18 13:32:28 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\SDIOX030719.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Mar 11 08:01:23 2019
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\5975E\data\061819\
Data File : AS561.D
Acq On : 18 Jun 2019 2:22 pm
Operator : JMisiurewicz
Sample : CCV Inst : 5975 E
Misc : 200 ppb STD 8270D DIOX
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 18 15:25:22 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\SDIOX030719.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Mar 11 08:01:23 2019
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	IR	d8-THF	500.000	500.000	0.0	118	-0.09
2	T	1,4-Dioxane	200.000	179.928	10.0	107	-0.12
3	S	SURR,1,4-DIOXANE-d8	200.000	181.802	9.1	107	-0.12

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\061819\
Data File : AS561.D
Acq On : 18 Jun 2019 2:22 pm
Operator : JMisiurewicz
Sample : CCV Inst : 5975 E
Misc : 200 ppb STD 8270D DIOX
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 18 15:25:22 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\SDIOX030719.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Mar 11 08:01:23 2019
Response via : Initial Calibration

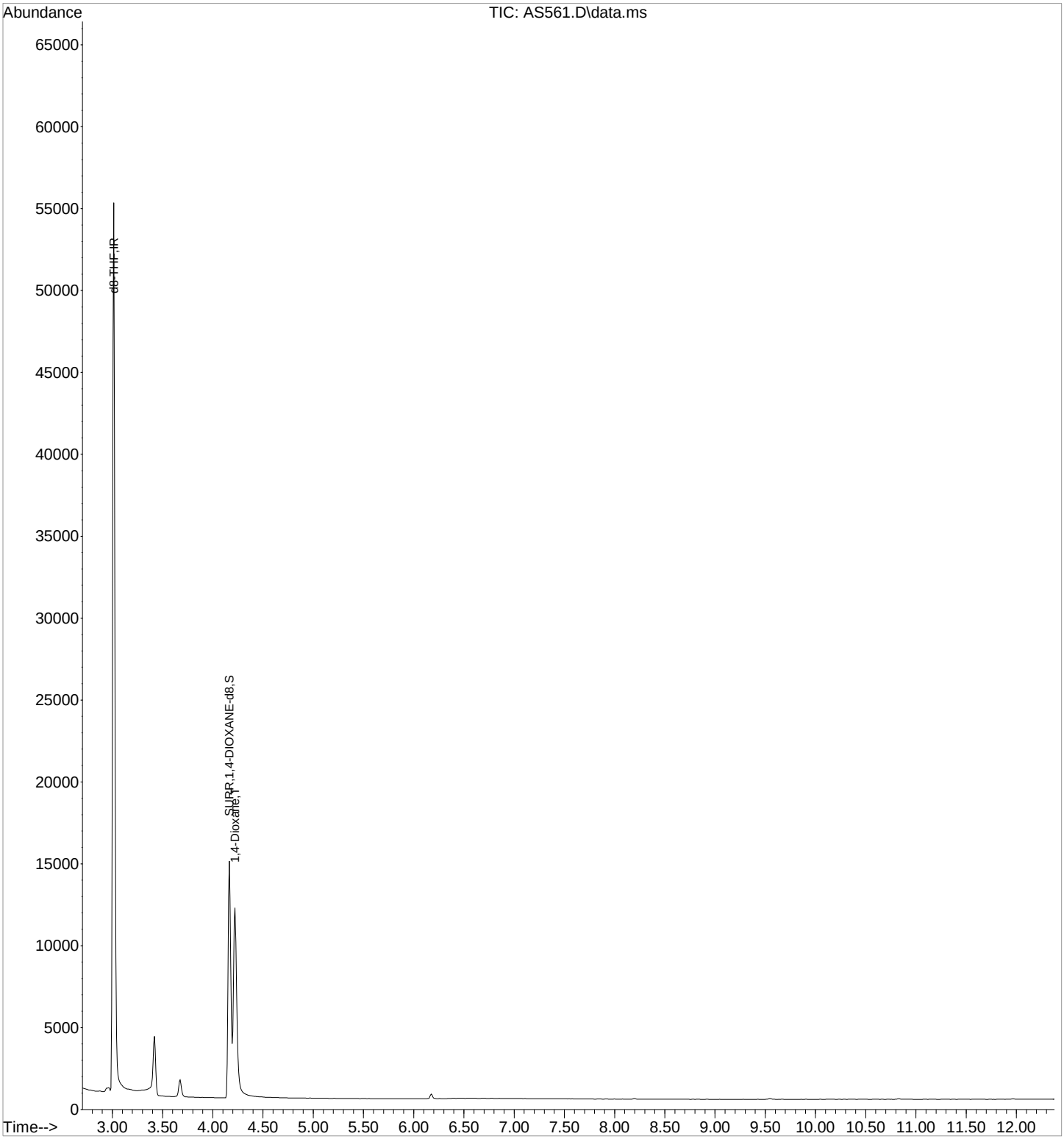
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d8-THF	3.013	46	35860	500.00	PPB	-0.09
System Monitoring Compounds						
3) SURR,1,4-DIOXANE-d8	4.164	96	14917	181.80	PPB	-0.12
Spiked Amount 100.000	Range 70 - 130		Recovery = 181.80%#			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.221	88	15407	179.93	PPB	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\061819\
Data File : AS561.D
Acq On : 18 Jun 2019 2:22 pm
Operator : JMisiurewicz
Sample : CCV Inst : 5975 E
Misc : 200 ppb STD 8270D DIOX
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 18 15:25:22 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\SDIOX030719.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Mar 11 08:01:23 2019
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\5975E\data\062419\
Data File : AS619.D
Acq On : 24 Jun 2019 2:55 pm
Operator : JMisiurewicz
Sample : CCV Inst : 5975 E
Misc : 200 ppb STD 8270D DIOX
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 24 15:09:11 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\SDIOX030719.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Mar 11 08:01:23 2019
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	IR	d8-THF	500.000	500.000	0.0	114	-0.10
2	T	1,4-Dioxane	200.000	176.028	12.0	100	-0.13
3	S	SURR,1,4-DIOXANE-d8	200.000	178.145	10.9	101	-0.13

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\062419\
Data File : AS619.D
Acq On : 24 Jun 2019 2:55 pm
Operator : JMisiurewicz
Sample : CCV Inst : 5975 E
Misc : 200 ppb STD 8270D DIOX
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 24 15:09:11 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\SDIOX030719.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Mar 11 08:01:23 2019
Response via : Initial Calibration

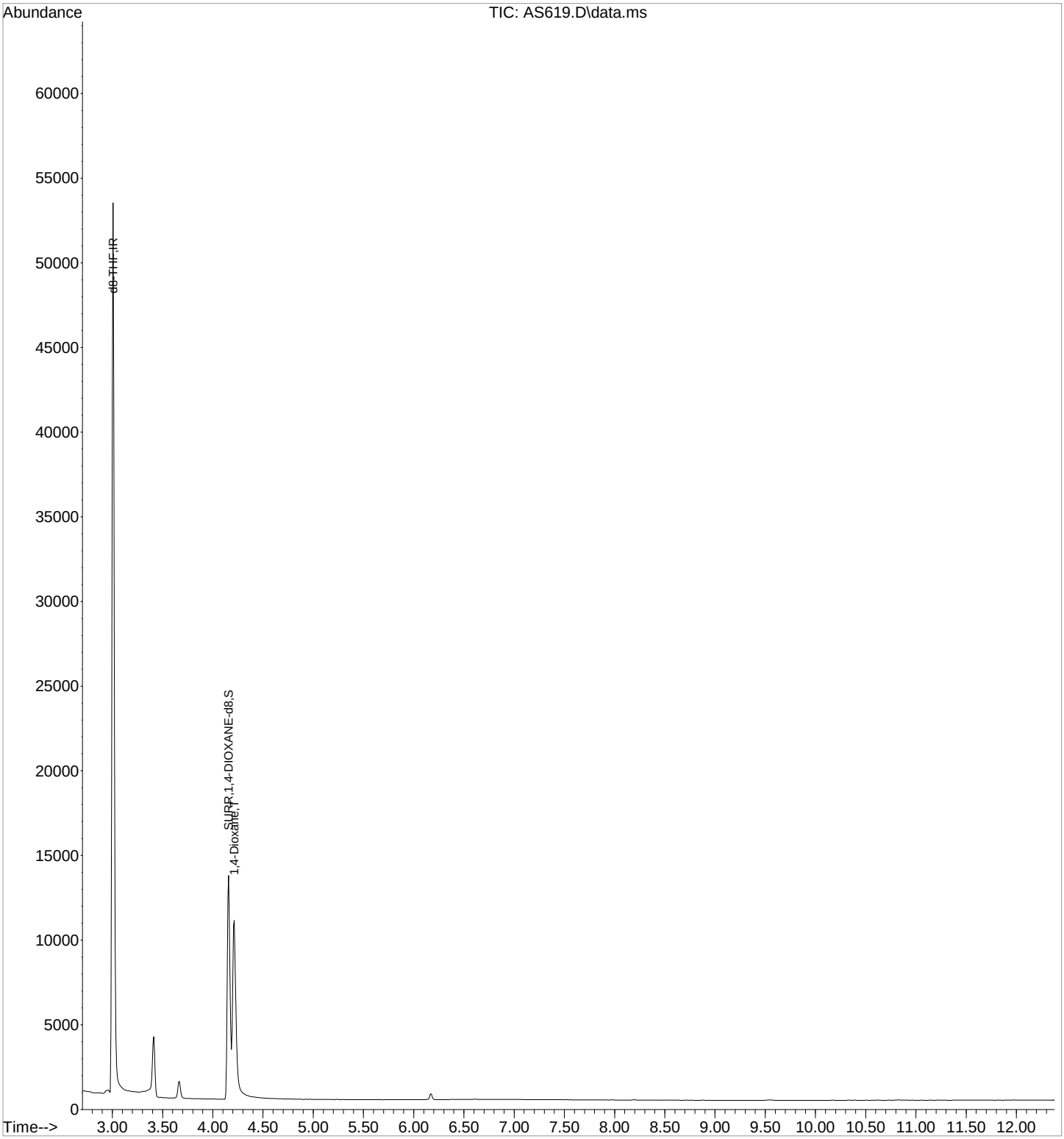
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d8-THF	3.006	46	34442	500.00	PPB	-0.10
System Monitoring Compounds						
3) SURR,1,4-DIOXANE-d8	4.157	96	14038	178.14	PPB	-0.13
Spiked Amount 100.000	Range 70 - 130		Recovery = 178.14%#			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.214	88	14477	176.03	PPB	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\062419\
Data File : AS619.D
Acq On : 24 Jun 2019 2:55 pm
Operator : JMisiurewicz
Sample : CCV Inst : 5975 E
Misc : 200 ppb STD 8270D DIOX
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 24 15:09:11 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\SDIOX030719.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Mar 11 08:01:23 2019
Response via : Initial Calibration

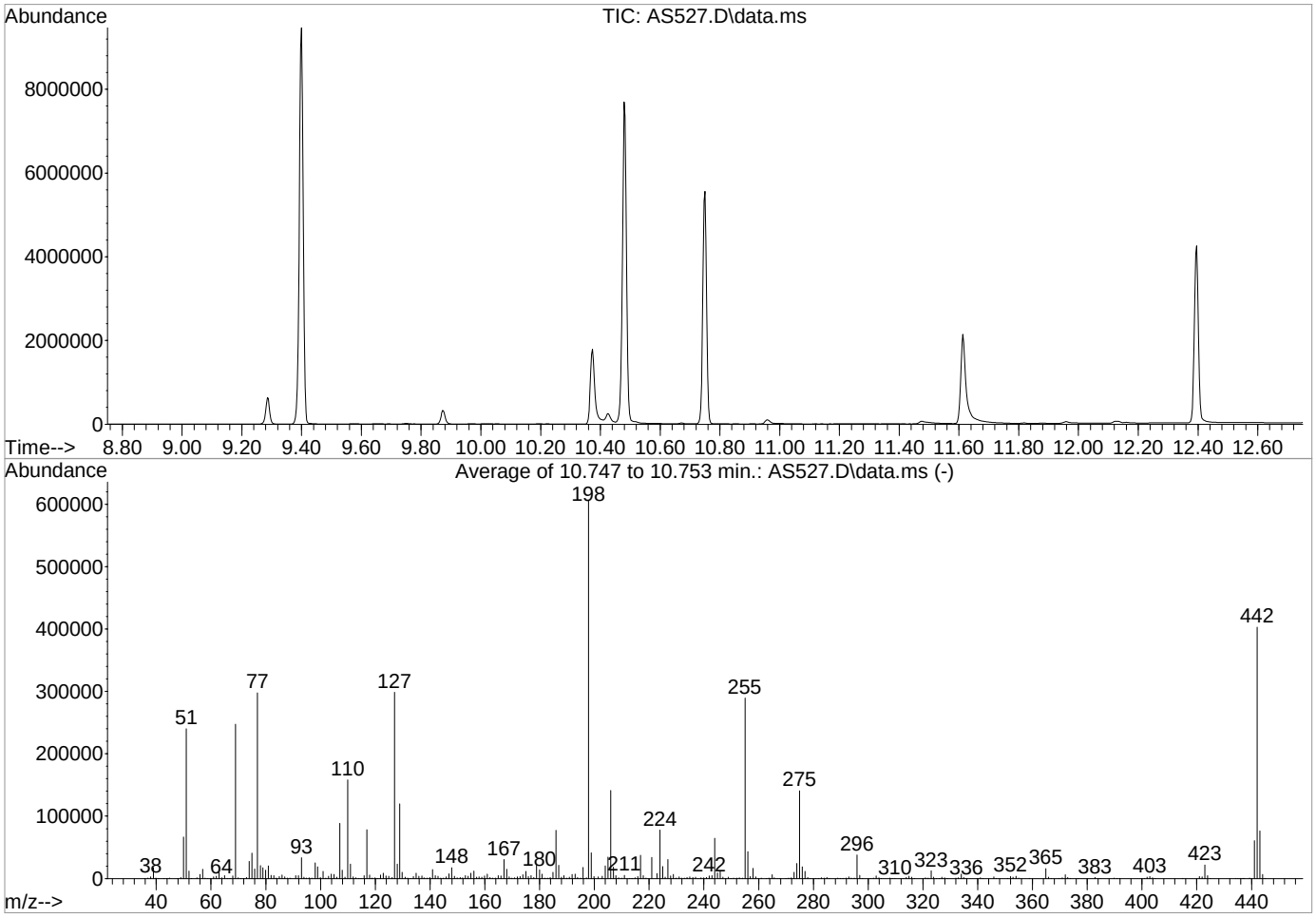


1st JM 06/18/19
2nd MP 06/18/19

Data Path : I:\ACQUDATA\5975E\data\061719\
Data File : AS527.D
Acq On : 17 Jun 2019 12:42 pm
Operator : JMisiurewicz
Sample : TUNE Inst : 5975 E
Misc : DFTPP
ALS Vial : 2 Sample Multiplier: 1

Integration File: events.e

Method : I:\ACQUDATA\5975E\METHODS\DFTPPDIO.M
Title :
Last Update : Thu Mar 07 09:53:27 2019



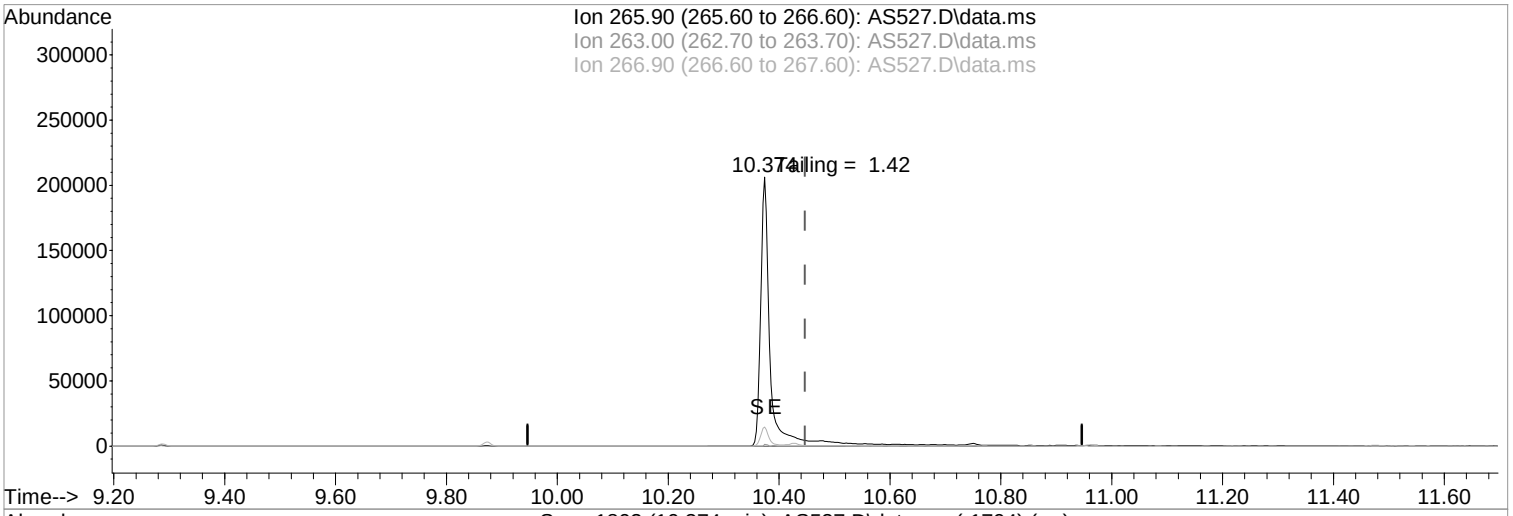
AutoFind: Scans 1930, 1931, 1932; Background Corrected with Scan 1919

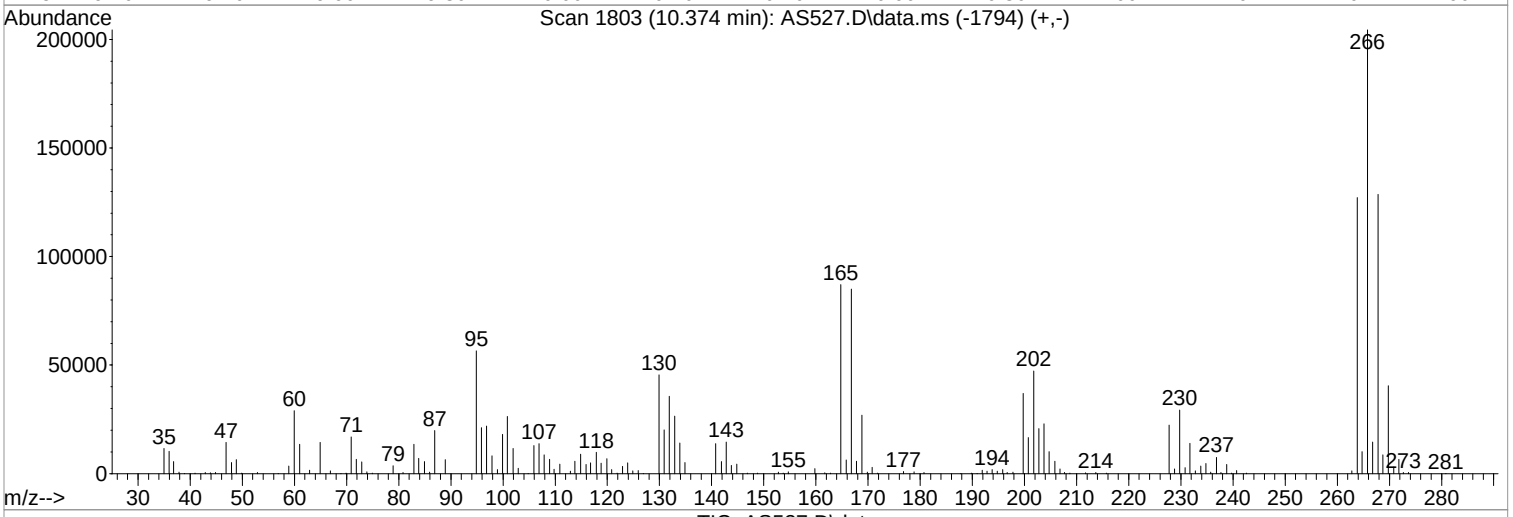
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	39.6	240107	PASS
68	69	0.00	2	1.7	4109	PASS
70	69	0.00	2	0.6	1401	PASS
127	198	10	80	49.3	298667	PASS
197	198	0.00	2	0.2	1004	PASS
198	198	100	100	100.0	605717	PASS
199	198	5	9	6.8	41275	PASS
275	198	10	60	23.3	140848	PASS
365	198	1	500	2.6	15700	PASS
441	442	0.01	24	15.0	60621	PASS
442	442	100	100	100.0	403349	PASS
443	442	15	24	19.0	76440	PASS

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5975E\data\061719\
Data File : AS527.D
Acq On : 17 Jun 2019 12:42 pm
Operator : JMisiurewicz
Sample : TUNE Inst : 5975 E
Misc : DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 17 13:16:22 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\DFTPPDIO.M
Quant Title :
QLast Update : Thu Mar 07 09:53:27 2019
Response via : Initial Calibration





TIC: AS527.D\data.ms

(5) Pentachlorophenol (T)

10.375min (-0.072) 43.57 ppm

response 2184222

Ion	Exp%	Act%
265.90	100.00	100.00
263.00	0.00	0.61
266.90	7.70	7.08
0.00	0.00	0.00

Manual Integration:

After

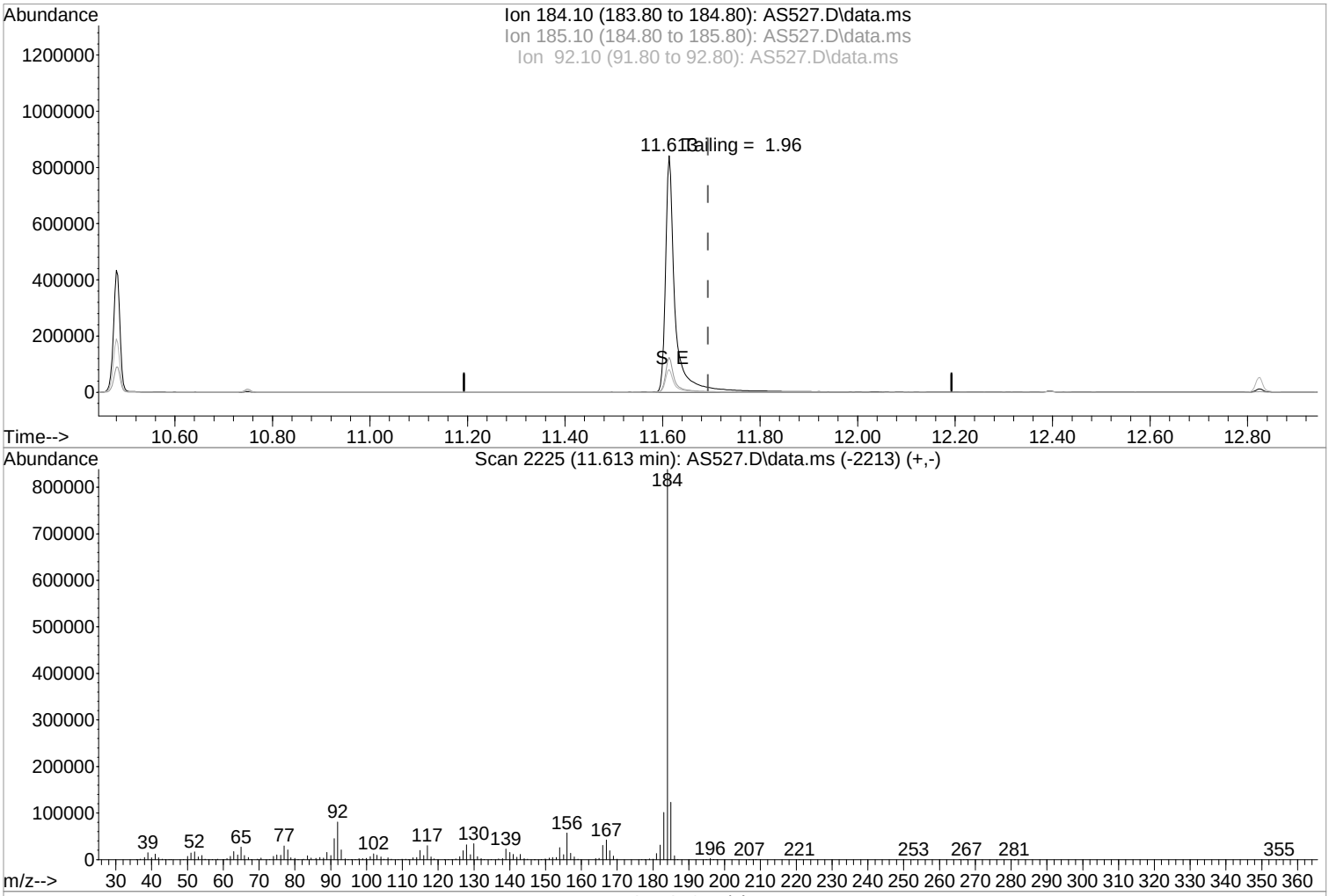
Other - Tailing

06/18/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5975E\data\061719\
Data File : AS527.D
Acq On : 17 Jun 2019 12:42 pm
Operator : JMisiurewicz
Sample : TUNE Inst : 5975 E
Misc : DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 17 13:16:22 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\DFTPPDIO.M
Quant Title :
QLast Update : Thu Mar 07 09:53:27 2019
Response via : Initial Calibration



TIC: AS527.D\data.ms

(8) Benzidine (T)

11.615min (-0.078) 39.77 ppm

response 11064977

Ion	Exp%	Act%
184.10	100.00	100.00
185.10	13.80	14.69
92.10	10.70	9.60
0.00	0.00	0.00

Manual Integration:

After

Other - Tailing

06/18/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\061719\
Data File : AS527.D
Acq On : 17 Jun 2019 12:42 pm
Operator : JMisiurewicz
Sample : TUNE Inst : 5975 E
Misc : DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 17 13:16:22 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\DFTPPDIO.M
Quant Title :
QLast Update : Thu Mar 07 09:53:27 2019
Response via : Initial Calibration

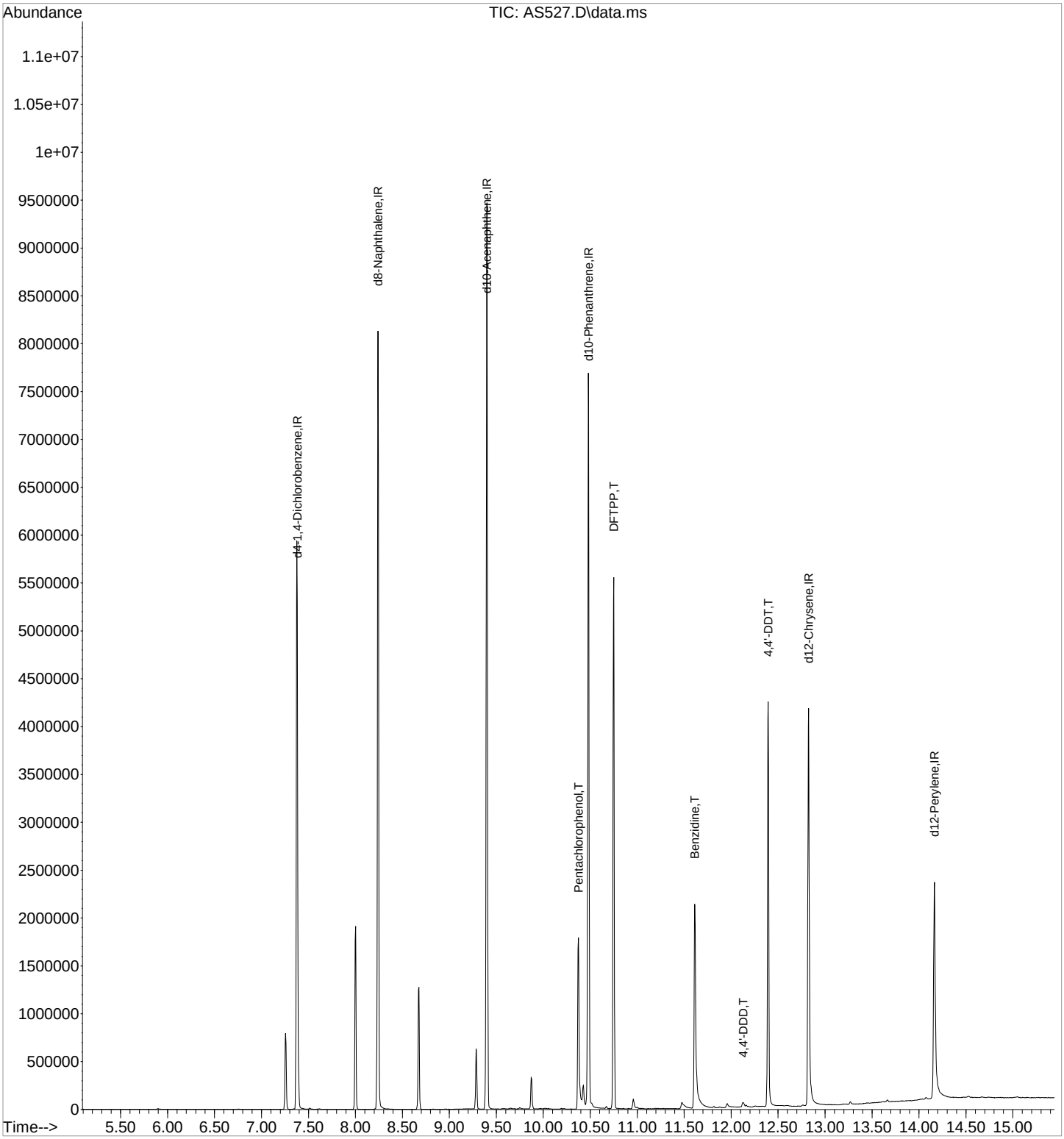
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	7.378	152	9633286	20.00	ppm		-0.07
2) d8-Naphthalene	8.242	136	34197391	20.00	ppm		-0.07
3) d10-Acenaphthene	9.400	164	18493544	20.00	ppm		-0.07
4) d10-Phenanthrene	10.482	188	27014822	20.00	ppm		-0.07
7) d12-Chrysene	12.826	240	15264132	20.00	ppm		-0.08
12) d12-Perylene	14.165	264	10728064	20.00	ppm		-0.10
Target Compounds							Qvalue
5) Pentachlorophenol	10.375	266	2184222	43.57	ppm		98
6) DFTPP	10.750	198	5687827	55.03	ppm	#	71
8) Benzidine	11.615	184	11064977	39.77	ppm		97
9) 4,4'-DDE	0.000		0	N.D.			
10) 4,4'-DDD	12.129	235	96939	0.72	ppm		96
11) 4,4'-DDT	12.396	235	6797964	50.72	ppm		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\061719\
Data File : AS527.D
Acq On : 17 Jun 2019 12:42 pm
Operator : JMisiurewicz
Sample : TUNE Inst : 5975 E
Misc : DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 17 13:16:22 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\DFTPPDIO.M
Quant Title :
QLast Update : Thu Mar 07 09:53:27 2019
Response via : Initial Calibration

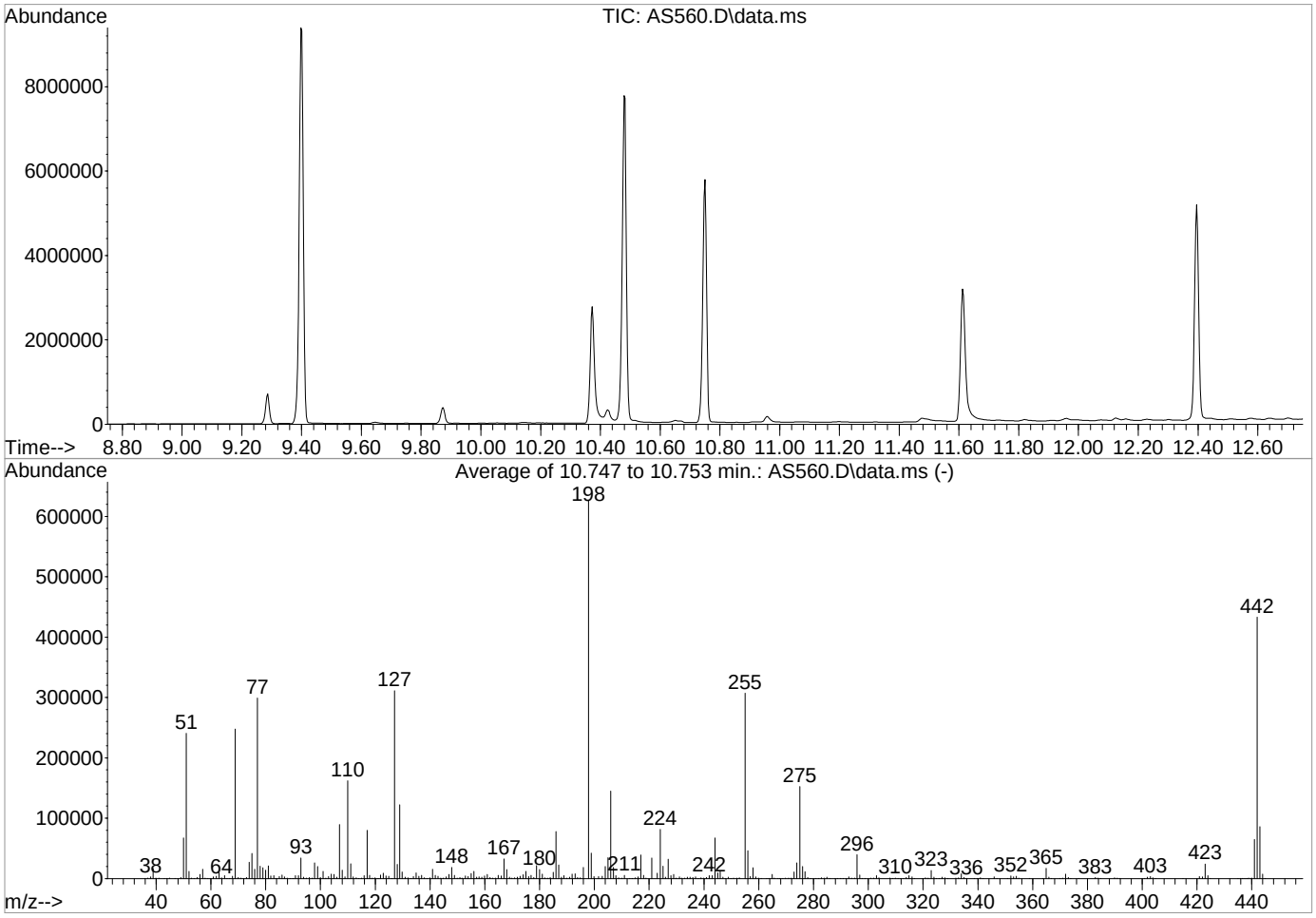


1st JM 06/20/19
2nd MP 06/21/19

Data Path : I:\ACQUDATA\5975E\data\061819\
Data File : AS560.D
Acq On : 18 Jun 2019 1:59 pm
Operator : JMisiurewicz
Sample : TUNE Inst : 5975 E
Misc : DFTPP
ALS Vial : 2 Sample Multiplier: 1

Integration File: events.e

Method : I:\ACQUDATA\5975E\METHODS\DFTPPDIO.M
Title :
Last Update : Thu Mar 07 09:53:27 2019



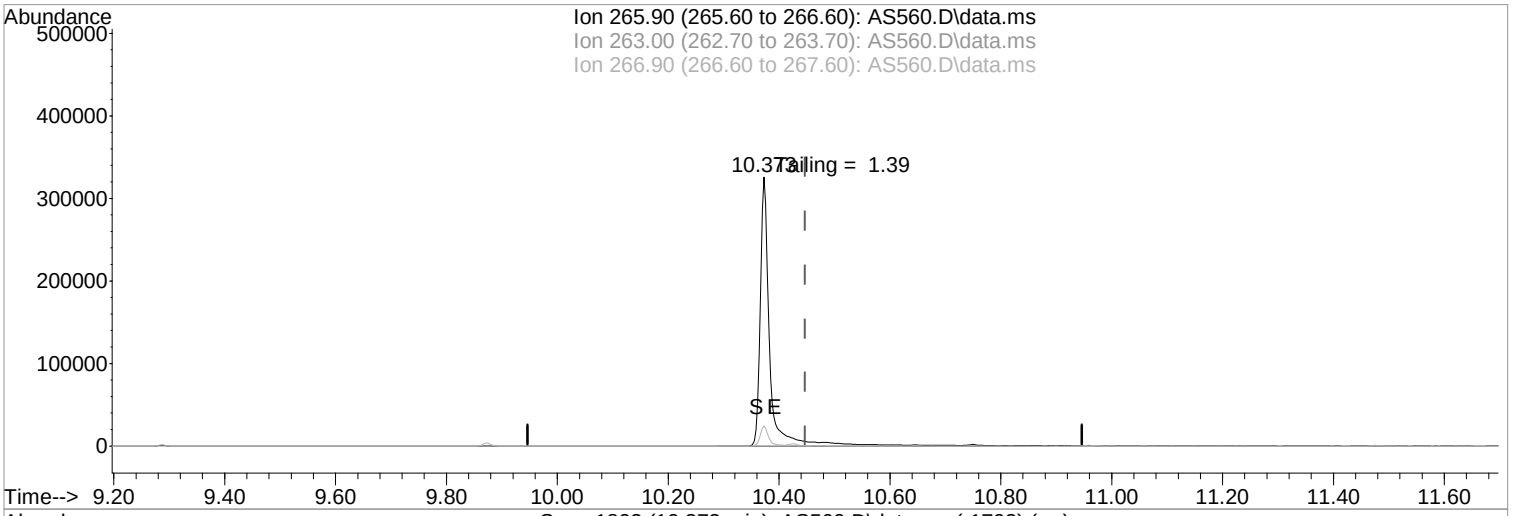
AutoFind: Scans 1929, 1930, 1931; Background Corrected with Scan 1917

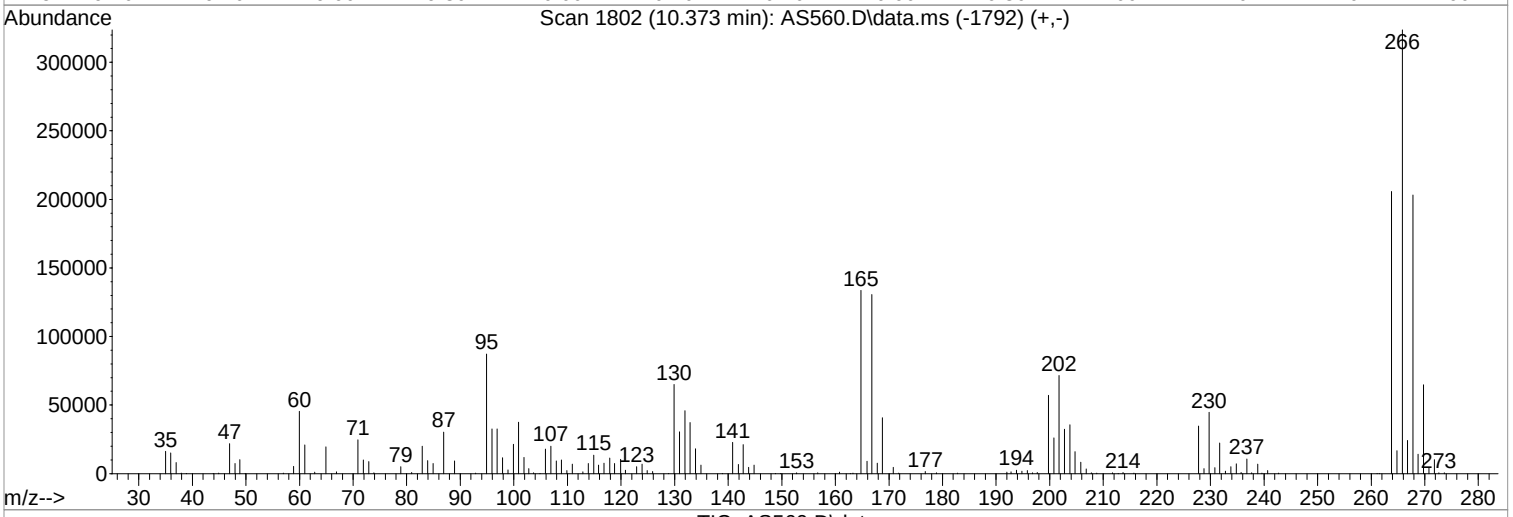
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	38.4	240427	PASS
68	69	0.00	2	1.5	3669	PASS
70	69	0.00	2	0.7	1730	PASS
127	198	10	80	49.7	310935	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	625707	PASS
199	198	5	9	6.7	42221	PASS
275	198	10	60	24.3	152341	PASS
365	198	1	500	2.7	16949	PASS
441	442	0.01	24	15.0	65021	PASS
442	442	100	100	100.0	433024	PASS
443	442	15	24	19.9	86003	PASS

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5975E\data\061819\
Data File : AS560.D
Acq On : 18 Jun 2019 1:59 pm
Operator : JMisiurewicz
Sample : TUNE Inst : 5975 E
Misc : DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 20 11:51:32 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\DFTPPDIO.M
Quant Title :
QLast Update : Thu Mar 07 09:53:27 2019
Response via : Initial Calibration





TIC: AS560.D\data.ms

(5) Pentachlorophenol (T)

10.374min (-0.072) 68.15 ppm

response 3511913

Ion	Exp%	Act%
265.90	100.00	100.00
263.00	0.00	0.00
266.90	7.70	7.44
0.00	0.00	0.00

Manual Integration:

After

Other - Tailing

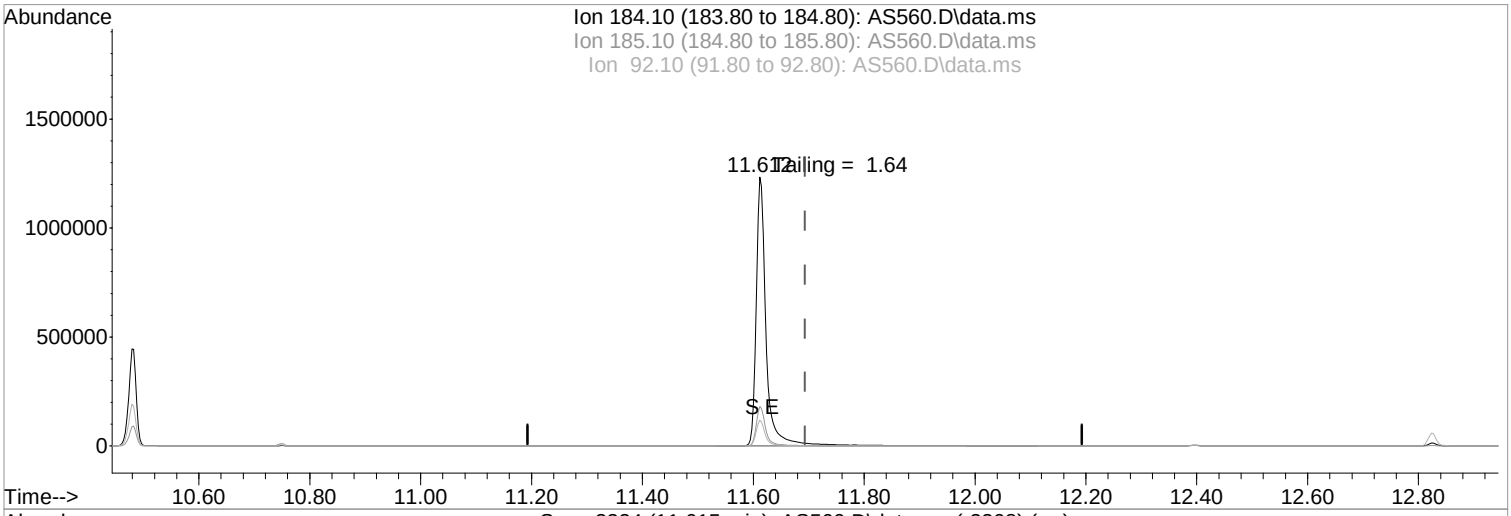
06/20/19

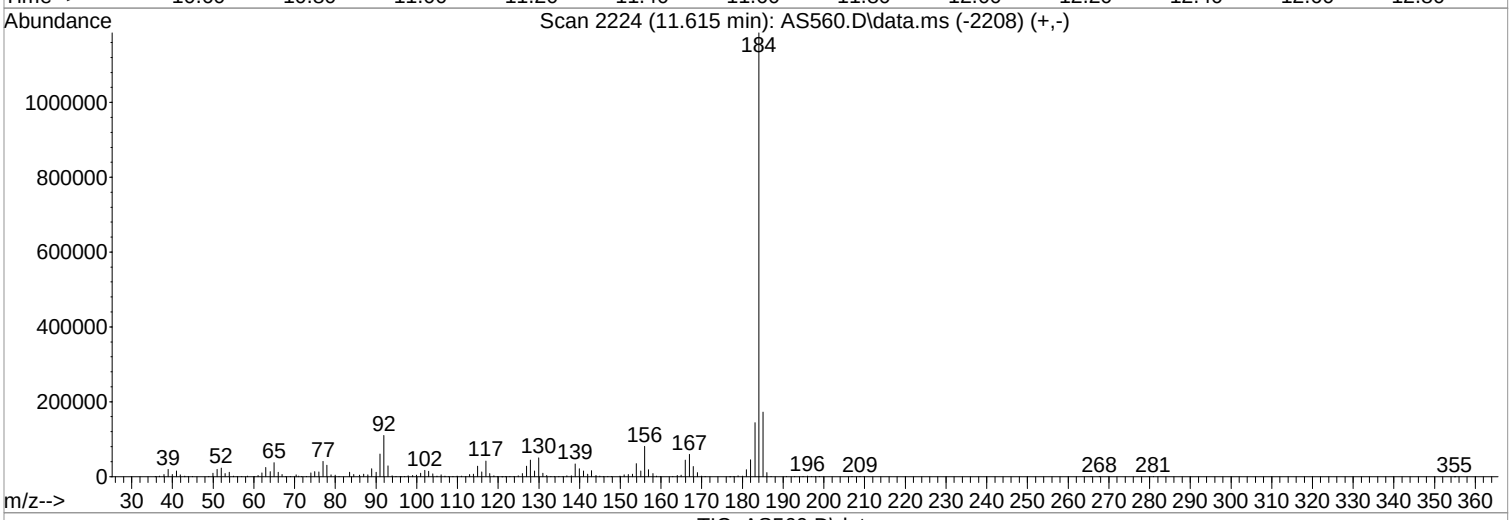
1st JM 06/20/19
2nd MP 06/21/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5975E\data\061819\
Data File : AS560.D
Acq On : 18 Jun 2019 1:59 pm
Operator : JMisiurewicz
Sample : TUNE Inst : 5975 E
Misc : DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 20 11:51:32 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\DFTPPDIO.M
Quant Title :
QLast Update : Thu Mar 07 09:53:27 2019
Response via : Initial Calibration





TIC: AS560.D\data.ms

(8) Benzidine (T)

11.614min (-0.079) 47.76 ppm

response 14583904

Ion	Exp%	Act%
184.10	100.00	100.00
185.10	13.80	14.52
92.10	10.70	9.25
0.00	0.00	0.00

Manual Integration:

After

Other - Tailing

06/20/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\061819\
Data File : AS560.D
Acq On : 18 Jun 2019 1:59 pm
Operator : JMisiurewicz
Sample : TUNE Inst : 5975 E
Misc : DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 20 11:51:32 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\DFTPPDIO.M
Quant Title :
QLast Update : Thu Mar 07 09:53:27 2019
Response via : Initial Calibration

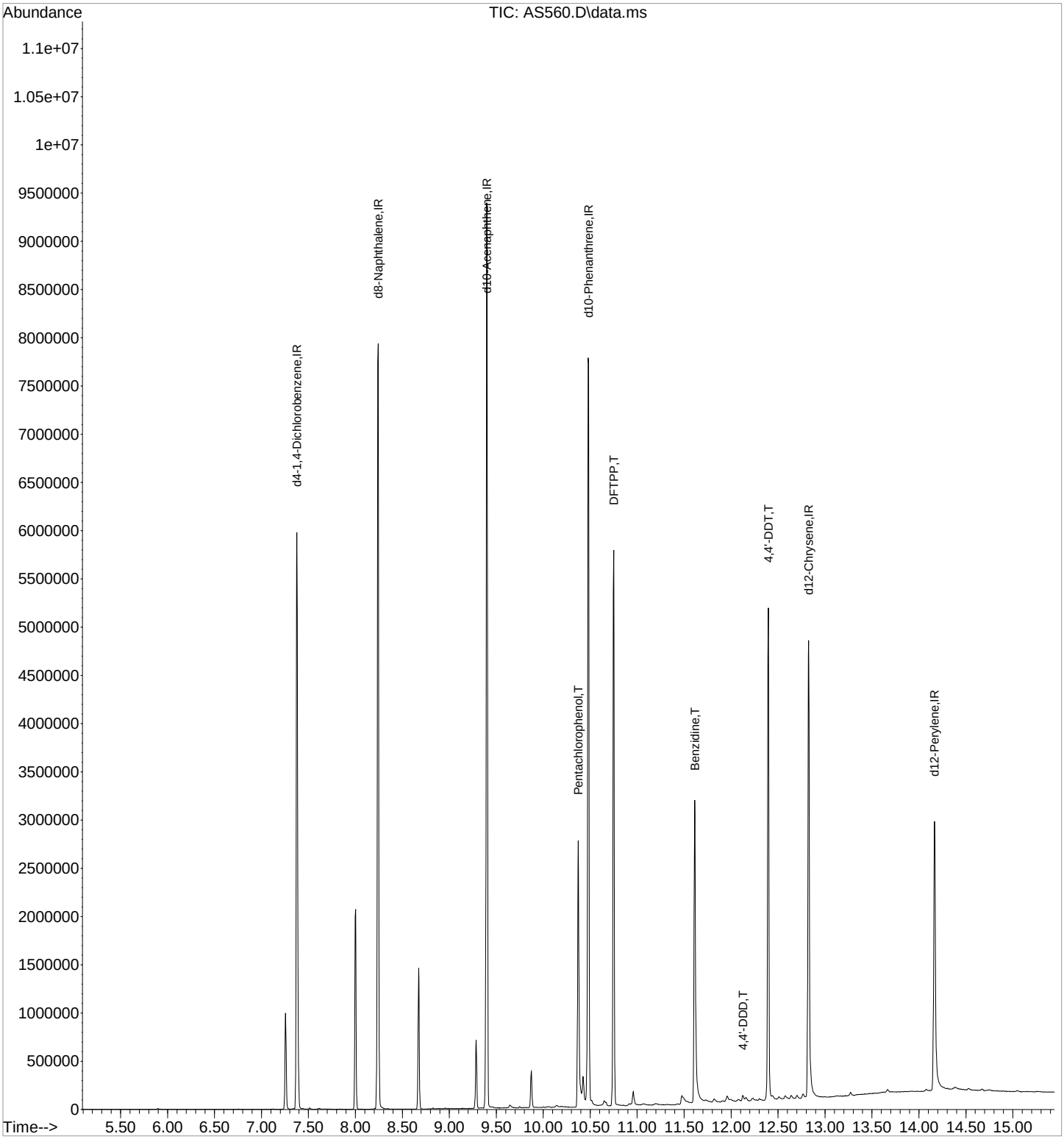
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	7.378	152	9908726	20.00	ppm		-0.07
2) d8-Naphthalene	8.242	136	35319070	20.00	ppm		-0.07
3) d10-Acenaphthene	9.400	164	19017370	20.00	ppm		-0.07
4) d10-Phenanthrene	10.482	188	27768736	20.00	ppm		-0.08
7) d12-Chrysene	12.826	240	16751951	20.00	ppm		-0.08
12) d12-Perylene	14.168	264	12782318	20.00	ppm		-0.10
Target Compounds							Qvalue
5) Pentachlorophenol	10.374	266	3511913	68.15	ppm		99
6) DFTPP	10.750	198	5954184	56.05	ppm	#	73
8) Benzidine	11.614	184	14583904	47.76	ppm		97
9) 4,4'-DDE	0.000		0	N.D.			
10) 4,4'-DDD	12.127	235	126126	0.86	ppm		96
11) 4,4'-DDT	12.397	235	8780753	59.69	ppm		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\061819\
Data File : AS560.D
Acq On : 18 Jun 2019 1:59 pm
Operator : JMisiurewicz
Sample : TUNE Inst : 5975 E
Misc : DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 20 11:51:32 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\DFTPPDIO.M
Quant Title :
QLast Update : Thu Mar 07 09:53:27 2019
Response via : Initial Calibration

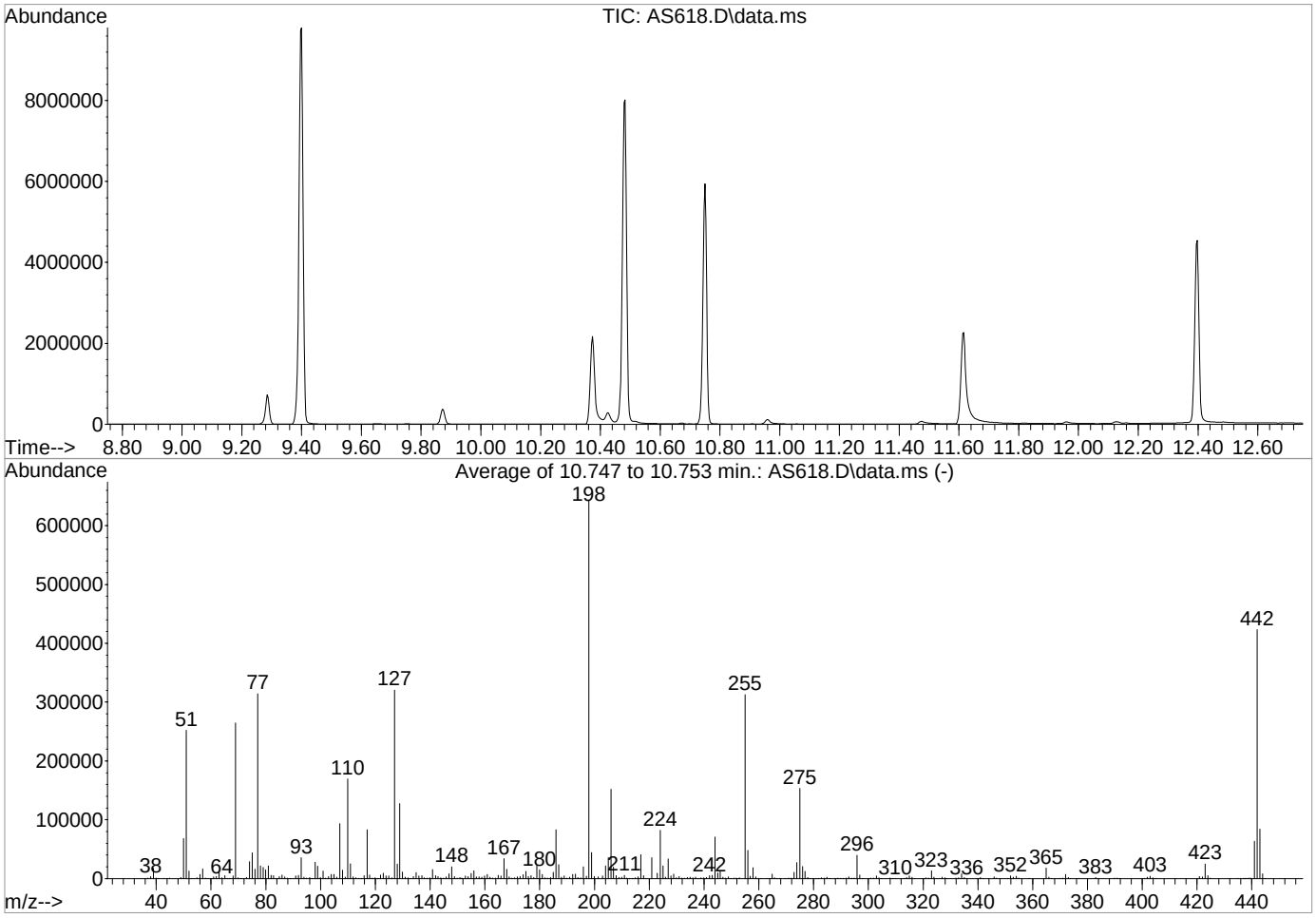


DFTPP

Data Path : I:\ACQUDATA\5975E\data\062419\
Data File : AS618.D
Acq On : 24 Jun 2019 2:30 pm
Operator : JMisiurewicz
Sample : TUNE Inst : 5975 E
Misc : DFTPP
ALS Vial : 2 Sample Multiplier: 1

Integration File: events.e

Method : I:\ACQUDATA\5975E\METHODS\DFTPPDIO.M
Title :
Last Update : Thu Mar 07 09:53:27 2019



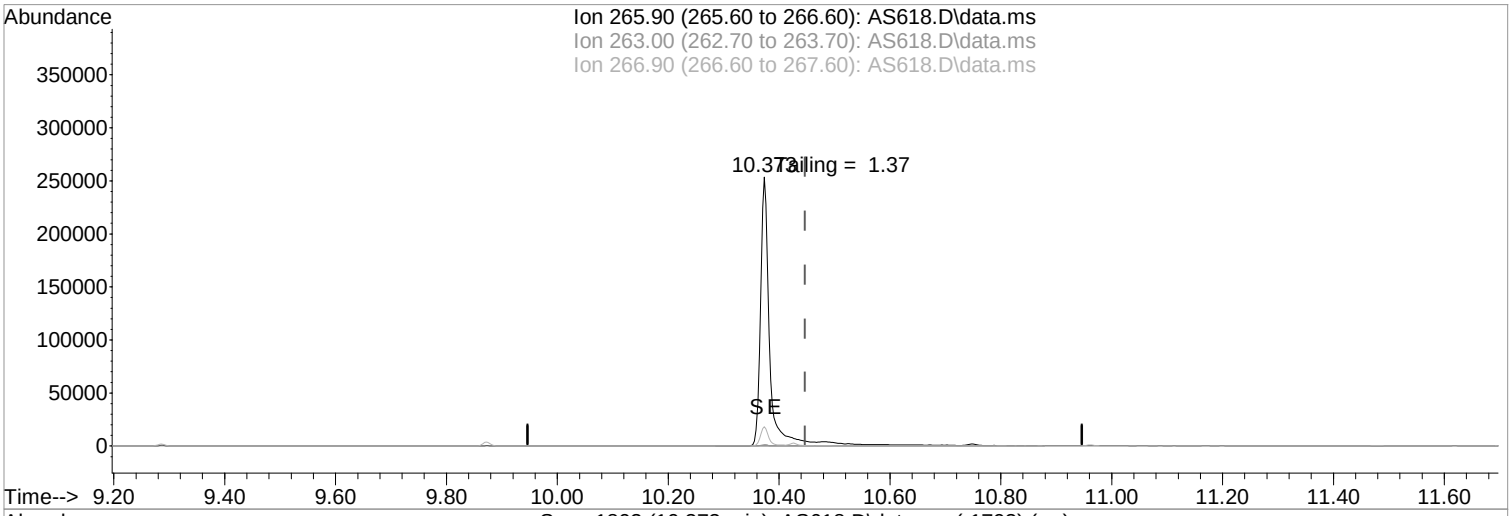
AutoFind: Scans 1930, 1931, 1932; Background Corrected with Scan 1918

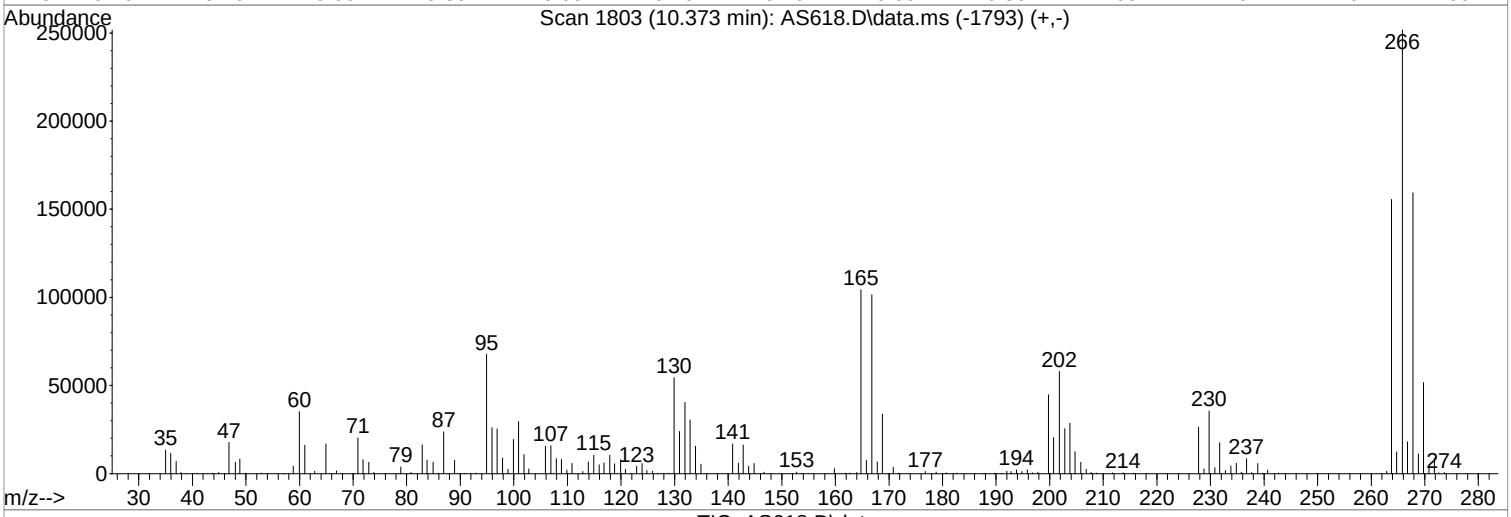
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	39.2	251904	PASS
68	69	0.00	2	1.6	4343	PASS
70	69	0.00	2	0.6	1489	PASS
127	198	10	80	49.9	320299	PASS
197	198	0.00	2	0.6	3696	PASS
198	198	100	100	100.0	642325	PASS
199	198	5	9	6.9	44261	PASS
275	198	10	60	23.8	153152	PASS
365	198	1	500	2.7	17643	PASS
441	442	0.01	24	15.0	63440	PASS
442	442	100	100	100.0	423275	PASS
443	442	15	24	19.8	83877	PASS

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5975E\data\062419\
Data File : AS618.D
Acq On : 24 Jun 2019 2:30 pm
Operator : JMisiurewicz
Sample : TUNE Inst : 5975 E
Misc : DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 24 14:54:01 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\DFTPPDIO.M
Quant Title :
QLast Update : Thu Mar 07 09:53:27 2019
Response via : Initial Calibration





TIC: AS618.D\data.ms

(5) Pentachlorophenol (T)

10.375min (-0.072) 51.24 ppm

response 2731384

Ion	Exp%	Act%
265.90	100.00	100.00
263.00	0.00	0.53
266.90	7.70	7.15
0.00	0.00	0.00

Manual Integration:

After

Other - Tailing

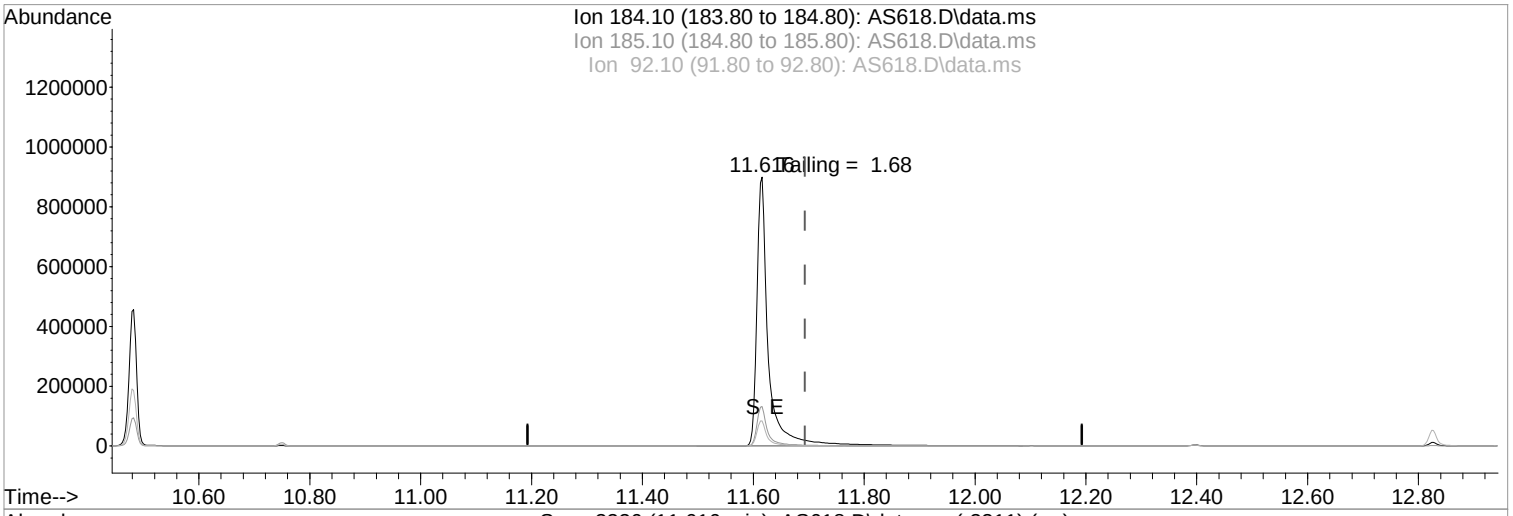
06/26/19

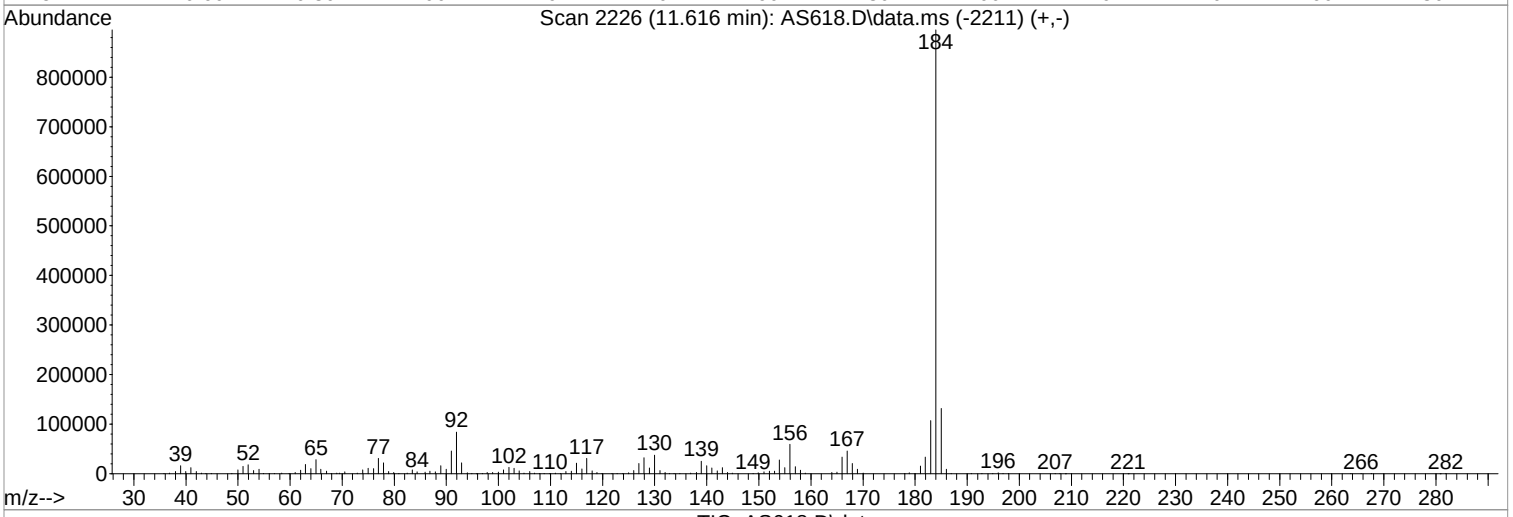
1st JM 06/26/19
2nd BA 06/26/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5975E\data\062419\
Data File : AS618.D
Acq On : 24 Jun 2019 2:30 pm
Operator : JMisiurewicz
Sample : TUNE Inst : 5975 E
Misc : DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 24 14:54:01 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\DFTPPDIO.M
Quant Title :
QLast Update : Thu Mar 07 09:53:27 2019
Response via : Initial Calibration





TIC: AS618.D\data.ms

(8) Benzidine (T)

11.616min (-0.077) 41.72 ppm

response 12171255

Ion	Exp%	Act%
184.10	100.00	100.00
185.10	13.80	14.67
92.10	10.70	9.33
0.00	0.00	0.00

Manual Integration:

After

Other - Tailing

06/26/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\062419\
Data File : AS618.D
Acq On : 24 Jun 2019 2:30 pm
Operator : JMisiurewicz
Sample : TUNE Inst : 5975 E
Misc : DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 24 14:54:01 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\DFTPPDIO.M
Quant Title :
QLast Update : Thu Mar 07 09:53:27 2019
Response via : Initial Calibration

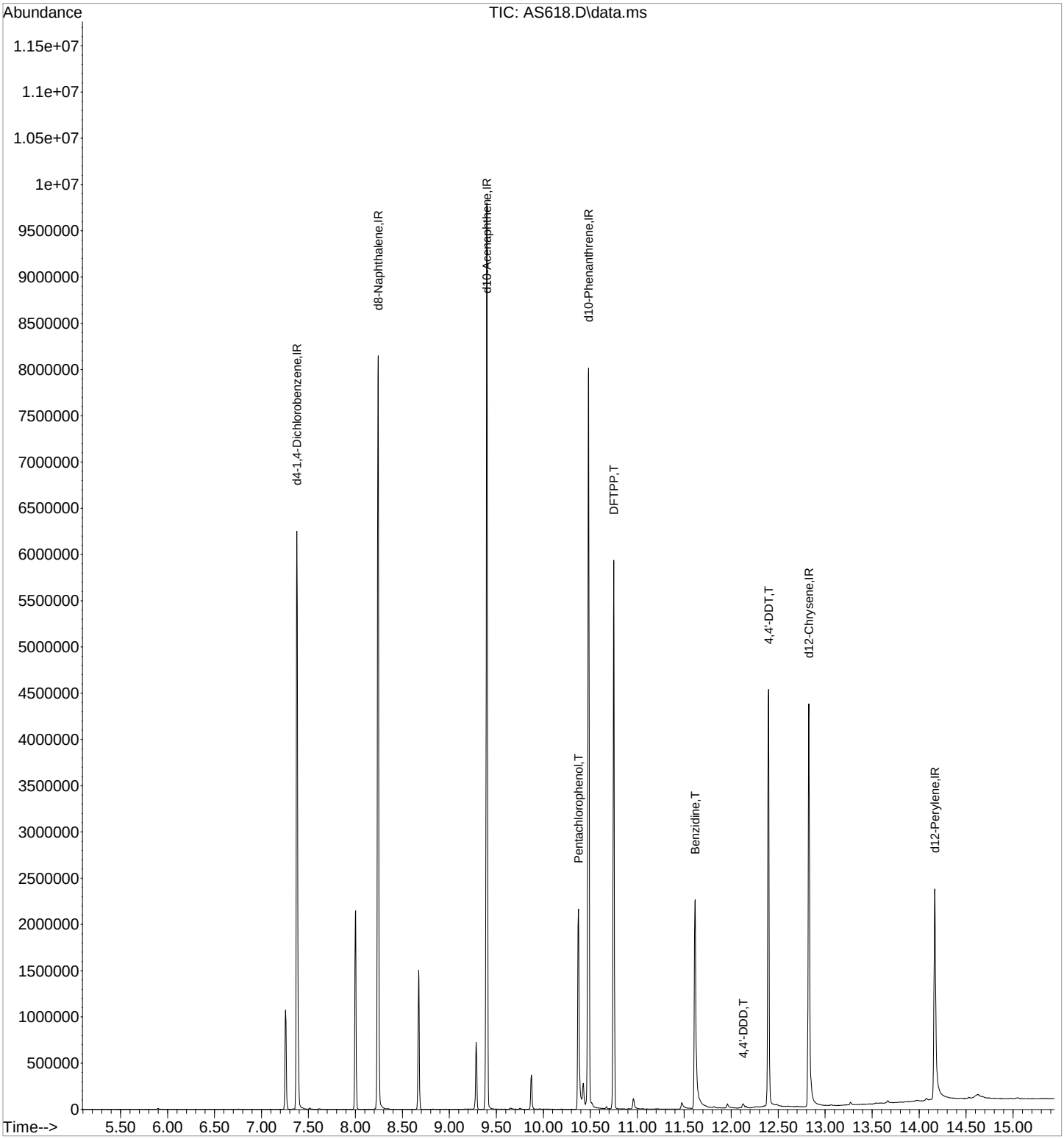
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	7.378	152	10102577	20.00	ppm		-0.07
2) d8-Naphthalene	8.242	136	36316621	20.00	ppm		-0.07
3) d10-Acenaphthene	9.399	164	19661503	20.00	ppm		-0.07
4) d10-Phenanthrene	10.482	188	28727680	20.00	ppm		-0.07
7) d12-Chrysene	12.827	240	16003542	20.00	ppm		-0.08
12) d12-Perylene	14.168	264	11074296	20.00	ppm		-0.10
Target Compounds							Qvalue
5) Pentachlorophenol	10.375	266	2731384	51.24	ppm		98
6) DFTPP	10.751	198	6036060	54.92	ppm	#	71
8) Benzidine	11.616	184	12171255	41.72	ppm		97
9) 4,4'-DDE	0.000		0	N.D.			
10) 4,4'-DDD	12.128	235	86215	0.61	ppm		90
11) 4,4'-DDT	12.398	235	7751237	55.16	ppm		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\062419\
Data File : AS618.D
Acq On : 24 Jun 2019 2:30 pm
Operator : JMisiurewicz
Sample : TUNE Inst : 5975 E
Misc : DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 24 14:54:01 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\DFTPPDIO.M
Quant Title :
QLast Update : Thu Mar 07 09:53:27 2019
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\030719\
Data File : AR889.D
Acq On : 7 Mar 2019 1:02 pm
Operator : J.Misiurewicz
Sample : ICV Inst : 5975 E
Misc : Initial Calibration 522/8270D DIOX
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 11 08:02:51 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\SDIOX030719.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Mar 11 08:01:23 2019
Response via : Initial Calibration

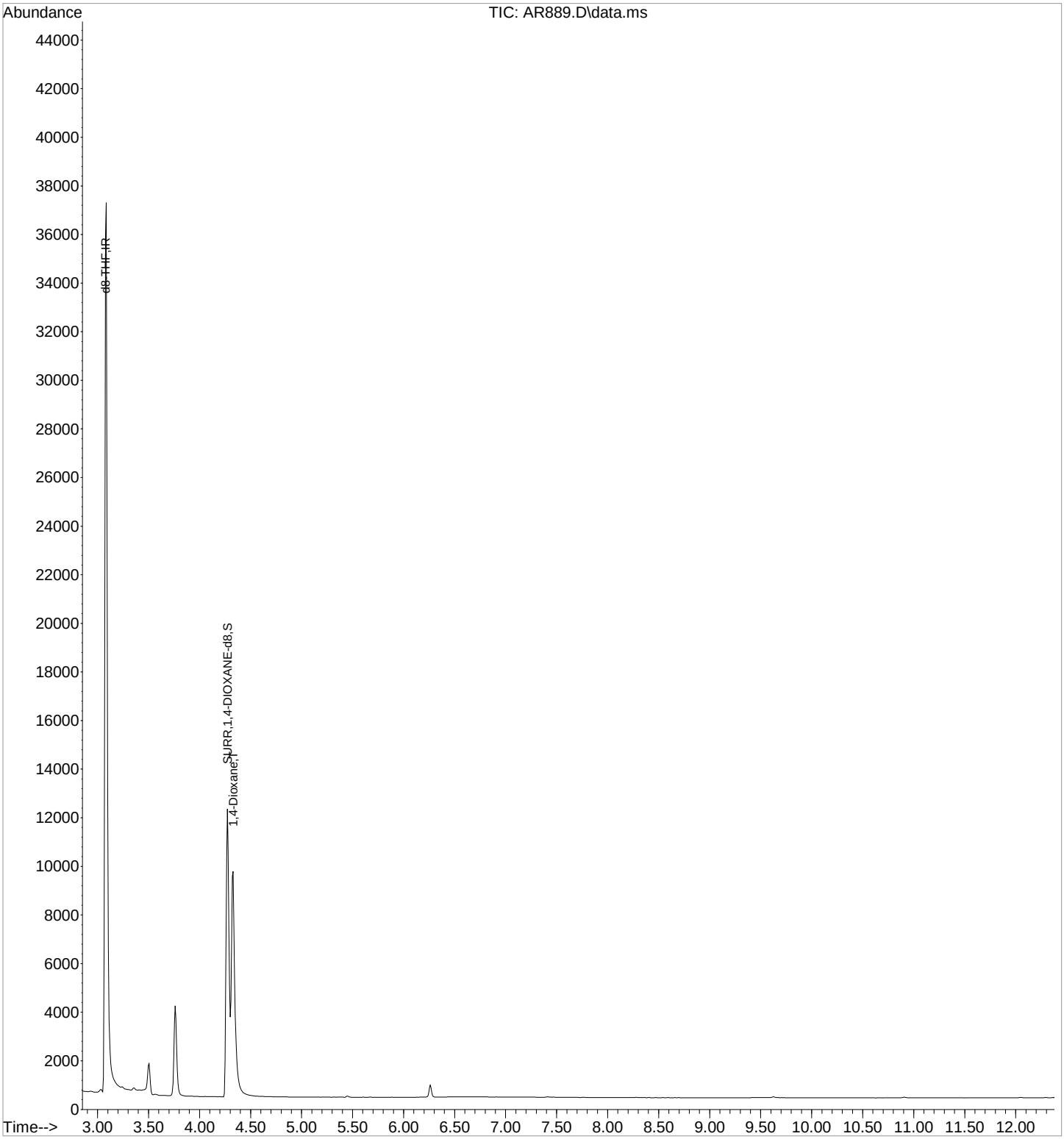
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d8-THF	3.078	46	26221	500.00	PPB	-0.02
System Monitoring Compounds						
3) SURR,1,4-DIOXANE-d8	4.272	96	12949	215.71	PPB	-0.02
Spiked Amount 100.000	Range 70 - 130		Recovery = 215.71%#			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.329	88	13104	209.28	PPB	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\030719\
Data File : AR889.D
Acq On : 7 Mar 2019 1:02 pm
Operator : J.Misiurewicz
Sample : ICV Inst : 5975 E
Misc : Initial Calibration 522/8270D DIOX
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 11 08:02:51 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\SDIOX030719.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Mar 11 08:01:23 2019
Response via : Initial Calibration

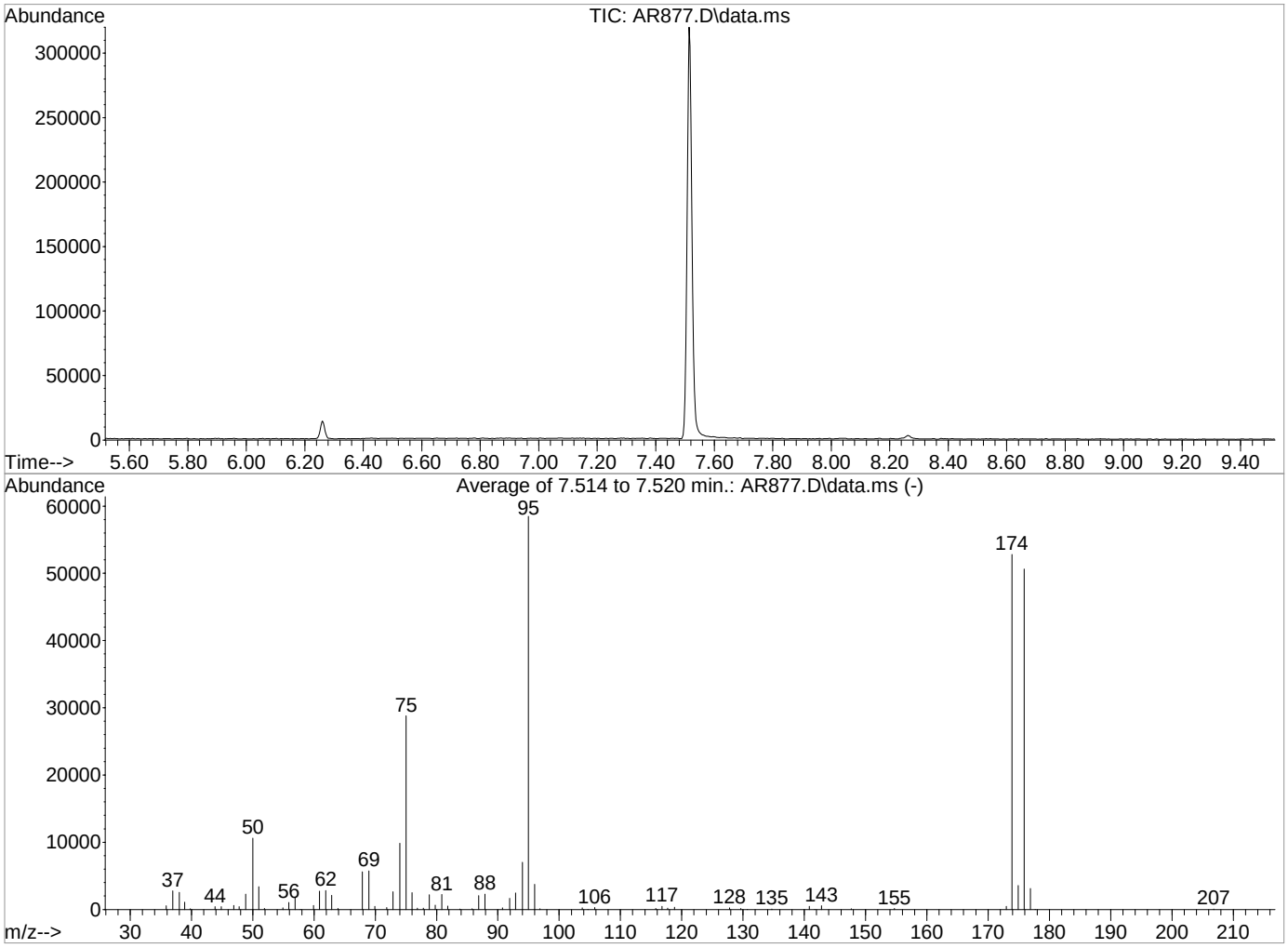


1st DM 03/11/19
2nd BA 03/12/19

Data Path : I:\ACQUDATA\5975E\data\030719\
Data File : AR877.D
Acq On : 7 Mar 2019 8:48 am
Operator : J.Misiurewicz
Sample : TUNE Inst : 5975 E
Misc : BFB
ALS Vial : 2 Sample Multiplier: 1

Integration File: events.e

Method : I:\ACQUDATA\5975E\METHODS\bfbtune.M
Title :
Last Update : Wed Mar 28 08:41:26 2012



AutoFind: Scans 828, 829, 830; Background Corrected with Scan 818

AUTOFIND via AUTOINTEGRATE

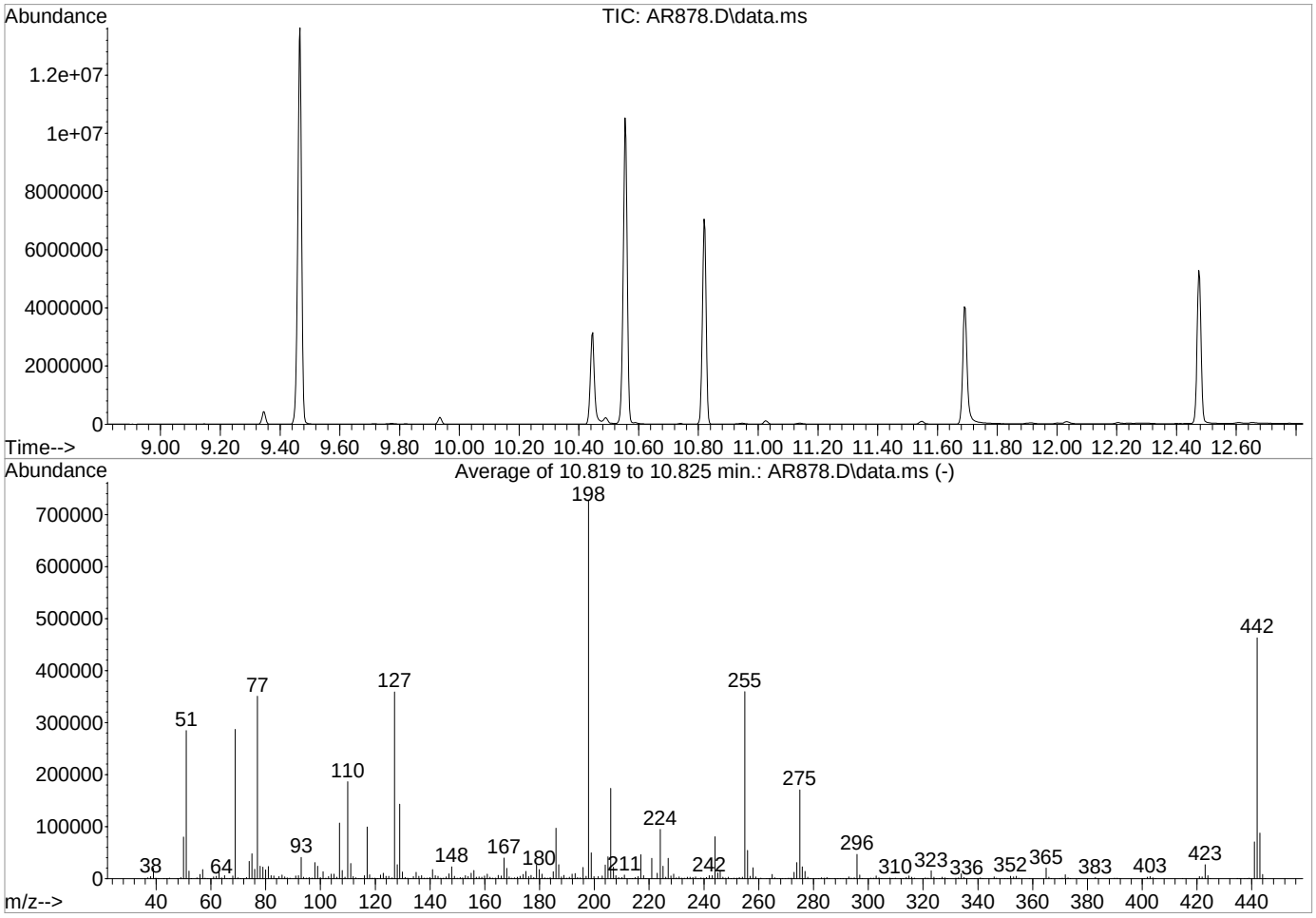
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.1	10608	PASS
75	95	30	60	49.2	28795	PASS
95	95	100	100	100.0	58496	PASS
96	95	5	9	6.4	3754	PASS
173	174	0.00	2	0.9	453	PASS
174	95	50	100	90.3	52795	PASS
175	174	5	9	6.7	3552	PASS
176	174	95	101	95.9	50645	PASS
177	176	5	9	6.2	3119	PASS

DFTPP

Data Path : I:\ACQUDATA\5975E\data\030719\
Data File : AR878.D
Acq On : 7 Mar 2019 9:26 am
Operator : J.Misiurewicz
Sample : TUNE Inst : 5975 E
Misc : DFTPP
ALS Vial : 3 Sample Multiplier: 1

Integration File: events.e

Method : I:\ACQUDATA\5975E\METHODS\DFTPPDIO.M
Title :
Last Update : Thu Mar 07 09:53:27 2019



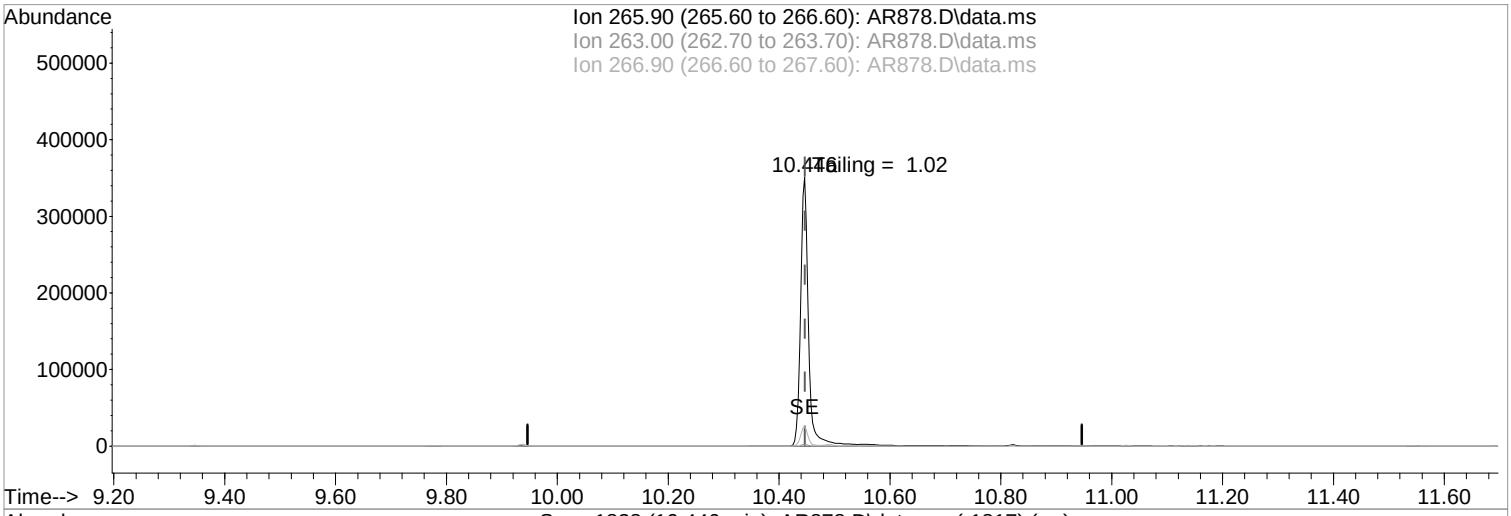
AutoFind: Scans 1955, 1956, 1957; Background Corrected with Scan 1944

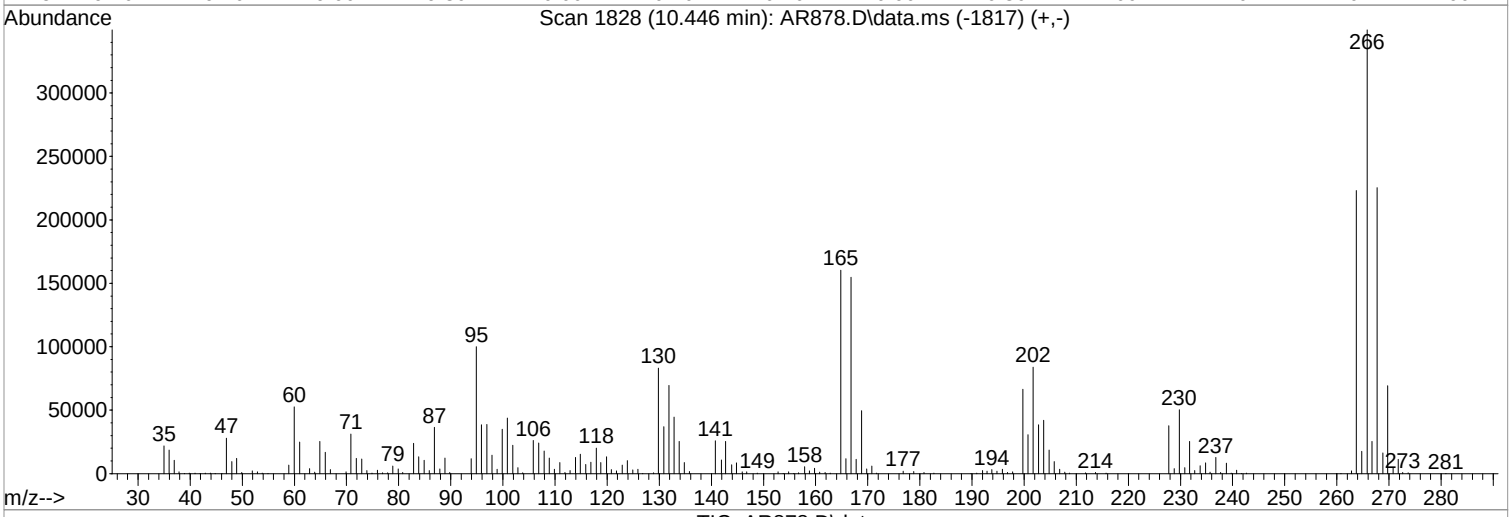
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	39.2	284437	PASS
68	69	0.00	2	1.7	4731	PASS
70	69	0.00	2	0.6	1594	PASS
127	198	10	80	49.4	358763	PASS
197	198	0.00	2	0.6	4573	PASS
198	198	100	100	100.0	726443	PASS
199	198	5	9	6.8	49555	PASS
275	198	10	60	23.5	170368	PASS
365	198	1	500	2.8	20440	PASS
441	442	0.01	24	15.2	70493	PASS
442	442	100	100	100.0	463019	PASS
443	442	15	24	18.9	87381	PASS

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5975E\data\030719\
Data File : AR878.D
Acq On : 7 Mar 2019 9:26 am
Operator : J.Misiurewicz
Sample : TUNE Inst : 5975 E
Misc : DFTPP
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 07 09:53:50 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\DFTPPDIO.M
Quant Title :
QLast Update : Thu Mar 07 09:53:27 2019
Response via : Initial Calibration





TIC: AR878.D\data.ms

(5) Pentachlorophenol (T)

10.447min (-0.000) 49.98 ppm

response 3365802

Ion	Exp%	Act%
265.90	100.00	100.00
263.00	0.00	0.40
266.90	7.70	7.22
0.00	0.00	0.00

Manual Integration:

After

Other - Tailing

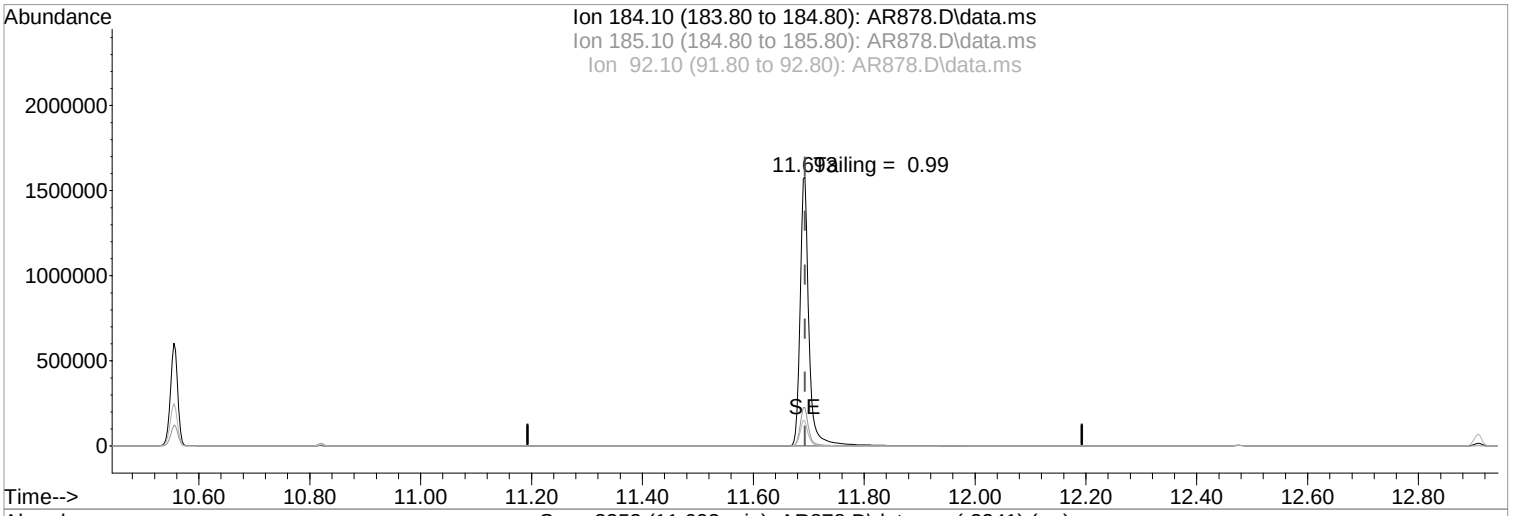
03/07/19

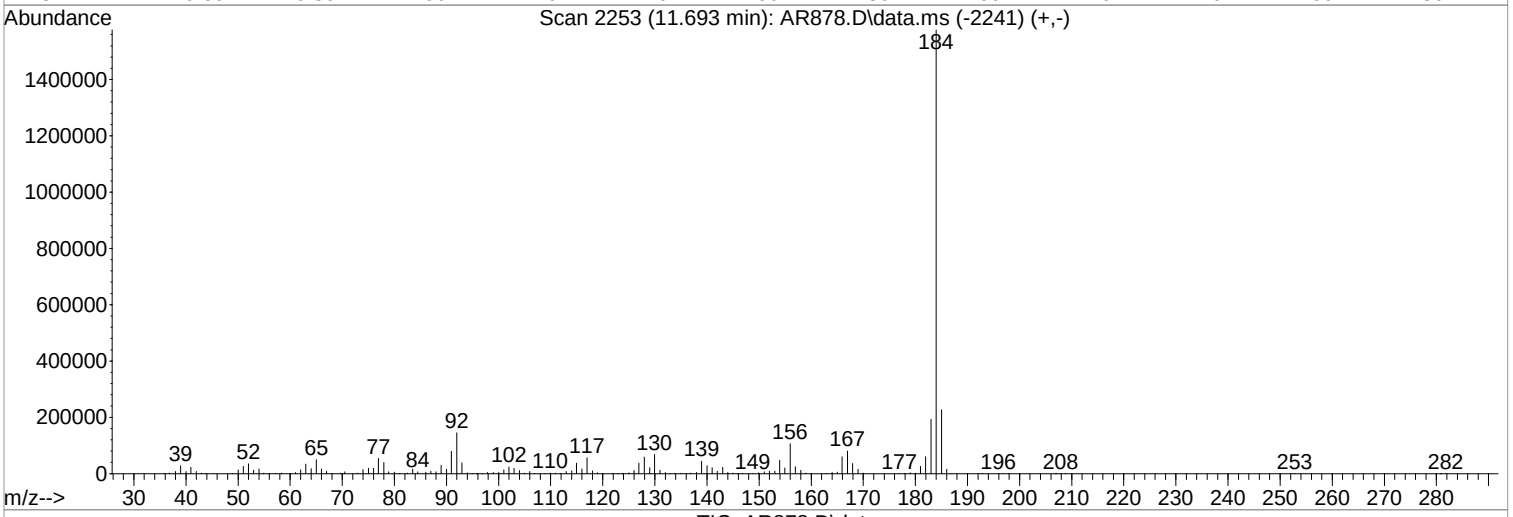
1st DM 03/11/19
2nd BA 03/12/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\5975E\data\030719\
Data File : AR878.D
Acq On : 7 Mar 2019 9:26 am
Operator : J.Misiurewicz
Sample : TUNE Inst : 5975 E
Misc : DFTPP
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 07 09:53:50 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\DFTPPDIO.M
Quant Title :
QLast Update : Thu Mar 07 09:53:27 2019
Response via : Initial Calibration





TIC: AR878.D\data.ms

(8) Benzidine (T)

11.693min (-0.000) 50.02 ppm

response 17095336

Ion	Exp%	Act%
184.10	100.00	100.00
185.10	13.80	14.35
92.10	10.70	9.20
0.00	0.00	0.00

Manual Integration:

After

Other - Tailing

03/07/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\030719\
Data File : AR878.D
Acq On : 7 Mar 2019 9:26 am
Operator : J.Misiurewicz
Sample : TUNE Inst : 5975 E
Misc : DFTPP
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 07 09:53:50 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\DFTPPDIO.M
Quant Title :
QLast Update : Thu Mar 07 09:53:27 2019
Response via : Initial Calibration

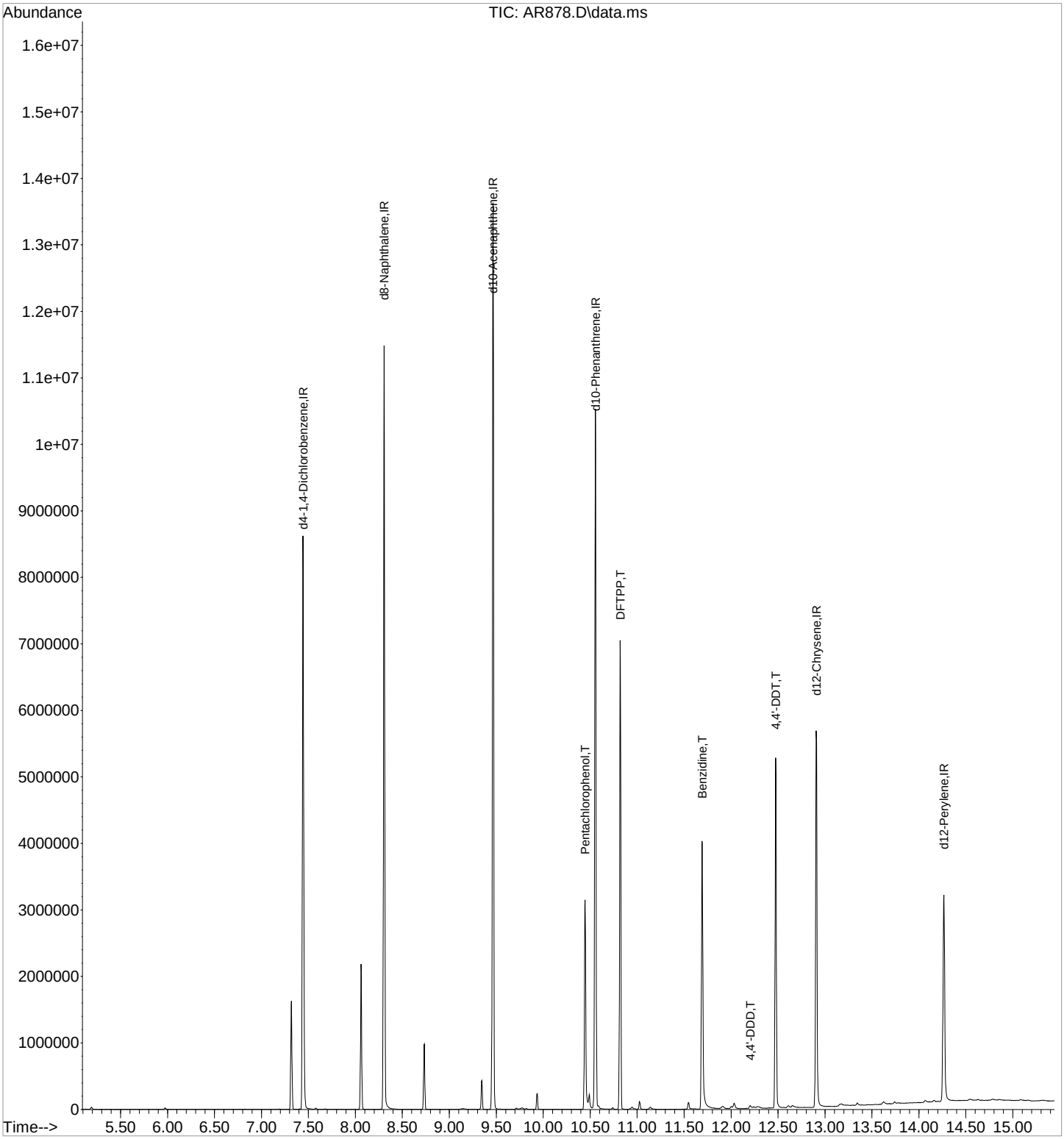
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) d4-1,4-Dichlorobenzene	7.444	152	13155341	20.00	ppm		0.00
2) d8-Naphthalene	8.308	136	46323987	20.00	ppm		0.00
3) d10-Acenaphthene	9.467	164	25822964	20.00	ppm		0.00
4) d10-Phenanthrene	10.557	188	36290290	20.00	ppm		0.00
7) d12-Chrysene	12.909	240	18750575	20.00	ppm		0.00
12) d12-Perylene	14.267	264	13019042	20.00	ppm		0.00
Target Compounds							Qvalue
5) Pentachlorophenol	10.447	266	3365802	49.98	ppm		99
6) DFTPP	10.821	198	6942205	50.00	ppm	#	70
8) Benzidine	11.693	184	17095336	50.02	ppm		97
9) 4,4'-DDE	0.000		0	N.D.			
10) 4,4'-DDD	12.205	235	68491	0.42	ppm		95
11) 4,4'-DDT	12.477	235	8237188	50.03	ppm		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\030719\
Data File : AR878.D
Acq On : 7 Mar 2019 9:26 am
Operator : J.Misiurewicz
Sample : TUNE Inst : 5975 E
Misc : DFTPP
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 07 09:53:50 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\DFTPPDIO.M
Quant Title :
QLast Update : Thu Mar 07 09:53:27 2019
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\030719\
Data File : AR879.D
Acq On : 7 Mar 2019 9:57 am
Operator : J.Misiurewicz
Sample : BLK Inst : 5975 E
Misc : Initial Calibration 522/8270D DIOX
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 11 08:02:24 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\SDIOX030719.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Mar 11 08:01:23 2019
Response via : Initial Calibration

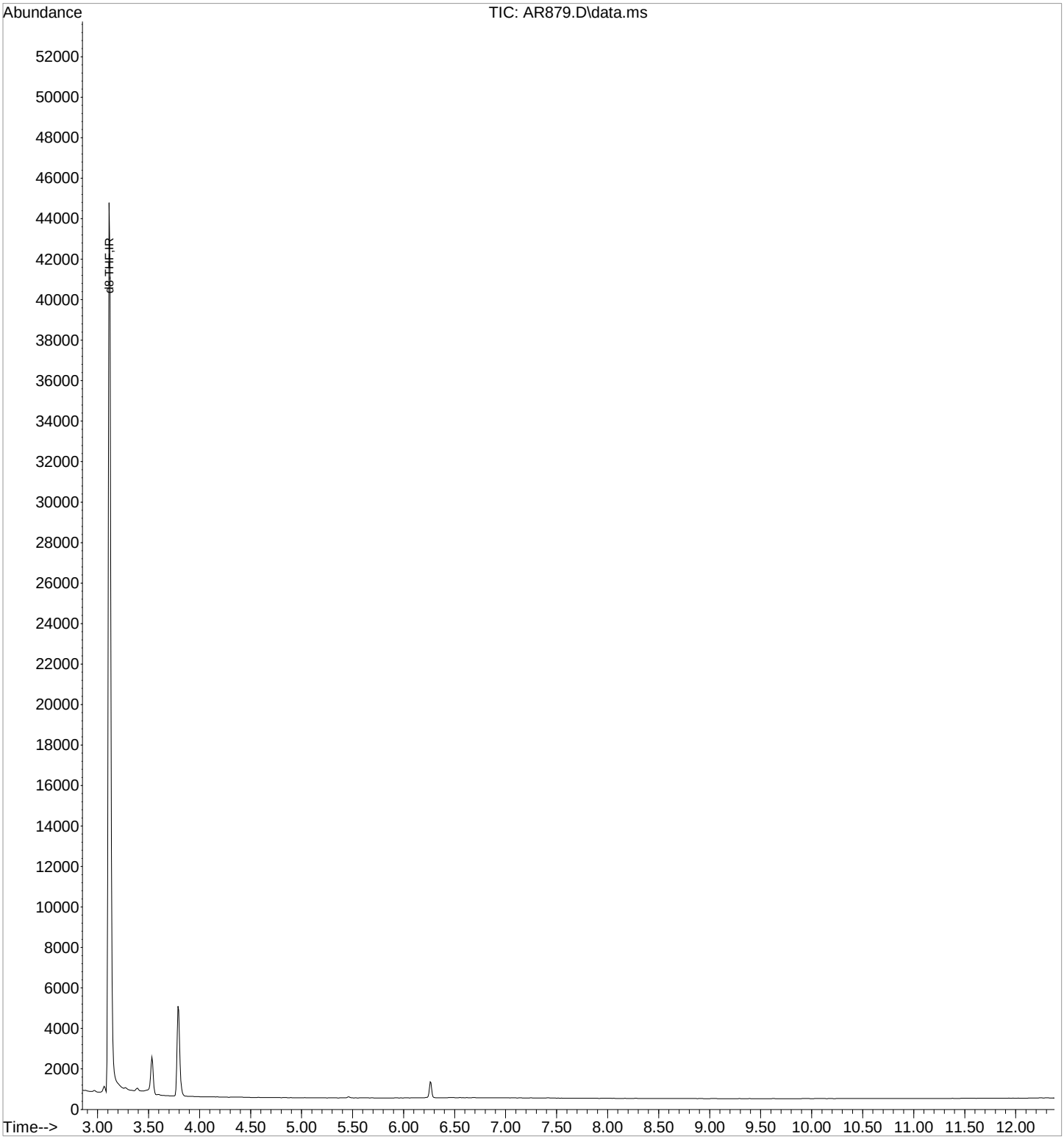
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d8-THF	3.114	46	31772	500.00	PPB	0.01
System Monitoring Compounds						
3) SURR,1,4-DIOXANE-d8	0.000	96	0	0.00	PPB	
Spiked Amount 100.000	Range 70 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
2) 1,4-Dioxane	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\030719\
Data File : AR879.D
Acq On : 7 Mar 2019 9:57 am
Operator : J.Misiurewicz
Sample : BLK Inst : 5975 E
Misc : Initial Calibration 522/8270D DIOX
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 11 08:02:24 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\SDIOX030719.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Mar 11 08:01:23 2019
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\030719\
Data File : AR880.D
Acq On : 7 Mar 2019 10:16 am
Operator : J.Misiurewicz
Sample : 1 ppb STD Inst : 5975 E
Misc : Initial Calibration 522/8270D DIOX
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 11 07:58:46 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\SDIOX030719.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu Mar 07 13:34:31 2019
Response via : Initial Calibration

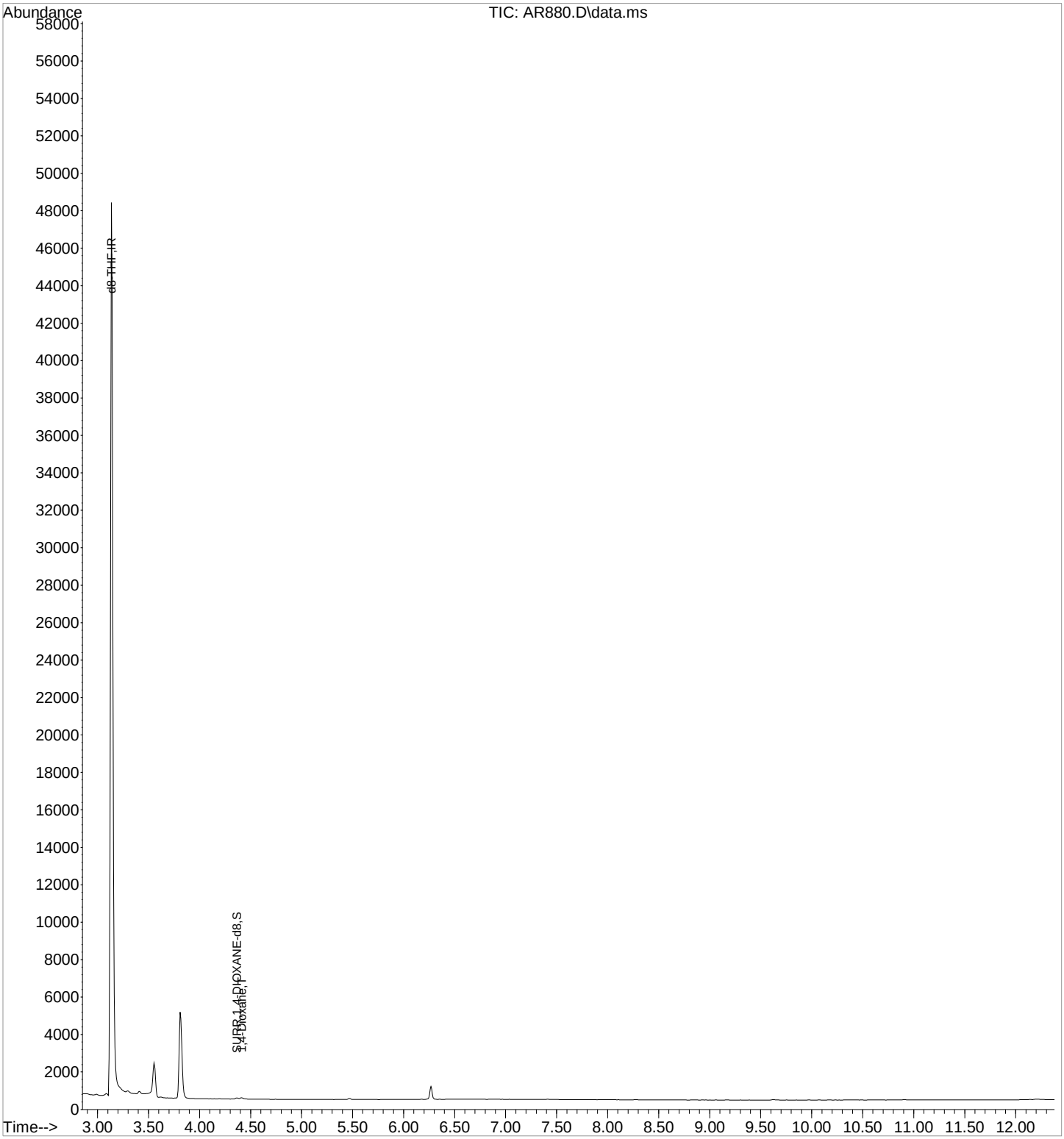
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d8-THF	3.135	46	33629	500.00	PPB	0.03
System Monitoring Compounds						
3) SURR,1,4-DIOXANE-d8	4.364	96	76	1.03	PPB	0.07
Spiked Amount 100.000	Range 70 - 130		Recovery = 1.03%#			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.414	88	100	0.98	PPB	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\030719\
Data File : AR880.D
Acq On : 7 Mar 2019 10:16 am
Operator : J.Misiurewicz
Sample : 1 ppb STD Inst : 5975 E
Misc : Initial Calibration 522/8270D DIOX
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 11 07:58:46 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\SDIOX030719.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu Mar 07 13:34:31 2019
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\030719\
Data File : AR881.D
Acq On : 7 Mar 2019 10:35 am
Operator : J.Misiurewicz
Sample : 2 ppb STD Inst : 5975 E
Misc : Initial Calibration 522/8270D DIOX
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 11 07:58:49 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\SDIOX030719.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu Mar 07 13:34:31 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d8-THF	3.121	46	31773	500.00	PPB	0.02
System Monitoring Compounds						
3) SURR,1,4-DIOXANE-d8	4.350	96	134	1.89	PPB	0.06
Spiked Amount 100.000	Range 70 - 130		Recovery = 1.89%#			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.400	88	180	2.11	PPB	100

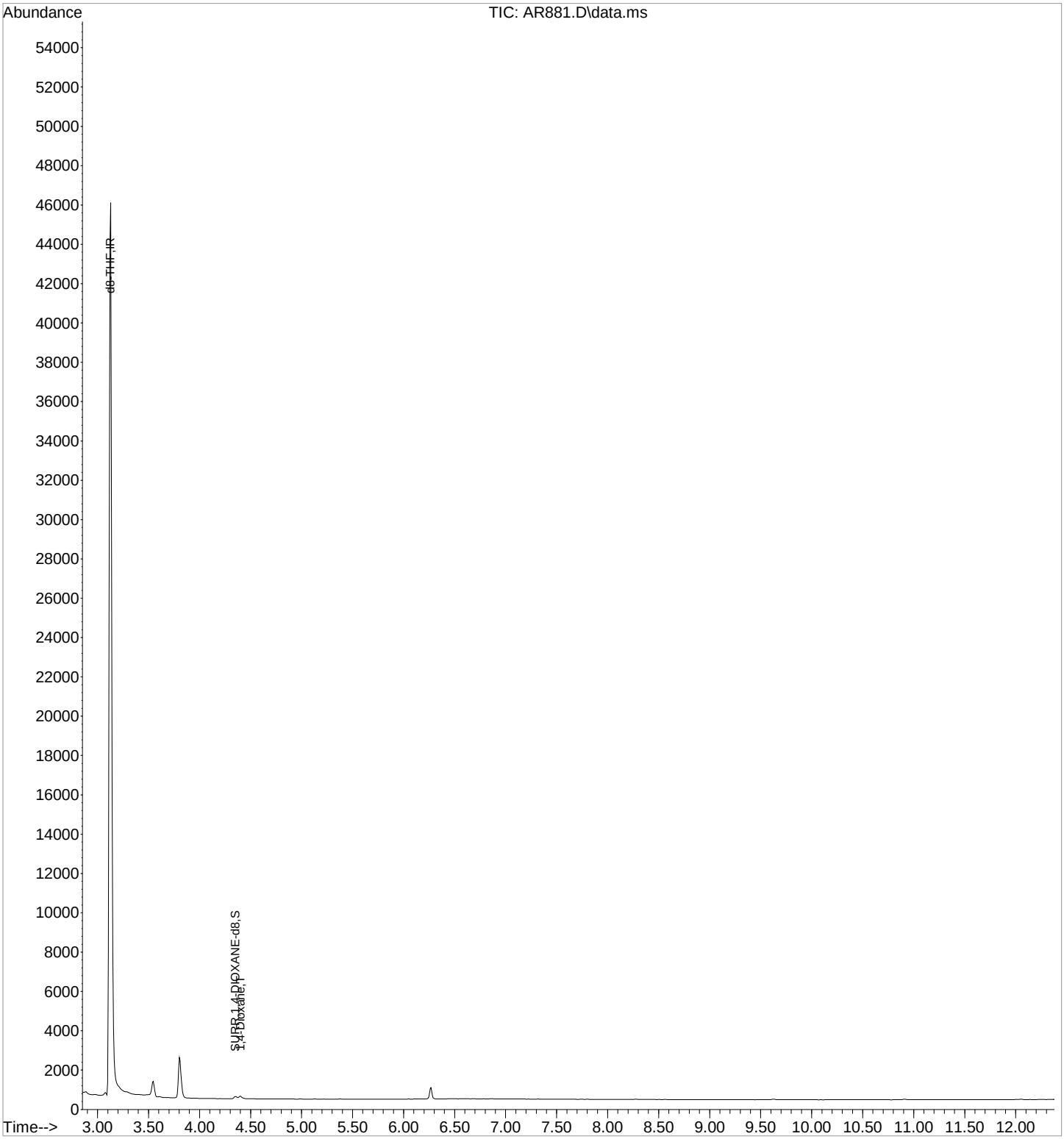
(#) = qualifier out of range (m) = manual integration (+) = signals summed

1st DM 03/11/19
2nd BA 03/12/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\030719\
Data File : AR881.D
Acq On : 7 Mar 2019 10:35 am
Operator : J.Misiurewicz
Sample : 2 ppb STD Inst : 5975 E
Misc : Initial Calibration 522/8270D DIOX
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 11 07:58:49 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\SDIOX030719.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu Mar 07 13:34:31 2019
Response via : Initial Calibration



1st DM 03/11/19
2nd BA 03/12/19

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\030719\
Data File : AR882.D
Acq On : 7 Mar 2019 10:53 am
Operator : J.Misiurewicz
Sample : 10 ppb STD Inst : 5975 E
Misc : Initial Calibration 522/8270D DIOX
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 11 07:58:51 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\SDIOX030719.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu Mar 07 13:34:31 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d8-THF	3.121	46	30566	500.00	PPB	0.02
System Monitoring Compounds						
3) SURR,1,4-DIOXANE-d8	4.329	96	1300	18.67	PPB	0.04
Spiked Amount 100.000	Range 70 - 130		Recovery = 18.67%#			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.379	88	1328	17.97	PPB	98

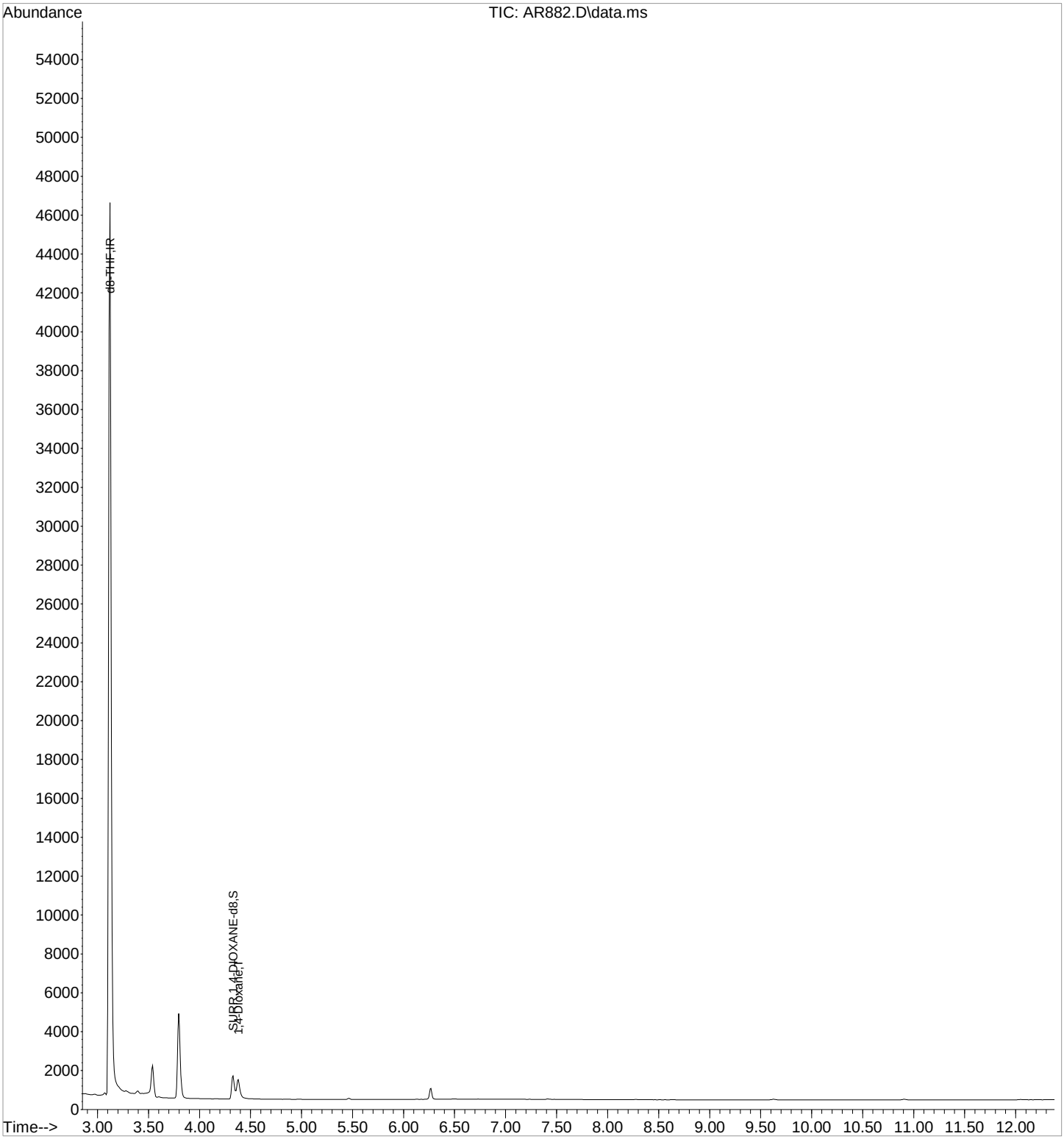
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Do Not Use

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\030719\
Data File : AR882.D
Acq On : 7 Mar 2019 10:53 am
Operator : J.Misiurewicz
Sample : 10 ppb STD Inst : 5975 E
Misc : Initial Calibration 522/8270D DIOX
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 11 07:58:51 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\SDIOX030719.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu Mar 07 13:34:31 2019
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\030719\
Data File : AR883.D
Acq On : 7 Mar 2019 11:10 am
Operator : J.Misiurewicz
Sample : 20 ppb STD Inst : 5975 E
Misc : Initial Calibration 522/8270D DIOX
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 11 07:58:53 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\SDIOX030719.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu Mar 07 13:34:31 2019
Response via : Initial Calibration

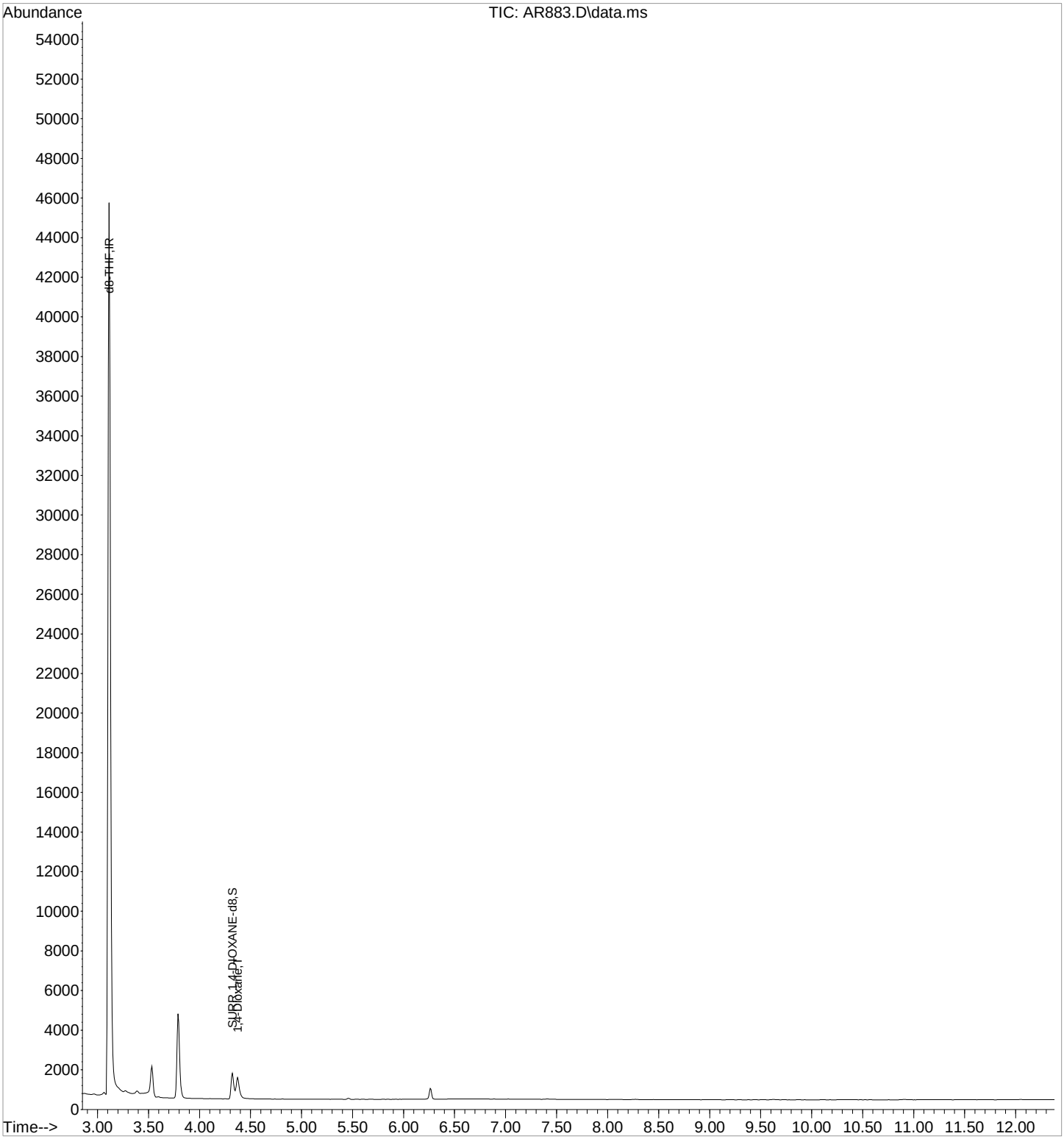
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d8-THF	3.114	46	29977	500.00	PPB	0.00
System Monitoring Compounds						
3) SURR,1,4-DIOXANE-d8	4.322	96	1358	19.88	PPB	0.03
Spiked Amount 100.000	Range 70 - 130		Recovery = 19.88%#			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.371	88	1398	19.31	PPB	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\030719\
Data File : AR883.D
Acq On : 7 Mar 2019 11:10 am
Operator : J.Misiurewicz
Sample : 20 ppb STD Inst : 5975 E
Misc : Initial Calibration 522/8270D DIOX
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 11 07:58:53 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\SDIOX030719.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu Mar 07 13:34:31 2019
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\030719\
Data File : AR884.D
Acq On : 7 Mar 2019 11:29 am
Operator : J.Misiurewicz
Sample : 100 ppb STD Inst : 5975 E
Misc : Initial Calibration 522/8270D DIOX
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 11 07:58:55 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\SDIOX030719.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu Mar 07 13:34:31 2019
Response via : Initial Calibration

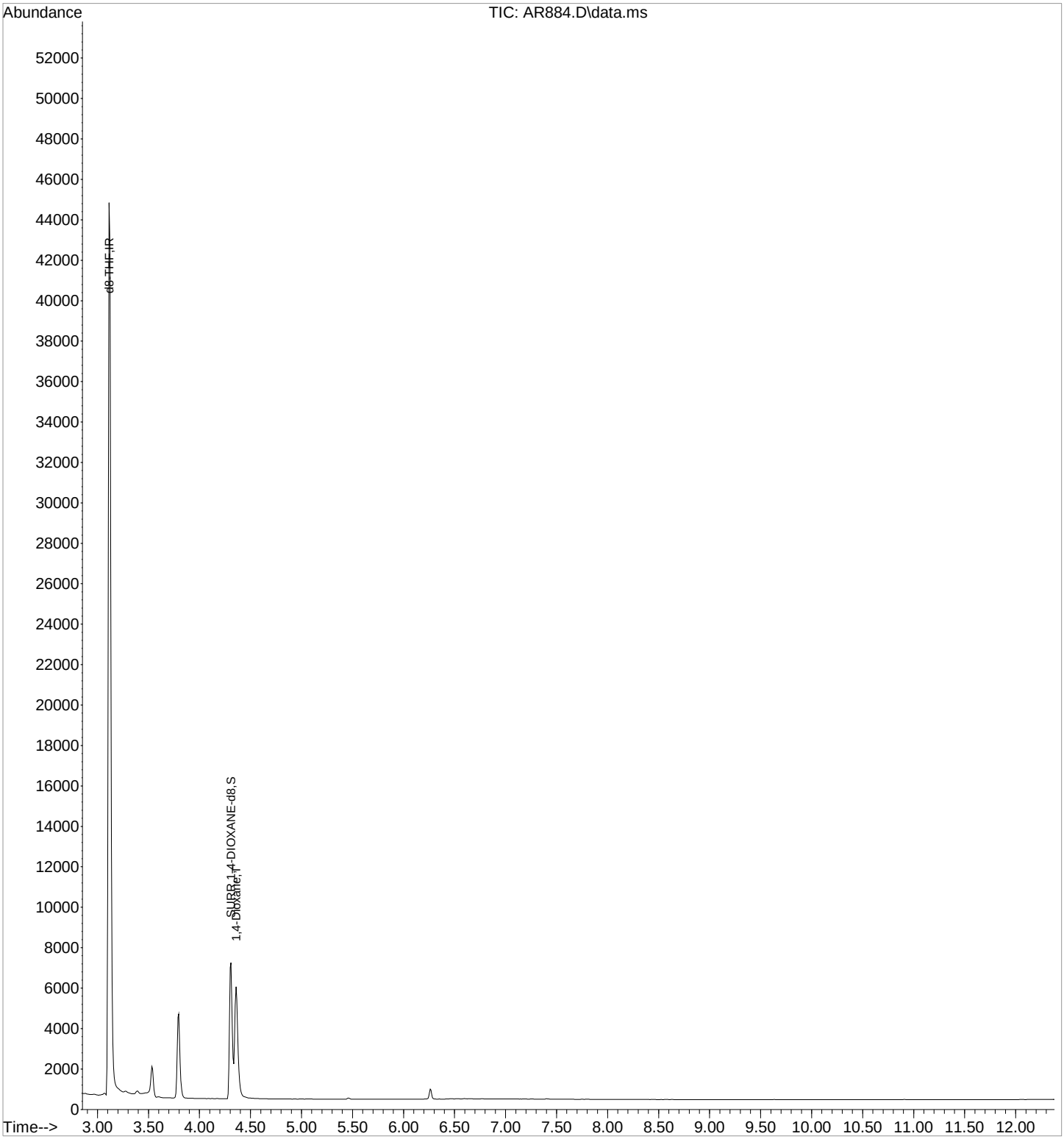
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d8-THF	3.114	46	31220	500.00	PPB	0.01
System Monitoring Compounds						
3) SURR,1,4-DIOXANE-d8	4.308	96	6970	97.72	PPB	0.02
Spiked Amount 100.000	Range 70 - 130		Recovery = 97.72%			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.358	88	7240	97.06	PPB	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\030719\
Data File : AR884.D
Acq On : 7 Mar 2019 11:29 am
Operator : J.Misiurewicz
Sample : 100 ppb STD Inst : 5975 E
Misc : Initial Calibration 522/8270D DIOX
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 11 07:58:55 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\SDIOX030719.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu Mar 07 13:34:31 2019
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\030719\
Data File : AR885.D
Acq On : 7 Mar 2019 11:48 am
Operator : J.Misiurewicz
Sample : 200 ppb STD Inst : 5975 E
Misc : Initial Calibration 522/8270D DIOX
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 11 07:58:57 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\SDIOX030719.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu Mar 07 13:34:31 2019
Response via : Initial Calibration

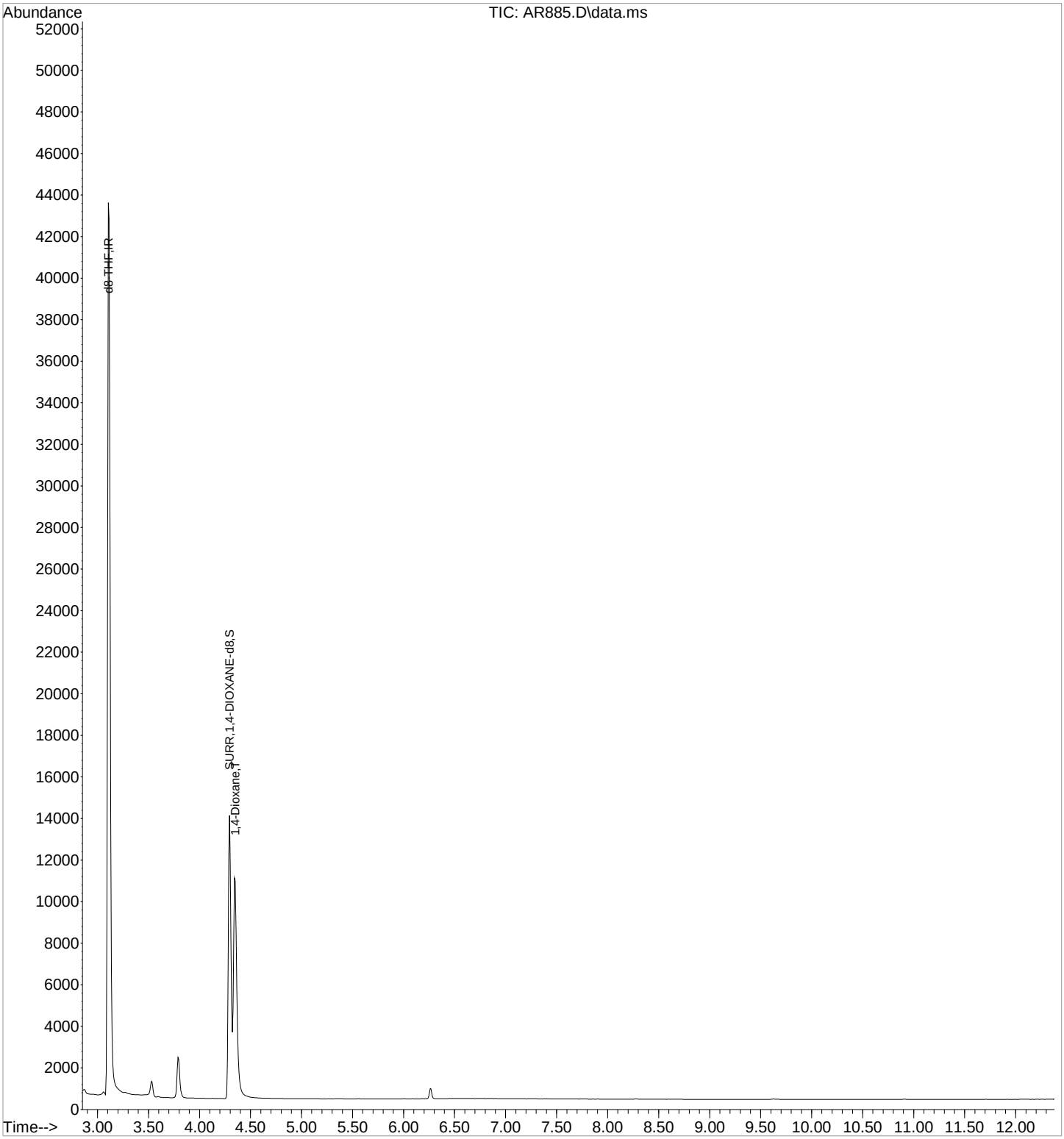
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d8-THF	3.107	46	30306	500.00	PPB	0.00
System Monitoring Compounds						
3) SURR,1,4-DIOXANE-d8	4.293	96	13939	200.94	PPB	0.00
Spiked Amount 100.000	Range 70 - 130		Recovery = 200.94%#			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.350	88	14464	199.86	PPB	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\030719\
Data File : AR885.D
Acq On : 7 Mar 2019 11:48 am
Operator : J.Misiurewicz
Sample : 200 ppb STD Inst : 5975 E
Misc : Initial Calibration 522/8270D DIOX
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 11 07:58:57 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\SDIOX030719.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu Mar 07 13:34:31 2019
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\030719\
Data File : AR886.D
Acq On : 7 Mar 2019 12:07 pm
Operator : J.Misiurewicz
Sample : 500 ppb STD Inst : 5975 E
Misc : Initial Calibration 522/8270D DIOX
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 11 07:58:59 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\SDIOX030719.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu Mar 07 13:34:31 2019
Response via : Initial Calibration

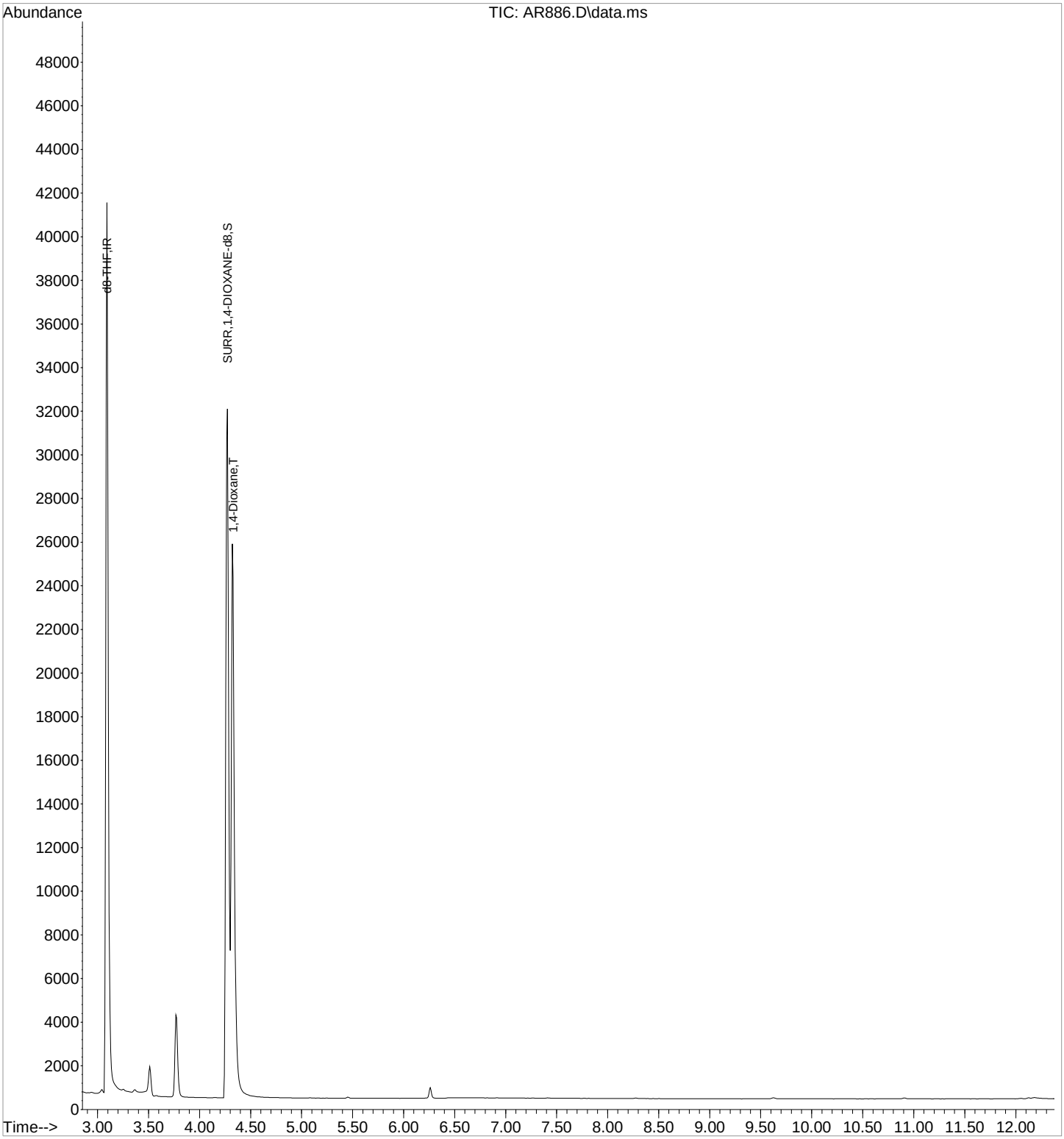
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d8-THF	3.092	46	27178	500.00	PPB	-0.01
System Monitoring Compounds						
3) SURR,1,4-DIOXANE-d8	4.272	96	32095	513.35	PPB	-0.02
Spiked Amount 100.000	Range 70 - 130		Recovery = 513.35%#			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.328	88	33610	516.94	PPB	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\030719\
Data File : AR886.D
Acq On : 7 Mar 2019 12:07 pm
Operator : J.Misiurewicz
Sample : 500 ppb STD Inst : 5975 E
Misc : Initial Calibration 522/8270D DIOX
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 11 07:58:59 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\SDIOX030719.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu Mar 07 13:34:31 2019
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\030719\
Data File : AR887.D
Acq On : 7 Mar 2019 12:26 pm
Operator : J.Misiurewicz
Sample : 1000 ppb STD Inst : 5975 E
Misc : Initial Calibration 522/8270D DIOX
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 11 07:59:01 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\SDIOX030719.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu Mar 07 13:34:31 2019
Response via : Initial Calibration

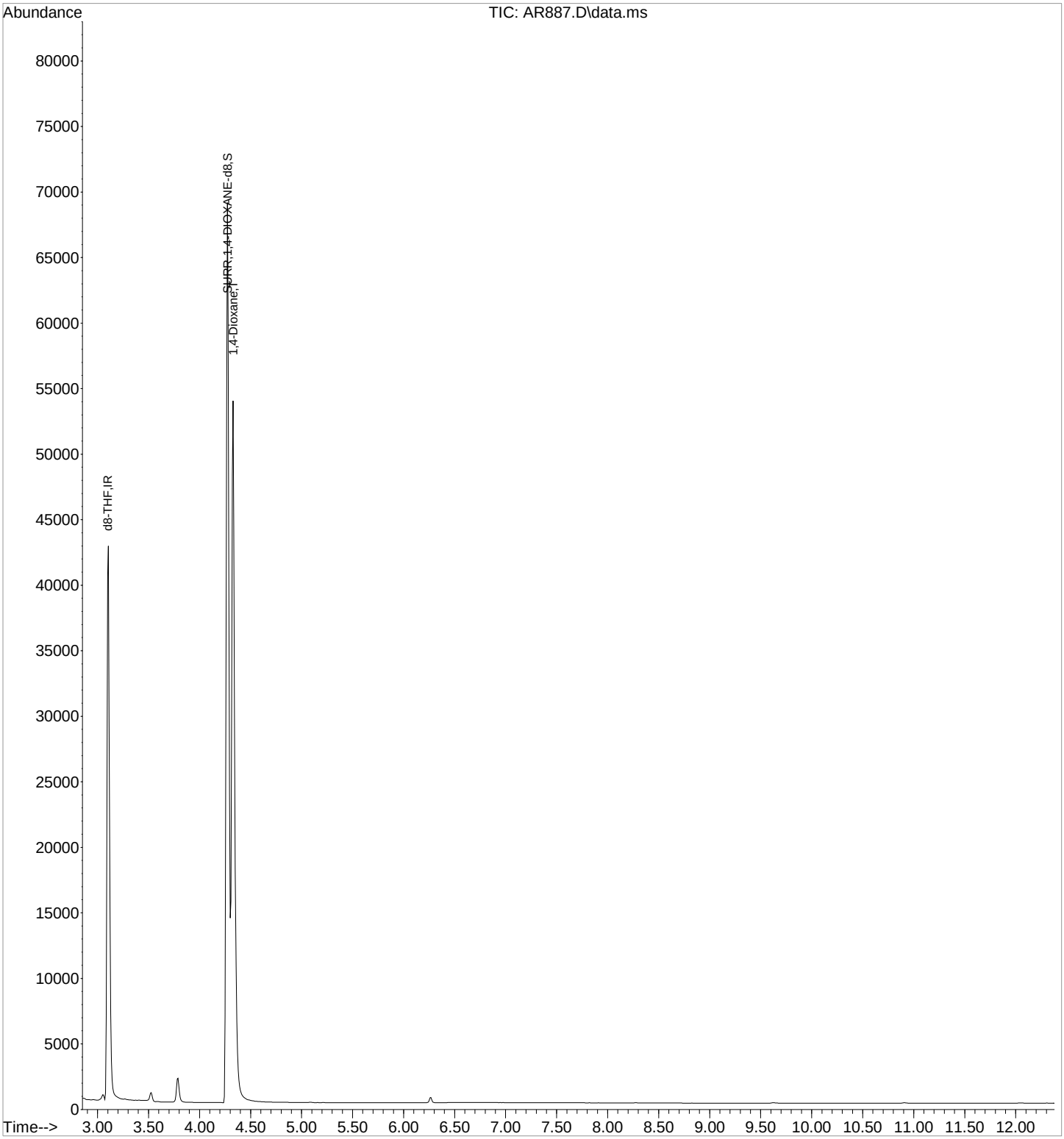
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d8-THF	3.100	46	28419	500.00	PPB	0.00
System Monitoring Compounds						
3) SURR,1,4-DIOXANE-d8	4.272	96	68073	1032.81	PPB	-0.02
Spiked Amount 100.000	Range 70 - 130		Recovery = 1032.81%#			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.329	88	68622	1005.54	PPB	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\030719\
Data File : AR887.D
Acq On : 7 Mar 2019 12:26 pm
Operator : J.Misiurewicz
Sample : 1000 ppb STD Inst : 5975 E
Misc : Initial Calibration 522/8270D DIOX
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 11 07:59:01 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\SDIOX030719.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu Mar 07 13:34:31 2019
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\030719\
Data File : AR888.D
Acq On : 7 Mar 2019 12:43 pm
Operator : J.Misiurewicz
Sample : 5000 ppb STD Inst : 5975 E
Misc : Initial Calibration 522/8270D DIOX
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 11 07:59:03 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\SDIOX030719.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu Mar 07 13:34:31 2019
Response via : Initial Calibration

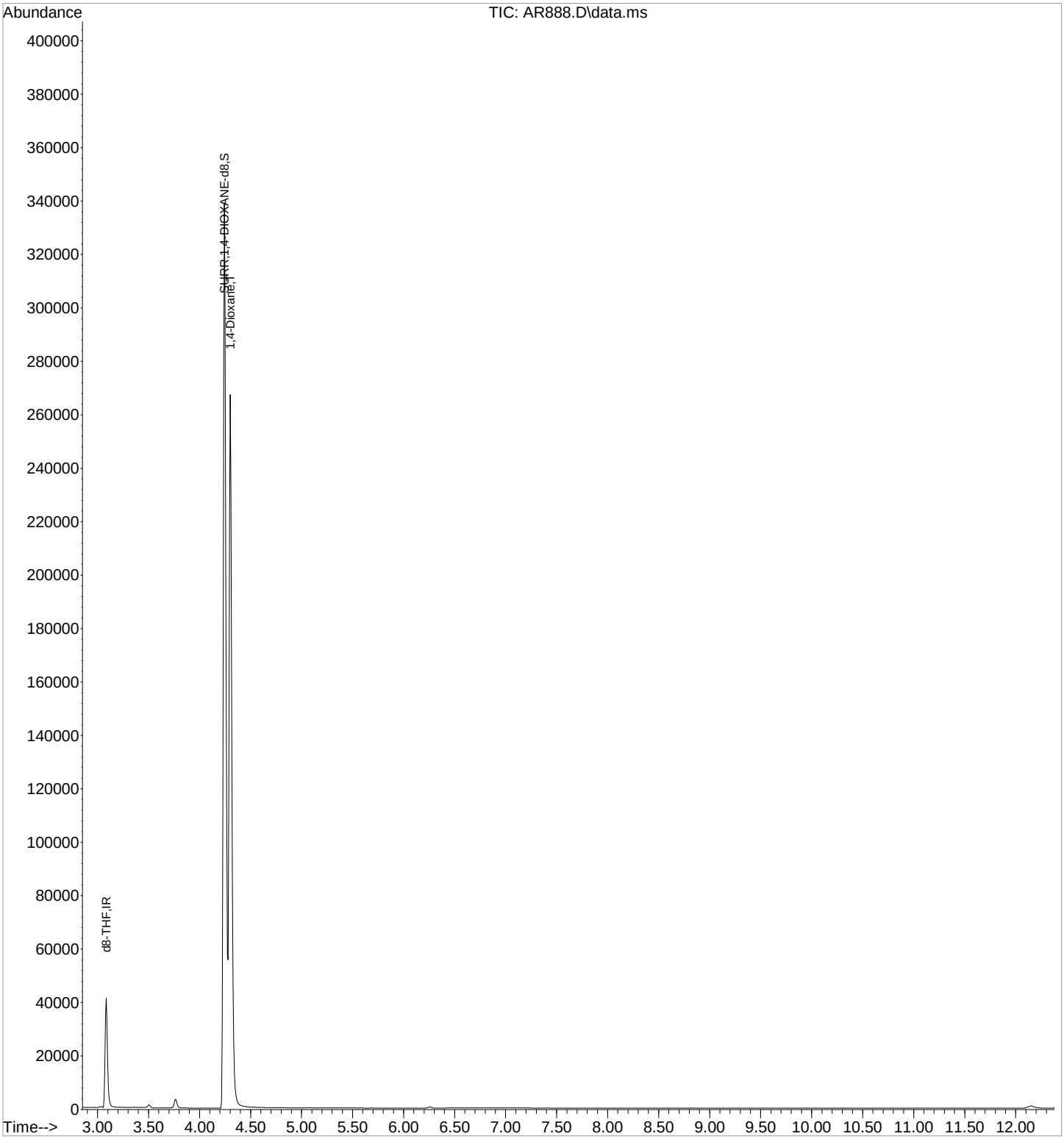
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d8-THF	3.085	46	26196	500.00	PPB	-0.02
System Monitoring Compounds						
3) SURR,1,4-DIOXANE-d8	4.243	96	319777	4960.34	PPB	-0.05
Spiked Amount 100.000	Range 70 - 130		Recovery = 4960.34%#			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.300	88	323652	4982.41	PPB	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\5975E\data\030719\
Data File : AR888.D
Acq On : 7 Mar 2019 12:43 pm
Operator : J.Misiurewicz
Sample : 5000 ppb STD Inst : 5975 E
Misc : Initial Calibration 522/8270D DIOX
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 11 07:59:03 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\SDIOX030719.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu Mar 07 13:34:31 2019
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\5975E\data\030719\
Data File : AR889.D
Acq On : 7 Mar 2019 1:02 pm
Operator : J.Misiurewicz
Sample : ICV Inst : 5975 E
Misc : Initial Calibration 522/8270D DIOX
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 11 08:02:51 2019
Quant Method : I:\ACQUDATA\5975E\METHODS\SDIOX030719.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Mon Mar 11 08:01:23 2019
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	IR	d8-THF	500.000	500.000	0.0	87	-0.02
2	T	1,4-Dioxane	200.000	209.282	-4.6	91	-0.01
3	S	SURR,1,4-DIOXANE-d8	200.000	215.709	-7.9	93	-0.02

(#) = Out of Range SPCC's out = 0 CCC's out = 0

ALS Group USA, Corp.

DBA ALS Environmetal

QC/QC Report

Date Analyzed: 3/7/19 9:26

ICAL Tune Summary

Semi Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5975E\data\030719\AR878.D Analytical Method: 8270D

Instrument ID: R-MS-56

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Results Pass/Fail
51	198	10	80	39.2	284437	PASS
68	69	0	2	1.7	4731	PASS
69	198	0	100	39.5	286677	PASS
70	69	0	2	0.6	1594	PASS
127	198	10	80	49.4	358763	PASS
197	198	0	2	0.6	4573	PASS
198	198	100	100	100.0	726443	PASS
199	198	5	9	6.8	49555	PASS
275	198	10	60	23.5	170368	PASS
365	198	1	100	2.8	20440	PASS
441	442	0.01	24	15.2	70493	PASS
442	442	100	100	100.0	463019	PASS
443	442	15	24	18.9	87381	PASS

Sample Name	Lab Code	File ID:	Date Analyzes:	Q
BLK	BLK	I:\ACQUDATA\5975E\data\030719\AR879.D	3/7/19 9:57	
1 ppb STD	1 ppb STD	I:\ACQUDATA\5975E\data\030719\AR880.D	3/7/19 10:16	
2 ppb STD	2 ppb STD	I:\ACQUDATA\5975E\data\030719\AR881.D	3/7/19 10:35	
20 ppb STD	20 ppb STD	I:\ACQUDATA\5975E\data\030719\AR883.D	3/7/19 11:10	
100 ppb STD	100 ppb STD	I:\ACQUDATA\5975E\data\030719\AR884.D	3/7/19 11:29	
200 ppb STD	200 ppb STD	I:\ACQUDATA\5975E\data\030719\AR885.D	3/7/19 11:48	
500 ppb STD	500 ppb STD	I:\ACQUDATA\5975E\data\030719\AR886.D	3/7/19 12:07	
1000 ppb STD	1000 ppb STD	I:\ACQUDATA\5975E\data\030719\AR887.D	3/7/19 12:26	
5000 ppb STD	5000 ppb STD	I:\ACQUDATA\5975E\data\030719\AR888.D	3/7/19 12:43	
ICV	ICV	I:\ACQUDATA\5975E\data\030719\AR889.D	3/7/19 13:02	

ALS Group USA, Corp.

DBA ALS Environmetal

QC/QC Report

Date Analyzed: 3/7/19 8:48

ICAL Tune Summary
1,4-Dioxane by GC/MS

File ID: I:\ACQUDATA\5975E\data\030719\AR877.D Analytical Method: 522

Instrument ID: R-MS-56

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Results Pass/Fail
50	95	15	40	18.1	10608	PASS
75	95	30	60	49.2	28795	PASS
95	95	100	100	100.0	58496	PASS
96	95	5	9	6.4	3754	PASS
173	174	0	2	0.9	453	PASS
174	95	50	120	90.3	52795	PASS
175	174	5	9	6.7	3552	PASS
176	174	95	101	95.9	50645	PASS
177	176	5	9	6.2	3119	PASS

Sample Name	Lab Code	File ID:	Date Analyzes:	Q
BLK	BLK	I:\ACQUDATA\5975E\data\030719\AR879.D	3/7/19 9:57	
1 ppb STD	1 ppb STD	I:\ACQUDATA\5975E\data\030719\AR880.D	3/7/19 10:16	
2 ppb STD	2 ppb STD	I:\ACQUDATA\5975E\data\030719\AR881.D	3/7/19 10:35	
20 ppb STD	20 ppb STD	I:\ACQUDATA\5975E\data\030719\AR883.D	3/7/19 11:10	
100 ppb STD	100 ppb STD	I:\ACQUDATA\5975E\data\030719\AR884.D	3/7/19 11:29	
200 ppb STD	200 ppb STD	I:\ACQUDATA\5975E\data\030719\AR885.D	3/7/19 11:48	
500 ppb STD	500 ppb STD	I:\ACQUDATA\5975E\data\030719\AR886.D	3/7/19 12:07	
1000 ppb STD	1000 ppb STD	I:\ACQUDATA\5975E\data\030719\AR887.D	3/7/19 12:26	
5000 ppb STD	5000 ppb STD	I:\ACQUDATA\5975E\data\030719\AR888.D	3/7/19 12:43	
ICV	ICV	I:\ACQUDATA\5975E\data\030719\AR889.D	3/7/19 13:02	

Analysis: 8270/522 Analyst: Physiorevic Run Method: SD10x0227.F / BFBDVM / DFTPP/D10
Date: 3/7/19 Instr. 5975E MS-56 Quant Method: SD10x030719.M
Syringes: LIMS Run#: 627754

Pos.	Sample	Diln.	Stds. ID	File#	OK?	Comments
1	Blk			A0875	—	
1	Blk			76	—	
2	Tune BFB			77	Y	
3	Tune DFTPP			78	Y	
4	Blk			79	Y	
5	1ppb SDD		197539	80	Y	
6	2		195750	81	Y	
7	10		197540	82	N	mode wrong
8	20		197541	83	Y	
9	100		197542	84	Y	
10	200		195751	85	Y	
11	500		197543	86	Y	
12	1000		195752	87	Y	
13	5000		197544	88	Y	
14	ICV		197456	89	YQ	
15	CCV 2ppb		195750	90	YCC	
16	RQ1901867-01	Blk	332379 (522)	91	Y	
17	-02	LCS		92	YQ	
18	-03	LCSD		93	YQ	
19	-05	LCSLL		94	YQ	↑
20	R1901793-021			95	Y	
21	R1901794-001			96	Y	
22	RQ1901867-04			97	YQ	
23	-05			98	YQ	
24	R1901794-002			99	Y	
25	-004			100	Y	
26	CCV 200ppb		195751	01	YC	
27	R1901794-005			02	Y	
28	-006			03	Y	
29	-007			04	Y	
30	R1901803-013			05	Y	
31	RQ1901866-01	Blk	332378 (5270)	06	N	re-extract
32	-07	LODv		07		
33	-06	LOQ		08		
34	CCV 1000ppb		195752	09	YCC	

DM 3/7/19

All samples = _____mL + _____uL Combined IS/Surr.;

Primary :_____ exp: Secondary :_____ exp:
Primary:_____ exp: Secondary :_____ exp:
Reagents:

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility **Calibration Date:** 3/7/2019

Initial Calibration Summary
1,4-Dioxane by GC/MS

Calibration ID: RC1900029 **Signal ID:** 1
Instrument ID: R-MS-56

#	Lab Code	Sample Name	File Location	Acquisition Date
01	RC1900029-01	1 ppb STD	I:\ACQUDATA\5975E\data\030719\AR880.D	03/07/2019 10:16
02	RC1900029-02	2 ppb STD	I:\ACQUDATA\5975E\data\030719\AR881.D	03/07/2019 10:35
03	RC1900029-03	20 ppb STD	I:\ACQUDATA\5975E\data\030719\AR883.D	03/07/2019 11:10
04	RC1900029-04	100 ppb STD	I:\ACQUDATA\5975E\data\030719\AR884.D	03/07/2019 11:29
05	RC1900029-05	200 ppb STD	I:\ACQUDATA\5975E\data\030719\AR885.D	03/07/2019 11:48
06	RC1900029-06	500 ppb STD	I:\ACQUDATA\5975E\data\030719\AR886.D	03/07/2019 12:07
07	RC1900029-07	1000 ppb STD	I:\ACQUDATA\5975E\data\030719\AR887.D	03/07/2019 12:26
08	RC1900029-08	5000 ppb STD	I:\ACQUDATA\5975E\data\030719\AR888.D	03/07/2019 12:43

Analyte

1,4-Dioxane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.487	02	2.000	1.416	03	20.000	1.166	04	100.000	1.16
05	200.000	1.193	06	500.000	1.237	07	1000.000	1.207	08	5000.000	1.236

1,4-Dioxane-d8

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.13	02	2.000	1.054	03	20.000	1.133	04	100.000	1.116
05	200.000	1.15	06	500.000	1.181	07	1000.000	1.198	08	5000.000	1.221

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility **Calibration Date:** 3/7/2019

Initial Calibration Summary
1,4-Dioxane by GC/MS

Calibration ID: RC1900029 **Signal ID:** 1
Instrument ID: R-MS-56

		Calibration Evaluation				Calibration Evaluation	
Analyte Name	Compound Type	Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
1,4-Dioxane	TRG	Quadratic	COD	1.0000	≥0.99	1.263	
1,4-Dioxane-d8	SURR	Quadratic	COD	0.9998	≥0.99	1.148	

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility **Calibration Date:** 3/7/2019

Initial Calibration Verification Summary
1,4-Dioxane by GC/MS

Calibration ID: RC1900029 **Signal ID:** 1
Instrument ID: R-MS-56

#	Lab Code	Sample Name	File Location	Acquisition Date
09	RC1900029-09	ICV	I:\ACQUDATA\5975E\data\030719\AR889.D	03/07/2019 13:02

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
1,4-Dioxane	200	209	1.263E0	1.249E0	4.64	±20	Quadratic

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
1,4-Dioxane-d8	200	216	1.148E0	1.235E0	7.86	±20	Quadratic

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Analyzed:**	06/17/19 15:21

Continuing Calibration Verification (CCV) Summary
1,4-Dioxane by GC/MS

Analysis Method:	8270D SIM	**Calibration Date:**	3/7/2019
File ID:	I:\ACQUDATA\5975E\data\061719\AS535.D\	**Calibration ID:**	RC1900029
Signal ID:	1	**Analysis Lot:**	639782
		Units:	ppb

Analyte Name	Expected	Result	Average RF	CCV RF	Rec.	% Drift	Criteria	Curve Fit
1,4-Dioxane	202	181	1.2626	1.0733	89.5	-10.5	±20	Quadratic

Analyte Name	Expected	Result	Average RF	CCV RF	Rec.	% Drift	Criteria	Curve Fit
1,4-Dioxane-d8	200	185	1.1478	1.061	92.3	-7.7	±20	Quadratic

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Analyzed:**	06/18/19 14:22

Continuing Calibration Verification (CCV) Summary
1,4-Dioxane by GC/MS

Analysis Method:	8270D SIM	**Calibration Date:**	3/7/2019
File ID:	I:\ACQUDATA\5975E\data\061819\AS561.D\	**Calibration ID:**	RC1900029
Signal ID:	1	**Analysis Lot:**	640179
		Units:	ppb

Analyte Name	Expected	Result	Average RF	CCV RF	Rec.	% Drift	Criteria	Curve Fit
1,4-Dioxane	202	180	1.2626	1.069	89.2	-10.8	±20	Quadratic

Analyte Name	Expected	Result	Average RF	CCV RF	Rec.	% Drift	Criteria	Curve Fit
1,4-Dioxane-d8	200	182	1.1478	1.0441	90.9	-9.1	±20	Quadratic

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Analyzed:**	06/24/19 14:55

Continuing Calibration Verification (CCV) Summary
1,4-Dioxane by GC/MS

Analysis Method:	8270D SIM	**Calibration Date:**	3/7/2019
File ID:	I:\ACQUDATA\5975E\data\062419\AS619.D\	**Calibration ID:**	RC1900029
Signal ID:	1	**Analysis Lot:**	640843
		Units:	ppb

Analyte Name	Expected	Result	Average RF	CCV RF	Rec.	% Drift	Criteria	Curve Fit
1,4-Dioxane	202	176	1.2626	1.0458	87.2	-12.8	±20	Quadratic

Analyte Name	Expected	Result	Average RF	CCV RF	Rec.	% Drift	Criteria	Curve Fit
1,4-Dioxane-d8	200	178	1.1478	1.023	89.1	-10.9	±20	Quadratic

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:**R1905417
Project: Former Borden Facility/08212777

Analysis Run Log
1,4-Dioxane by GC/MS

Analysis Method: **Analysis Lot:**639782
Instrument ID:R-MS-56

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\5975E\data\061719\AS527.D\	ZZZZZZZ	ZZZZZZZ	6/17/2019	12:42:00	
I:\ACQUDATA\5975E\data\061719\AS528.D\	ZZZZZZZ	ZZZZZZZ	6/17/2019	13:06:00	
I:\ACQUDATA\5975E\data\061719\AS529.D\	ZZZZZZZ	ZZZZZZZ	6/17/2019	13:29:00	
I:\ACQUDATA\5975E\data\061719\AS530.D\	ZZZZZZZ	ZZZZZZZ	6/17/2019	13:48:00	
I:\ACQUDATA\5975E\data\061719\AS531.D\	ZZZZZZZ	ZZZZZZZ	6/17/2019	14:07:00	
I:\ACQUDATA\5975E\data\061719\AS532.D\	ZZZZZZZ	ZZZZZZZ	6/17/2019	14:26:00	
I:\ACQUDATA\5975E\data\061719\AS533.D\	ZZZZZZZ	ZZZZZZZ	6/17/2019	14:45:00	
I:\ACQUDATA\5975E\data\061719\AS534.D\	ZZZZZZZ	ZZZZZZZ	6/17/2019	15:03:00	
I:\ACQUDATA\5975E\data\061719\AS535.D\	Continuing Calibration Verification	RQ1906028-03	6/17/2019	15:21:00	
I:\ACQUDATA\5975E\data\061719\AS536.D\	Method Blank	RQ1905934-01	6/17/2019	15:38:00	
I:\ACQUDATA\5975E\data\061719\AS537.D\	Lab Control Sample	RQ1905934-02	6/17/2019	15:56:00	
I:\ACQUDATA\5975E\data\061719\AS538.D\	Duplicate Lab Control Sample	RQ1905934-03	6/17/2019	16:14:00	
I:\ACQUDATA\5975E\data\061719\AS539.D\	ZZZZZZZ	ZZZZZZZ	6/17/2019	16:32:00	
I:\ACQUDATA\5975E\data\061719\AS541.D\	MW-15	R1905417-003	6/17/2019	17:09:00	
I:\ACQUDATA\5975E\data\061719\AS545.D\	ZZZZZZZ	ZZZZZZZ	6/17/2019	18:21:00	
I:\ACQUDATA\5975E\data\061719\AS546.D\	ZZZZZZZ	ZZZZZZZ	6/17/2019	18:39:00	
I:\ACQUDATA\5975E\data\061719\AS547.D\	ZZZZZZZ	ZZZZZZZ	6/17/2019	18:57:00	
I:\ACQUDATA\5975E\data\061719\AS549.D\	ZZZZZZZ	ZZZZZZZ	6/17/2019	19:32:00	
I:\ACQUDATA\5975E\data\061719\AS550.D\	ZZZZZZZ	ZZZZZZZ	6/17/2019	19:50:00	
I:\ACQUDATA\5975E\data\061719\AS552.D\	ZZZZZZZ	ZZZZZZZ	6/17/2019	20:26:00	
I:\ACQUDATA\5975E\data\061719\AS553.D\	ZZZZZZZ	ZZZZZZZ	6/17/2019	20:44:00	
I:\ACQUDATA\5975E\data\061719\AS554.D\	ZZZZZZZ	ZZZZZZZ	6/17/2019	21:01:00	
I:\ACQUDATA\5975E\data\061719\AS555.D\	ZZZZZZZ	ZZZZZZZ	6/17/2019	21:19:00	
I:\ACQUDATA\5975E\data\061719\AS556.D\	ZZZZZZZ	ZZZZZZZ	6/17/2019	21:37:00	
I:\ACQUDATA\5975E\data\061719\AS557.D\	ZZZZZZZ	ZZZZZZZ	6/17/2019	21:55:00	
I:\ACQUDATA\5975E\data\061719\AS558.D\	ZZZZZZZ	ZZZZZZZ	6/17/2019	22:13:00	

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:**R1905417
Project: Former Borden Facility/08212777

Analysis Run Log
1,4-Dioxane by GC/MS

Analysis Method: **Analysis Lot:**640179
Instrument ID:R-MS-56

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\5975E\data\061819\AS560.D\	ZZZZZZZ	ZZZZZZZ	6/18/2019	13:59:00	
I:\ACQUDATA\5975E\data\061819\AS561.D\	Continuing Calibration Verification	RQ1906170-02	6/18/2019	14:22:00	
I:\ACQUDATA\5975E\data\061819\AS562.D\	ZZZZZZZ	ZZZZZZZ	6/18/2019	15:28:00	
I:\ACQUDATA\5975E\data\061819\AS563.D\	ZZZZZZZ	ZZZZZZZ	6/18/2019	15:47:00	
I:\ACQUDATA\5975E\data\061819\AS564.D\	ZZZZZZZ	ZZZZZZZ	6/18/2019	16:05:00	
I:\ACQUDATA\5975E\data\061819\AS565.D\	ZZZZZZZ	ZZZZZZZ	6/18/2019	16:23:00	
I:\ACQUDATA\5975E\data\061819\AS566.D\	ZZZZZZZ	ZZZZZZZ	6/18/2019	16:41:00	
I:\ACQUDATA\5975E\data\061819\AS567.D\	ZZZZZZZ	ZZZZZZZ	6/18/2019	17:00:00	
I:\ACQUDATA\5975E\data\061819\AS568.D\	ZZZZZZZ	ZZZZZZZ	6/18/2019	17:17:00	
I:\ACQUDATA\5975E\data\061819\AS569.D\	ZZZZZZZ	ZZZZZZZ	6/18/2019	17:35:00	
I:\ACQUDATA\5975E\data\061819\AS570.D\	ZZZZZZZ	ZZZZZZZ	6/18/2019	17:53:00	
I:\ACQUDATA\5975E\data\061819\AS571.D\	ZZZZZZZ	ZZZZZZZ	6/18/2019	18:12:00	
I:\ACQUDATA\5975E\data\061819\AS572.D\	ZZZZZZZ	ZZZZZZZ	6/18/2019	18:31:00	
I:\ACQUDATA\5975E\data\061819\AS573.D\	ZZZZZZZ	ZZZZZZZ	6/18/2019	18:51:00	
I:\ACQUDATA\5975E\data\061819\AS575.D\	ZZZZZZZ	ZZZZZZZ	6/18/2019	19:29:00	
I:\ACQUDATA\5975E\data\061819\AS576.D\	ZZZZZZZ	ZZZZZZZ	6/18/2019	19:48:00	
I:\ACQUDATA\5975E\data\061819\AS577.D\	ZZZZZZZ	ZZZZZZZ	6/18/2019	20:07:00	
I:\ACQUDATA\5975E\data\061819\AS578.D\	ZZZZZZZ	ZZZZZZZ	6/18/2019	20:25:00	
I:\ACQUDATA\5975E\data\061819\AS579.D\	ZZZZZZZ	ZZZZZZZ	6/18/2019	20:42:00	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:**R1905417
Project: Former Borden Facility/08212777

Analysis Run Log
1,4-Dioxane by GC/MS

Analysis Method: **Analysis Lot:**640843
Instrument ID:R-MS-56

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\5975E\data\062419\AS618.D\	ZZZZZZZ	ZZZZZZZ	6/24/2019	14:30:00	
I:\ACQUDATA\5975E\data\062419\AS619.D\	Continuing Calibration Verification	RQ1906427-02	6/24/2019	14:55:00	
I:\ACQUDATA\5975E\data\062419\AS620.D\	Method Blank	RQ1906296-01	6/24/2019	15:15:00	
I:\ACQUDATA\5975E\data\062419\AS621.D\	Lab Control Sample	RQ1906296-02	6/24/2019	15:34:00	
I:\ACQUDATA\5975E\data\062419\AS622.D\	Duplicate Lab Control Sample	RQ1906296-03	6/24/2019	15:52:00	
I:\ACQUDATA\5975E\data\062419\AS623.D\	MW-27	R1905417-002	6/24/2019	16:10:00	
I:\ACQUDATA\5975E\data\062419\AS624.D\	ZZZZZZZ	ZZZZZZZ	6/24/2019	16:28:00	
I:\ACQUDATA\5975E\data\062419\AS625.D\	ZZZZZZZ	ZZZZZZZ	6/24/2019	16:45:00	
I:\ACQUDATA\5975E\data\062419\AS626.D\	ZZZZZZZ	ZZZZZZZ	6/24/2019	17:04:00	
I:\ACQUDATA\5975E\data\062419\AS627.D\	ZZZZZZZ	ZZZZZZZ	6/24/2019	17:22:00	
I:\ACQUDATA\5975E\data\062419\AS628.D\	ZZZZZZZ	ZZZZZZZ	6/24/2019	17:41:00	
I:\ACQUDATA\5975E\data\062419\AS632.D\	ZZZZZZZ	ZZZZZZZ	6/24/2019	18:54:00	
I:\ACQUDATA\5975E\data\062419\AS634.D\	ZZZZZZZ	ZZZZZZZ	6/24/2019	19:30:00	
I:\ACQUDATA\5975E\data\062419\AS635.D\	ZZZZZZZ	ZZZZZZZ	6/24/2019	19:48:00	
I:\ACQUDATA\5975E\data\062419\AS636.D\	ZZZZZZZ	ZZZZZZZ	6/24/2019	20:06:00	
I:\ACQUDATA\5975E\data\062419\AS637.D\	ZZZZZZZ	ZZZZZZZ	6/24/2019	20:24:00	

Analysis: 8270 D1 GX
Date: 6/24/19
Syringes:

Analyst: DMS, DRM
Instr. 5975E MS-56
Run Method: SDI 1uL 2mm2-F / DFTPP D10
Quant Method: SDI0603071.M
LIMS Run#: 640843

Pos.	Sample	Diln.	Stds. ID	File#	OK?	Comments
1	Blk		200185	A5617	–	
2	DDW		~~149051~~ DM 6/24/19	18	YT	
3	CCV		199763	19	YCC	
4	RQ1906296-01	Blk	339224	20	Y	
5	-02	LCS		21	YQ	
6	-03	LCSD		22	YQ	
7	R1905417-002RE			23	Y	
8	R1905642-003			24	Y	
9	-006			25	Y	
10	-007			26	Y	
11	-009			27	Y	
12	-011			28	Y	
13	R1905678-001			29	(N)	Rpt 1/20
14	-002			30	(N)	Rpt 1/10
15	-003			31	(N)	Rpt 1/10
16	-004			32	Y	
17	-005			33	(N)	Rpt 1/10
18	R1905751-001			34	Y	
19	RQ1906296-04			35	YQ	
20	-05			36	YQ	
21	R1905757-002			37	Y	

DM 6/26/19

All samples = _____mL + _____uL Combined IS/Surr.;

Primary : _____ exp:
Primary: _____ exp:
Reagents:

Secondary : _____ exp:
Secondary : 1123 of 1819 exp:

Analysis: 8270D LVI Analyst: DMS/CMS Run Method: SD1 Ext2-F / DFTPP D10

Date: 6/18/19 Instr. 5975E MS-56 Quant Method: SD100736719.M

Syringes: LIMS Run#: 640179

Pos.	Sample	Diln.	Stds. ID	File#	OK?	Comments
1	Blk			A5559	-	
2	Tune		198054	60	YT	
3	CCV		199763	61	YCC	
4	RQ1906019-01	Blk	338969	62	Y	
5	" -02	LCS		63	YQ	
6	" -03	LCSD		64	YQ	↑
7	R1905424-001			65	Y	
8	-002			66	Y	
9	RQ1906019-04			67	YQ	
10	-05			68	YQ	
11	R1905424-007			69	Y	
12	-010			70	Y	
13	-013			71	Y	
14	-016			72	Y	
15	-018			73	Y	
16	R1905417-002	10	338763	74	(Y)	Surr ↓
17	R1905473-001	10		75	Y	
18	RQ1905434-04	10		76	YQ	
19	" -05	10		77	YQ	
20	R1905473-005	10		78	Y	
21	" -006	10		79	Y	
22						
23						

DM 6/20/19

All samples = _____mL + _____uL Combined IS/Surr.;

Primary :_____ exp: Secondary :_____ exp:

Primary:_____ exp: Secondary :_____ exp:

Reagents:

Analysis: 8270/528 Analyst: [illegible] Run Method: SD16x03 F/B/BTUM DFTPPD1 a

Date: 6/17/19 Instr. 5975E MS-56 Quant Method: SD16x030719.m

Syringes: LIMS Run#: 639752

Pos.	Sample	Diln.	Stds. ID	File#	OK?	Comments
1	BLK			A5526	—	
2	Tune DFTPP		200188	27	YT	
3	Tune BFB		195054	28	YT	
4	CCV 200ppb		200186	29	YCC	
5	RQ1905933-01	BLK		30	Y	
6	-02	LCS		31	YQ	
7	-03	LCSD		32	YQ	
8	-04	LCS LL		33	YQ	
9	R1905925-001			34	Y	
10	CCV 200ppb		199763	35	YCC	
11	RQ1905934-01			36	Y	
12	-02			37	YQ	
13	-03			38	YQ	
14	~~R1905417-001~~ 6/17	R1905169-001 RE		39	Y	
15	~~-002~~ 6/17	R1905417-002		40	N	apt Y/10
16	~~R1905417~~	-003		41	Y	
17	R1905473-001			42	N	apt Y/10
18	RQ1905934-04			43	N	RE Y/10
19	-05			44	N	apt Y/10
20	R1905473-002			45	Y	
21	-003			46	Y	
22	-004			47	Y	
23	-005			48	N	apt Y/10
24	-006			49	N	apt Y/10 JM 6/18/19
25	-007			50	Y	
26	-008			51	N	apt Y/10
27	-009			52	Y	
28	-010			53	Y	
29	-011			54	Y	
30	-012			55	Y	
31	-013			56	Y	
32	R1905479-007			57	Y	
33	-008			58	Y	

JM 6/18/19

All samples = _____mL + _____uL Combined IS/Surr.:

Primary :_____ exp: Secondary :_____ exp:

Primary:_____ exp: Secondary :_____ exp:

Reagents:

Prep Summary Report

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:**R1905417
Project: Former Borden Facility/08212777
Sample Matrix: Water

1,4-Dioxane by GC/MS

Prep Method: EPA 3535A **Extraction Lot:** 339229
Analytical Method: 8270D SIM **Extraction Date:** 06/24/19 01:15

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Amount	Percent Solids
MW-27	R1905417-002	6/10/19	6/12/19	100 mL	2 mL	
Method Blank	RQ1906296-01MB	NA	NA	100 mL	2 mL	
Lab Control Sample	RQ1906296-02LCS	NA	NA	100 mL	2 mL	
Duplicate Lab Control Sample	RQ1906296-03DLCS	NA	NA	100 mL	2 mL	

Prep Summary Report

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:**R1905417
Project: Former Borden Facility/08212777
Sample Matrix: Water

1,4-Dioxane by GC/MS

Prep Method: EPA 3535A **Extraction Lot:** 338763
Analytical Method: 8270D SIM **Extraction Date:** 06/17/19 13:00

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Amount	Percent Solids
MW-27	R1905417-002	6/10/19	6/12/19	100 mL	2 mL	
MW-15	R1905417-003	6/10/19	6/12/19	100 mL	2 mL	
Method Blank	RQ1905934-01MB	NA	NA	100 mL	2 mL	
Lab Control Sample	RQ1905934-02LCS	NA	NA	100 mL	2 mL	
Duplicate Lab Control Sample	RQ1905934-03DLCS	NA	NA	100 mL	2 mL	

Preparation Information Benchsheet

Prep Run#: 339229
Team: Semivoa GCMS/JMISIUREWICZ

Prep WorkFlow: OrgExtSPEaq(7)
Prep Method: EPA 3535A

Status: Prepped
Prep Date/Time: 6/24/19 01:15

#	Lab Code	Client ID	B#	Amt. Ext.	Method /Test	pH	AE	BN	Final Vol	Sample Desc. (Initial/Final)	SpikeAmt./Inv. ID	Comments
1	RQ1906296-01	MB		100mL	8270D SIM/1,4-Dioxane	7	X		2.00mL	Colorless	10.0000 uL/199760; 200.0000 uL/200359	
2	RQ1906296-02	LCS		100mL	8270D SIM/1,4-Dioxane	7	X		2.00mL	Colorless	10.0000 uL/199760; 200.0000 uL/197456; 200.0000 uL/200359	
3	RQ1906296-03	DLCS		100mL	8270D SIM/1,4-Dioxane	7	X		2.00mL	Colorless	10.0000 uL/199760; 200.0000 uL/200359; 200.0000 uL/197456	
4	R1905417-002RE	MW-27	.07	100mL	8270D SIM/1,4-Dioxane	7	X		2.00mL	Yellow	10.0000 uL/199760; 200.0000 uL/200359	
5	R1905642-003	MW-810DR 061719	.10	100mL	8270D SIM/1,4-Dioxane	14	X		2.00mL	Colorless	200.0000 uL/200359; 10.0000 uL/199760	
6	R1905642-006	MW804DR	.10	100mL	8270D SIM/1,4-Dioxane	7	X		2.00mL	Colorless	10.0000 uL/199760; 200.0000 uL/200359	
7	R1905642-007	MW-802S	.10	100mL	8270D SIM/1,4-Dioxane	7	X		2.00mL	Colorless	200.0000 uL/200359; 10.0000 uL/199760	
8	R1905642-009	MW-802R	.10	100mL	8270D SIM/1,4-Dioxane	7	X		2.00mL	Colorless	10.0000 uL/199760; 200.0000 uL/200359	
9	R1905642-011	MW-802DR	.10	100mL	8270D SIM/1,4-Dioxane	7	X		2.00mL	Colorless	10.0000 uL/199760; 200.0000 uL/200359	
10	R1905678-001	AVX-5I	.01	100mL	8270D SIM/1,4-Dioxane	7	X		2.00mL	Colorless	10.0000 uL/199760; 200.0000 uL/200359	
11	R1905678-002	AVX-5S	.01	100mL	8270D SIM/1,4-Dioxane	7	X		2.00mL	Colorless	10.0000 uL/199760; 200.0000 uL/200359	
12	R1905678-003	AVX-10S	.01	100mL	8270D SIM/1,4-Dioxane	7	X		2.00mL	Colorless	10.0000 uL/199760; 200.0000 uL/200359	
13	R1905678-004	AVX-24S	.01	100mL	8270D SIM/1,4-Dioxane	7	X		2.00mL	Colorless	10.0000 uL/199760; 200.0000 uL/200359	
14	R1905678-005	DUP-02	.01	100mL	8270D SIM/1,4-Dioxane	7	X		2.00mL	Colorless	200.0000 uL/200359; 10.0000 uL/199760	
15	R1905751-001	TS Effluent 061919	.01	100mL	8270D SIM/1,4-Dioxane	7	X		2.00mL	Colorless	10.0000 uL/199760; 200.0000 uL/200359	
16	RQ1906296-04	R1905751-001 MS	.01	100mL	8270D SIM/1,4-Dioxane	7	X		2.00mL	Colorless	200.0000 uL/200359; 10.0000 uL/199760; 200.0000 uL/197456	
17	RQ1906296-05	R1905751-001 DMS	.01	100mL	8270D SIM/1,4-Dioxane	7	X		2.00mL	Colorless	10.0000 uL/199760; 200.0000 uL/197456; 200.0000 uL/200359	
18	R1905751-002	HIPOx Discharge 061919	.01	100mL	8270D SIM/1,4-Dioxane	7	X		2.00mL	Colorless	200.0000 uL/200359; 10.0000 uL/199760	

Spiking Solutions

Name:	EPA 522 LCS Spike 5ppm	Inventory ID	197456	Logbook Ref:	Expires On:	09/01/2019
Name:	SVOA Tetrahydrofuran-D8 100ppm	Inventory ID	199760	Logbook Ref:	Expires On:	09/03/2019
Name:	1,4-Dioxane-d8 1ppm Surr. Std.	Inventory ID	200359	Logbook Ref:	Expires On:	12/19/2019

Preparation Information Benchsheet

Prep Run#: 339229
Team: Semivoa GCMS/JMISIUREWICZ

Prep WorkFlow: OrgExtSPEaq(7)
Prep Method: EPA 3535A

Status: Prepped
Prep Date/Time: 6/24/19 01:15

Preparation Materials

Method 522 400mg charcoal filters	(200298)	Eppendorf Pipette Repeater	EXT #17 (175854)	Water Deionized H2O	Millipore System (2263)
Dichloromethane (Methylene Chloride) 99.9% MeCl2	canister (199652)	Methanol Purge & Trap MeOH	196148 (196148)	Sodium Bisulfate Monohydrate RG	(193805)
pH Paper 0-14	(199608)	Prepared Sodium Sulfate Na2SO4	(200437)		

Preparation Steps

Step: Extraction
Started: 6/24/19 01:15
Finished: 6/24/19 15:00
By: JMISIUREWICZ
Comments

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Comments: _____

Reviewed By: _____ Date: 6/26/19 Spike Witness: BALLGEIER Date: _____

Chain of Custody

Relinquished By: _____ Date: _____ Extracts Examined

Received By: _____ Date: _____ Yes No

Preparation Information Benchsheet

Prep Run#: 338763
Team: Semivoa GCMS/JMISIUREWICZ

Prep WorkFlow: OrgExtSPEaq(7)
Prep Method: EPA 3535A

Status: Prepped
Prep Date/Time: 6/17/19 13:00

#	Lab Code	Client ID	B#	Amt. Ext.	Method /Test	pH	AE	BN	Final Vol	Sample Desc. (Initial/Final)	SpikeAmt./Inv. ID	Comments
1	RQ1905934-01	MB		100mL	8270D SIM/1,4-Dioxane	7	X		2.00mL	Colorless/Clear	10.0000 uL/199760; 200.0000 uL/198719	
2	RQ1905934-02	LCS		100mL	8270D SIM/1,4-Dioxane	7	X		2.00mL	Colorless/Clear	10.0000 uL/199760; 200.0000 uL/197456; 200.0000 uL/198719	
3	RQ1905934-03	DLCS		100mL	8270D SIM/1,4-Dioxane	7	X		2.00mL	Colorless/Clear	200.0000 uL/197456; 10.0000 uL/199760; 200.0000 uL/198719	
4	R1905169-006RE	1906050902X PL-8-455	.01	100mL	8270D SIM/1,4-Dioxane	7	X		2.00mL	Colorless/Clear	10.0000 uL/199760; 200.0000 uL/198719	
5	R1905417-002	MW-27	.07	100mL	8270D SIM/1,4-Dioxane	7	X		2.00mL	Yellow	10.0000 uL/199760; 200.0000 uL/198719	
6	R1905417-003	MW-15	.07	100mL	8270D SIM/1,4-Dioxane	7	X		2.00mL	light Yellow	200.0000 uL/198719; 10.0000 uL/199760	
7	R1905473-001	AVX-22S	.01	100mL	8270D SIM/1,4-Dioxane	7	X		2.00mL	Colorless/Clear	200.0000 uL/198719; 10.0000 uL/199760	
8	RQ1905934-04	R1905473-001 MS	.02	100mL	8270D SIM/1,4-Dioxane	7	X		2.00mL	Colorless/Clear	200.0000 uL/197456; 200.0000 uL/198719; 10.0000 uL/199760	
9	RQ1905934-05	R1905473-001 DMS	.02	100mL	8270D SIM/1,4-Dioxane	7	X		2.00mL	Colorless/Clear	10.0000 uL/199760; 200.0000 uL/197456; 200.0000 uL/198719	
10	R1905473-002	AVX-23S	.01	100mL	8270D SIM/1,4-Dioxane	7	X		2.00mL	Colorless/Clear	10.0000 uL/199760; 200.0000 uL/198719	
11	R1905473-003	AVX-20S	.01	100mL	8270D SIM/1,4-Dioxane	7	X		2.00mL	Colorless/Clear	200.0000 uL/198719; 10.0000 uL/199760	
12	R1905473-004	AVX-18S	.01	100mL	8270D SIM/1,4-Dioxane	7	X		2.00mL	Colorless/Clear	200.0000 uL/198719; 10.0000 uL/199760	
13	R1905473-005	AVX-19S	.01	100mL	8270D SIM/1,4-Dioxane	7	X		2.00mL	Colorless/Clear	200.0000 uL/198719; 10.0000 uL/199760	
14	R1905473-006	AVX-21S	.01	100mL	8270D SIM/1,4-Dioxane	7	X		2.00mL	Colorless/Clear	10.0000 uL/199760; 200.0000 uL/198719	
15	R1905473-007	AVX-9S	.01	100mL	8270D SIM/1,4-Dioxane	7	X		2.00mL	Colorless/Clear	200.0000 uL/198719; 10.0000 uL/199760	
16	R1905473-008	AVX-17S	.01	100mL	8270D SIM/1,4-Dioxane	7	X		2.00mL	Colorless/Clear	200.0000 uL/198719; 10.0000 uL/199760	
17	R1905479-007	1906111021A ST-6-528	.01	100mL	8270D SIM/1,4-Dioxane	7	X		2.00mL	Colorless/Clear	200.0000 uL/198719; 10.0000 uL/199760	
18	R1905473-009	AVX-2A	.01	100mL	8270D SIM/1,4-Dioxane	7	X		2.00mL	Colorless/Clear	200.0000 uL/198719; 10.0000 uL/199760	
19	R1905473-010	AVX-14D	.01	100mL	8270D SIM/1,4-Dioxane	7	X		2.00mL	Colorless/Clear	10.0000 uL/199760; 200.0000 uL/198719	
20	R1905473-011	AVX-2B	.01	100mL	8270D SIM/1,4-Dioxane	12	X		2.00mL	Colorless/Clear	200.0000 uL/198719; 10.0000 uL/199760	
21	R1905473-012	DUP-01	.01	100mL	8270D SIM/1,4-Dioxane	7	X		2.00mL	Colorless/Clear	10.0000 uL/199760; 200.0000 uL/198719	
22	R1905473-013	AVX-19D	.01	100mL	8270D SIM/1,4-Dioxane	7	X		2.00mL	Colorless/Clear	200.0000 uL/198719; 10.0000 uL/199760	
23	R1905479-008	1906111040A ST-6-568	.01	100mL	8270D SIM/1,4-Dioxane	7	X		2.00mL	Colorless/Clear	200.0000 uL/198719; 10.0000 uL/199760	

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Preparation Information Benchsheet

Prep Run#: 338763
Team: Semivoa GCMS/JMISIUREWICZ

Prep WorkFlow: OrgExtSPEaq(7)
Prep Method: EPA 3535A

Status: Prepped
Prep Date/Time: 6/17/19 13:00

Spiking Solutions

Name:	EPA 522 LCS Spike 5ppm	Inventory ID	197456	Logbook Ref:	Expires On:	09/01/2019
Name:	1,4-Dioxane-d8 1ppm Surr. Std.	Inventory ID	198719	Logbook Ref:	Expires On:	10/18/2019
Name:	SVOA Tetrahydrofuran-D8 100ppm	Inventory ID	199760	Logbook Ref:	Expires On:	09/03/2019

Preparation Materials

Method 522 400mg charcoal filters	(200298)	Eppendorf Pipette Repeater	EXT #17 (175854)	Water Deionized H2O	Millipore System (2263)
Dichloromethane (Methylene Chloride) 99.9% MeCl2	canister (199652)	Methanol Purge & Trap MeOH	196148 (196148)	Sodium Bisulfate Monohydrate RG	(193805)
pH Paper 0-14	(199608)	Prepared Sodium Sulfate Na2SO4	(200126)		

Preparation Steps

Step: Extraction
Started: 6/17/19 13:00
Finished: 6/17/19 15:30
By: JMISIUREWICZ
Comments

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Comments:

Reviewed By: _____ Date: 6/17/19 Spike Witness: VSTAUFFER Date: _____

Chain of Custody

Relinquished By: _____ Date: _____ Extracts Examined

Received By: _____ Date: _____ Yes No

Semivolatile Organic Compounds by GC

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 12:00
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-16	**Units:**	ug/L
Lab Code:	R1905417-001	**Basis:**	NA

Carbonyl Compounds by High Performance Liquid Chromatography (HPLC)

Analysis Method: 8315A
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Formaldehyde	**8.8 J**	20	6.1	1	06/14/19 12:15	6/13/19	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 12:22
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-27	**Units:**	ug/L
Lab Code:	R1905417-002	**Basis:**	NA

Carbonyl Compounds by High Performance Liquid Chromatography (HPLC)

Analysis Method: 8315A
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Formaldehyde	**66**	20	6.1	1	06/14/19 12:37	6/13/19	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 09:40
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	OW-10R	**Units:**	ug/L
Lab Code:	R1905417-009	**Basis:**	NA

Carbonyl Compounds by High Performance Liquid Chromatography (HPLC)

Analysis Method: 8315A
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Formaldehyde	**53**	20	6.1	1	06/14/19 11:53	6/13/19	

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\HPLC06\Data\061419\
Data File : A0004263.D
Signal(s) : dad1A.ch
Acq On : 14-Jun-2019, 12:15:31
Operator : b.allgeier
Sample : mw-16 r1905417-001
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: EVENTS.E
Quant Time: Jun 14 16:23:14 2019
Quant Method : I:\ACQUDATA\HPLC06\Methods\FORM090418A.M
Quant Title : explosives by 8330a
QLast Update : Fri Jun 14 11:12:14 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 50uL
Signal Phase : dionex E1
Signal Info : 210nm agilent 1100

Compound	R.T.	Response	Conc	Units
Target Compounds				
1) t Formaldehyde	6.428	713098	8.841	ppb
2) t Acetaldehyde	10.128	49033	<MDL	ppb

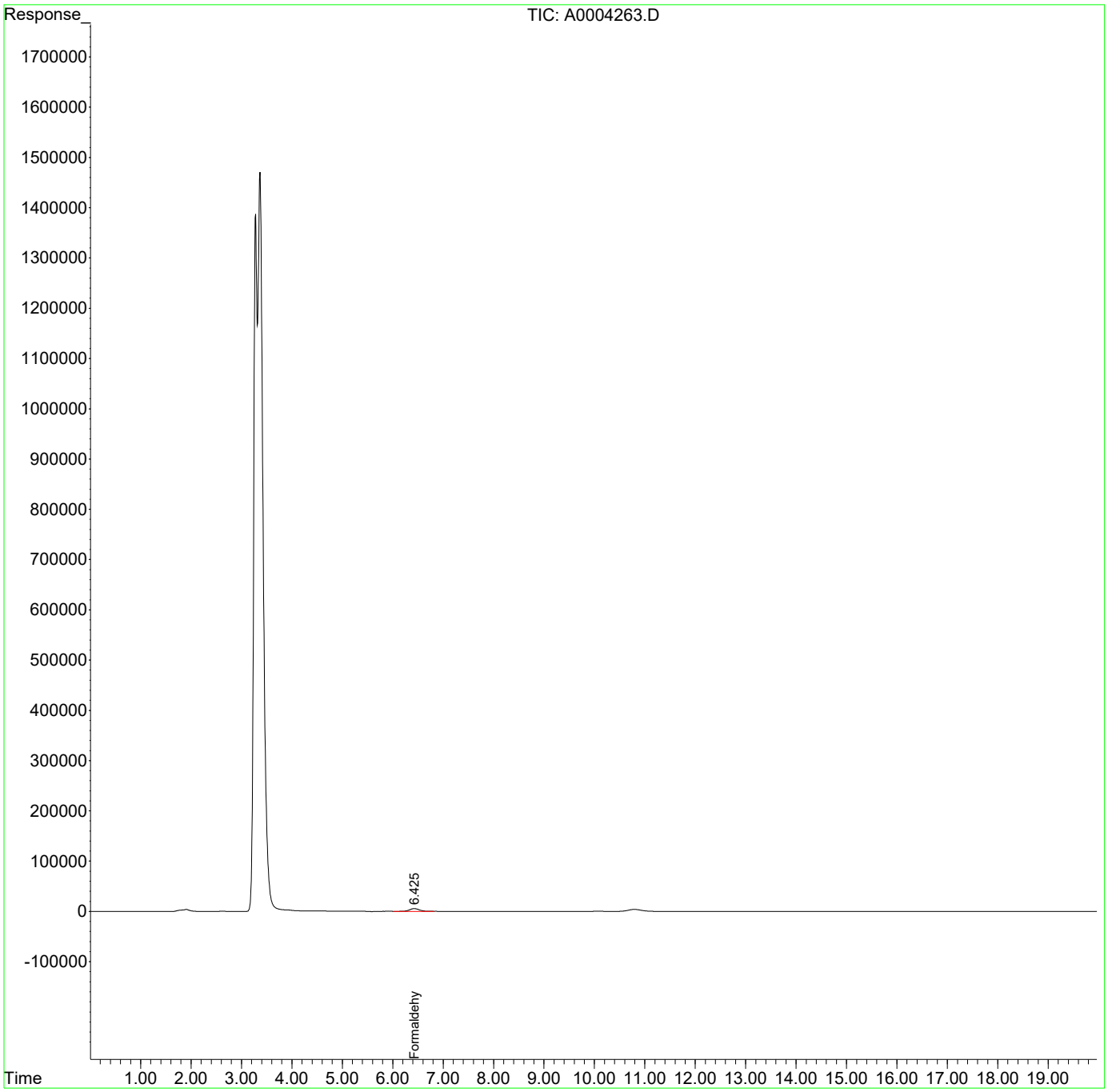
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\HPLC06\Data\061419\
Data File : A0004263.D
Signal(s) : dad1A.ch
Acq On : 14-Jun-2019, 12:15:31
Operator : b.allgeier
Sample : mw-16
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: EVENTS.E
Quant Time: Jun 14 16:23:14 2019
Quant Method : I:\ACQUDATA\HPLC06\Methods\FORM090418A.M
Quant Title : explosives by 8330a
QLast Update : Fri Jun 14 11:12:14 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 50uL
Signal Phase : dionex E1
Signal Info : 210nm agilent 1100



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\HPLC06\Data\061419\
Data File : A0004264.D
Signal(s) : dad1A.ch
Acq On : 14-Jun-2019, 12:37:31
Operator : b.allgeier
Sample : mw-27
Misc : r1905417-002
ALS Vial : 7 Sample Multiplier: 1

Integration File: EVENTS.E
Quant Time: Jun 14 16:23:16 2019
Quant Method : I:\ACQUDATA\HPLC06\Methods\FORM090418A.M
Quant Title : explosives by 8330a
QLast Update : Fri Jun 14 11:12:14 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 50uL
Signal Phase : dionex E1
Signal Info : 210nm agilent 1100

Compound	R.T.	Response	Conc	Units
Target Compounds				
1) t Formaldehyde	6.432	2421837	65.774	ppb
2) t Acetaldehyde	10.038	31698	5539.751	ppb

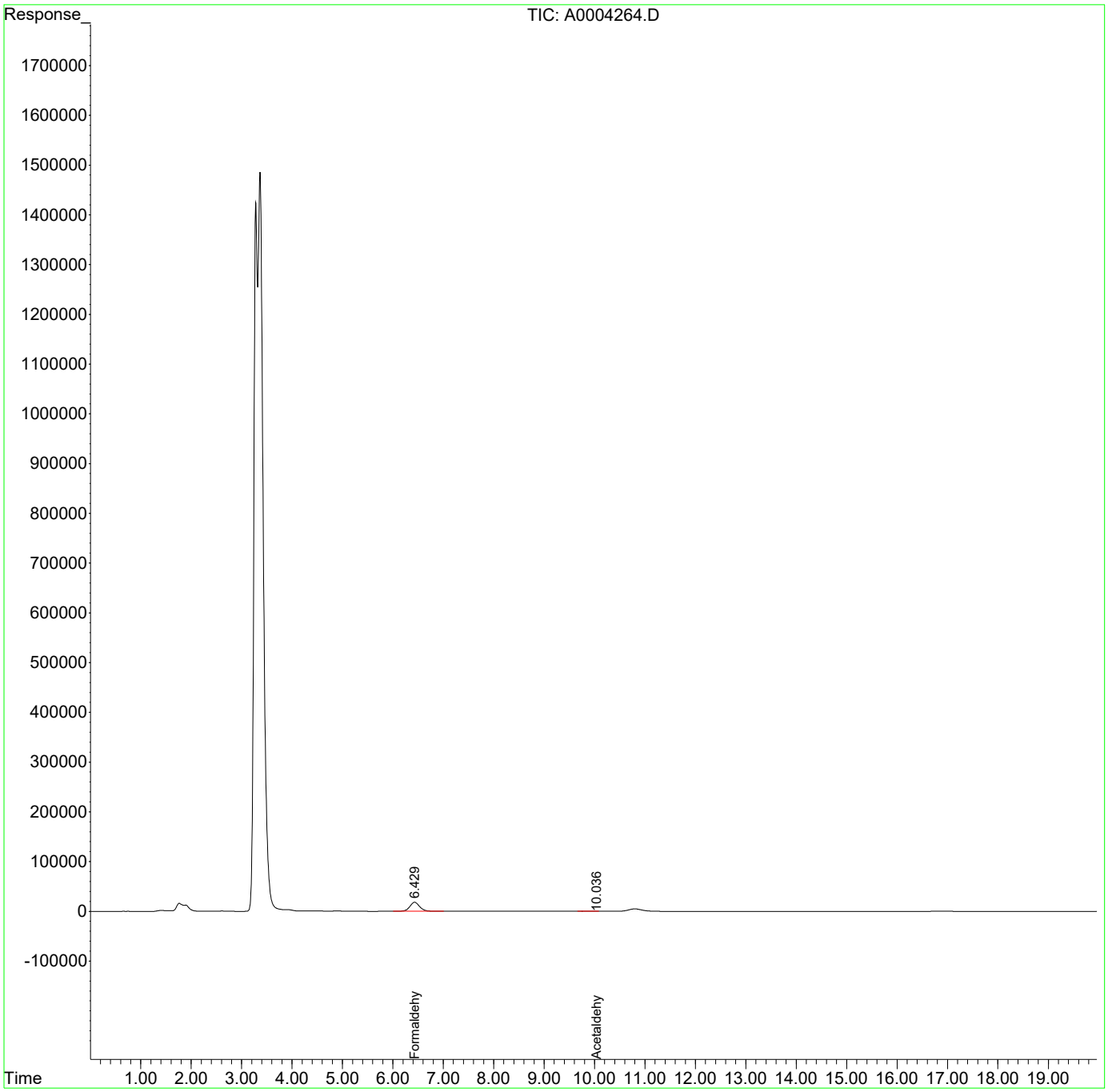
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\HPLC06\Data\061419\
Data File : A0004264.D
Signal(s) : dad1A.ch
Acq On : 14-Jun-2019, 12:37:31
Operator : b.allgeier
Sample : mw-27
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: EVENTS.E
Quant Time: Jun 14 16:23:16 2019
Quant Method : I:\ACQUDATA\HPLC06\Methods\FORM090418A.M
Quant Title : explosives by 8330a
QLast Update : Fri Jun 14 11:12:14 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 50uL
Signal Phase : dionex E1
Signal Info : 210nm agilent 1100



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\HPLC06\Data\061419\
Data File : A0004262.D
Signal(s) : dad1A.ch
Acq On : 14-Jun-2019, 11:53:21
Operator : b.allgeier
Sample : ow 10r r1905417-009
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: EVENTS.E
Quant Time: Jun 14 16:23:12 2019
Quant Method : I:\ACQUDATA\HPLC06\Methods\FORM090418A.M
Quant Title : explosives by 8330a
QLast Update : Fri Jun 14 11:12:14 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 50uL
Signal Phase : dionex E1
Signal Info : 210nm agilent 1100

Compound	R.T.	Response	Conc Units
Target Compounds			
1) t Formaldehyde	6.427	2052041	53.335 ppb
2) t Acetaldehyde	10.083	75346	1.705 ppb

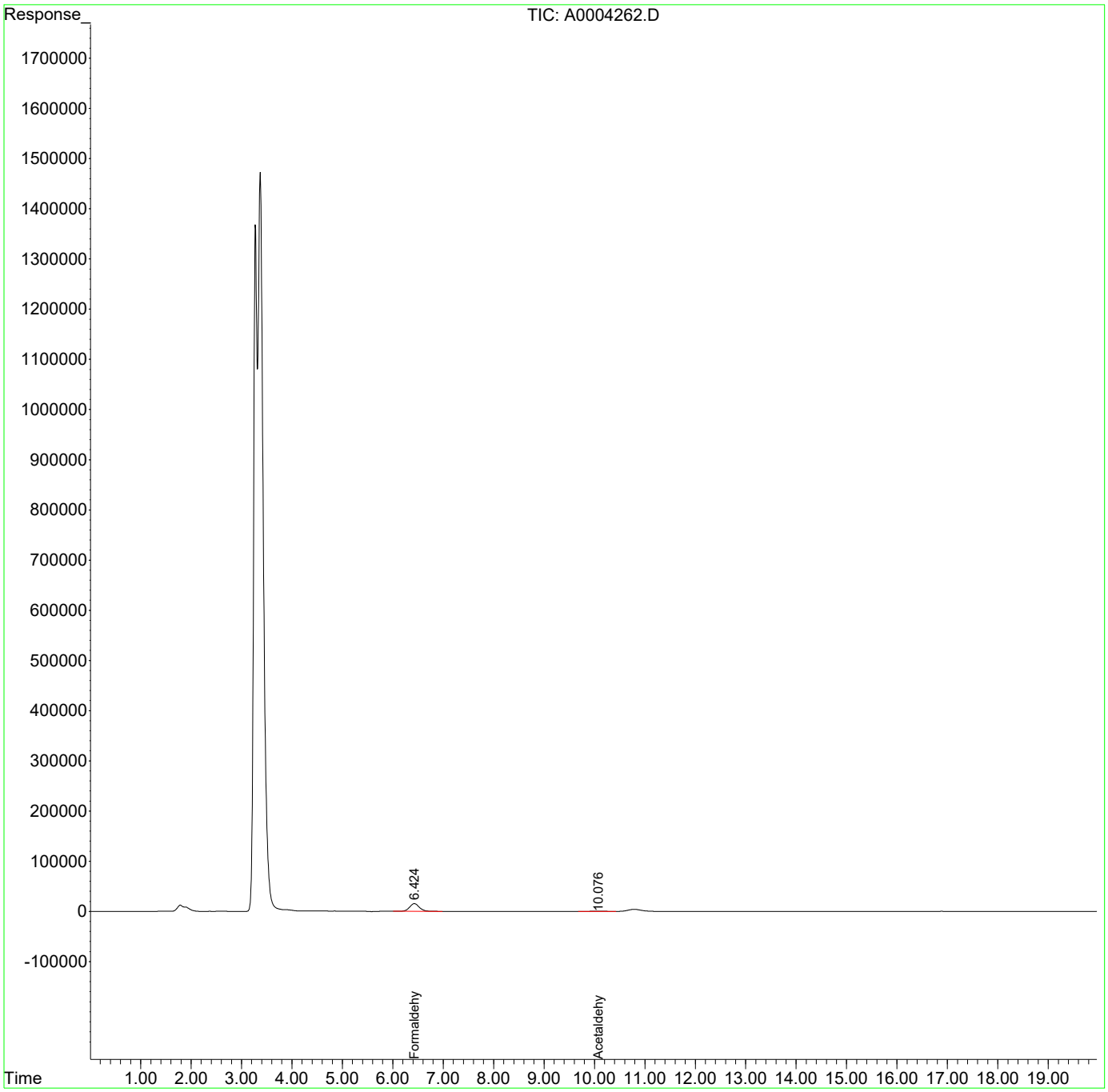
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\HPLC06\Data\061419\
Data File : A0004262.D
Signal(s) : dad1A.ch
Acq On : 14-Jun-2019, 11:53:21
Operator : b.allgeier
Sample : ow 10r
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: EVENTS.E
Quant Time: Jun 14 16:23:12 2019
Quant Method : I:\ACQUDATA\HPLC06\Methods\FORM090418A.M
Quant Title : explosives by 8330a
QLast Update : Fri Jun 14 11:12:14 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 50uL
Signal Phase : dionex E1
Signal Info : 210nm agilent 1100



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\HPLC06\Data\061419\
Data File : A0004259.D
Signal(s) : dad1A.ch
Acq On : 14-Jun-2019, 10:46:53
Operator : b.allgeier
Sample : met blk
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: EVENTS.E
Quant Time: Jun 14 16:23:06 2019
Quant Method : I:\ACQUDATA\HPLC06\Methods\FORM090418A.M
Quant Title : explosives by 8330a
QLast Update : Fri Jun 14 11:12:14 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 50uL
Signal Phase : dionex E1
Signal Info : 210nm agilent 1100

Compound	R.T.	Response	Conc	Units	
Target Compounds					
1) t Formaldehyde	0.000	0	N.D.	ppb	d
2) t Acetaldehyde	10.115	56914	<MDL	ppb	

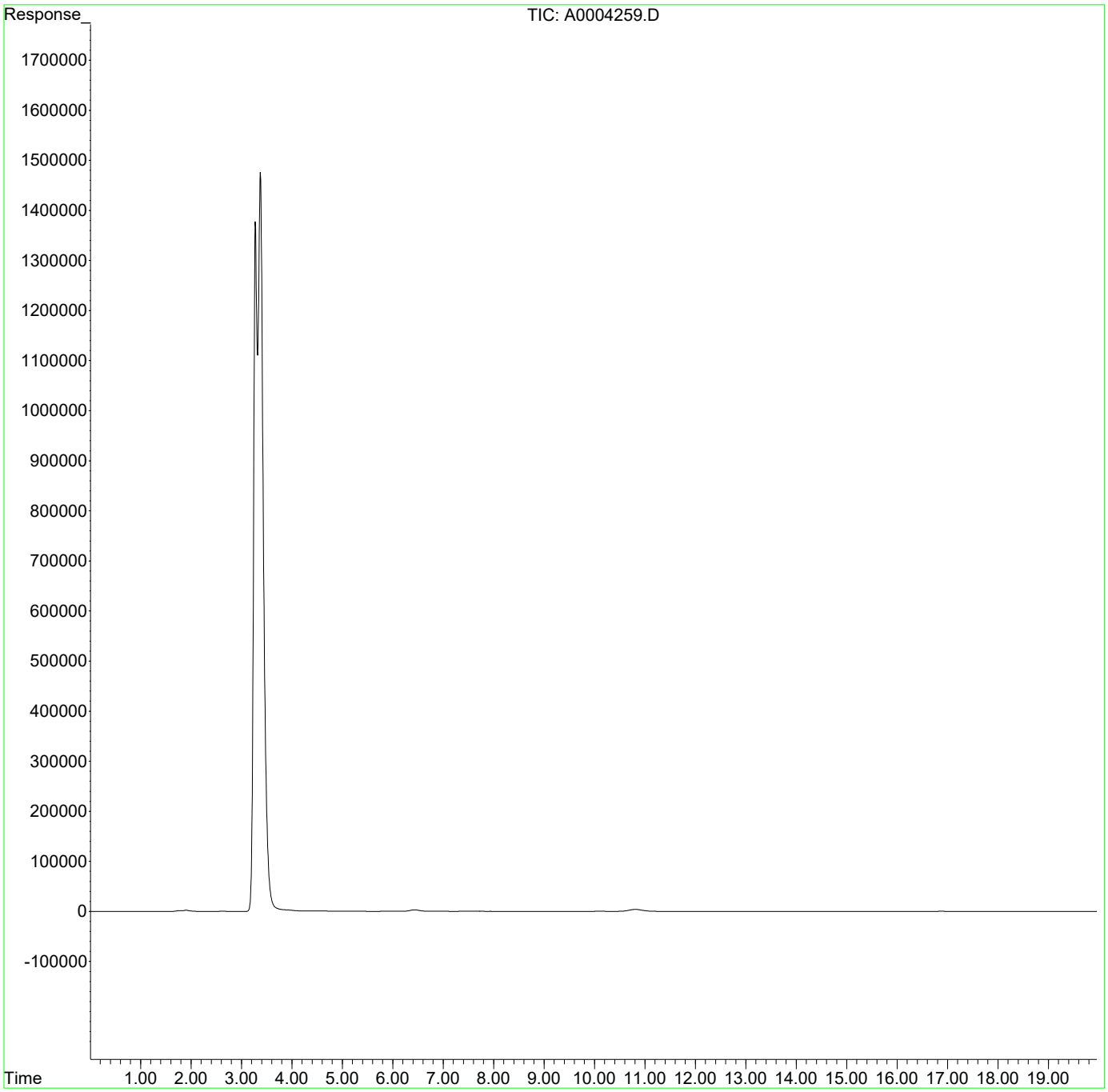
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\HPLC06\Data\061419\
Data File : A0004259.D
Signal(s) : dad1A.ch
Acq On : 14-Jun-2019, 10:46:53
Operator : b.allgeier
Sample : met blk
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: EVENTS.E
Quant Time: Jun 14 16:23:06 2019
Quant Method : I:\ACQUDATA\HPLC06\Methods\FORM090418A.M
Quant Title : explosives by 8330a
QLast Update : Fri Jun 14 11:12:14 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 50uL
Signal Phase : dionex E1
Signal Info : 210nm agilent 1100



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\HPLC06\Data\061419\
Data File : A0004260.D
Signal(s) : dad1A.ch
Acq On : 14-Jun-2019, 11:09:08
Operator : b.allgeier
Sample : lcs
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: EVENTS.E
Quant Time: Jun 14 16:23:08 2019
Quant Method : I:\ACQUDATA\HPLC06\Methods\FORM090418A.M
Quant Title : explosives by 8330a
QLast Update : Fri Jun 14 11:12:14 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 50uL
Signal Phase : dionex E1
Signal Info : 210nm agilent 1100

Compound	R.T.	Response	Conc Units
Target Compounds			
1) t Formaldehyde	6.435	1658668	40.176 ppb
2) t Acetaldehyde	10.079	351383	15.991 ppb

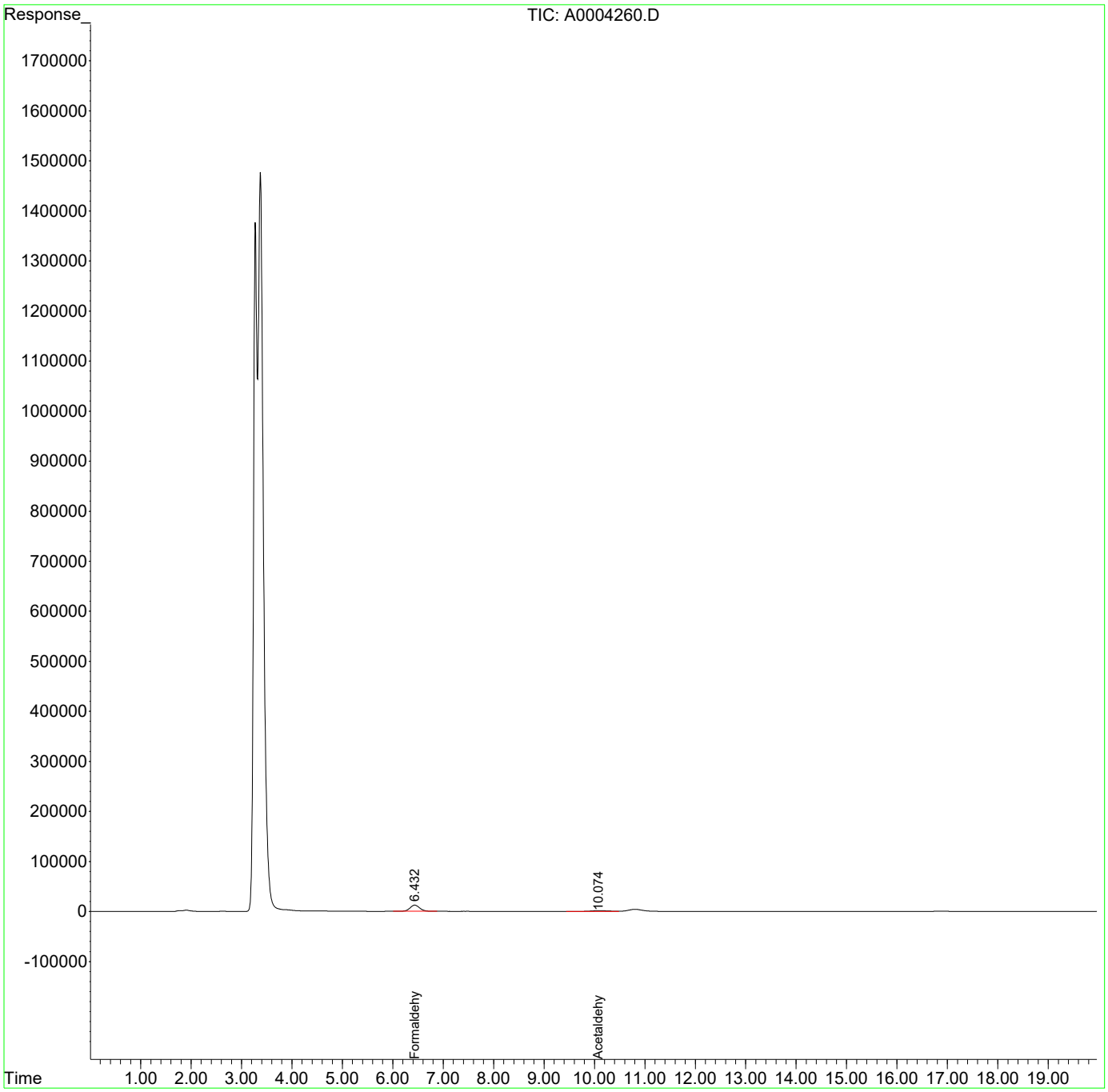
(f)=RT Delta > 1/2 Window (m)=manual int.

1st BA 06/17/19
2nd MP 06/19/19

Data Path : I:\ACQUDATA\HPLC06\Data\061419\
Data File : A0004260.D
Signal(s) : dad1A.ch
Acq On : 14-Jun-2019, 11:09:08
Operator : b.allgeier
Sample : lcs
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: EVENTS.E
Quant Time: Jun 14 16:23:08 2019
Quant Method : I:\ACQUDATA\HPLC06\Methods\FORM090418A.M
Quant Title : explosives by 8330a
QLast Update : Fri Jun 14 11:12:14 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 50uL
Signal Phase : dionex E1
Signal Info : 210nm agilent 1100



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\HPLC06\Data\061419\
Data File : A0004261.D
Signal(s) : dad1A.ch
Acq On : 14-Jun-2019, 11:31:22
Operator : b.allgeier
Sample : lcsd
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: EVENTS.E
Quant Time: Jun 14 16:23:10 2019
Quant Method : I:\ACQUDATA\HPLC06\Methods\FORM090418A.M
Quant Title : explosives by 8330a
QLast Update : Fri Jun 14 11:12:14 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 50uL
Signal Phase : dionex E1
Signal Info : 210nm agilent 1100

Compound	R.T.	Response	Conc	Units
Target Compounds				
1) t Formaldehyde	6.427	1660692	40.243	ppb
2) t Acetaldehyde	10.063	356338	16.248	ppb

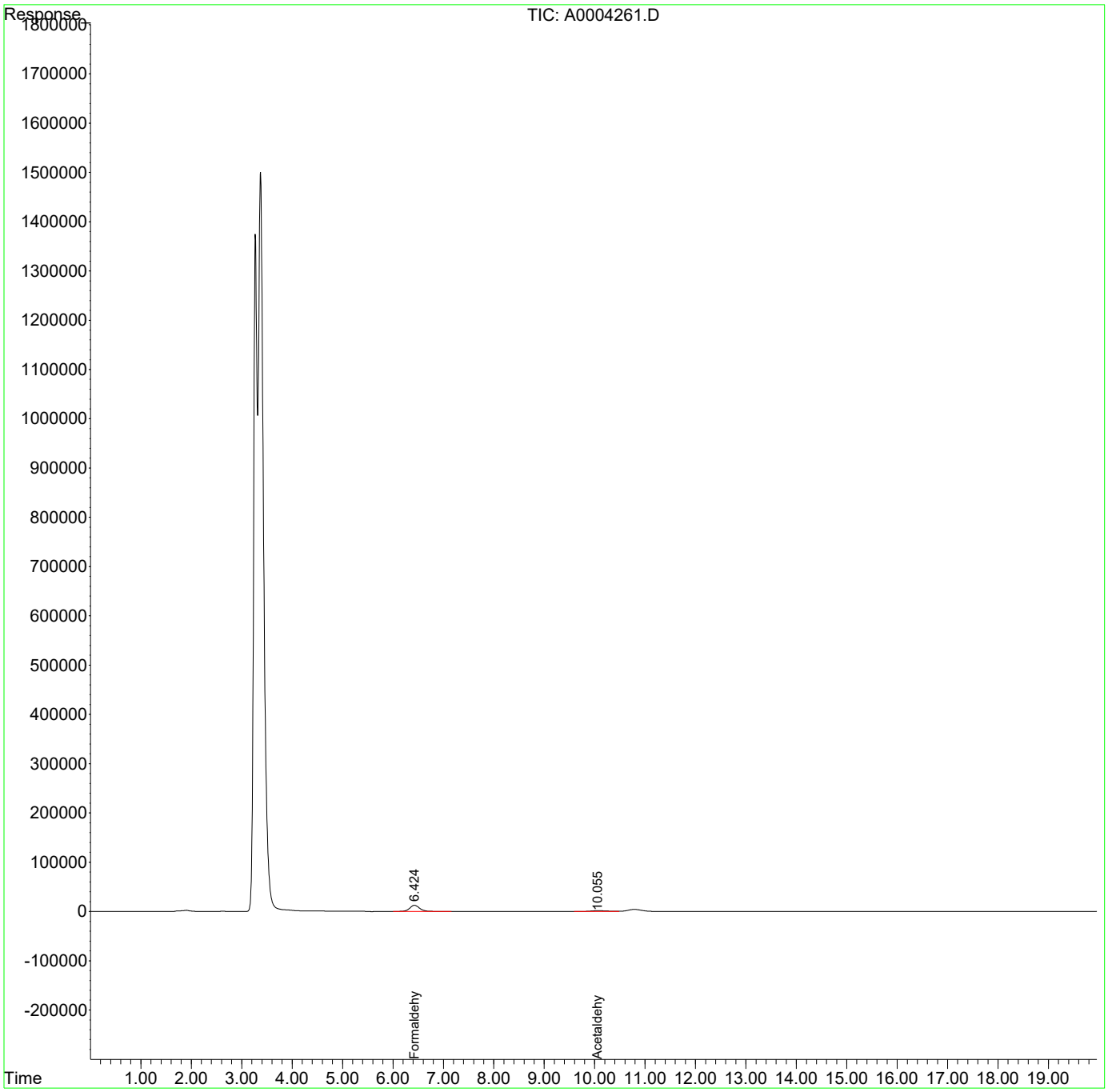
(f)=RT Delta > 1/2 Window (m)=manual int.

1st BA 06/17/19
2nd MP 06/19/19

Data Path : I:\ACQUDATA\HPLC06\Data\061419\
Data File : A0004261.D
Signal(s) : dad1A.ch
Acq On : 14-Jun-2019, 11:31:22
Operator : b.allgeier
Sample : lcsd
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: EVENTS.E
Quant Time: Jun 14 16:23:10 2019
Quant Method : I:\ACQUDATA\HPLC06\Methods\FORM090418A.M
Quant Title : explosives by 8330a
QLast Update : Fri Jun 14 11:12:14 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 50uL
Signal Phase : dionex E1
Signal Info : 210nm agilent 1100



ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:**R1905417
Project: Former Borden Facility/08212777

Analysis Run Log
Carbonyl Compounds by High Performance Liquid Chromatography (HPLC)

Analysis Method: 8315A **Analysis Lot:**639543
Instrument ID:R-HPLC-06

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\HPLC06\Data\061419\A0004259.D\	Method Blank	RQ1905802-01	6/14/2019	10:46:53	
I:\ACQUDATA\HPLC06\Data\061419\A0004260.D\	Lab Control Sample	RQ1905802-02	6/14/2019	11:09:08	
I:\ACQUDATA\HPLC06\Data\061419\A0004261.D\	Duplicate Lab Control Sample	RQ1905802-03	6/14/2019	11:31:22	
I:\ACQUDATA\HPLC06\Data\061419\A0004262.D\	OW-10R	R1905417-009	6/14/2019	11:53:21	
I:\ACQUDATA\HPLC06\Data\061419\A0004263.D\	MW-16	R1905417-001	6/14/2019	12:15:31	
I:\ACQUDATA\HPLC06\Data\061419\A0004264.D\	MW-27	R1905417-002	6/14/2019	12:37:31	
I:\ACQUDATA\HPLC06\Data\061419\A0004266.D\	ZZZZZZZ	ZZZZZZZ	6/14/2019	13:21:39	

Analysis: 8315, FORM Analyst: BA Run Method: FORM0901418A

Date: 6/14/19 Instr. _HPLC06_ Quant Method: FORM

LIMS Run#: 639543

Setup: Column: Supelcosil LC18DB Col.Temp: 40 Flow: 1.0ml/min

Mobile Phase: 50/50 MeOH/H2O ul Inj.: 15

Mobile Phase ID:

Pos.	Sample	Diln.	Stds. ID	File#	OK?	Comments
	BLK			A000456	—	
	BLK			57	—	
	CCV		179611	58	YC	
	MET BLK			59	Y	
	LCS			60	Y	
	LCSD			61	Y	
	OWLOR			62	Y	
	MW-16			63	Y	
	MW-27			64	Y	
	R1905267-001	50		65	N	
	-001	200		66	Y	
	CCV		179611	67	YC	

6/14/19

Primary: 179611 exp: 9/3/19 Secondary: _____ exp:

pH Paper: _____ Acid: _____

Runlog HPLCr2
3/23/18

O-1012 Page 1

Prep Summary Report

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:**R1905417
Project: Former Borden Facility/08212777
Sample Matrix: Water

Carbonyl Compounds by High Performance Liquid Chromatography (HPLC)

Prep Method: Method **Extraction Lot:** 338594
Analytical Method: 8315A **Extraction Date:** 06/13/19 08:23

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Amount	Percent Solids
MW-16	R1905417-001	6/10/19	6/12/19	100 mL	100 mL	
MW-27	R1905417-002	6/10/19	6/12/19	100 mL	100 mL	
OW-10R	R1905417-009	6/10/19	6/12/19	100 mL	100 mL	
Method Blank	RQ1905802-01MB	NA	NA	100 mL	100 mL	
Lab Control Sample	RQ1905802-02LCS	NA	NA	100 mL	100 mL	
Duplicate Lab Control Sample	RQ1905802-03DLCS	NA	NA	100 mL	100 mL	

Preparation Information Benchsheet

Prep Run#: 338594 **Prep WorkFlow:** OrgExtCarbnylAq **Status:** Prepped
Team: Semivoa GC/BALLGEIER **Prep Method:** Method **Prep Date/Time:** 6/13/19 08:23

#	Lab Code	Client ID	B#	Amt. Ext.	Method /Test	pH	AE	BN	Final Vol	Sample Desc. (Initial/Final)	SpikeAmt./Inv. ID	Comments
1	RQ1905802-01	MB		100mL	8315A/CARBONYLS	4.91			100.00mL			
2	RQ1905802-02	LCS		100mL	8315A/CARBONYLS	4.94			100.00mL		40.0000 uL/196367	
3	RQ1905802-03	DLCS		100mL	8315A/CARBONYLS	4.90			100.00mL		40.0000 uL/196367	
4	R1905267-001	MS #2	.10	100mL	8315A/CARBONYLS	4.93			100.00mL			
5	R1905417-001	MW-16	.04	100mL	8315A/CARBONYLS	5.01			100.00mL			
6	R1905417-002	MW-27	.07	100mL	8315A/CARBONYLS	4.95			100.00mL			
7	R1905417-009	MW-10R	.04	100mL	8315A/CARBONYLS	4.98			100.00mL			

Spiking Solutions

Name: formaldehyde+acetaldehyde `2 working Inventory ID 196367 Logbook Ref: Expires On: 07/16/2019

Preparation Materials

70% Acetonitrile in Water	(199649)	Acetic acid buffer	(200051)	Acetonitrile HPLC	(197428)
Diluted acetic acid buffer	(199537)	DNPH Soultion 3.0 mg/mL	(199534)	Water	(199968)
Sodium Chloride, Saturated Solution	(199530)	Solid Phase Extraction Cartridges 2 gram	(199536)		

Preparation Steps

Step: Extraction
Started: 6/13/19 08:23
Finished: 6/13/19 16:00
By: BALLGEIER
Comments

1151 of 1819

Comments:

Reviewed By: Date: 6/17/19 Spike Witness: AMOSES Date:

Chain of Custody

Relinquished By: Date:

Received By: Date:

Extracts Examined
Yes No

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 13:20
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-2B	**Units:**	ug/L
Lab Code:	R1905417-010	**Basis:**	NA

Low Level Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.037 U	0.047	0.037	1	06/18/19 14:57	6/14/19	
Aroclor 1221	0.035 U	0.047	0.035	1	06/18/19 14:57	6/14/19	
Aroclor 1232	0.025 U	0.047	0.025	1	06/18/19 14:57	6/14/19	
Aroclor 1242	0.025 U	0.047	0.025	1	06/18/19 14:57	6/14/19	
Aroclor 1248	0.027 U	0.047	0.027	1	06/18/19 14:57	6/14/19	
Aroclor 1254	0.025 U	0.047	0.025	1	06/18/19 14:57	6/14/19	
Aroclor 1260	0.025 U	0.047	0.025	1	06/18/19 14:57	6/14/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	64	10 - 125	06/18/19 14:57	
Tetrachloro-m-xylene	67	18 - 126	06/18/19 14:57	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 13:50
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-17	**Units:**	ug/L
Lab Code:	R1905417-011	**Basis:**	NA

Low Level Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.037 U	0.047	0.037	1	06/18/19 15:17	6/14/19	
Aroclor 1221	0.035 U	0.047	0.035	1	06/18/19 15:17	6/14/19	
Aroclor 1232	0.025 U	0.047	0.025	1	06/18/19 15:17	6/14/19	
Aroclor 1242	0.025 U	0.047	0.025	1	06/18/19 15:17	6/14/19	
Aroclor 1248	**0.10**	0.047	0.027	1	06/18/19 15:17	6/14/19	
Aroclor 1254	0.025 U	0.047	0.025	1	06/18/19 15:17	6/14/19	
Aroclor 1260	0.025 U	0.047	0.025	1	06/18/19 15:17	6/14/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	62	10 - 125	06/18/19 15:17	
Tetrachloro-m-xylene	72	18 - 126	06/18/19 15:17	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 12:45
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-21	**Units:**	ug/L
Lab Code:	R1905417-012	**Basis:**	NA

Low Level Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.037 U	0.047	0.037	1	06/18/19 15:36	6/14/19	
Aroclor 1221	0.035 U	0.047	0.035	1	06/18/19 15:36	6/14/19	
Aroclor 1232	0.025 U	0.047	0.025	1	06/18/19 15:36	6/14/19	
Aroclor 1242	0.025 U	0.047	0.025	1	06/18/19 15:36	6/14/19	
Aroclor 1248	0.027 U	0.047	0.027	1	06/18/19 15:36	6/14/19	
Aroclor 1254	0.025 U	0.047	0.025	1	06/18/19 15:36	6/14/19	
Aroclor 1260	0.025 U	0.047	0.025	1	06/18/19 15:36	6/14/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	50	10 - 125	06/18/19 15:36	
Tetrachloro-m-xylene	69	18 - 126	06/18/19 15:36	

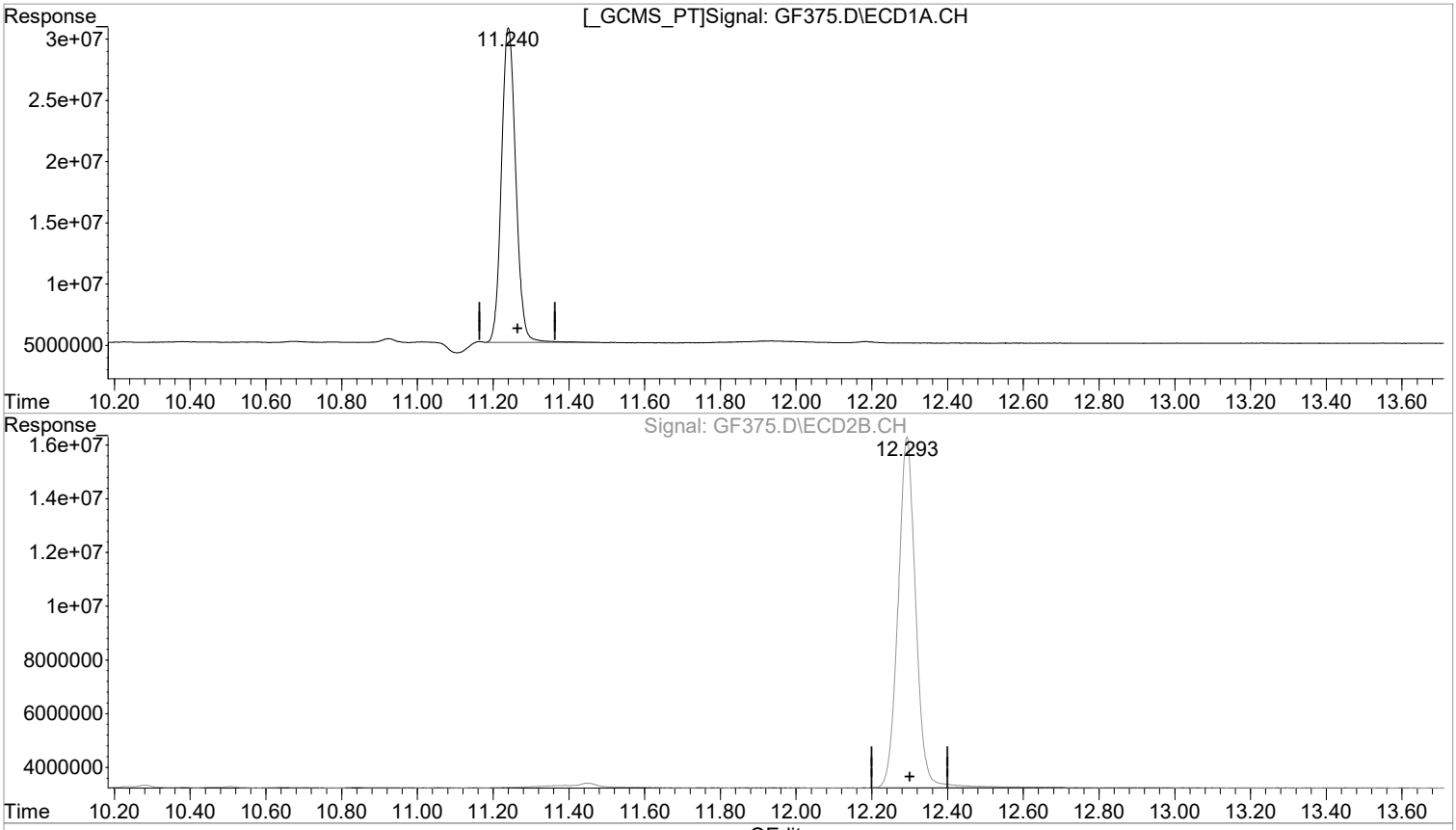
1st AM 06/19/19
2nd MP 06/19/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\6890D\DATA\061819\
Data File : GF375.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jun 2019 2:57 pm
Operator :
Sample : r1905417-010
Misc : 338709 LL
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 18 18:03:24 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:45:07 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

(2) SURR2,Decachlorobiphenyl (S)
11.240min 32.149 ug/l m
response 671821761

(2) SURR2,Decachlorobiphenyl #2 (S)
12.293min 34.340 ug/l m
response 423041774

Manual Integration:
After
Poor integration.
06/19/19

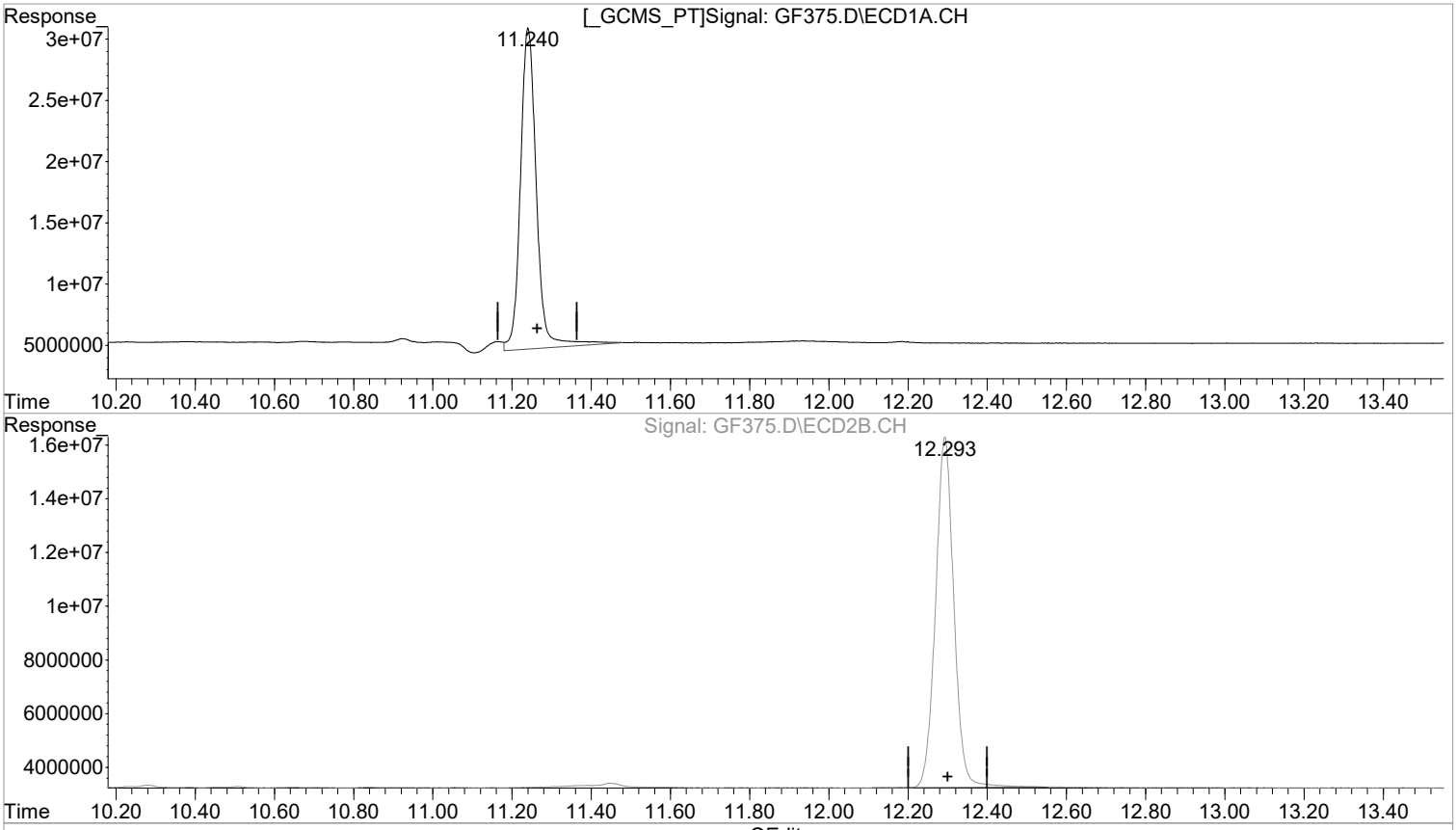
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\6890D\DATA\061819\
Data File : GF375.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jun 2019 2:57 pm
Operator :
Sample : r1905417-010
Misc : 338709 LL
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 18 18:03:24 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:45:07 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

(2) SURR2,Decachlorobiphenyl (S)

11.240min 35.173 ug/l

response 735010130

(2) SURR2,Decachlorobiphenyl #2 (S)

12.293min 34.035 ug/l

response 419275412

Manual Integration:

Before

06/19/19

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\6890D\DATA\061819\
Data File : GF375.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jun 2019 2:57 pm
Operator :
Sample : r1905417-010
Misc : 338709 LL
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 18 18:03:24 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:45:07 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
System Monitoring Compounds						
1) S SURR1, TCMX	4.503	4.584	1071.2E6	537.2E6	33.647	34.014
Spiked Amount	100.000	Range 30 - 150	Recovery =		33.65%	34.01%
2) S SURR2,Dec...	11.240	12.293	671.8E6	423.0E6	32.149m	34.340m
Spiked Amount	100.000	Range 30 - 150	Recovery =		32.15%	34.34%
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

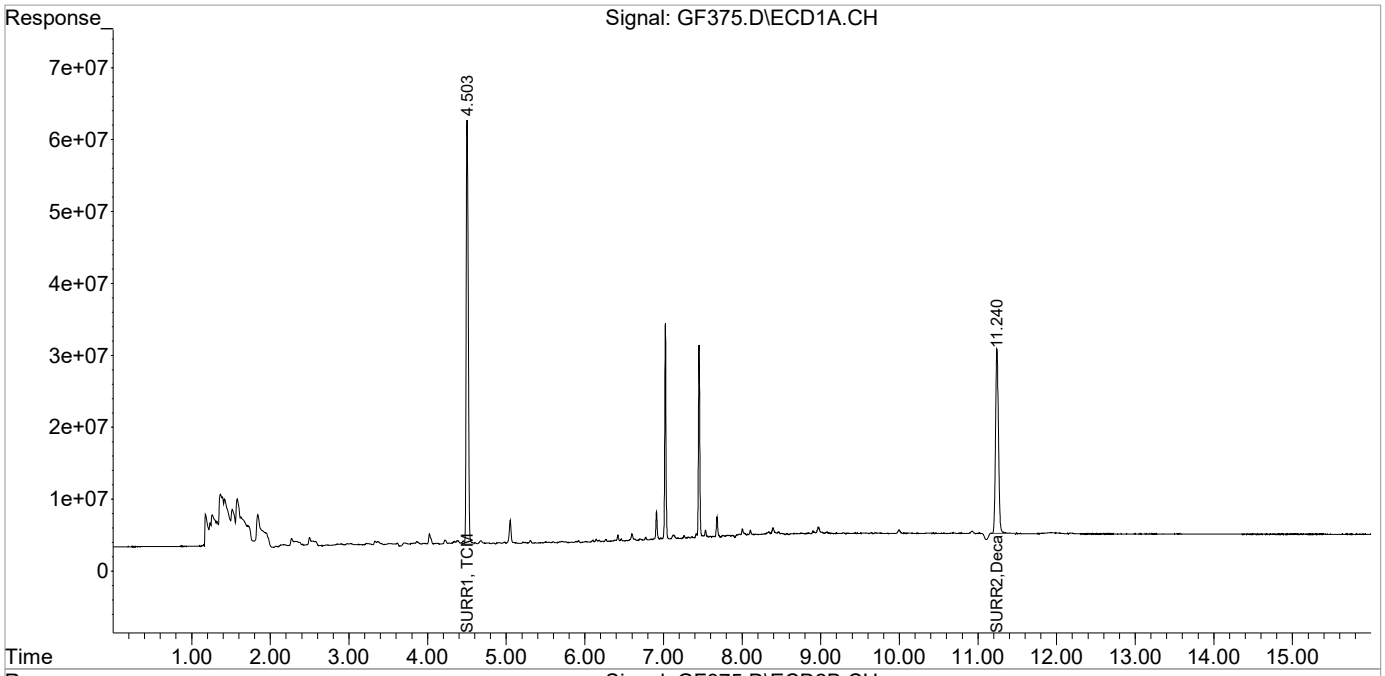
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

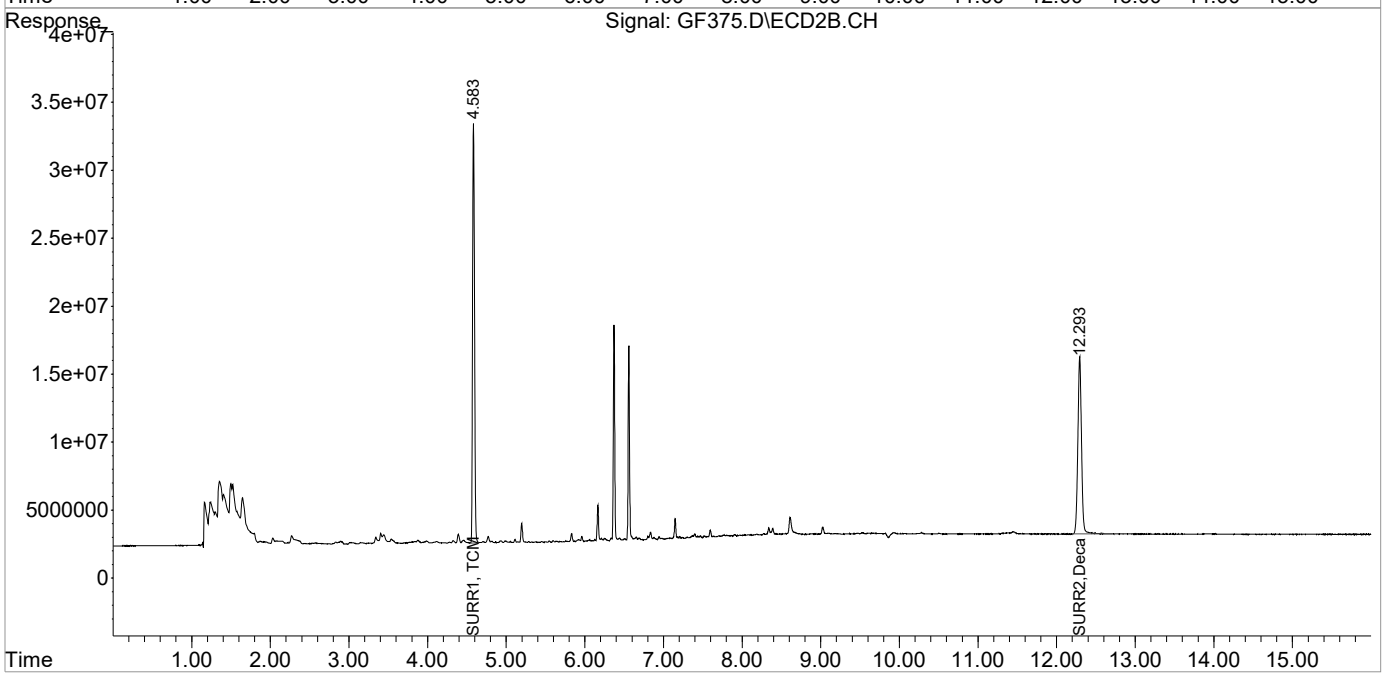
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\6890D\DATA\061819\
Data File : GF375.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jun 2019 2:57 pm
Operator :
Sample : r1905417-010
Misc : 338709 LL
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 18 18:03:24 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:45:07 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m





Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\6890D\DATA\061819\
Data File : GF376.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jun 2019 3:17 pm
Operator :
Sample : r1905417-011
Misc : 338709 LL
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 19 09:13:23 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:45:07 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
System Monitoring Compounds						
1) S SURR1, TCMX	4.501	4.583	1161.9E6	572.2E6	36.498	36.227
Spiked Amount 100.000	Range 30 - 150	Recovery =			36.50%	36.23%
2) S SURR2,Dec...	11.241	12.290	649.9E6	393.0E6	31.098	31.900
Spiked Amount 100.000	Range 30 - 150	Recovery =			31.10%	31.90%
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
24) L5c PCB 1248{2}	6.013	6.501	119.3E6	33134295	89.746	61.245 #
25) L5c PCB 1248{3}	6.177	6.559	12726649	16735355	24.959	52.403 #
26) L5c PCB 1248{4}	6.607	6.844	68126409	34234672	51.532	61.517
27) L5c PCB 1248{5}	6.706	6.971	49794515	13805995	45.697	42.165
Sum PCB 1248			249.9E6	97910316	211.935	217.330
Average PCB 1248					52.984	54.332
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

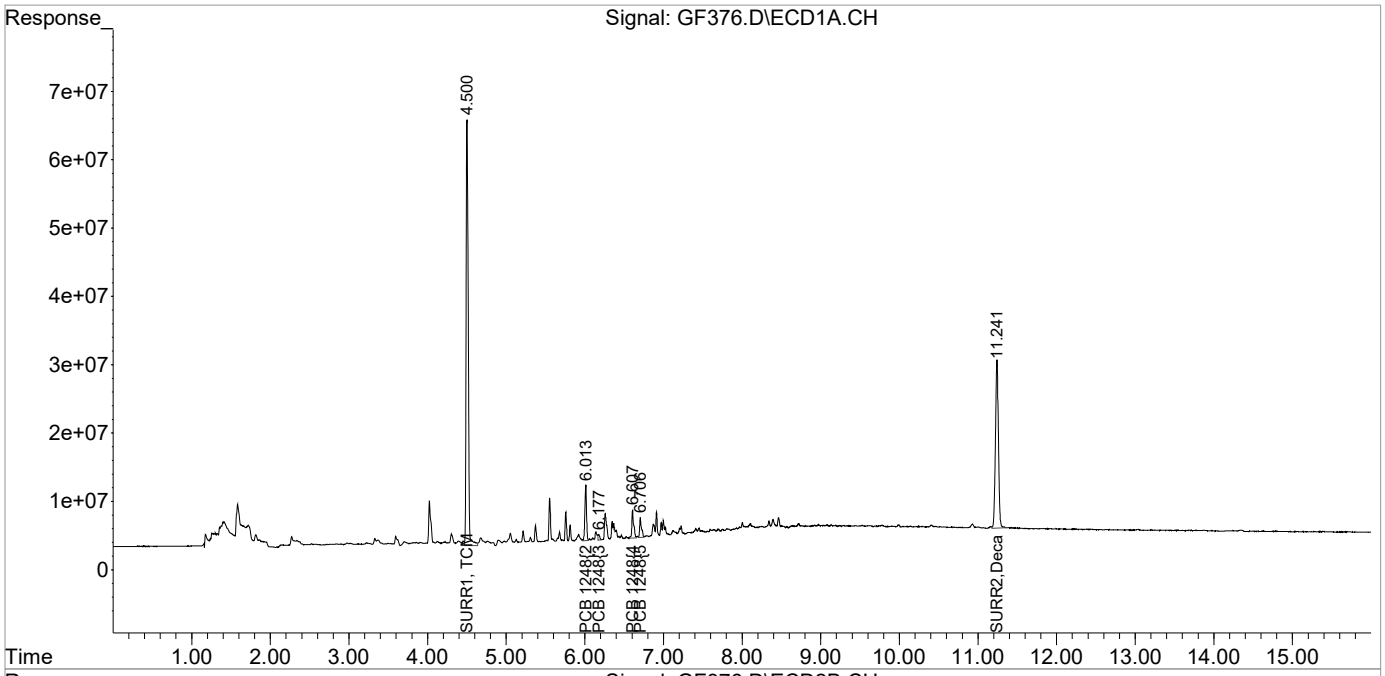
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

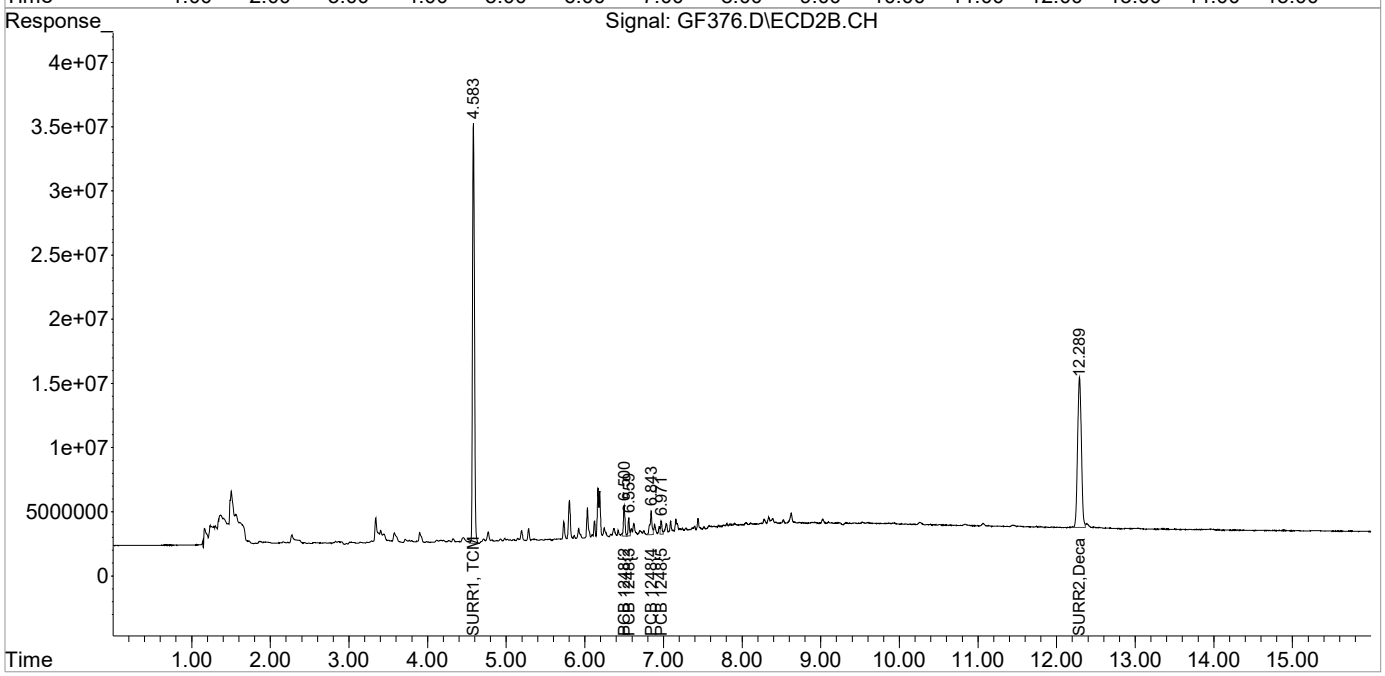
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\6890D\DATA\061819\
Data File : GF376.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jun 2019 3:17 pm
Operator :
Sample : r1905417-011
Misc : 338709 LL
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 19 09:13:23 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:45:07 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m





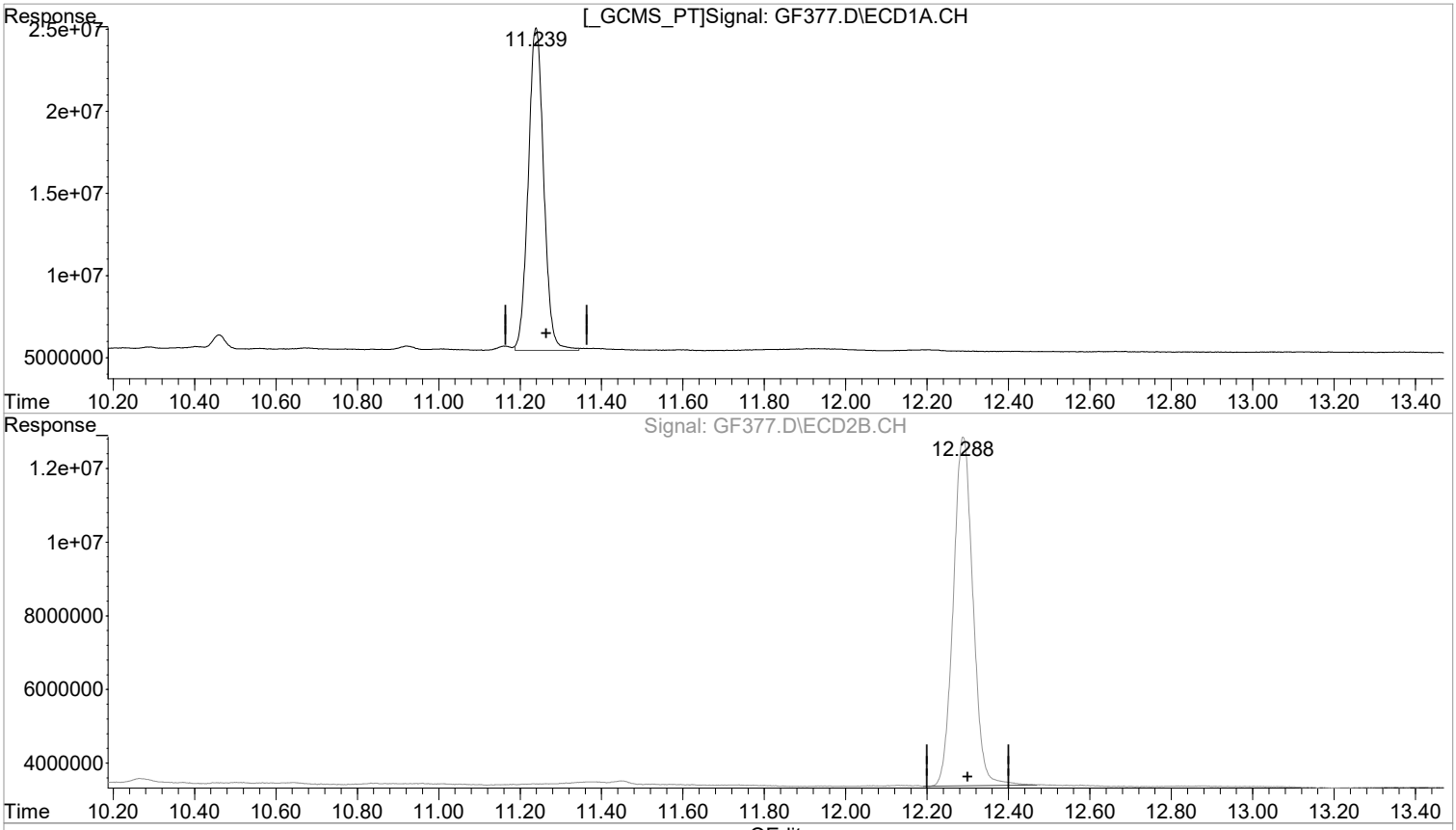
1st AM 06/19/19
2nd MP 06/19/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\6890D\DATA\061819\
Data File : GF377.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jun 2019 3:36 pm
Operator :
Sample : r1905417-012
Misc : 338709 LL
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 18 18:03:30 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:45:07 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

(2) SURR2,Decachlorobiphenyl (S)
11.239min 24.822 ug/l m
response 518703292

Manual Integration:
After
Peak not found.
06/19/19

(2) SURR2,Decachlorobiphenyl #2 (S)
12.289min 25.761 ug/l
response 317350756

(+) = Expected Retention Time

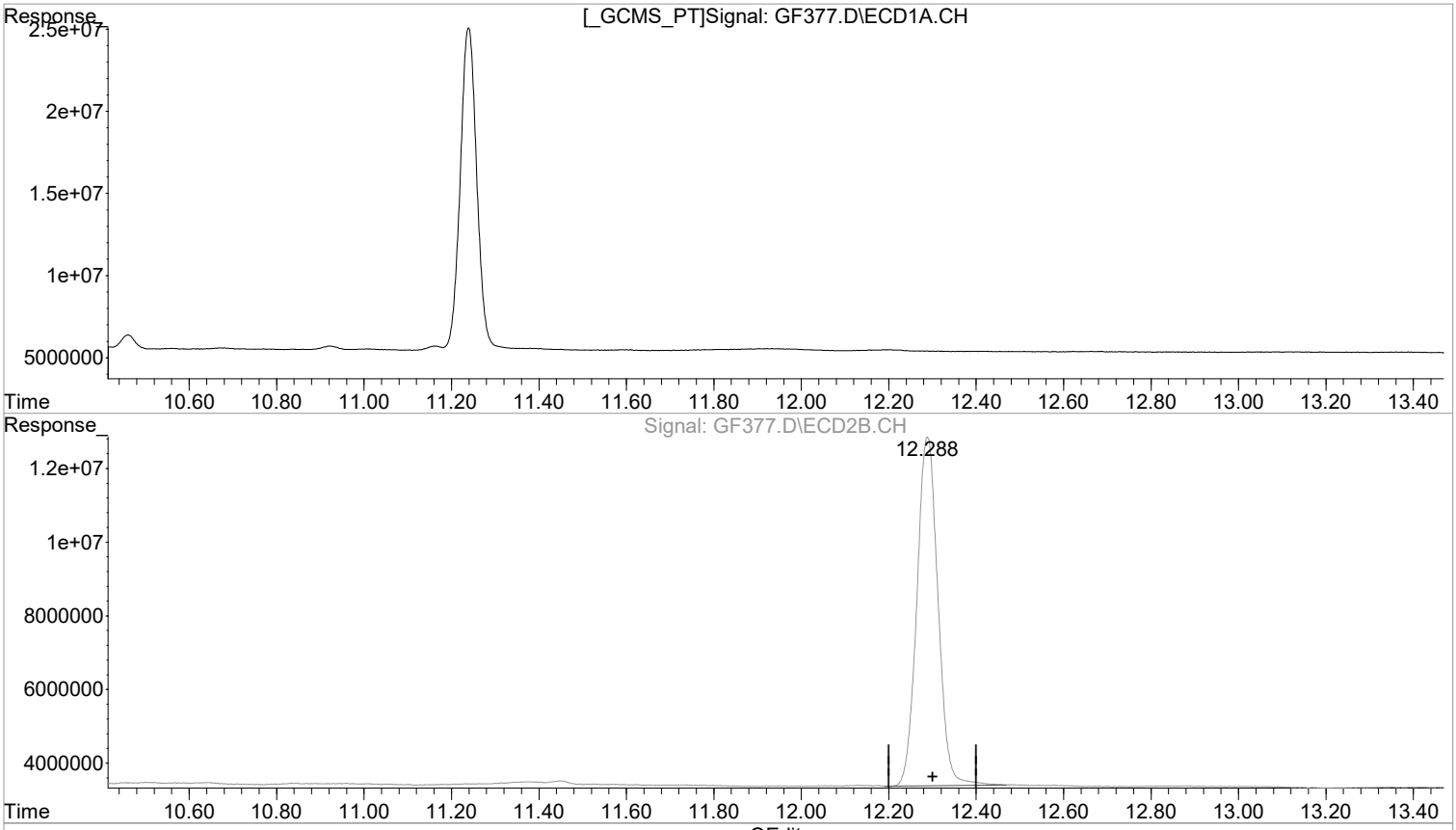
1st AM 06/19/19
2nd MP 06/19/19

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\6890D\DATA\061819\
Data File : GF377.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jun 2019 3:36 pm
Operator :
Sample : r1905417-012
Misc : 338709 LL
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 18 18:03:30 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:45:07 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

(2) SURR2,Decachlorobiphenyl (S)

0.000min 0.000 ug/l

response 0

Manual Integration:

Before

06/19/19

(2) SURR2,Decachlorobiphenyl #2 (S)

12.289min 25.761 ug/l

response 317350756

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\6890D\DATA\061819\
Data File : GF377.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jun 2019 3:36 pm
Operator :
Sample : r1905417-012
Misc : 338709 LL
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 18 18:03:30 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:45:07 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
System Monitoring Compounds						
1) S SURR1, TCMX	4.502	4.583	1102.7E6	541.5E6	34.638	34.288
Spiked Amount 100.000	Range 30 - 150	Recovery =			34.64%	34.29%
2) S SURR2,Dec...	11.239	12.289	518.7E6	317.4E6	24.822m	25.761
Spiked Amount 100.000	Range 30 - 150	Recovery =			24.82%#	25.76%#
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

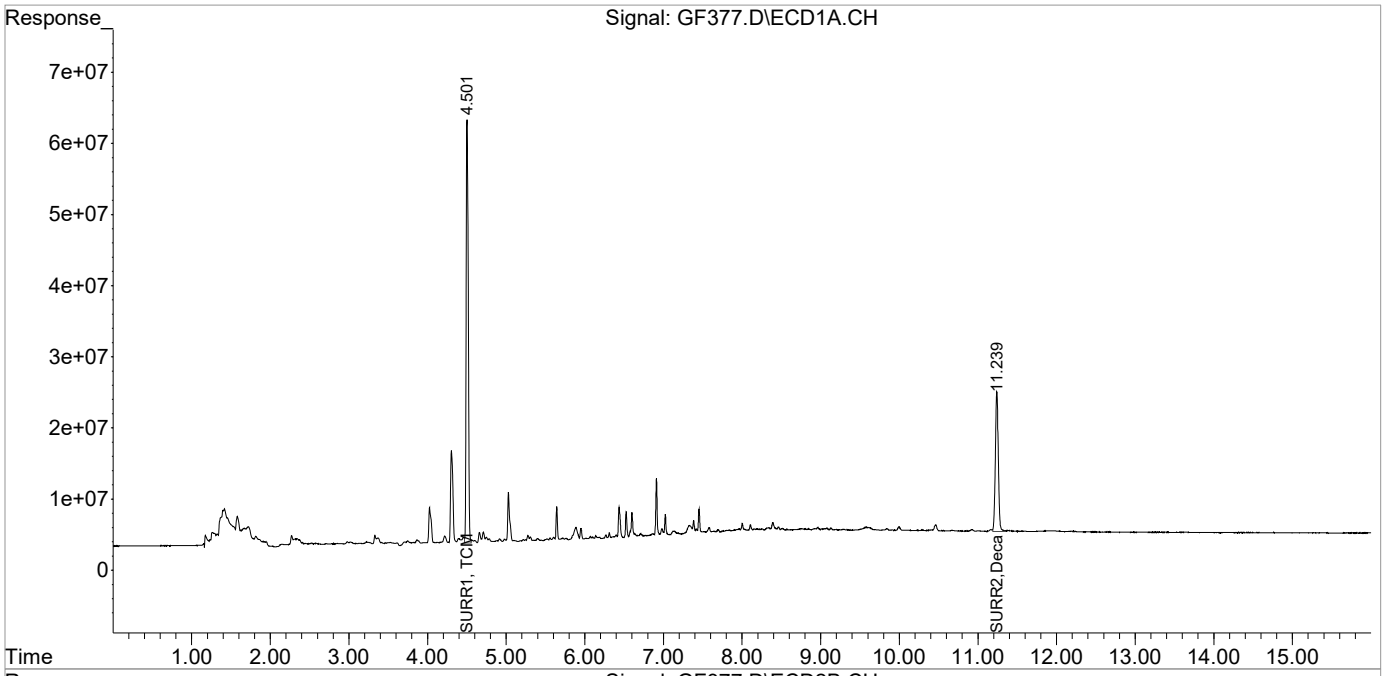
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

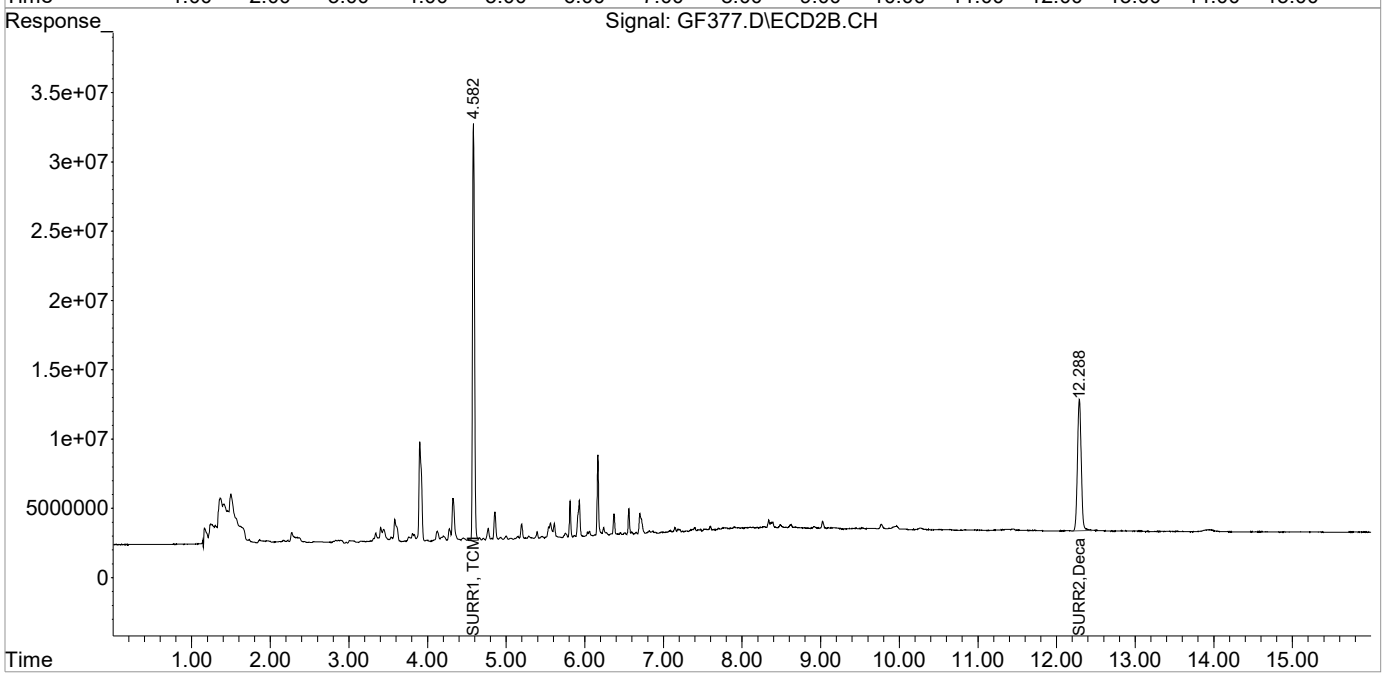
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\6890D\DATA\061819\
Data File : GF377.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jun 2019 3:36 pm
Operator :
Sample : r1905417-012
Misc : 338709 LL
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 18 18:03:30 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:45:07 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m





Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\6890D\DATA\061819\
Data File : GF371.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jun 2019 1:38 pm
Operator :
Sample : rq1905875-02
Misc : 338709 LL
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 18 18:03:09 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:45:07 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
System Monitoring Compounds						
1) S SURR1, TCMX	4.501	4.582	1261.1E6	559.7E6	39.614	35.440
Spiked Amount 100.000	Range 30 - 150	Recovery =			39.61%	35.44%
2) S SURR2,Dec...	11.245	12.292	605.4E6	363.4E6	28.971	29.501
Spiked Amount 100.000	Range 30 - 150	Recovery =			28.97%#	29.50%#
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

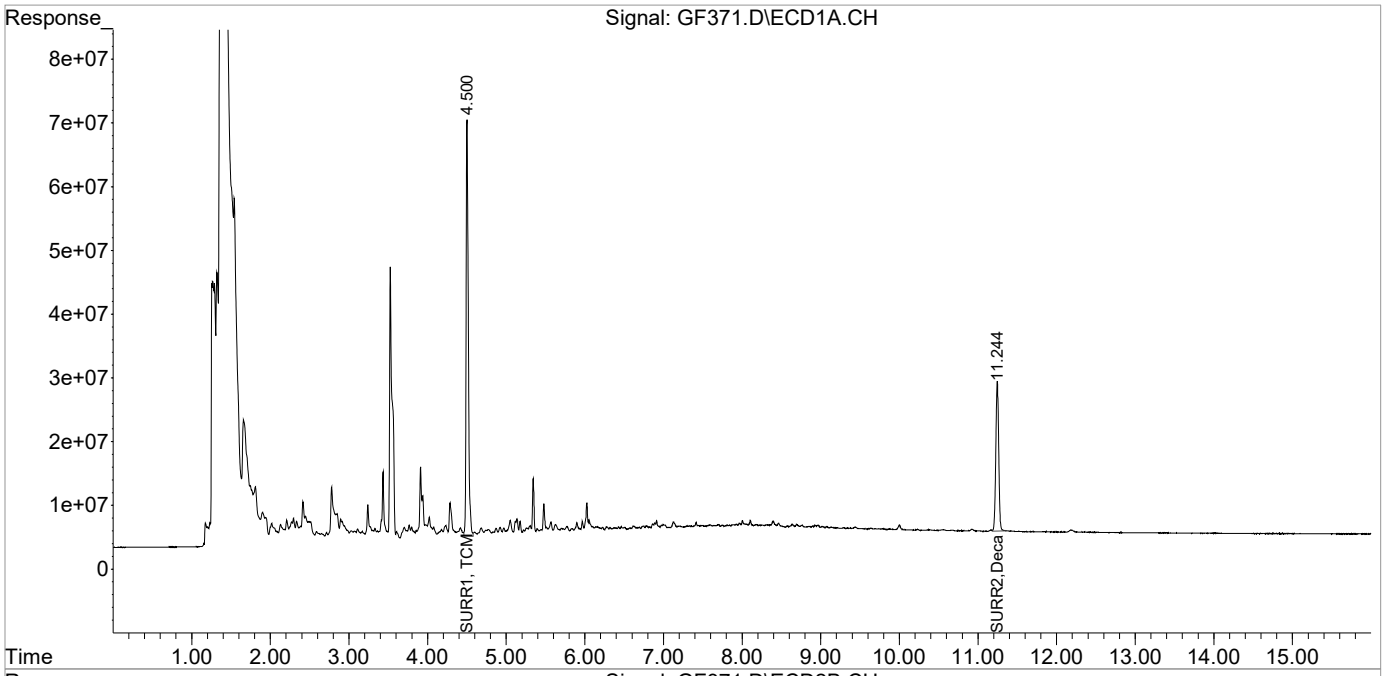
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

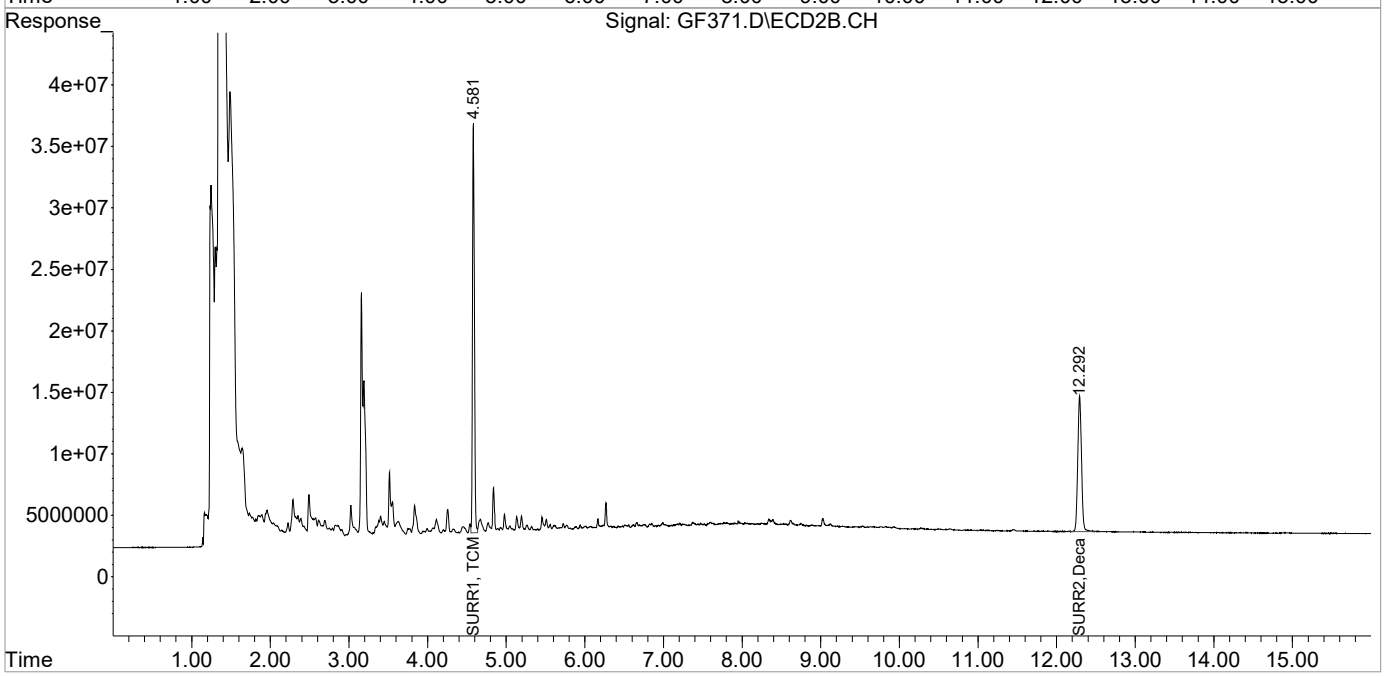
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\6890D\DATA\061819\
Data File : GF371.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jun 2019 1:38 pm
Operator :
Sample : rq1905875-02
Misc : 338709 LL
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 18 18:03:09 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:45:07 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m





Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\6890D\DATA\061819\
Data File : GF372.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jun 2019 1:58 pm
Operator :
Sample : rq1905875-03
Misc : 338709 LL
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 18 18:03:14 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:45:07 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
System Monitoring Compounds						
1) S SURR1, TCMX	4.502	4.583	1217.5E6	569.4E6	38.243	36.055
Spiked Amount 100.000	Range 30 - 150		Recovery =		38.24%	36.06%
2) S SURR2,Dec...	11.243	12.292	626.9E6	377.9E6	29.999	30.677
Spiked Amount 100.000	Range 30 - 150		Recovery =		30.00%#	30.68%
Target Compounds						
3) L1c PCB 1016	5.130	5.346	139.4E6	55502316	256.505	217.769
4) L1c PCB 1016{2}	5.554	5.803	261.3E6	125.7E6	219.219	205.246
5) L1c PCB 1016{3}	5.759	6.358	78040620	79193331	227.887	216.090
6) L1c PCB 1016{4}	5.815	6.502	105.9E6	123.0E6	229.084	212.309
7) L1c PCB 1016{5}	6.157	6.845	223.1E6	92190065	227.525	220.201
Sum PCB 1016			807.7E6	475.6E6	1160.221	1071.615
Average PCB 1016					232.044	214.323
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
33) L7c PCB 1260	7.740	8.036	249.0E6	158.3E6	199.069	198.428
34) L7c PCB 1260{2}	7.935	8.971	290.2E6	128.5E6	199.610	189.209
35) L7c PCB 1260{3}	8.657	9.123	235.3E6	258.2E6	192.286	192.123
36) L7C PCB 1260{4}	8.965	9.823	430.7E6	135.2E6	189.052	188.954
37) L7C PCB 1260{5}	10.377	10.647	126.8E6	107.9E6	185.093	186.432
Sum PCB 1260			1332.0E6	788.1E6	965.110	955.146
Average PCB 1260					193.022	191.029
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

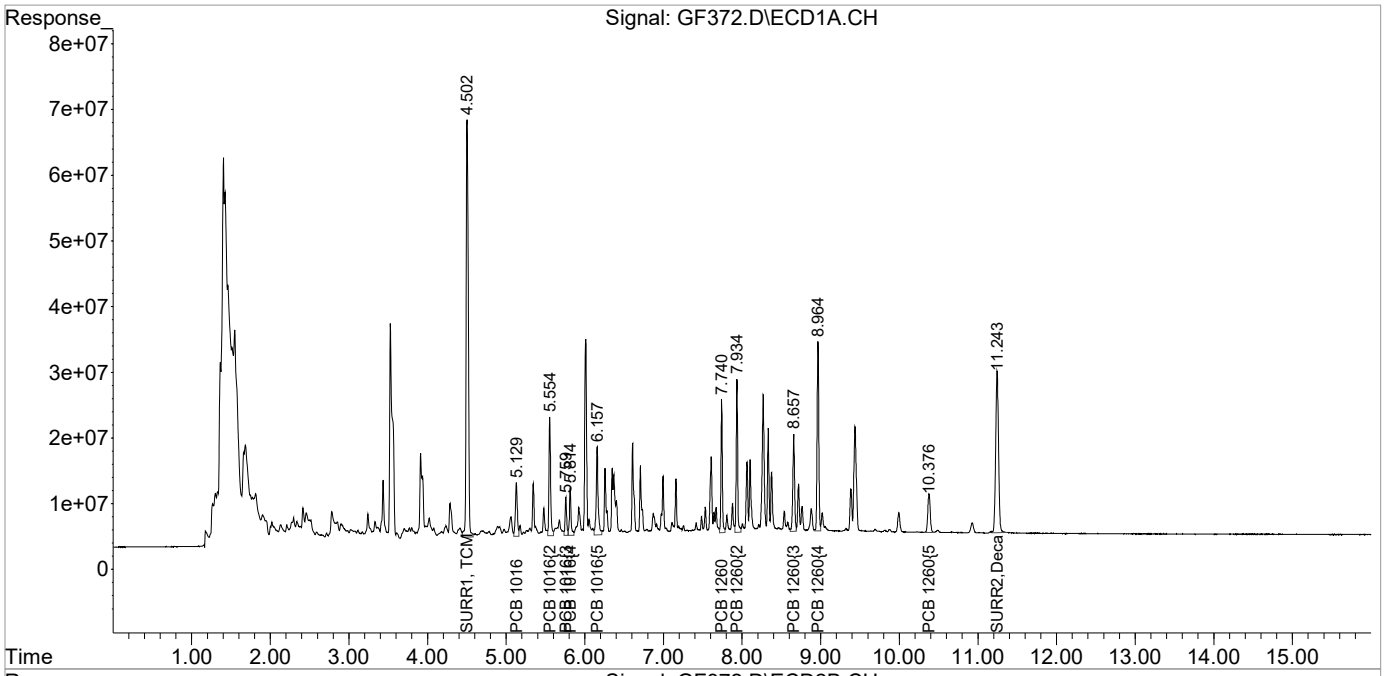
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

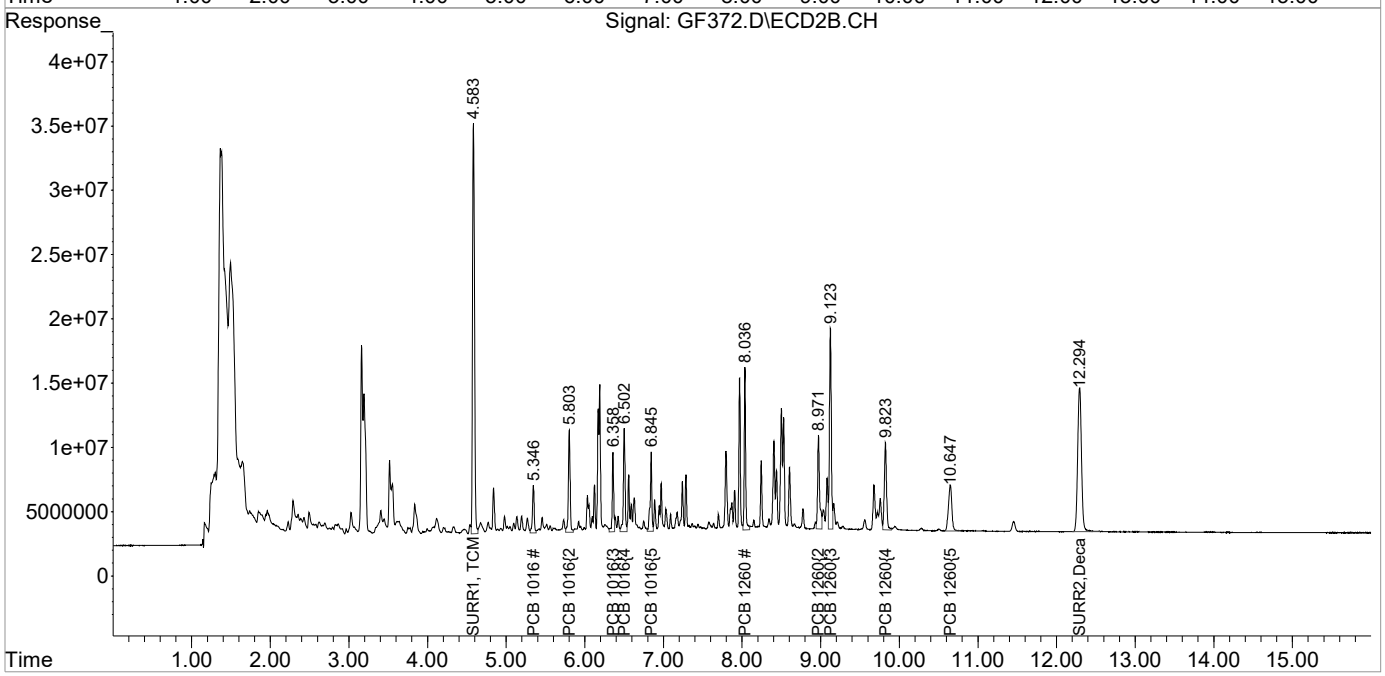
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\6890D\DATA\061819\
Data File : GF372.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jun 2019 1:58 pm
Operator :
Sample : rq1905875-03
Misc : 338709 LL
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 18 18:03:14 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:45:07 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m





Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\6890D\DATA\061819\
Data File : GF373.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jun 2019 2:18 pm
Operator :
Sample : rq1905875-04
Misc : 338709 LL
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 18 18:03:17 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:45:07 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
System Monitoring Compounds						
1) S SURR1, TCMX	4.500	4.581	1264.1E6	588.6E6	39.706	37.270
Spiked Amount 100.000	Range 30 - 150		Recovery =		39.71%	37.27%
2) S SURR2,Dec...	11.246	12.292	630.2E6	382.2E6	30.157	31.027
Spiked Amount 100.000	Range 30 - 150		Recovery =		30.16%	31.03%
Target Compounds						
3) L1c PCB 1016	5.128	5.345	154.6E6	58546308	284.551	229.713
4) L1c PCB 1016{2}	5.554	5.802	281.8E6	135.4E6	236.415	221.078
5) L1c PCB 1016{3}	5.759	6.358	85549441	85610454	249.814	233.600
6) L1c PCB 1016{4}	5.814	6.502	120.5E6	133.1E6	260.541	229.578
7) L1c PCB 1016{5}	6.156	6.845	246.7E6	99240460	251.574	237.041
Sum PCB 1016			889.1E6	511.8E6	1282.895	1151.010
Average PCB 1016					256.579	230.202
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
33) L7c PCB 1260	7.740	8.038	262.8E6	172.3E6	210.101	215.897
34) L7c PCB 1260{2}	7.934	8.972	312.1E6	136.2E6	214.618	200.576
35) L7c PCB 1260{3}	8.657	9.124	249.2E6	271.7E6	203.602	202.147
36) L7C PCB 1260{4}	8.965	9.822	452.4E6	146.1E6	198.572	204.157
37) L7C PCB 1260{5}	10.375	10.646	131.1E6	113.7E6	191.442	196.484
Sum PCB 1260			1407.6E6	840.0E6	1018.335	1019.260
Average PCB 1260					203.667	203.852
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

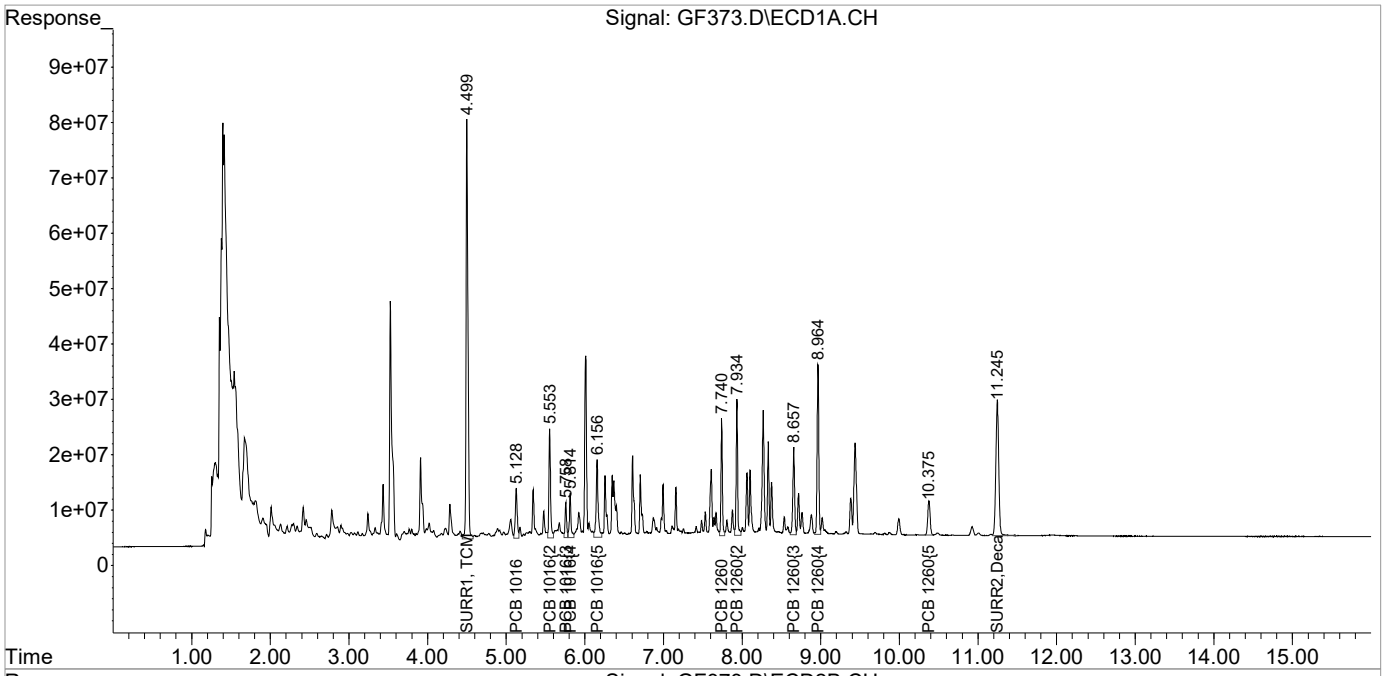
1st AM 06/19/19
2nd MP 06/19/19

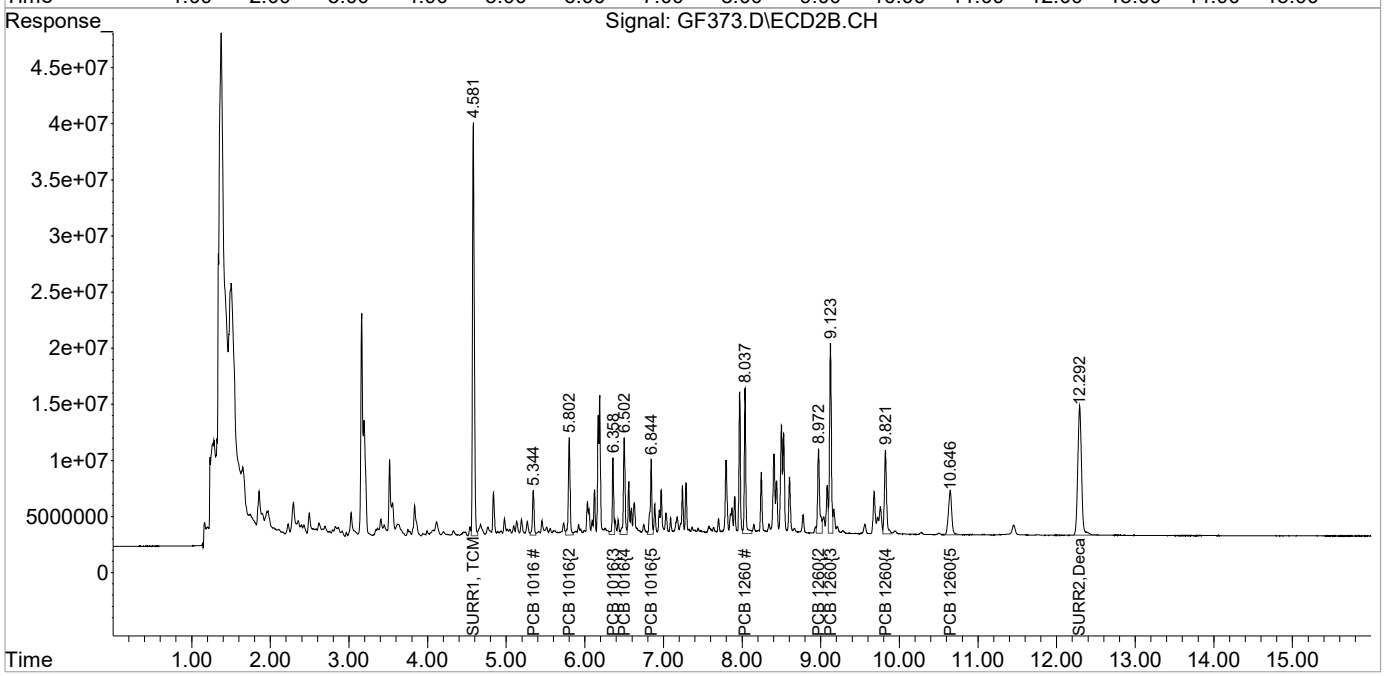
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\6890D\DATA\061819\
Data File : GF373.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jun 2019 2:18 pm
Operator :
Sample : rq1905875-04
Misc : 338709 LL
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 18 18:03:17 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:45:07 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m





Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\6890D\DATA\061819\
Data File : GF370.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jun 2019 1:19 pm
Operator :
Sample : ccv
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 18 15:27:08 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:45:07 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1 S	SURR1, TCMX	31.836	29.376 E6	7.7	100	0.00
2 S	SURR2,Decachlorobiphenyl	20.897	19.173 E6	8.2	105	-0.02
3 L1c	PCB 1016	543.293	460.732 E3	15.2#	98	0.00
4 L1c	PCB 1016{2}	1.192	1.033 E6	13.3	101	0.00
5 L1c	PCB 1016{3}	342.453	300.406 E3	12.3	100	0.00
6 L1c	PCB 1016{4}	462.383	394.596 E3	14.7	100	0.00
7 L1c	PCB 1016{5}	980.576	855.913 E3	12.7	101	0.00
33 L7c	PCB 1260	1.251	1.143 E6	8.6	106	0.00
34 L7c	PCB 1260{2}	1.454	1.339 E6	7.9	107	0.00
35 L7c	PCB 1260{3}	1.224	1.100 E6	10.1	104	0.00
36 L7C	PCB 1260{4}	2.278	2.121 E6	6.9	107	0.00
37 L7C	PCB 1260{5}	684.963	636.671 E3	7.1	108	-0.01

Signal #2

1 S	SURR1, TCMX	15.794	14.026 E6	11.2	98	0.00
2 S	SURR2,Decachlorobiphenyl	12.319	11.152 E6	9.5	102	0.00
3 L1c	PCB 1016	254.868	212.775 E3	16.5#	95	0.00
4 L1c	PCB 1016{2}	612.243	516.690 E3	15.6#	97	0.00
5 L1c	PCB 1016{3}	366.483	306.717 E3	16.3#	95	0.00
6 L1c	PCB 1016{4}	579.549	490.983 E3	15.3#	96	0.00
7 L1c	PCB 1016{5}	418.663	352.062 E3	15.9#	95	0.00
33 L7c	PCB 1260	797.995	724.130 E3	9.3	104	0.00
34 L7c	PCB 1260{2}	678.989	609.544 E3	10.2	100	0.00
35 L7c	PCB 1260{3}	1.344	1.228 E6	8.6	101	0.00
36 L7C	PCB 1260{4}	715.487	642.899 E3	10.1	101	0.00
37 L7C	PCB 1260{5}	578.767	530.652 E3	8.3	104	0.00

Evaluate Continuing Calibration Report - Not Founds

8 L2c	PCB 1221	369.599	0.000 E3	100.0#	0#	-4.89#
9 L2c	PCB 1221{2}	241.589	0.000 E3	100.0#	0#	-5.07#
10 L2c	PCB 1221{3}	868.272	0.000 E3	100.0#	0#	-5.13#
11 L2c	PCB 1221{4}	193.719	0.000 E3	100.0#	0#	-5.56#
12 L2c	PCB 1221{5}	885.880	0.000 E3	100.0#	0#	-6.35#
13 L3c	PCB 1232	693.003	0.000 E3	100.0#	0#	-5.13#
14 L3c	PCB 1232{2}	576.855	0.000 E3	100.0#	0#	-5.56#
15 L3c	PCB 1232{3}	1096.619	0.000 E3	100.0#	0#	-6.02#
16 L3c	PCB 1232{4}	453.373	0.000 E3	100.0#	0#	-6.16#
17 L3c	PCB 1232{5}	429.571	0.000 E3	100.0#	0#	-6.61#
18 L4c	PCB 1242	470.225	0.000 E3	100.0#	0#	-5.13#
19 L4c	PCB 1242{2}	372.436	0.000 E3	100.0#	0#	-5.82#
20 L4c	PCB 1242{3}	1.959	0.000 E6	100.0#	0#	-6.02#
21 L4c	PCB 1242{4}	840.328	0.000 E3	100.0#	0#	-6.61#

1st AM 06/19/19
2nd MP 06/19/19

Data Path : I:\ACQUDATA\6890D\DATA\061819\
Data File : GF370.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jun 2019 1:19 pm
Operator :
Sample : ccv
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 18 15:27:08 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:45:07 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
22	L4c PCB 1242{5}	813.274	0.000 E3	100.0#	0#	-6.71#
23	L5c PCB 1248	525.565	0.000 E3	100.0#	0#	-5.56#
24	L5c PCB 1248{2}	1.329	0.000 E6	100.0#	0#	-6.01#
25	L5c PCB 1248{3}	509.892	0.000 E3	100.0#	0#	-6.16#
26	L5c PCB 1248{4}	1.322	0.000 E6	100.0#	0#	-6.61#
27	L5c PCB 1248{5}	1.090	0.000 E6	100.0#	0#	-6.71#
28	L6c PCB 1254	548.210	0.000 E3	100.0#	0#	-7.42#
29	L6c PCB 1254{2}	879.481	0.000 E3	100.0#	0#	-7.49#
30	L6c PCB 1254{3}	1.809	0.000 E6	100.0#	0#	-7.60#
31	L6c PCB 1254{4}	953.271	0.000 E3	100.0#	0#	-7.75#
32	L6c PCB 1254{5}	449.154	0.000 E3	100.0#	0#	-8.65#
38	L8C PCB 1268	619.311	0.000 E3	100.0	0#	-8.34#
39	L8C PCB 1268{2}	790.853	0.000 E3	100.0	0#	-8.59#
40	L8C PCB 1268{3}	2.662	0.000 E6	100.0	0#	-9.70#
41	L8C PCB 1268{4}	705.585	0.000 E3	100.0	0#	-9.83#
42	L8C PCB 1268{5}	1054.105	0.000 E3	100.0	0#	-10.39#
43	L9C PCB 1262	786.152	0.000 E3	100.0	0#	-7.61#
44	L9C PCB 1262{2}	1.082	0.000 E6	100.0	0#	-7.74#
45	L9C PCB 1262{3}	1.689	0.000 E6	100.0	0#	-8.34#
46	L9C PCB 1262{4}	2.190	0.000 E6	100.0	0#	-9.45#
47	L9C PCB 1262{5}	997.047	0.000 E3	100.0	0#	-10.39#
	Signal #2					
8	L2c PCB 1221	132.493	0.000 E3	100.0#	0#	-4.25#
9	L2c PCB 1221{2}	183.602	0.000 E3	100.0#	0#	-5.10#
10	L2c PCB 1221{3}	124.094	0.000 E3	100.0#	0#	-5.27#
11	L2c PCB 1221{4}	382.032	0.000 E3	100.0#	0#	-5.34#
12	L2c PCB 1221{5}	58.566	0.000 E3	100.0#	0#	-5.42#
13	L3c PCB 1232	89.554	0.000 E3	100.0#	0#	-5.27#
14	L3c PCB 1232{2}	315.381	0.000 E3	100.0#	0#	-5.34#
15	L3c PCB 1232{3}	309.466	0.000 E3	100.0#	0#	-5.80#
16	L3c PCB 1232{4}	154.486	0.000 E3	100.0#	0#	-7.09#
17	L3c PCB 1232{5}	190.096	0.000 E3	100.0#	0#	-7.16#
18	L4c PCB 1242	224.071	0.000 E3	100.0#	0#	-5.34#
19	L4c PCB 1242{2}	507.395	0.000 E3	100.0#	0#	-5.80#
20	L4c PCB 1242{3}	384.596	0.000 E3	100.0#	0#	-6.85#
21	L4c PCB 1242{4}	383.748	0.000 E3	100.0#	0#	-7.16#
22	L4c PCB 1242{5}	310.902	0.000 E3	100.0#	0#	-7.44#
23	L5c PCB 1248	272.840	0.000 E3	100.0#	0#	-5.80#
24	L5c PCB 1248{2}	541.013	0.000 E3	100.0#	0#	-6.50#
25	L5c PCB 1248{3}	319.360	0.000 E3	100.0#	0#	-6.56#
26	L5c PCB 1248{4}	556.508	0.000 E3	100.0#	0#	-6.84#
27	L5c PCB 1248{5}	327.428	0.000 E3	100.0#	0#	-6.97#

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\6890D\DATA\061819\
Data File : GF370.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 18 Jun 2019   1:19 pm
Operator :
Sample   : ccv
Misc   :
ALS Vial : 2   Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 18 15:27:08 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:45:07 2019
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 2uL
Signal #1 Phase : DB-1701   Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m   Signal #2 Info : 0.32mm 30m

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
28	L6c PCB 1254	636.870	0.000 E3	100.0#	0#	-7.29#
29	L6c PCB 1254{2}	459.451	0.000 E3	100.0#	0#	-7.70#
30	L6c PCB 1254{3}	678.536	0.000 E3	100.0#	0#	-7.91#
31	L6c PCB 1254{4}	718.731	0.000 E3	100.0#	0#	-8.50#
32	L6c PCB 1254{5}	291.239	0.000 E3	100.0#	0#	-9.04#
38	L8C PCB 1268	373.021	0.000 E3	100.0	0#	-8.53#
39	L8C PCB 1268{2}	459.400	0.000 E3	100.0	0#	-8.94#
40	L8C PCB 1268{3}	1.616	0.000 E6	100.0	0#	-10.28#
41	L8C PCB 1268{4}	420.388	0.000 E3	100.0	0#	-10.51#
42	L8C PCB 1268{5}	674.419	0.000 E3	100.0	0#	-10.65#
43	L9C PCB 1262	430.578	0.000 E3	100.0	0#	-7.80#
44	L9C PCB 1262{2}	709.467	0.000 E3	100.0	0#	-8.04#
45	L9C PCB 1262{3}	1.026	0.000 E6	100.0	0#	-8.53#
46	L9C PCB 1262{4}	726.507	0.000 E3	100.0	0#	-9.68#
47	L9C PCB 1262{5}	868.379	0.000 E3	100.0	0#	-10.65#

(#) = Out of Range SPCC's out = 0 CCC's out = 56

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\6890D\DATA\061819\
Data File : GF370.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jun 2019 1:19 pm
Operator :
Sample : ccv
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 18 15:27:08 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:45:07 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
System Monitoring Compounds						
1) S SURR1, TCMX	4.504	4.584	1762.5E6	841.6E6	55.364	53.285
Spiked Amount 100.000	Range 30 - 150		Recovery =		55.36%	53.28%
2) S SURR2,Dec...	11.245	12.295	1150.4E6	669.1E6	55.051	54.314
Spiked Amount 100.000	Range 30 - 150		Recovery =		55.05%	54.31%
Target Compounds						
3) L1c PCB 1016	5.132	5.346	230.4E6	106.4E6	424.018	417.422
4) L1c PCB 1016{2}	5.556	5.803	516.4E6	258.3E6	433.238	421.965
5) L1c PCB 1016{3}	5.761	6.359	150.2E6	153.4E6	438.609	418.460
6) L1c PCB 1016{4}	5.816	6.502	197.3E6	245.5E6	426.698	423.591
7) L1c PCB 1016{5}	6.159	6.845	428.0E6	176.0E6	436.434	420.460
Sum PCB 1016			1522.2E6	939.6E6	2158.997	2101.898
Average PCB 1016					431.799	420.380
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
33) L7c PCB 1260	7.742	8.037	571.6E6	362.1E6	456.882	453.718
34) L7c PCB 1260{2}	7.937	8.973	669.4E6	304.8E6	460.380	448.861
35) L7c PCB 1260{3}	8.659	9.125	549.8E6	613.9E6	449.273	456.733
36) L7C PCB 1260{4}	8.967	9.822	1060.3E6	321.4E6	465.398	449.274
37) L7C PCB 1260{5}	10.380	10.648	318.3E6	265.3E6	464.749	458.434
Sum PCB 1260			3169.3E6	1867.5E6	2296.681	2267.020
Average PCB 1260					459.336	453.404
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

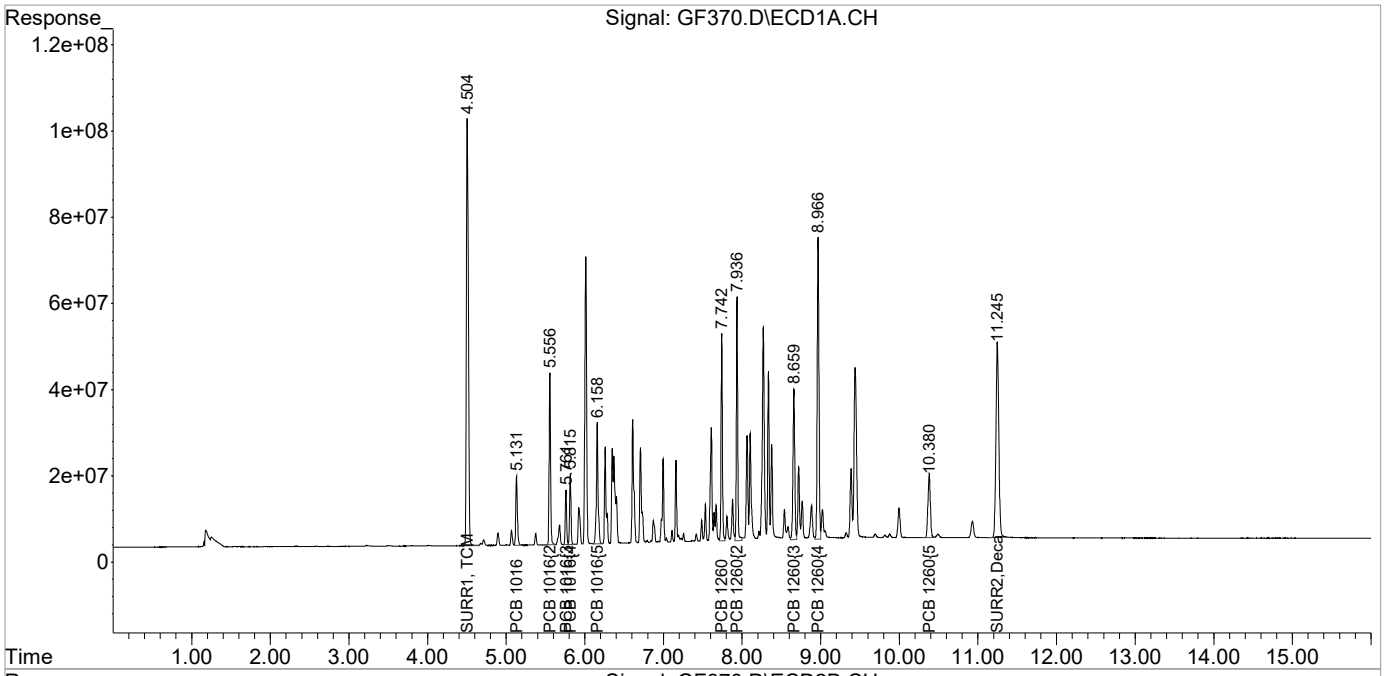
1st AM 06/19/19
2nd MP 06/19/19

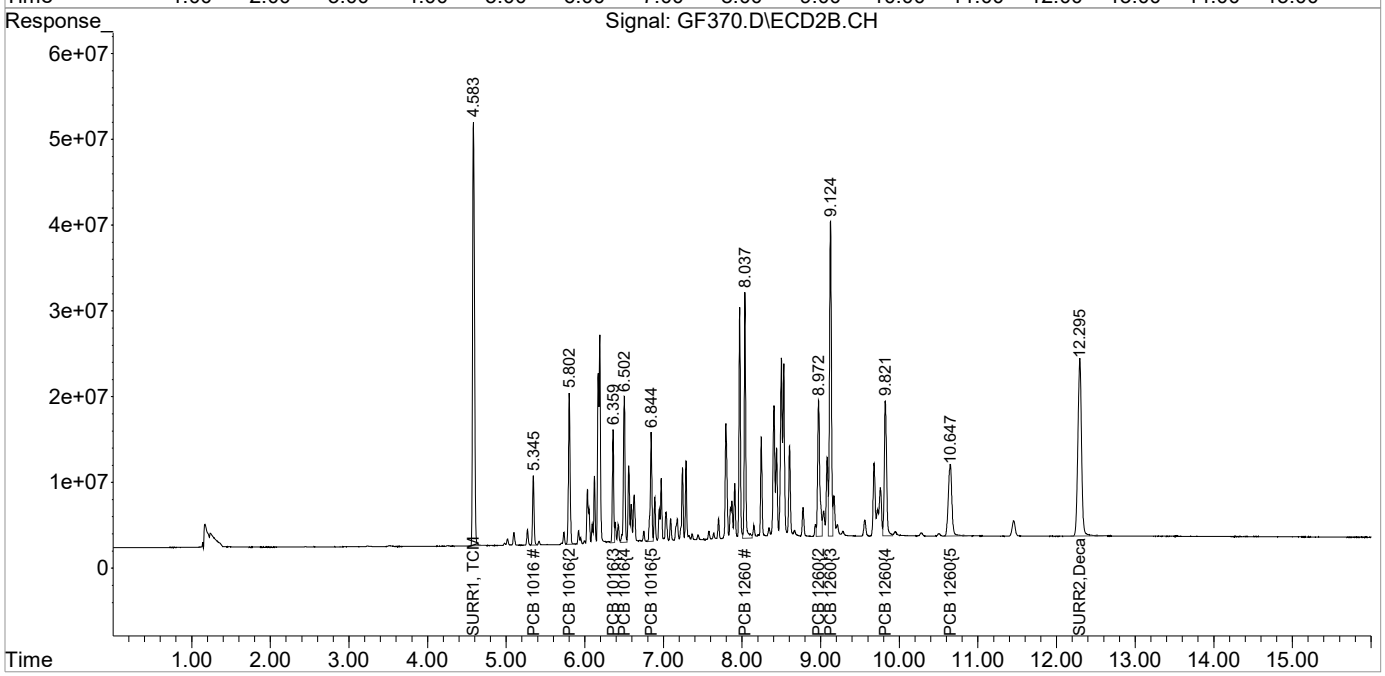
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\6890D\DATA\061819\
Data File : GF370.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jun 2019 1:19 pm
Operator :
Sample : ccv
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 18 15:27:08 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:45:07 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m





Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\6890D\DATA\061819\
Data File : GF378.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 18 Jun 2019   3:56 pm
Operator :
Sample   : ccv
Misc   :
ALS Vial : 2   Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 18 17:56:41 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:45:07 2019
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 2uL
Signal #1 Phase : DB-1701   Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m   Signal #2 Info : 0.32mm 30m

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1 S	SURR1, TCMX	31.836	33.038 E6	-3.8	113	0.00
2 S	SURR2,Decachlorobiphenyl	20.897	22.179 E6	-6.1	121	-0.02
3 L1c	PCB 1016	543.293	526.093 E3	3.2	112	0.00
4 L1c	PCB 1016{2}	1.192	1.162 E6	2.5	113	0.00
5 L1c	PCB 1016{3}	342.453	343.219 E3	-0.2	114	0.00
6 L1c	PCB 1016{4}	462.383	447.669 E3	3.2	113	0.00
7 L1c	PCB 1016{5}	980.576	970.169 E3	1.1	115	0.00
33 L7c	PCB 1260	1.251	1.260 E6	-0.7	117	-0.01
34 L7c	PCB 1260{2}	1.454	1.493 E6	-2.7	119	0.00
35 L7c	PCB 1260{3}	1.224	1.254 E6	-2.5	119	-0.01
36 L7C	PCB 1260{4}	2.278	2.426 E6	-6.5	122	-0.01
37 L7C	PCB 1260{5}	684.963	734.907 E3	-7.3	125	-0.02

Signal #2

1 S	SURR1, TCMX	15.794	16.477 E6	-4.3	115	0.00
2 S	SURR2,Decachlorobiphenyl	12.319	13.188 E6	-7.1	121	-0.01
3 L1c	PCB 1016	254.868	253.444 E3	0.6	113	0.00
4 L1c	PCB 1016{2}	612.243	610.819 E3	0.2	115	0.00
5 L1c	PCB 1016{3}	366.483	371.131 E3	-1.3	115	0.00
6 L1c	PCB 1016{4}	579.549	589.343 E3	-1.7	116	0.00
7 L1c	PCB 1016{5}	418.663	425.433 E3	-1.6	115	0.00
33 L7c	PCB 1260	797.995	844.363 E3	-5.8	121	0.00
34 L7c	PCB 1260{2}	678.989	727.722 E3	-7.2	119	0.00
35 L7c	PCB 1260{3}	1.344	1.483 E6	-10.3	122	0.00
36 L7C	PCB 1260{4}	715.487	777.334 E3	-8.6	123	0.00
37 L7C	PCB 1260{5}	578.767	638.228 E3	-10.3	125	0.00

Evaluate Continuing Calibration Report - Not Founds

8 L2c	PCB 1221	369.599	0.000 E3	100.0#	0#	-4.89#
9 L2c	PCB 1221{2}	241.589	0.000 E3	100.0#	0#	-5.07#
10 L2c	PCB 1221{3}	868.272	0.000 E3	100.0#	0#	-5.13#
11 L2c	PCB 1221{4}	193.719	0.000 E3	100.0#	0#	-5.56#
12 L2c	PCB 1221{5}	885.880	0.000 E3	100.0#	0#	-6.35#
13 L3c	PCB 1232	693.003	0.000 E3	100.0#	0#	-5.13#
14 L3c	PCB 1232{2}	576.855	0.000 E3	100.0#	0#	-5.56#
15 L3c	PCB 1232{3}	1096.619	0.000 E3	100.0#	0#	-6.02#
16 L3c	PCB 1232{4}	453.373	0.000 E3	100.0#	0#	-6.16#
17 L3c	PCB 1232{5}	429.571	0.000 E3	100.0#	0#	-6.61#
18 L4c	PCB 1242	470.225	0.000 E3	100.0#	0#	-5.13#
19 L4c	PCB 1242{2}	372.436	0.000 E3	100.0#	0#	-5.82#
20 L4c	PCB 1242{3}	1.959	0.000 E6	100.0#	0#	-6.02#
21 L4c	PCB 1242{4}	840.328	0.000 E3	100.0#	0#	-6.61#

1st AM 06/19/19
2nd MP 06/19/19

Data Path : I:\ACQUDATA\6890D\DATA\061819\
Data File : GF378.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jun 2019 3:56 pm
Operator :
Sample : ccv
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 18 17:56:41 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:45:07 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
22	L4c PCB 1242{5}	813.274	0.000 E3	100.0#	0#	-6.71#
23	L5c PCB 1248	525.565	0.000 E3	100.0#	0#	-5.56#
24	L5c PCB 1248{2}	1.329	0.000 E6	100.0#	0#	-6.01#
25	L5c PCB 1248{3}	509.892	0.000 E3	100.0#	0#	-6.16#
26	L5c PCB 1248{4}	1.322	0.000 E6	100.0#	0#	-6.61#
27	L5c PCB 1248{5}	1.090	0.000 E6	100.0#	0#	-6.71#
28	L6c PCB 1254	548.210	0.000 E3	100.0#	0#	-7.42#
29	L6c PCB 1254{2}	879.481	0.000 E3	100.0#	0#	-7.49#
30	L6c PCB 1254{3}	1.809	0.000 E6	100.0#	0#	-7.60#
31	L6c PCB 1254{4}	953.271	0.000 E3	100.0#	0#	-7.75#
32	L6c PCB 1254{5}	449.154	0.000 E3	100.0#	0#	-8.65#
38	L8C PCB 1268	619.311	0.000 E3	100.0	0#	-8.34#
39	L8C PCB 1268{2}	790.853	0.000 E3	100.0	0#	-8.59#
40	L8C PCB 1268{3}	2.662	0.000 E6	100.0	0#	-9.70#
41	L8C PCB 1268{4}	705.585	0.000 E3	100.0	0#	-9.83#
42	L8C PCB 1268{5}	1054.105	0.000 E3	100.0	0#	-10.39#
43	L9C PCB 1262	786.152	0.000 E3	100.0	0#	-7.61#
44	L9C PCB 1262{2}	1.082	0.000 E6	100.0	0#	-7.74#
45	L9C PCB 1262{3}	1.689	0.000 E6	100.0	0#	-8.34#
46	L9C PCB 1262{4}	2.190	0.000 E6	100.0	0#	-9.45#
47	L9C PCB 1262{5}	997.047	0.000 E3	100.0	0#	-10.39#
	Signal #2					
8	L2c PCB 1221	132.493	0.000 E3	100.0#	0#	-4.25#
9	L2c PCB 1221{2}	183.602	0.000 E3	100.0#	0#	-5.10#
10	L2c PCB 1221{3}	124.094	0.000 E3	100.0#	0#	-5.27#
11	L2c PCB 1221{4}	382.032	0.000 E3	100.0#	0#	-5.34#
12	L2c PCB 1221{5}	58.566	0.000 E3	100.0#	0#	-5.42#
13	L3c PCB 1232	89.554	0.000 E3	100.0#	0#	-5.27#
14	L3c PCB 1232{2}	315.381	0.000 E3	100.0#	0#	-5.34#
15	L3c PCB 1232{3}	309.466	0.000 E3	100.0#	0#	-5.80#
16	L3c PCB 1232{4}	154.486	0.000 E3	100.0#	0#	-7.09#
17	L3c PCB 1232{5}	190.096	0.000 E3	100.0#	0#	-7.16#
18	L4c PCB 1242	224.071	0.000 E3	100.0#	0#	-5.34#
19	L4c PCB 1242{2}	507.395	0.000 E3	100.0#	0#	-5.80#
20	L4c PCB 1242{3}	384.596	0.000 E3	100.0#	0#	-6.85#
21	L4c PCB 1242{4}	383.748	0.000 E3	100.0#	0#	-7.16#
22	L4c PCB 1242{5}	310.902	0.000 E3	100.0#	0#	-7.44#
23	L5c PCB 1248	272.840	0.000 E3	100.0#	0#	-5.80#
24	L5c PCB 1248{2}	541.013	0.000 E3	100.0#	0#	-6.50#
25	L5c PCB 1248{3}	319.360	0.000 E3	100.0#	0#	-6.56#
26	L5c PCB 1248{4}	556.508	0.000 E3	100.0#	0#	-6.84#
27	L5c PCB 1248{5}	327.428	0.000 E3	100.0#	0#	-6.97#

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\6890D\DATA\061819\
Data File : GF378.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 18 Jun 2019   3:56 pm
Operator :
Sample   : ccv
Misc   :
ALS Vial : 2   Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 18 17:56:41 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:45:07 2019
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 2uL
Signal #1 Phase : DB-1701   Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m   Signal #2 Info : 0.32mm 30m

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
28	L6c PCB 1254	636.870	0.000 E3	100.0#	0#	-7.29#
29	L6c PCB 1254{2}	459.451	0.000 E3	100.0#	0#	-7.70#
30	L6c PCB 1254{3}	678.536	0.000 E3	100.0#	0#	-7.91#
31	L6c PCB 1254{4}	718.731	0.000 E3	100.0#	0#	-8.50#
32	L6c PCB 1254{5}	291.239	0.000 E3	100.0#	0#	-9.04#
38	L8C PCB 1268	373.021	0.000 E3	100.0	0#	-8.53#
39	L8C PCB 1268{2}	459.400	0.000 E3	100.0	0#	-8.94#
40	L8C PCB 1268{3}	1.616	0.000 E6	100.0	0#	-10.28#
41	L8C PCB 1268{4}	420.388	0.000 E3	100.0	0#	-10.51#
42	L8C PCB 1268{5}	674.419	0.000 E3	100.0	0#	-10.65#
43	L9C PCB 1262	430.578	0.000 E3	100.0	0#	-7.80#
44	L9C PCB 1262{2}	709.467	0.000 E3	100.0	0#	-8.04#
45	L9C PCB 1262{3}	1.026	0.000 E6	100.0	0#	-8.53#
46	L9C PCB 1262{4}	726.507	0.000 E3	100.0	0#	-9.68#
47	L9C PCB 1262{5}	868.379	0.000 E3	100.0	0#	-10.65#

(#) = Out of Range SPCC's out = 0 CCC's out = 50

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\6890D\DATA\061819\
Data File : GF378.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jun 2019 3:56 pm
Operator :
Sample : ccv
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 18 17:56:41 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:45:07 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
System Monitoring Compounds						
1) S SURR1, TCMX	4.500	4.581	1982.3E6	988.6E6	62.267	62.595
Spiked Amount 100.000	Range 30 - 150		Recovery =		62.27%	62.59%
2) S SURR2,Dec...	11.240	12.288	1330.8E6	791.3E6	63.682	64.230
Spiked Amount 100.000	Range 30 - 150		Recovery =		63.68%	64.23%
Target Compounds						
3) L1c PCB 1016	5.128	5.345	263.0E6	126.7E6	484.170	497.207
4) L1c PCB 1016{2}	5.553	5.802	581.0E6	305.4E6	487.463	498.837
5) L1c PCB 1016{3}	5.758	6.358	171.6E6	185.6E6	501.119	506.341
6) L1c PCB 1016{4}	5.813	6.501	223.8E6	294.7E6	484.088	508.450
7) L1c PCB 1016{5}	6.155	6.844	485.1E6	212.7E6	494.693	508.085
Sum PCB 1016			1724.6E6	1125.1E6	2451.534	2518.920
Average PCB 1016					490.307	503.784
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
33) L7c PCB 1260	7.738	8.035	630.0E6	422.2E6	503.582	529.053
34) L7c PCB 1260{2}	7.933	8.971	746.4E6	363.9E6	513.370	535.886
35) L7c PCB 1260{3}	8.656	9.123	627.1E6	741.5E6	512.471	551.716
36) L7C PCB 1260{4}	8.963	9.821	1213.1E6	388.7E6	532.480	543.221
37) L7C PCB 1260{5}	10.374	10.644	367.5E6	319.1E6	536.457	551.369
Sum PCB 1260			3584.1E6	2235.3E6	2598.361	2711.245
Average PCB 1260					519.672	542.249
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

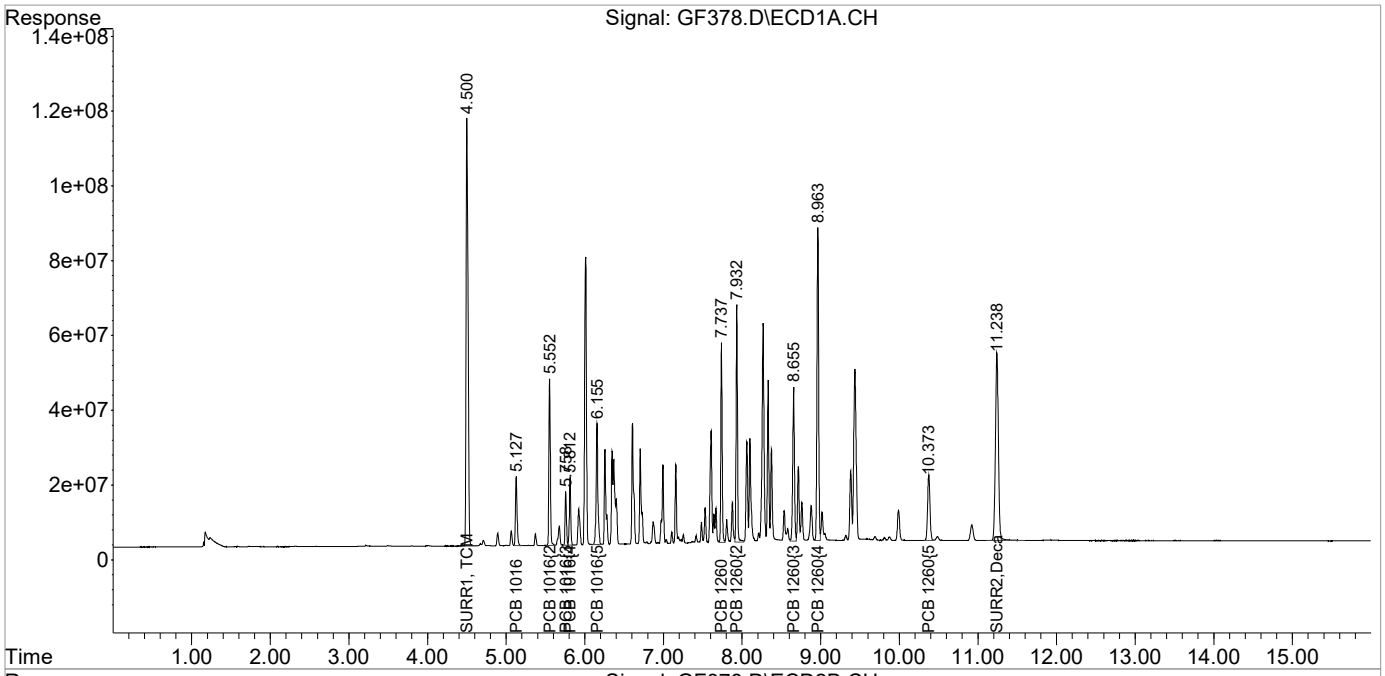
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

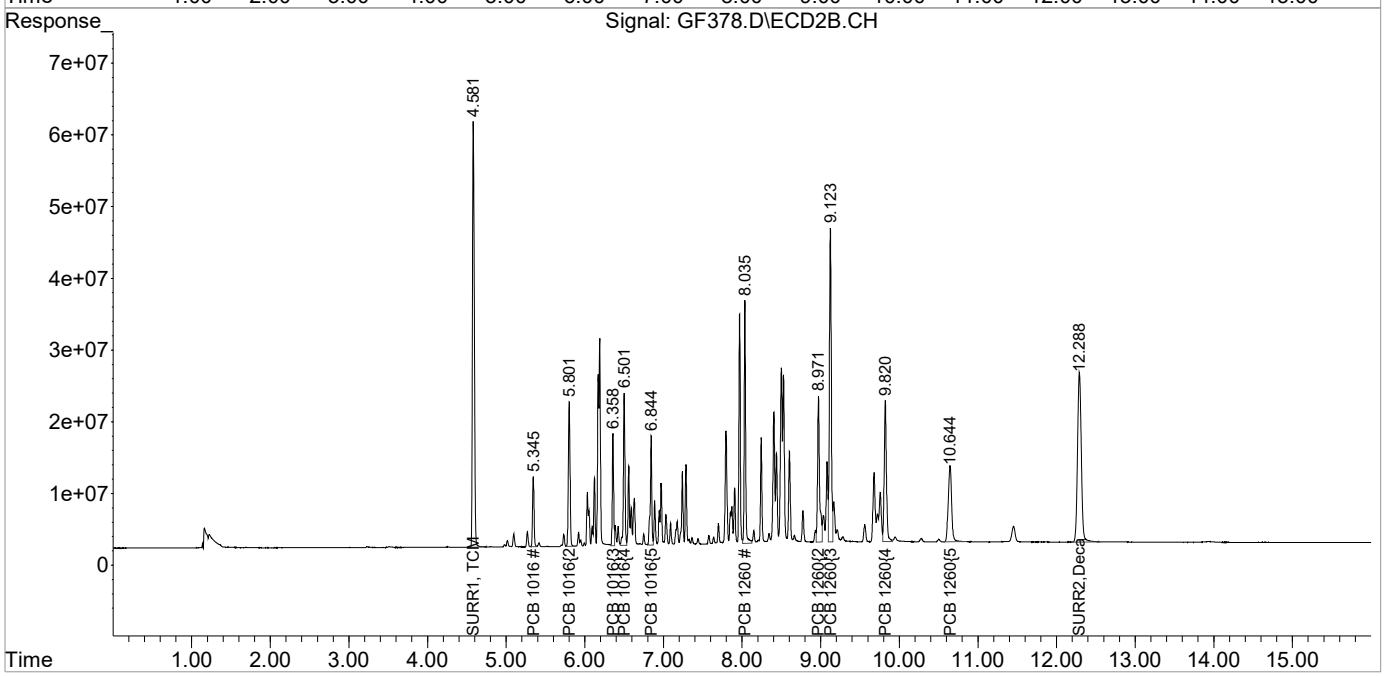
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\6890D\DATA\061819\
Data File : GF378.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jun 2019 3:56 pm
Operator :
Sample : ccv
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 18 17:56:41 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:45:07 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m





2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF280.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2019 1:30 am
Operator :
Sample : 1660 ICV
Misc : INITIAL CAL.
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:45:37 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:45:07 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
System Monitoring Compounds						
Target Compounds						
3) L1c PCB 1016	5.131	5.344	296.7E6	142.4E6	546.112	558.860
4) L1c PCB 1016{2}	5.557	5.802	649.7E6	342.2E6	545.083	558.852
5) L1c PCB 1016{3}	5.762	6.359	193.0E6	204.1E6	563.663	556.831
6) L1c PCB 1016{4}	5.818	6.502	251.2E6	321.4E6	543.364	554.605
7) L1c PCB 1016{5}	6.160	6.845	549.3E6	231.4E6	560.215	552.722
Sum PCB 1016			1940.0E6	1241.5E6	2758.437	2781.871
Average PCB 1016					551.687	556.374
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
33) L7c PCB 1260	7.746	8.037	725.0E6	479.9E6	579.571	601.386
34) L7c PCB 1260{2}	7.940	8.973	836.2E6	360.2E6	575.117	530.552
35) L7c PCB 1260{3}	8.664	9.125	637.2E6	711.2E6	520.666	529.133
36) L7C PCB 1260{4}	8.973	9.827	1181.4E6	392.5E6	518.558	548.602
37) L7C PCB 1260{5}	10.388	10.650	292.5E6	256.8E6	426.998	443.773
Sum PCB 1260			3672.3E6	2200.7E6	2620.910	2653.446
Average PCB 1260					524.182	530.689
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

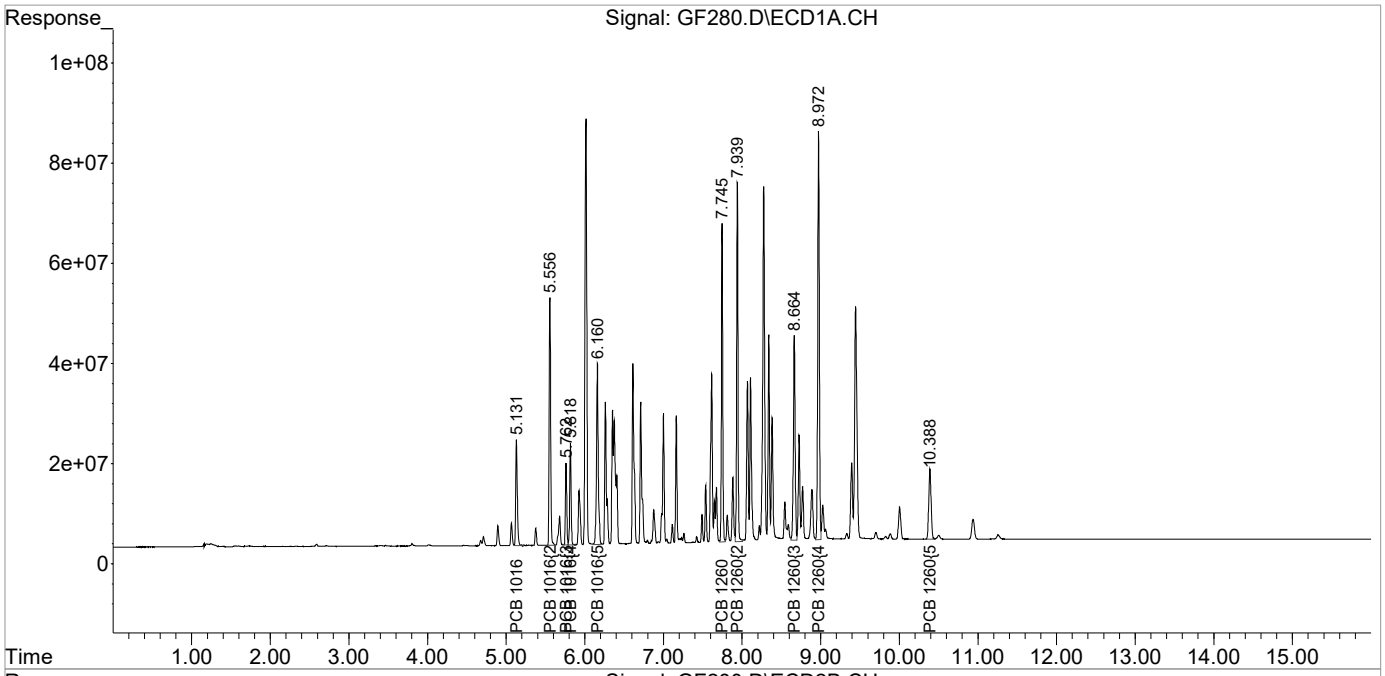
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

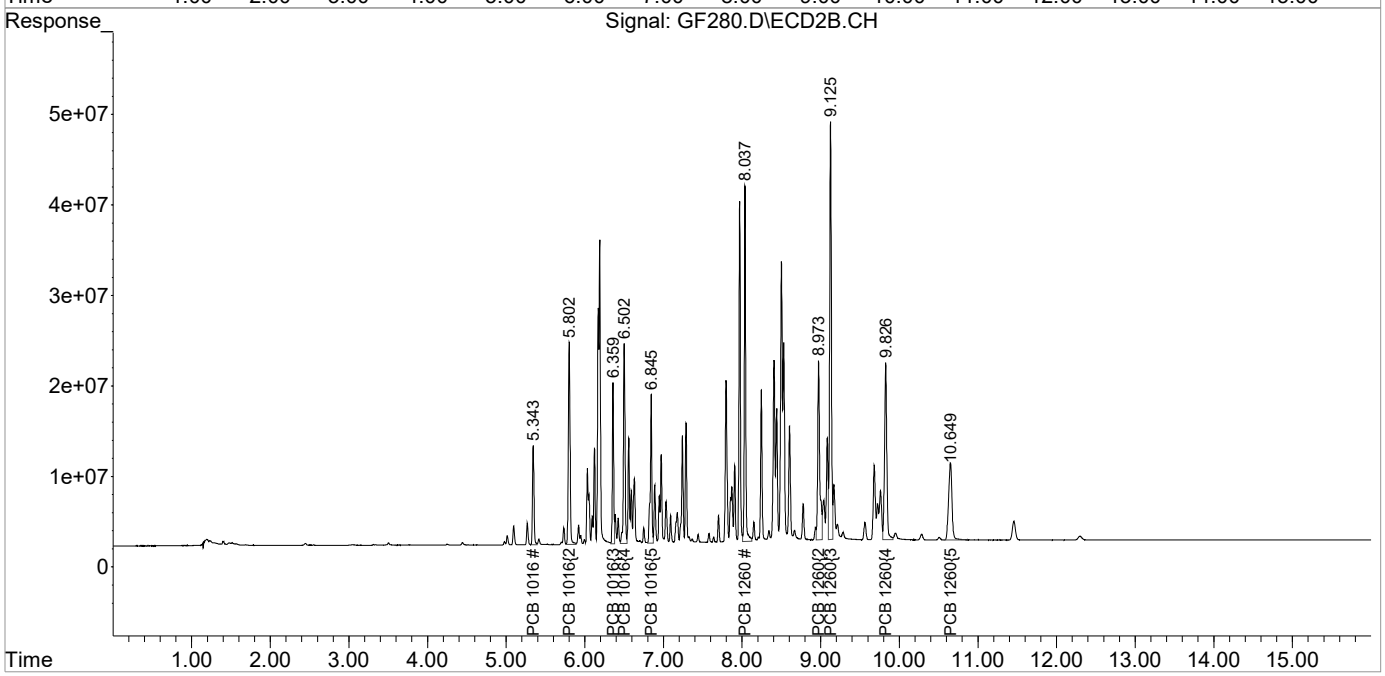
2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF280.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2019 1:30 am
Operator :
Sample : 1660 ICV
Misc : INITIAL CAL.
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:45:37 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:45:07 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m





2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF248.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 3:00 pm
Operator :
Sample : blk
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 12:17:58 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:45:07 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
System Monitoring Compounds						
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

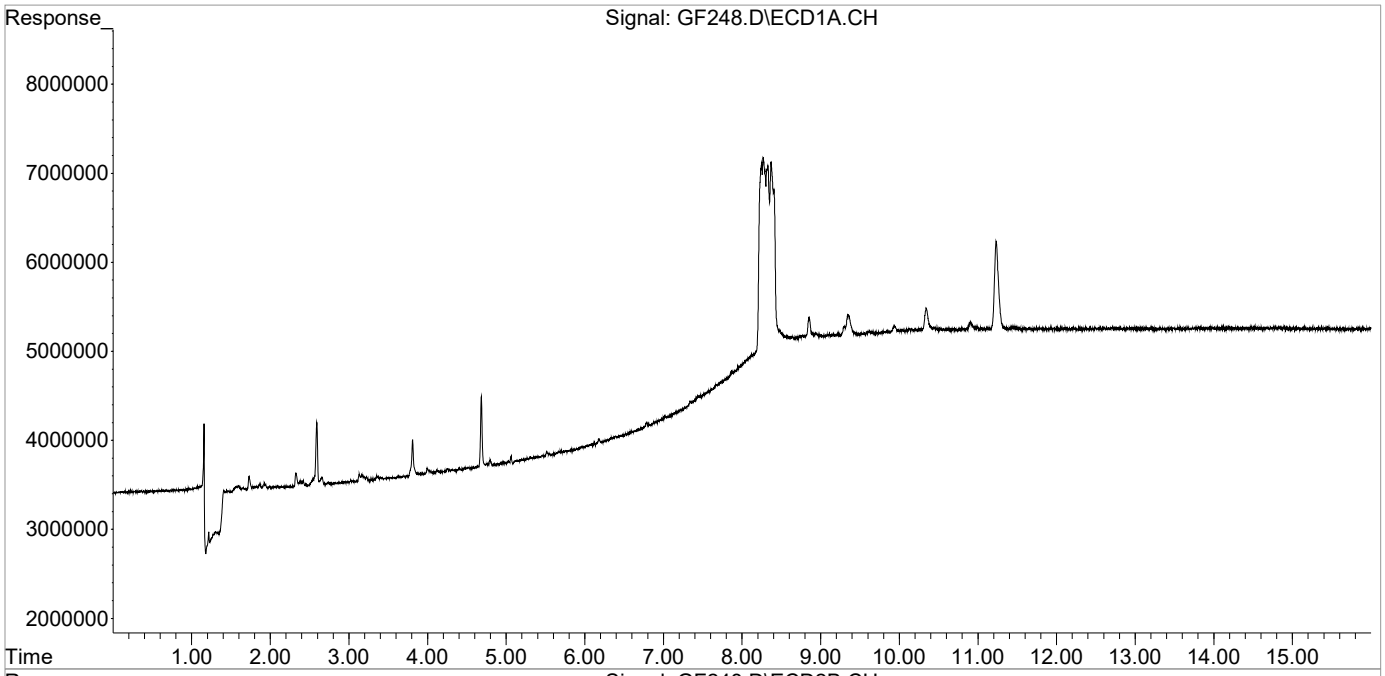
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

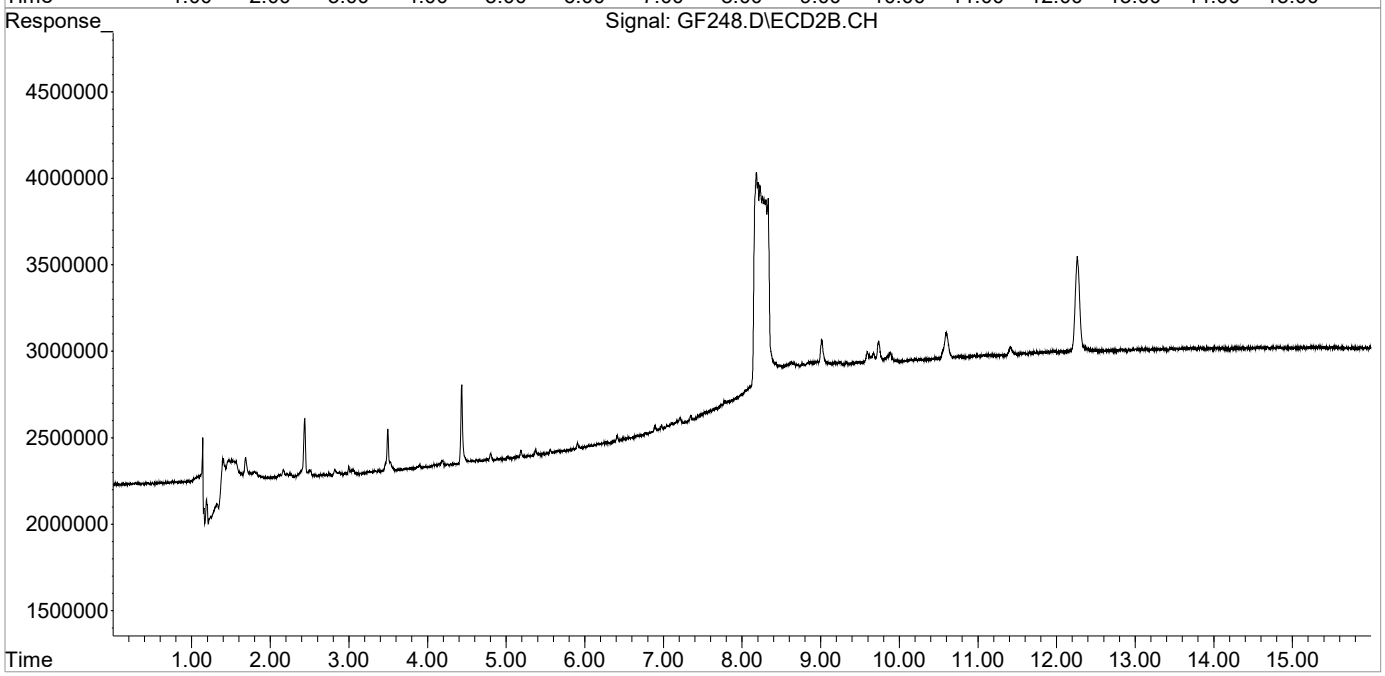
2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF248.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 3:00 pm
Operator :
Sample : blk
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 12:17:58 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:45:07 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m





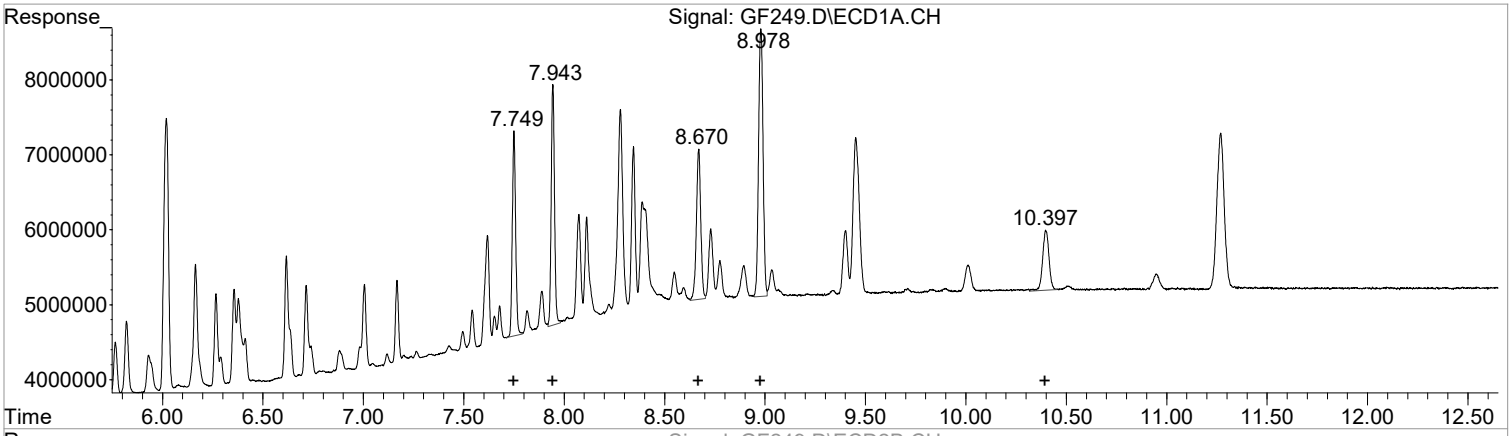
Quantitation Report (Qedit)

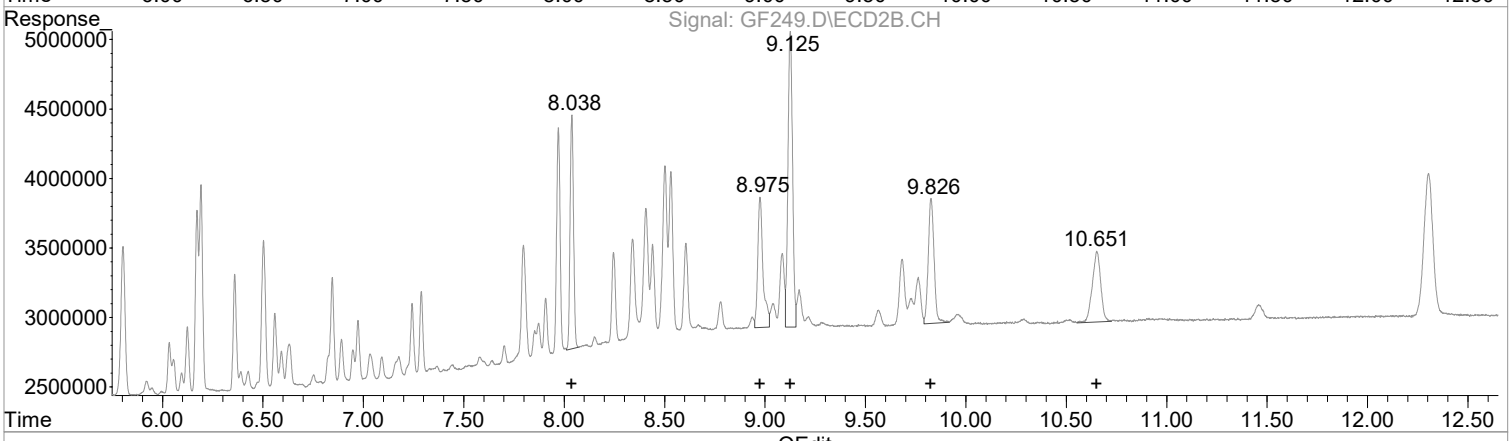
2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF249.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 3:19 pm
Operator :
Sample : 1660 LL
Misc : INITIAL CAL.
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:10:17 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:04:14 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m





QEdit

(33) PCB 1260 (L7c)

R.T.	Response	Conc
7.75	31653469	25.20
7.94	36554347	25.10
8.67	30121587	24.53
8.98	55577574	24.37
10.40	17476552	25.53

(33) PCB 1260 #2 (L7c)

R.T.	Response	Conc
8.04	19862626	24.89
8.97	17144568	25.14
9.13	33736631	25.07
9.83	18040564	25.16
10.65	14761099	25.17

Manual Integration:

After

Poor integration.

06/06/19

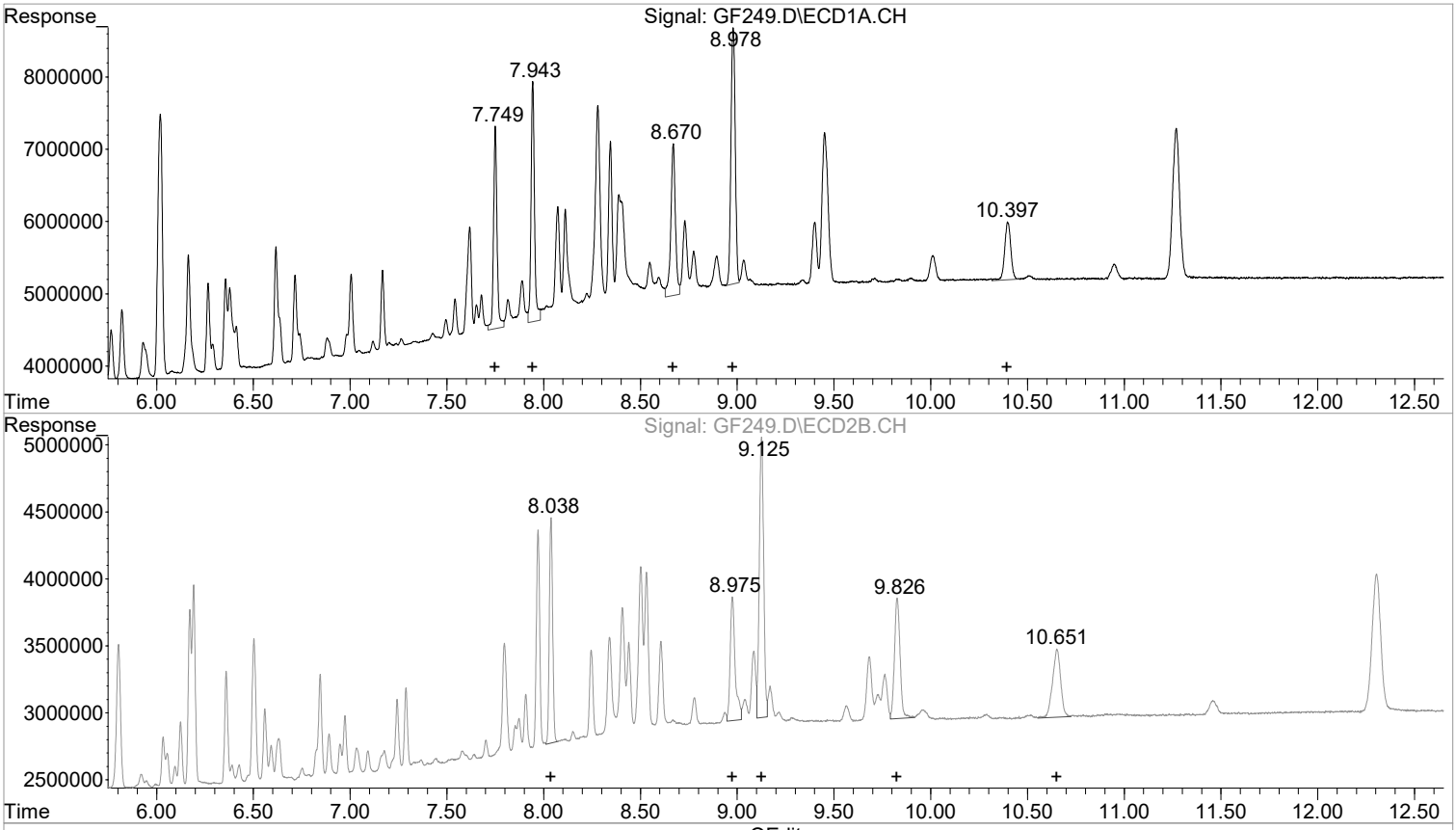
(+) = Expected Retention Time

2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF249.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 3:19 pm
Operator :
Sample : 1660 LL
Misc : INITIAL CAL.
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:10:17 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:04:14 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(33) PCB 1260 (L7c)

R.T.	Response	Conc
7.75	35011732	27.87
7.94	41076985	28.20
8.67	34479014	28.08
8.98	54670841	23.97
10.40	17476552	25.53

(33) PCB 1260 #2 (L7c)

R.T.	Response	Conc
8.04	19862626	24.89
8.98	16461203	24.14
9.13	32627674	24.24
9.83	18040564	25.16
10.65	14761099	25.17

Manual Integration:

Before

06/06/19

(+) = Expected Retention Time

2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF249.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 3:19 pm
Operator :
Sample : 1660 LL
Misc : INITIAL CAL.
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:10:17 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:04:14 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
System Monitoring Compounds						
1) S SURR1, TCMX	4.504	4.580	69551696	36698405	2.185	2.324
Spiked Amount 100.000	Range 30 - 150		Recovery =		2.19%#	2.32%#
2) S SURR2,Dec...	11.269	12.304	52764158	32972840	2.517	2.673
Spiked Amount 100.000	Range 30 - 150		Recovery =		2.52%#	2.67%#
Target Compounds						
3) L1c PCB 1016	5.134	5.344	14241904	6163288	26.214	24.182
4) L1c PCB 1016{2}	5.560	5.803	31318603	15724179	26.277	25.683
5) L1c PCB 1016{3}	5.765	6.360	8285045	9044617	24.193	24.526
6) L1c PCB 1016{4}	5.821	6.503	12328020	14533066	26.662	25.077
7) L1c PCB 1016{5}	6.164	6.845	24479740	10489144	24.965	25.054
Sum PCB 1016			90653312	55954294	128.311	124.522
Average PCB 1016					25.662	24.904
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
33) L7c PCB 1260	7.749	8.038	31653469	19862626	25.198m	24.891
34) L7c PCB 1260{2}	7.943	8.975	36554347	17144568	25.099m	25.141m
35) L7c PCB 1260{3}	8.670	9.125	30121587	33736631	24.532m	25.065m
36) L7C PCB 1260{4}	8.978	9.826	55577574	18040564	24.367m	25.161
37) L7C PCB 1260{5}	10.397	10.652	17476552	14761099	25.528	25.165
Sum PCB 1260			171.4E6	103.5E6	124.723	125.424
Average PCB 1260					24.945	25.085
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

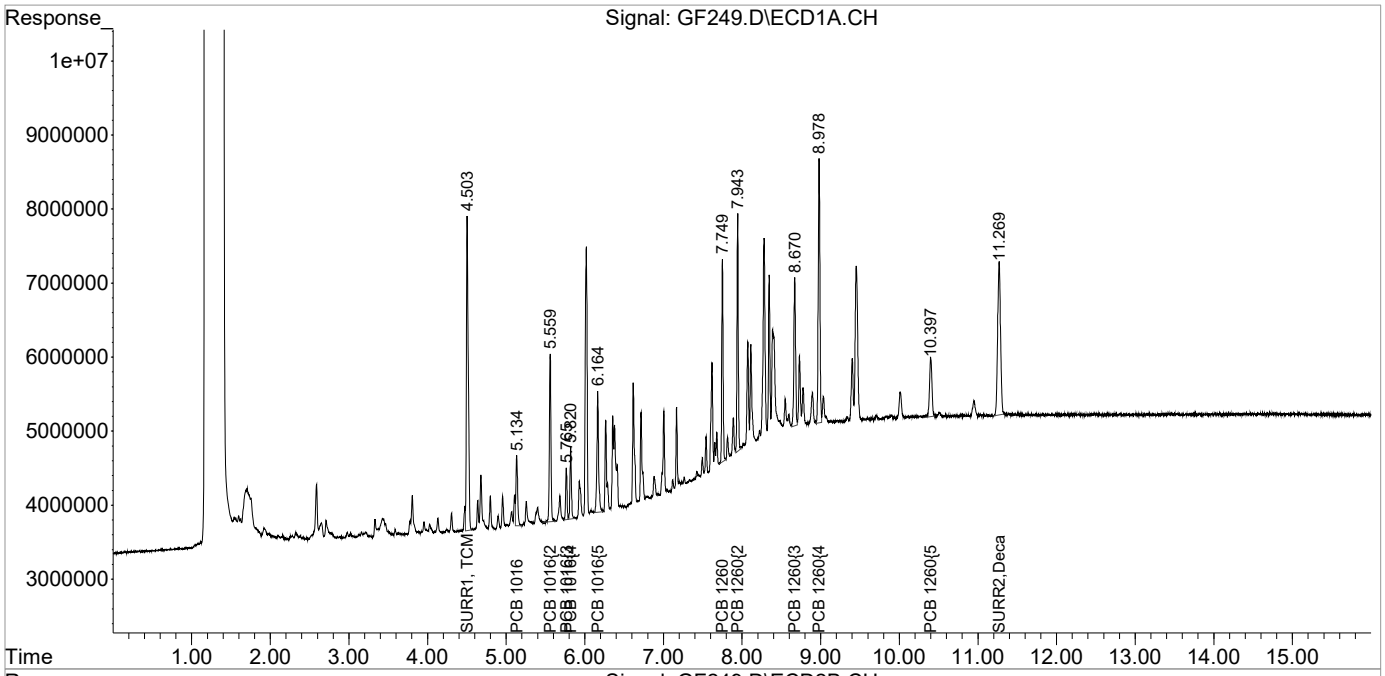
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

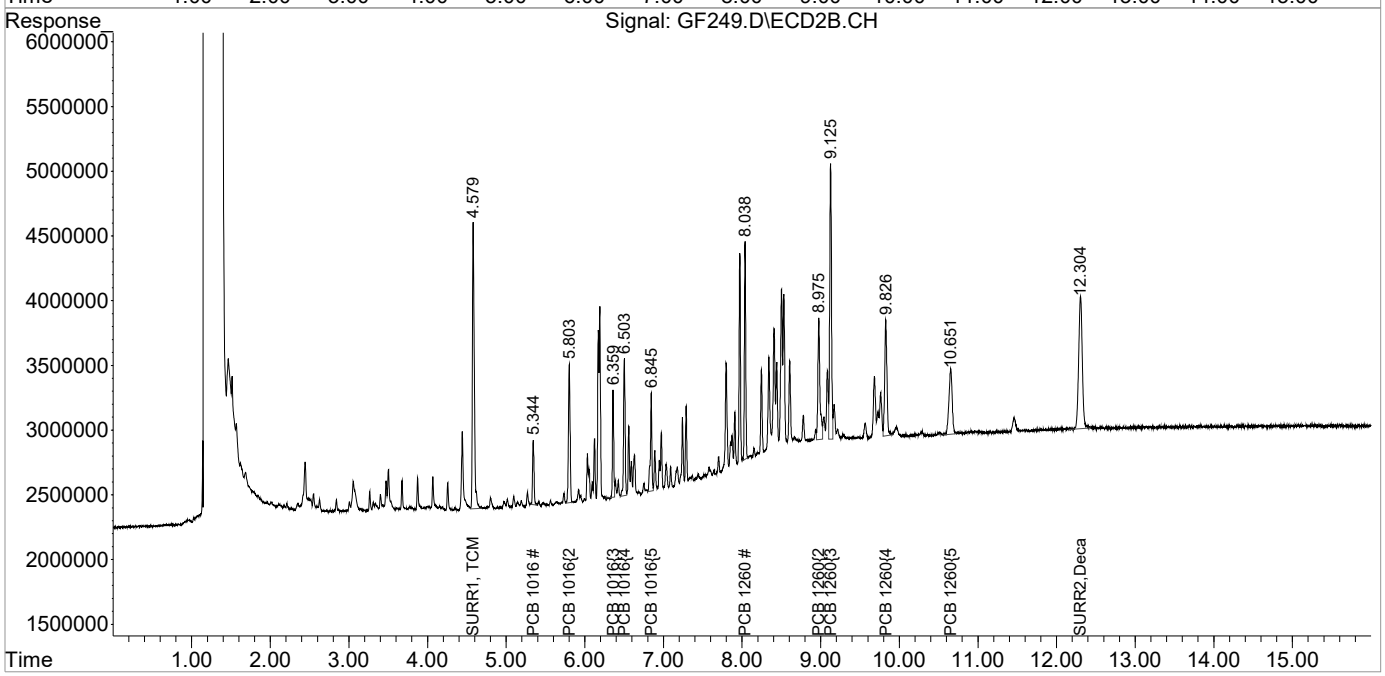
2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF249.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 3:19 pm
Operator :
Sample : 1660 LL
Misc : INITIAL CAL.
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:10:17 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:04:14 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m





2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF250.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 3:39 pm
Operator :
Sample : 1660 L
Misc : INITIAL CAL.
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:06:22 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:04:14 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
System Monitoring Compounds						
1) S SURR1, TCMX	4.503	4.580	612.5E6	300.6E6	17.614	16.382
Spiked Amount 100.000	Range 30 - 150		Recovery =		17.61%#	16.38%#
2) S SURR2,Dec...	11.266	12.301	395.8E6	236.2E6	14.791	14.249
Spiked Amount 100.000	Range 30 - 150		Recovery =		14.79%#	14.25%#
Target Compounds						
3) L1c PCB 1016	5.134	5.345	54474637	26601058	76.499	86.321
4) L1c PCB 1016{2}	5.560	5.804	118.4E6	62377649	75.601	79.340
5) L1c PCB 1016{3}	5.766	6.361	33879511	37320000	81.785	80.087
6) L1c PCB 1016{4}	5.821	6.503	45923388	58414447	74.502	80.388
7) L1c PCB 1016{5}	6.164	6.846	98577306	42432263	80.538	80.907
Sum PCB 1016			351.2E6	227.1E6	388.925	407.044
Average PCB 1016					77.785	81.409
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
33) L7c PCB 1260	7.749	8.038	126.9E6	80318375	78.635	80.874
34) L7c PCB 1260{2}	7.943	8.975	148.1E6	67103067	80.382	76.701
35) L7c PCB 1260{3}	8.670	9.127	124.3E6	130.8E6	81.215	77.026
36) L7C PCB 1260{4}	8.978	9.827	220.3E6	70708847	78.820	77.607
37) L7C PCB 1260{5}	10.397	10.651	66176771	55758680	75.914	71.042
Sum PCB 1260			685.8E6	404.7E6	394.966	383.250
Average PCB 1260					78.993	76.650
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

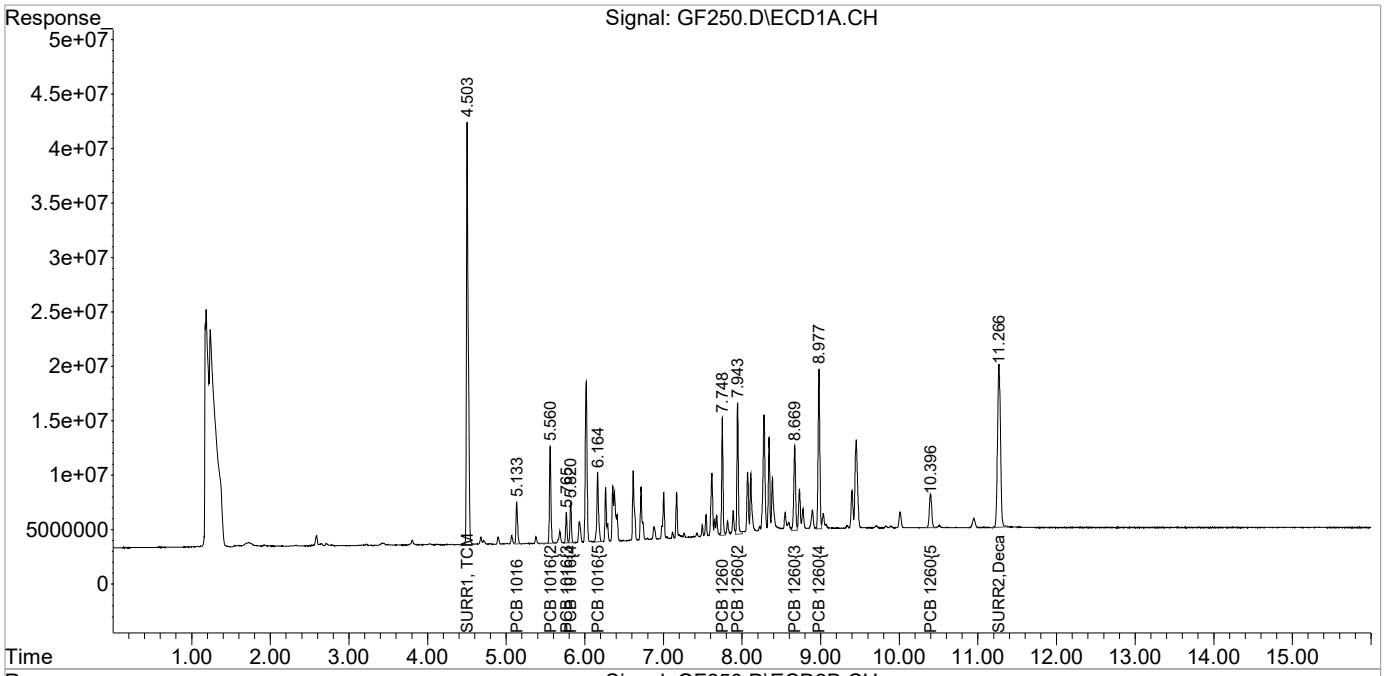
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

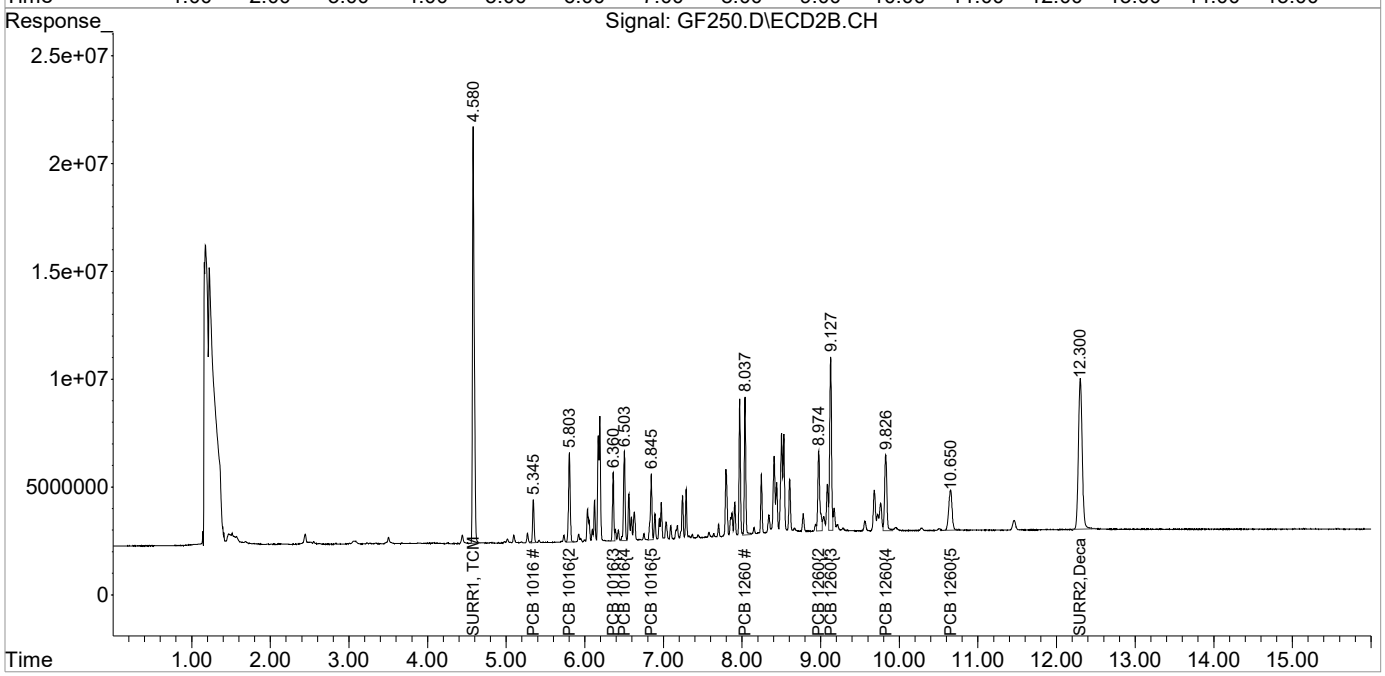
2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF250.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 3:39 pm
Operator :
Sample : 1660 L
Misc : INITIAL CAL.
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:06:22 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:04:14 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m





2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF251.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 3:59 pm
Operator :
Sample : 1660 ML
Misc : INITIAL CAL.
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:07:08 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:04:14 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
System Monitoring Compounds						
1) S SURR1, TCMX	4.503	4.581	1279.1E6	625.3E6	39.114	37.467
Spiked Amount 100.000	Range 30 - 150		Recovery =		39.11%	37.47%
2) S SURR2,Dec...	11.264	12.299	825.4E6	494.3E6	35.462	34.820
Spiked Amount 100.000	Range 30 - 150		Recovery =		35.46%	34.82%
Target Compounds						
3) L1c PCB 1016	5.134	5.345	133.8E6	64891379	212.861	226.033
4) L1c PCB 1016{2}	5.560	5.803	292.8E6	152.6E6	212.971	216.393
5) L1c PCB 1016{3}	5.765	6.359	85107476	92157177	226.035	219.633
6) L1c PCB 1016{4}	5.820	6.502	112.5E6	144.3E6	209.134	220.244
7) L1c PCB 1016{5}	6.163	6.846	244.8E6	105.3E6	221.567	222.039
Sum PCB 1016			869.0E6	559.3E6	1082.567	1104.343
Average PCB 1016					216.513	220.869
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
33) L7c PCB 1260	7.749	8.038	311.2E6	203.7E6	215.922	226.759
34) L7c PCB 1260{2}	7.943	8.975	363.1E6	175.0E6	218.564	226.359
35) L7c PCB 1260{3}	8.667	9.126	306.9E6	345.5E6	221.254	229.867
36) L7C PCB 1260{4}	8.977	9.826	571.5E6	183.0E6	228.676	226.130
37) L7C PCB 1260{5}	10.394	10.648	171.9E6	148.0E6	224.170	220.494
Sum PCB 1260			1724.6E6	1055.1E6	1108.586	1129.609
Average PCB 1260					221.717	225.922
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

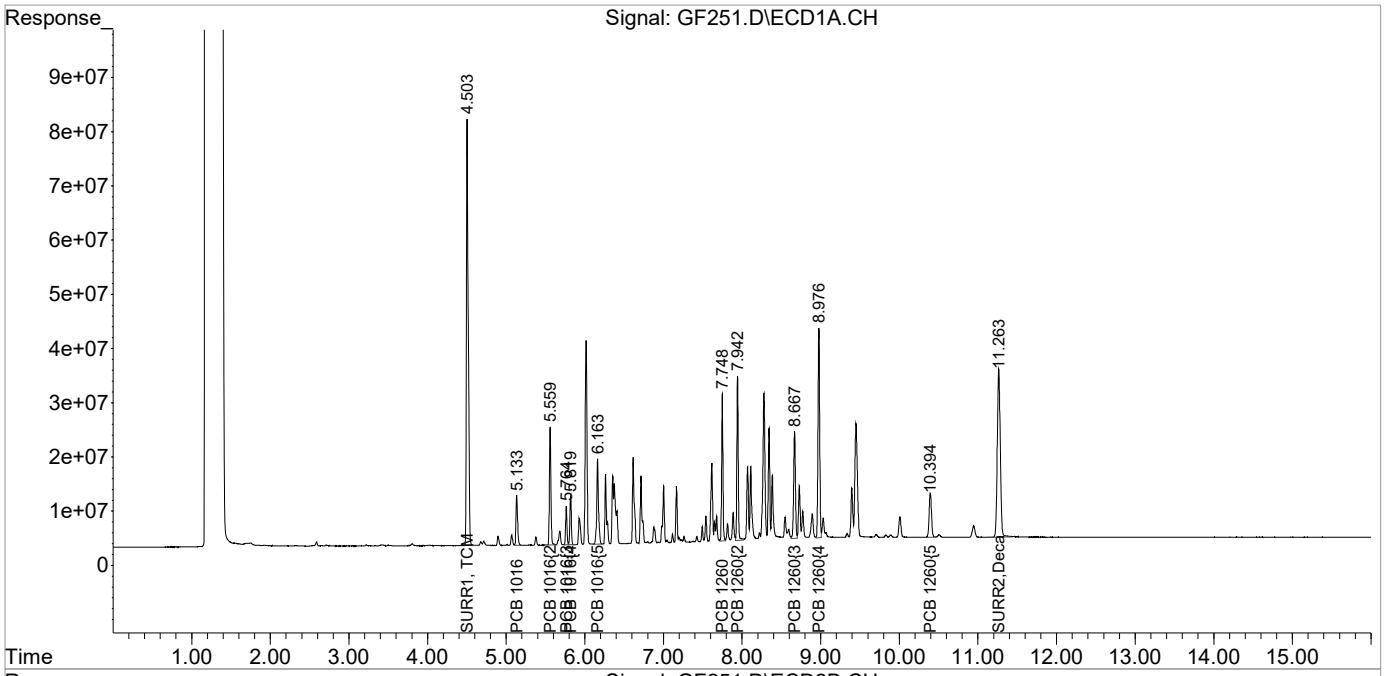
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

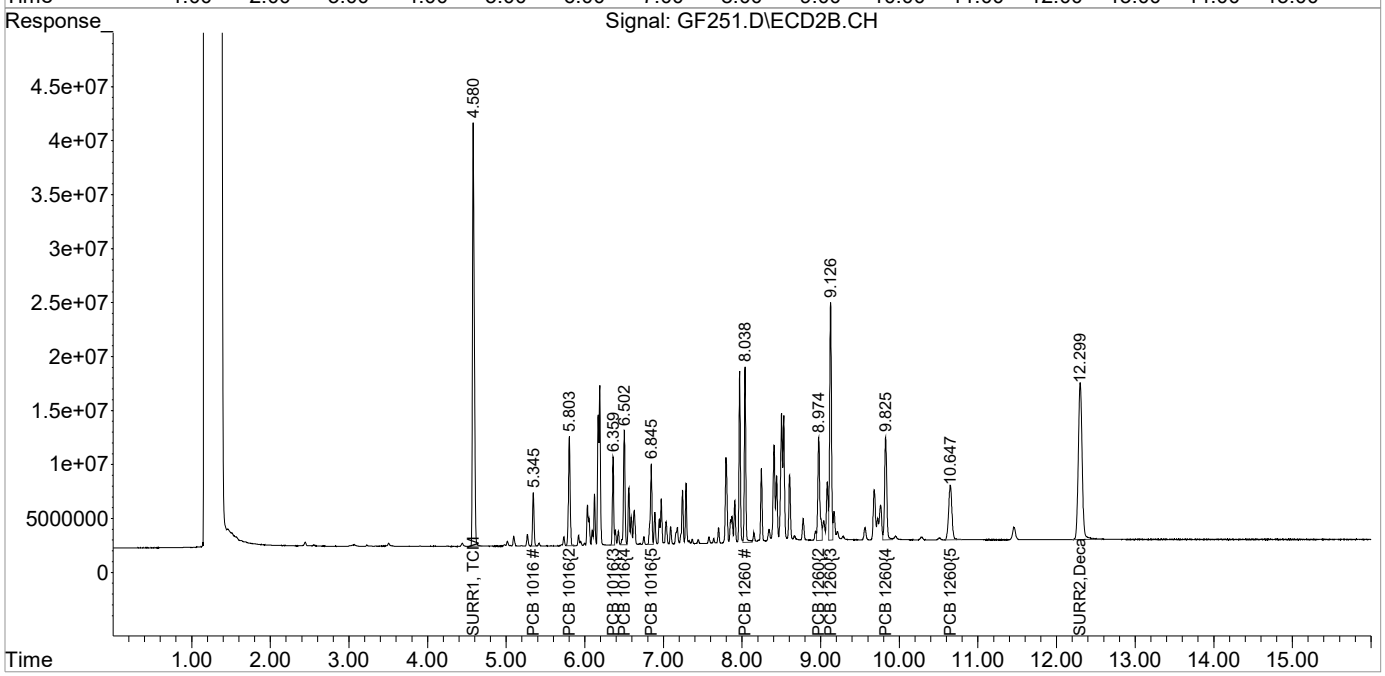
2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF251.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 3:59 pm
Operator :
Sample : 1660 ML
Misc : INITIAL CAL.
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:07:08 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:04:14 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m





2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF252.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 4:18 pm
Operator :
Sample : 1660 M
Misc : INITIAL CAL.
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:07:54 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:04:14 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
System Monitoring Compounds						
1) S SURR1, TCMX	4.503	4.581	1753.9E6	860.1E6	54.034	52.645
Spiked Amount 100.000	Range 30 - 150		Recovery =		54.03%	52.65%
2) S SURR2,Dec...	11.263	12.302	1096.9E6	655.3E6	48.981	48.248
Spiked Amount 100.000	Range 30 - 150		Recovery =		48.98%	48.25%
Target Compounds						
3) L1c PCB 1016	5.133	5.345	234.0E6	112.3E6	391.723	404.154
4) L1c PCB 1016{2}	5.559	5.803	513.6E6	266.5E6	392.947	395.770
5) L1c PCB 1016{3}	5.764	6.359	150.7E6	161.2E6	413.316	400.485
6) L1c PCB 1016{4}	5.820	6.503	197.6E6	254.5E6	388.574	404.412
7) L1c PCB 1016{5}	6.163	6.846	422.1E6	184.4E6	397.109	403.697
Sum PCB 1016			1517.9E6	979.0E6	1983.670	2008.518
Average PCB 1016					396.734	401.704
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
33) L7c PCB 1260	7.748	8.037	539.3E6	349.0E6	391.999	401.011
34) L7c PCB 1260{2}	7.943	8.975	628.1E6	304.5E6	394.590	406.782
35) L7c PCB 1260{3}	8.667	9.127	528.7E6	606.3E6	396.321	414.446
36) L7C PCB 1260{4}	8.976	9.828	992.5E6	317.1E6	408.764	404.782
37) L7C PCB 1260{5}	10.394	10.654	295.1E6	255.1E6	398.603	395.630
Sum PCB 1260			2983.7E6	1832.0E6	1990.278	2022.651
Average PCB 1260					398.056	404.530
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

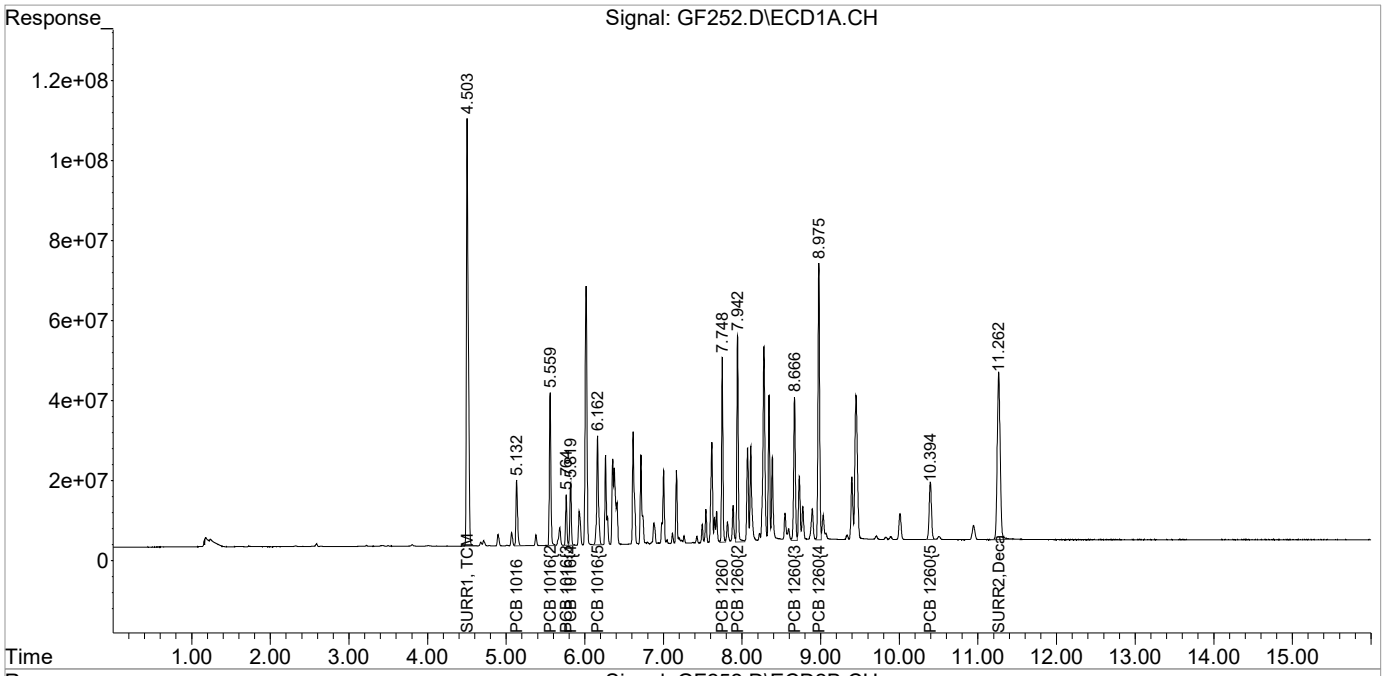
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

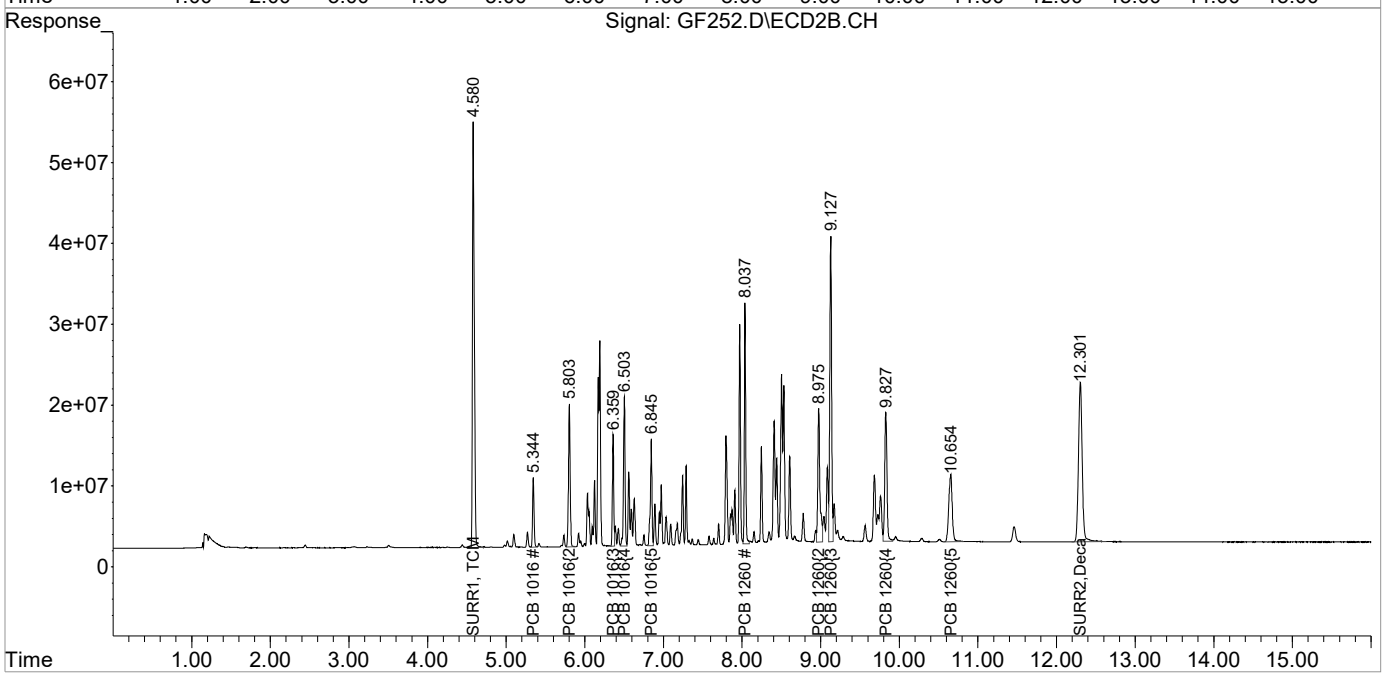
2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF252.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 4:18 pm
Operator :
Sample : 1660 M
Misc : INITIAL CAL.
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:07:54 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:04:14 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m





2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF253.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 4:38 pm
Operator :
Sample : 1660 MH
Misc : INITIAL CAL.
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:08:40 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:04:14 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
System Monitoring Compounds						
1) S SURR1, TCMX	4.503	4.580	2637.6E6	1287.1E6	83.330	81.273
Spiked Amount 100.000	Range 30 - 150		Recovery =		83.33%	81.27%
2) S SURR2,Dec...	11.263	12.299	1633.3E6	906.8E6	76.444	70.201
Spiked Amount 100.000	Range 30 - 150		Recovery =		76.44%	70.20%
Target Compounds						
3) L1c PCB 1016	5.132	5.345	386.9E6	182.5E6	684.773	689.806
4) L1c PCB 1016{2}	5.558	5.803	854.2E6	434.0E6	690.534	679.934
5) L1c PCB 1016{3}	5.764	6.359	254.5E6	262.8E6	729.881	687.023
6) L1c PCB 1016{4}	5.819	6.503	330.5E6	416.3E6	688.267	694.673
7) L1c PCB 1016{5}	6.162	6.845	713.1E6	297.8E6	707.229	684.978
Sum PCB 1016			2539.2E6	1593.5E6	3500.684	3436.413
Average PCB 1016					700.137	687.283
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
33) L7c PCB 1260	7.748	8.037	899.8E6	568.2E6	691.345	686.886
34) L7c PCB 1260{2}	7.942	8.974	1042.6E6	465.1E6	691.428	651.721
35) L7c PCB 1260{3}	8.667	9.126	891.9E6	932.1E6	705.161	665.652
36) L7C PCB 1260{4}	8.976	9.826	1688.7E6	488.3E6	728.711	654.512
37) L7C PCB 1260{5}	10.392	10.649	492.2E6	411.2E6	700.318	672.731
Sum PCB 1260			5015.2E6	2864.9E6	3516.963	3331.502
Average PCB 1260					703.393	666.300
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

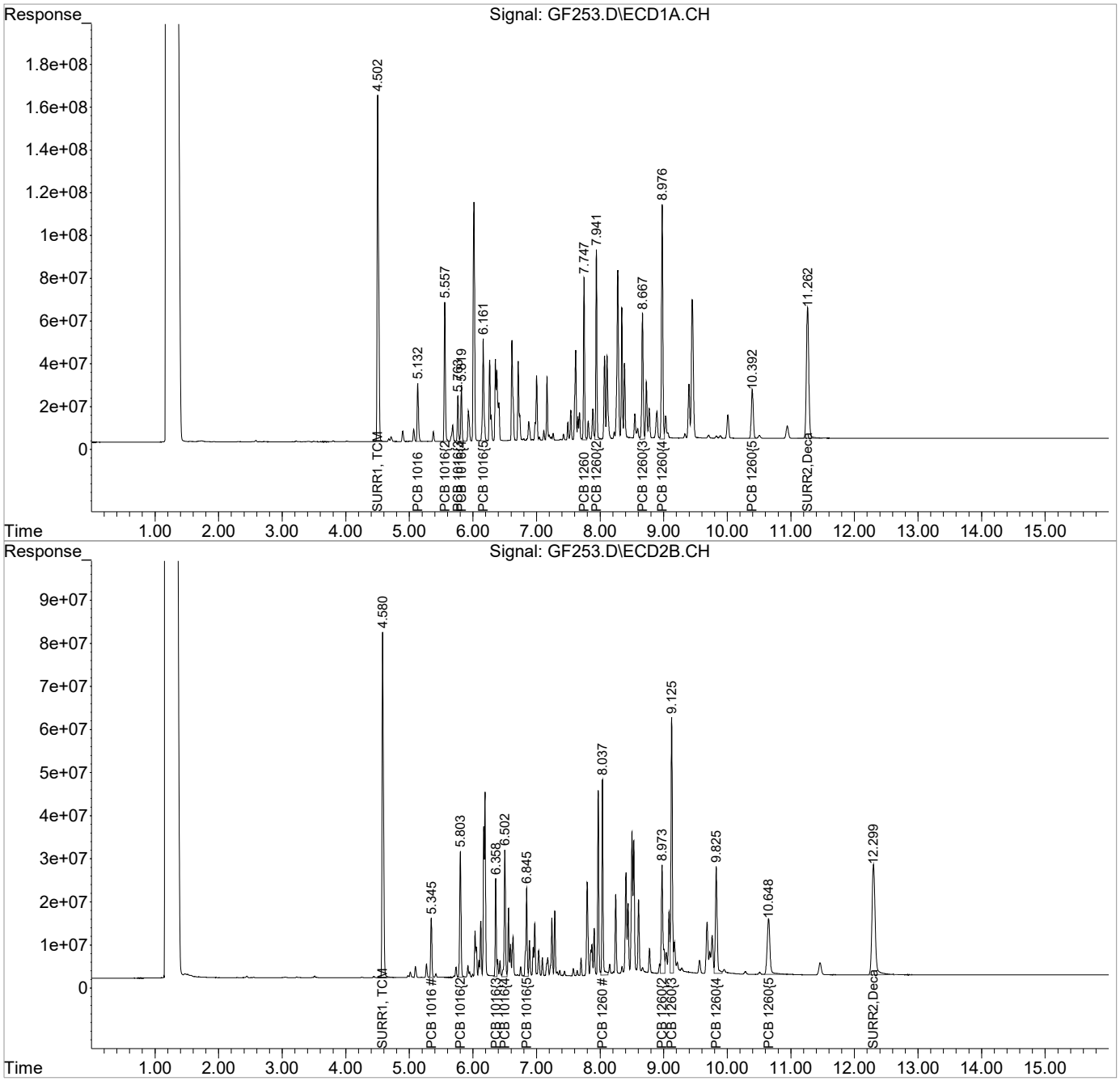
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF253.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 4:38 pm
Operator :
Sample : 1660 MH
Misc : INITIAL CAL.
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:08:40 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:04:14 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF254.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 4:58 pm
Operator :
Sample : 1660 H
Misc : INITIAL CAL.
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:09:27 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:04:14 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
System Monitoring Compounds						
1) S SURR1, TCMX	4.502	4.581	3143.3E6	1532.8E6	98.485	96.483
Spiked Amount 100.000	Range 30 - 150		Recovery =		98.48%	96.48%
2) S SURR2,Dec...	11.262	12.297	1987.8E6	1100.3E6	93.868	87.320
Spiked Amount 100.000	Range 30 - 150		Recovery =		93.87%	87.32%
Target Compounds						
3) L1c PCB 1016	5.133	5.345	484.1E6	227.5E6	871.976	873.702
4) L1c PCB 1016{2}	5.559	5.802	1064.0E6	541.5E6	873.949	864.567
5) L1c PCB 1016{3}	5.764	6.359	320.6E6	331.9E6	924.377	882.404
6) L1c PCB 1016{4}	5.819	6.501	412.9E6	524.9E6	874.309	888.998
7) L1c PCB 1016{5}	6.162	6.845	899.4E6	376.1E6	902.305	880.435
Sum PCB 1016			3181.0E6	2002.0E6	4446.916	4390.106
Average PCB 1016					889.383	878.021
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
33) L7c PCB 1260	7.747	8.037	1131.2E6	721.3E6	882.927	886.898
34) L7c PCB 1260{2}	7.941	8.974	1316.5E6	616.6E6	886.910	887.266
35) L7c PCB 1260{3}	8.666	9.125	1119.1E6	1231.5E6	895.521	899.713
36) L7C PCB 1260{4}	8.975	9.827	2164.1E6	666.7E6	939.196	916.991
37) L7C PCB 1260{5}	10.392	10.650	640.2E6	526.5E6	923.152	879.629
Sum PCB 1260			6371.1E6	3762.8E6	4527.706	4470.498
Average PCB 1260					905.541	894.100
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

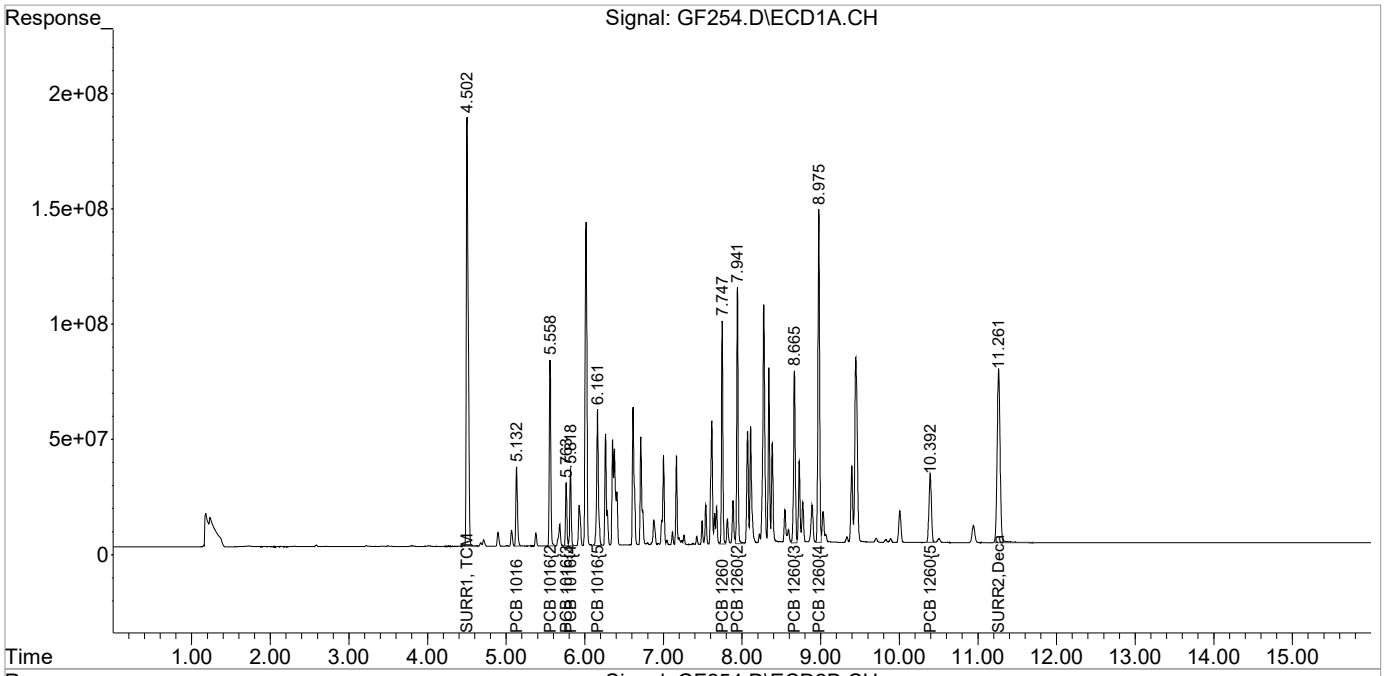
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

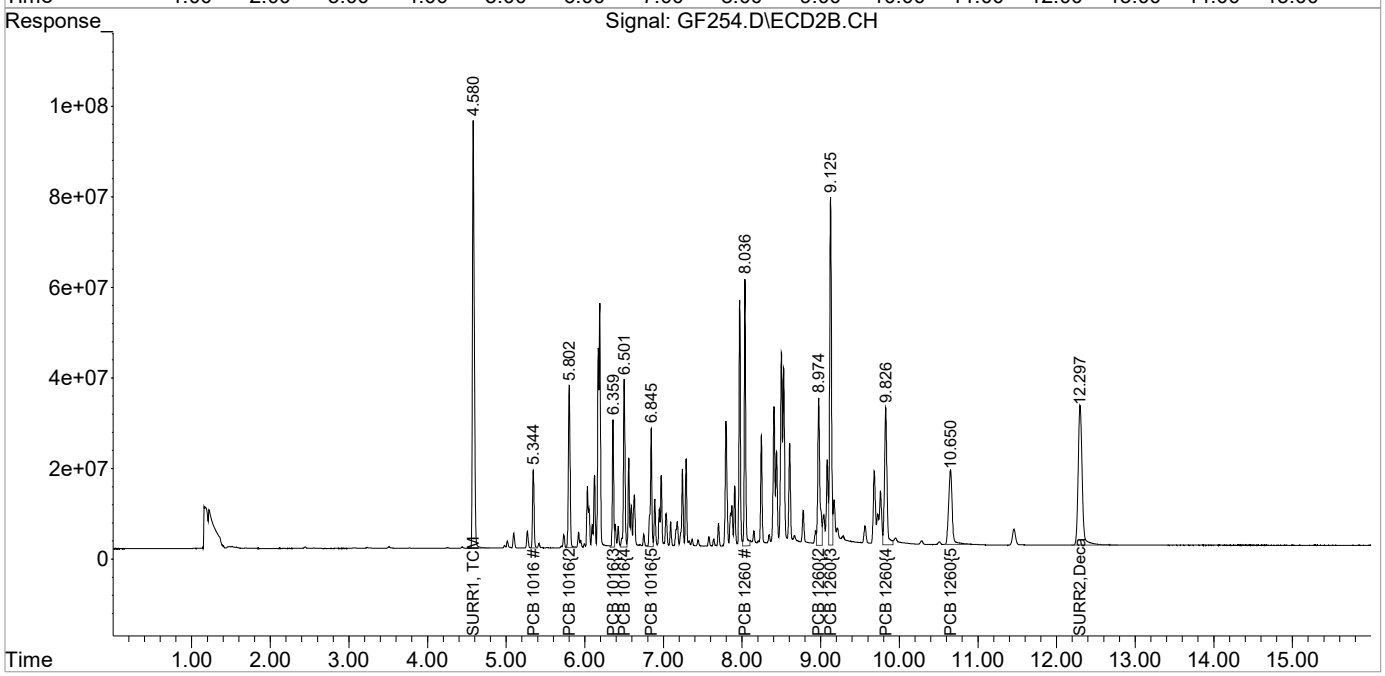
2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF254.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 4:58 pm
Operator :
Sample : 1660 H
Misc : INITIAL CAL.
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:09:27 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:04:14 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m





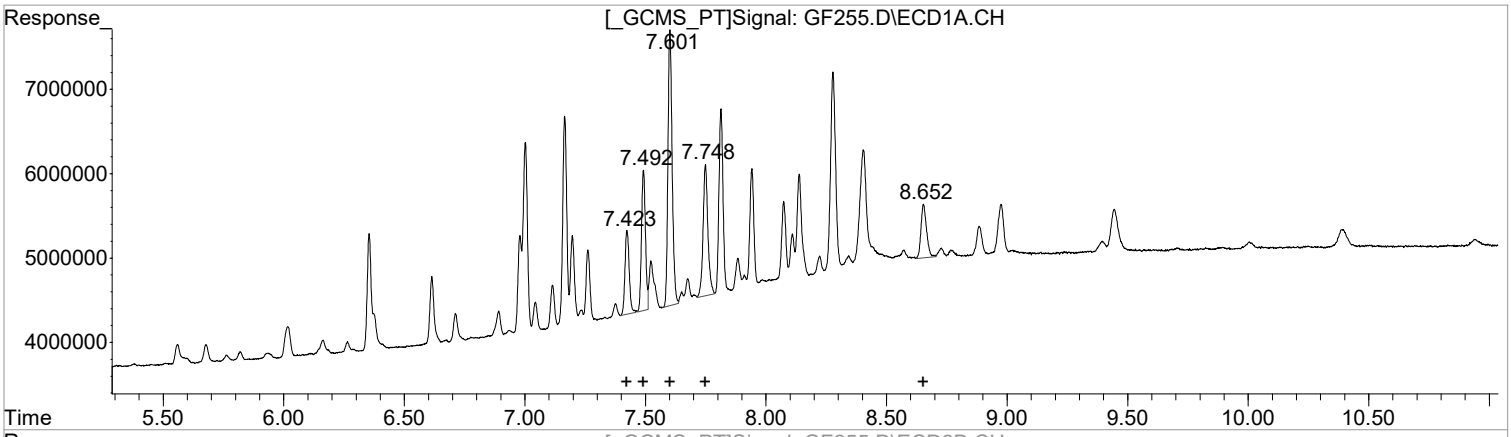
Quantitation Report (Qedit)

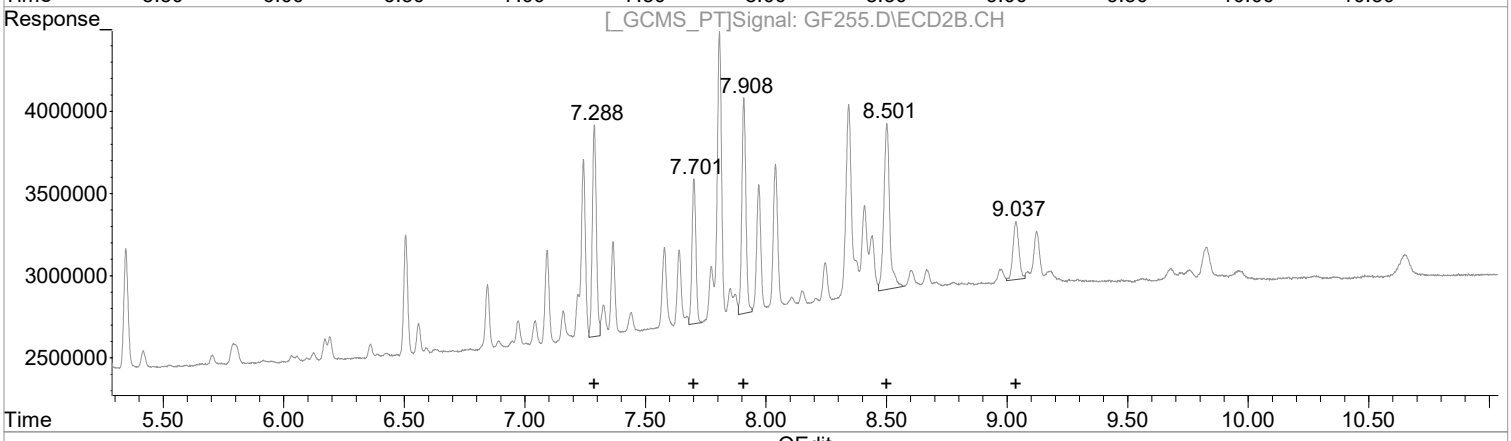
2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF255.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 5:17 pm
Operator :
Sample : 1221/54 LL
Misc : INITIAL CAL.
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:18:48 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:18:37 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m





QEdit

(28) PCB 1254 (L6c)

R.T.	Response	Conc
7.42	12250253	22.26
7.49	19245257	21.83
7.60	39798106	21.97
7.75	21452745	22.13
8.65	10185123	22.68

(28) PCB 1254 #2 (L6c)

R.T.	Response	Conc
7.29	14992832	23.54
7.70	9977243	21.72
7.91	15409539	22.71
8.50	16759338	23.32
9.04	6030434	20.71

Manual Integration:

After

Poor integration.

06/06/19

(+) = Expected Retention Time

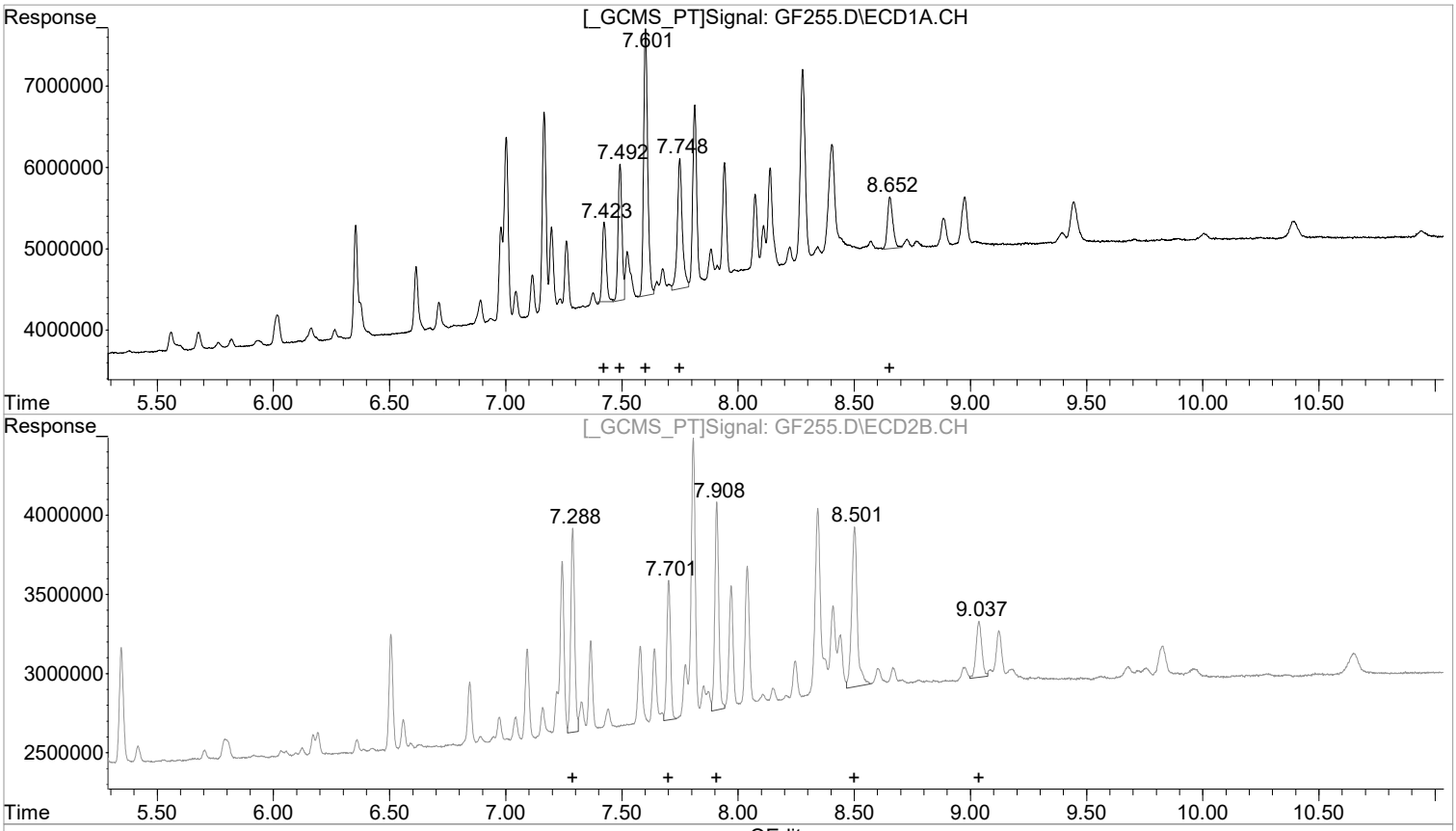
Quantitation Report (Qedit)

2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF255.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 5:17 pm
Operator :
Sample : 1221/54 LL
Misc : INITIAL CAL.
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:18:48 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:18:37 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

(28) PCB 1254 (L6c)

R.T.	Response	Conc
7.42	12508890	22.73
7.49	19498067	22.12
7.60	40160389	22.17
7.75	23384766	24.12
8.65	10185123	22.68

(28) PCB 1254 #2 (L6c)

R.T.	Response	Conc
7.29	14992832	23.54
7.70	9977243	21.72
7.91	15409539	22.71
8.50	16759338	23.32
9.04	6030434	20.71

Manual Integration:

Before

06/06/19

(+) = Expected Retention Time

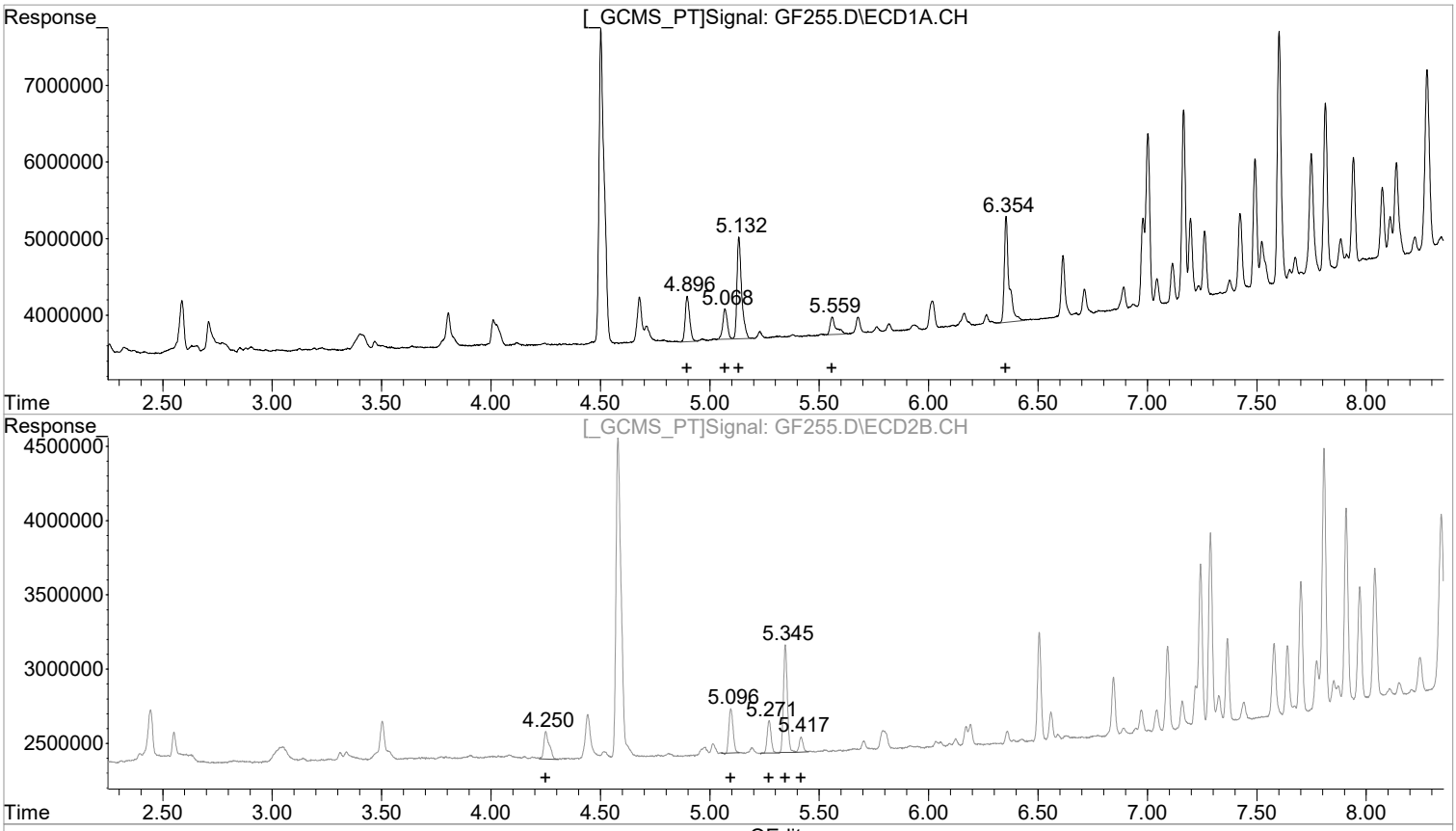
Quantitation Report (Qedit)

2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF255.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 5:17 pm
Operator :
Sample : 1221/54 LL
Misc : INITIAL CAL.
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:18:48 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:18:37 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(8) PCB 1221 (L2c)

R.T.	Response	Conc
4.90	8396028	22.72
5.07	5651059	23.41
5.13	19604336	22.57
5.56	4168987	21.48
6.35	20677270	23.34

(8) PCB 1221 #2 (L2c)

R.T.	Response	Conc
4.25	3201377	24.16
5.10	3942410	21.47
5.27	2887073	23.27
5.35	9023818	23.62
5.42	1258037	21.48

Manual Integration:

After

Poor integration.

06/06/19

(+) = Expected Retention Time

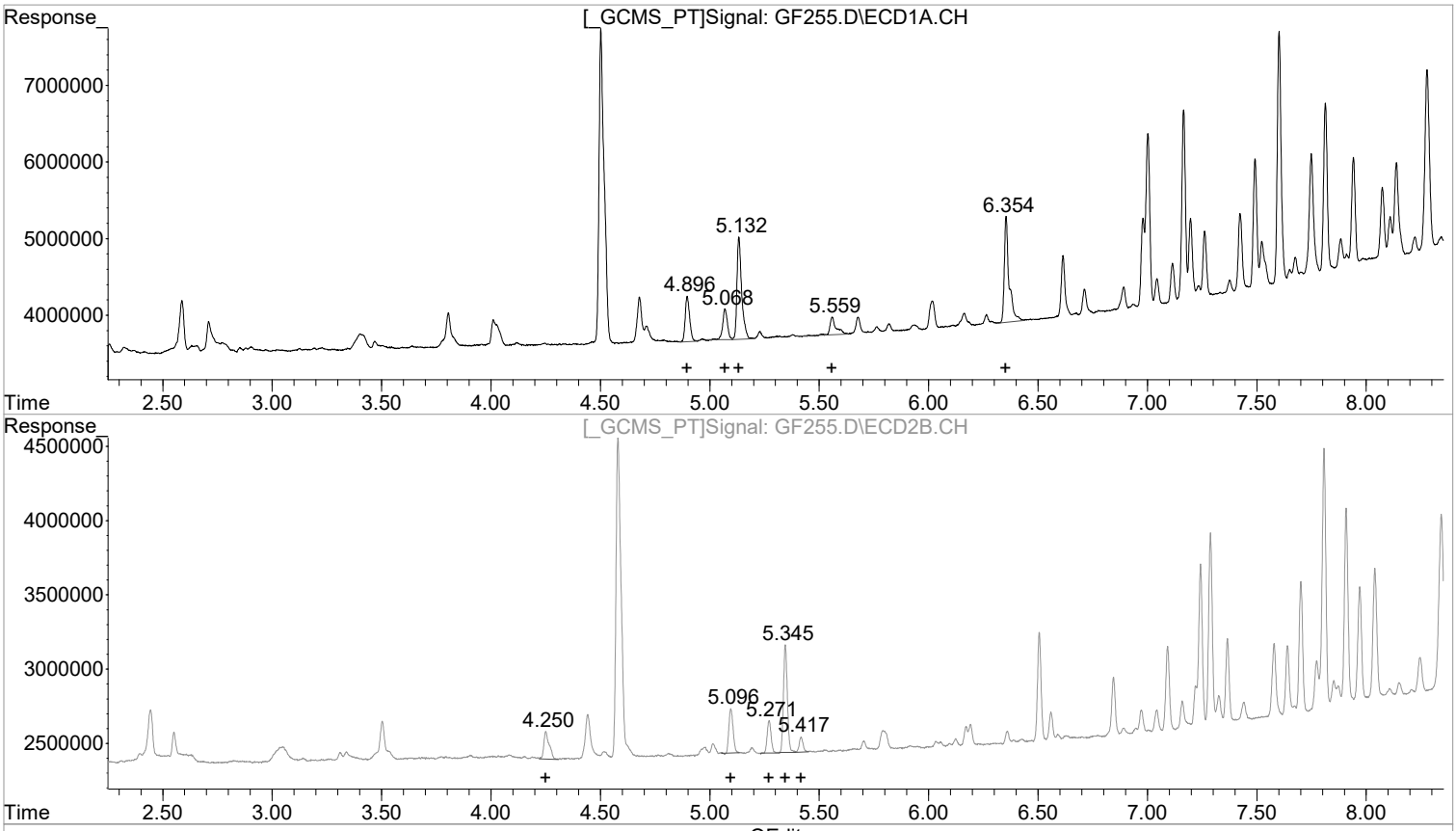
Quantitation Report (Qedit)

2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF255.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 5:17 pm
Operator :
Sample : 1221/54 LL
Misc : INITIAL CAL.
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:18:48 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:18:37 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(8) PCB 1221 (L2c)

R.T.	Response	Conc
4.90	8396028	22.72
5.07	6302647	26.11
5.13	20000104	23.02
5.56	4553188	23.46
6.35	20677270	23.34

(8) PCB 1221 #2 (L2c)

R.T.	Response	Conc
4.25	3201377	24.16
5.10	3942410	21.47
5.27	2887073	23.27
5.35	9023818	23.62
5.42	1258037	21.48

Manual Integration:

Before

06/06/19

(+) = Expected Retention Time

2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF255.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 5:17 pm
Operator :
Sample : 1221/54 LL
Misc : INITIAL CAL.
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:18:48 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:18:37 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
System Monitoring Compounds						
1) S SURR1, TCMX	4.502	4.580	68101235	35124777	2.302	2.316
Spiked Amount 100.000	Range 30 - 150		Recovery =		2.30%#	2.32%#
2) S SURR2,Dec...	11.264	12.301	65262334	36424170	3.051	2.996
Spiked Amount 100.000	Range 30 - 150		Recovery =		3.05%#	3.00%#
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
8) L2c PCB 1221	4.897	4.250	8396028	3201377	22.717	24.163
9) L2c PCB 1221{2}	5.068	5.096	5651059	3942410	23.409m	21.473
10) L2c PCB 1221{3}	5.132	5.271	19604336	2887073	22.568m	23.265
11) L2c PCB 1221{4}	5.559	5.345	4168987	9023818	21.480m	23.621
12) L2c PCB 1221{5}	6.354	5.417	20677270	1258037	23.341	21.481
Sum PCB 1221			58497680	20312716	113.515	114.002
Average PCB 1221					22.703	22.800
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
28) L6c PCB 1254	7.423	7.288	12250253	14992832	22.258m	23.541
29) L6c PCB 1254{2}	7.492	7.701	19245257	9977243	21.830m	21.716
30) L6c PCB 1254{3}	7.601	7.908	39798106	15409539	21.968m	22.710
31) L6c PCB 1254{4}	7.748	8.502	21452745	16759338	22.131m	23.318
32) L6c PCB 1254{5}	8.653	9.037	10185123	6030434	22.676	20.706
Sum PCB 1254			102.9E6	63169386	110.863	111.991
Average PCB 1254					22.173	22.398
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

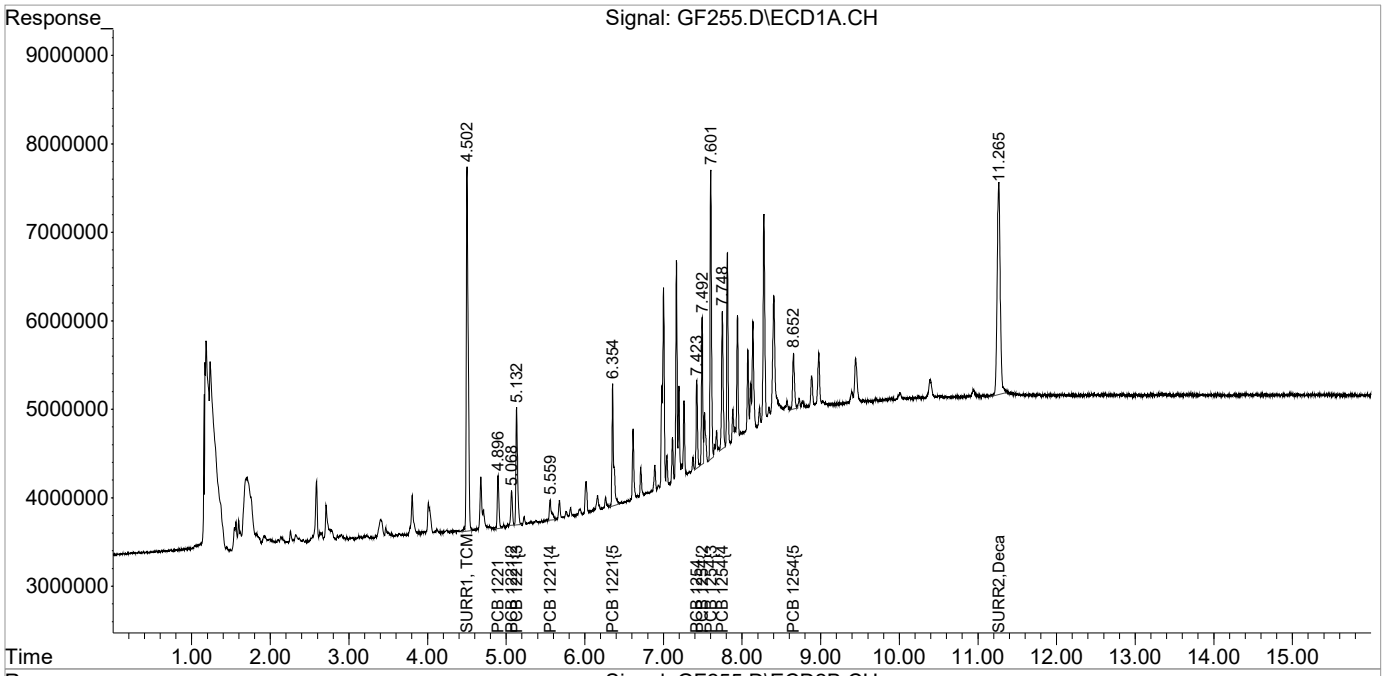
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

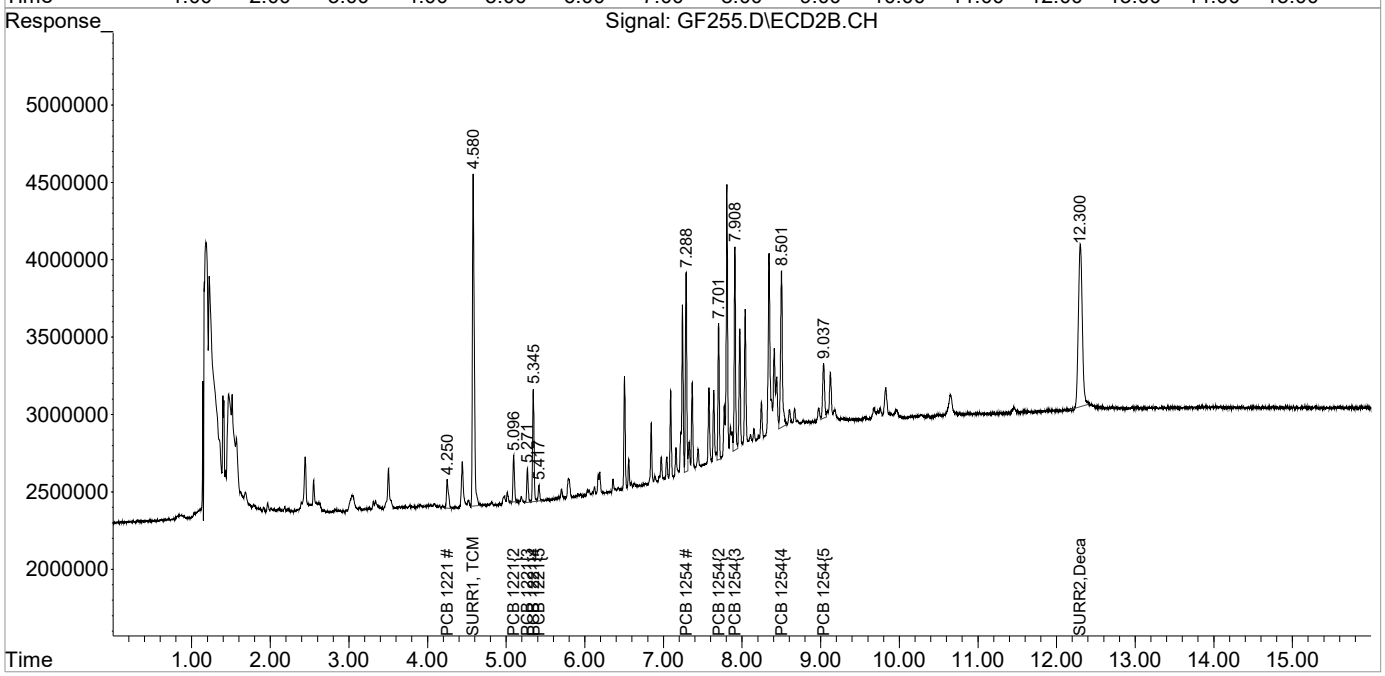
2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF255.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 5:17 pm
Operator :
Sample : 1221/54 LL
Misc : INITIAL CAL.
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:18:48 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:18:37 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m





2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF256.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 5:37 pm
Operator :
Sample : 1221/54 L
Misc : INITIAL CAL.
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:14:52 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:14:44 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
System Monitoring Compounds						
1) S SURR1, TCMX	4.502	4.580	332.4E6	170.2E6	10.482	10.864
Spiked Amount 100.000	Range 30 - 150		Recovery =		10.48%#	10.86%#
2) S SURR2,Dec...	11.263	12.299	235.4E6	133.3E6	10.623	10.254
Spiked Amount 100.000	Range 30 - 150		Recovery =		10.62%#	10.25%#
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
8) L2c PCB 1221	4.895	4.250	38724494	14603288	92.245	91.231
9) L2c PCB 1221{2}	5.069	5.096	25932412	20034577	92.141	101.636
10) L2c PCB 1221{3}	5.132	5.270	92612934	13350705	94.252	92.486
11) L2c PCB 1221{4}	5.558	5.344	20644012	41466262	97.989	91.904
12) L2c PCB 1221{5}	6.353	5.417	94010844	6094272	90.932	96.885
Sum PCB 1221			271.9E6	95549105	467.558	474.143
Average PCB 1221					93.512	94.829
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
28) L6c PCB 1254	7.424	7.288	57712510	67649826	92.274	90.243
29) L6c PCB 1254{2}	7.492	7.701	91755254	47759449	94.117	95.737
30) L6c PCB 1254{3}	7.602	7.907	188.3E6	73038353	93.755	94.796
31) L6c PCB 1254{4}	7.748	8.500	100.3E6	74451600	85.750	88.848
32) L6c PCB 1254{5}	8.653	9.036	47534582	31709770	93.341	105.166
Sum PCB 1254			485.5E6	294.6E6	459.238	474.790
Average PCB 1254					91.848	94.958
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

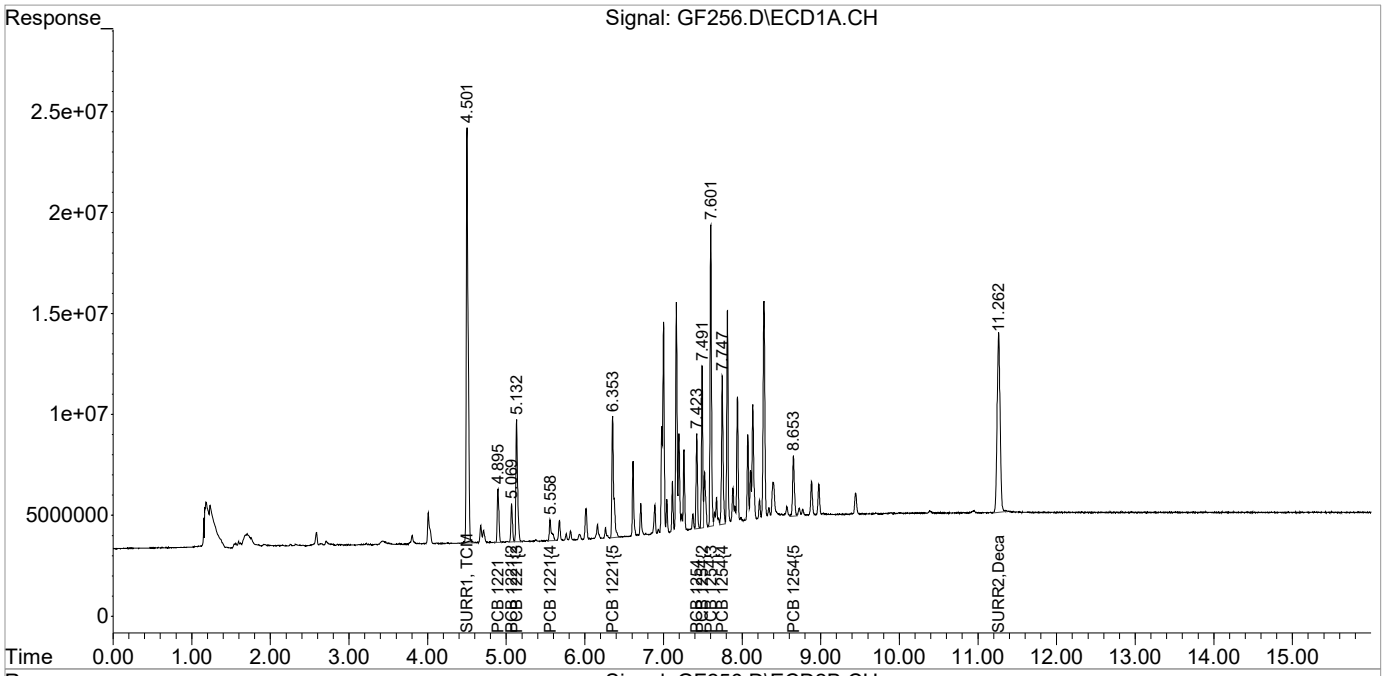
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

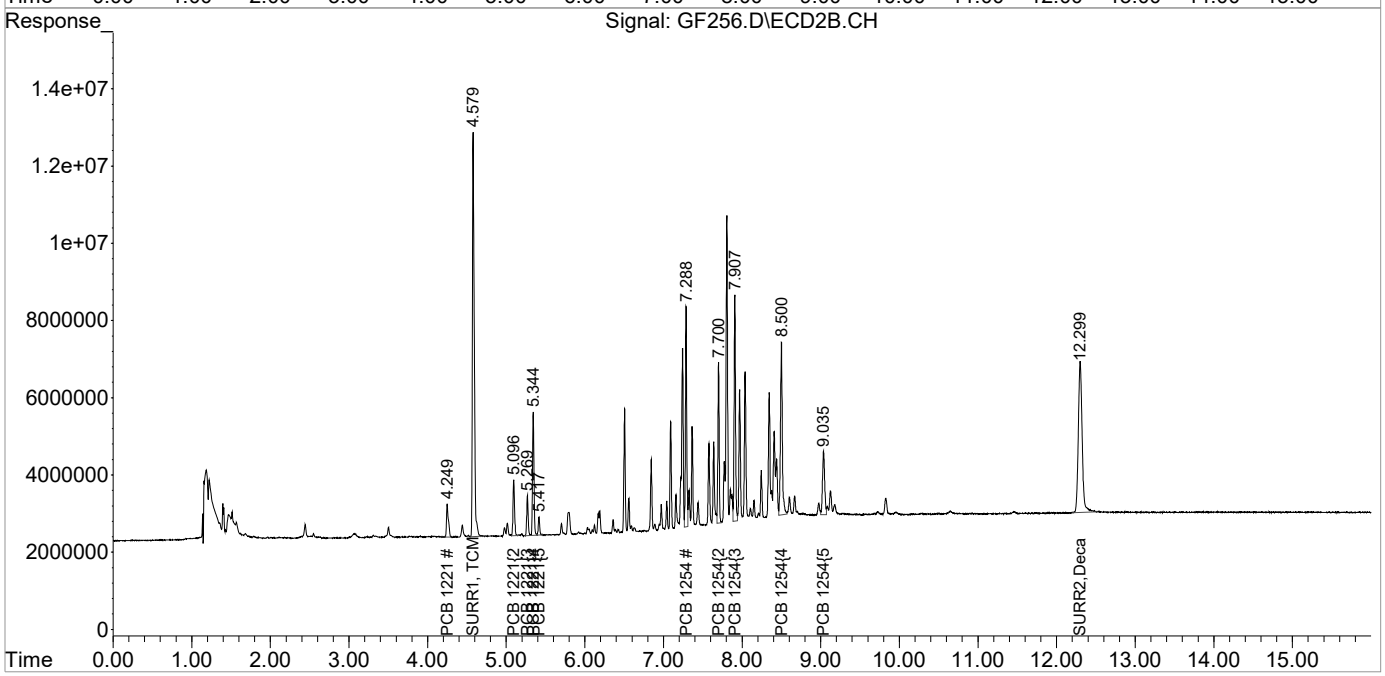
2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF256.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 5:37 pm
Operator :
Sample : 1221/54 L
Misc : INITIAL CAL.
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:14:52 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:14:44 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m





2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF257.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 5:57 pm
Operator :
Sample : 1221/54 ML
Misc : INITIAL CAL.
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:15:48 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:15:39 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
System Monitoring Compounds						
1) S SURR1, TCMX	4.503	4.580	1142.0E6	574.3E6	38.870	39.399
Spiked Amount 100.000	Range 30 - 150		Recovery =		38.87%	39.40%
2) S SURR2,Dec...	11.261	12.298	710.6E6	386.5E6	34.131	31.829
Spiked Amount 100.000	Range 30 - 150		Recovery =		34.13%	31.83%
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
8) L2c PCB 1221	4.896	4.251	82036080	30593590	203.300	199.892
9) L2c PCB 1221{2}	5.070	5.097	53729624	41754415	198.716	210.103
10) L2c PCB 1221{3}	5.133	5.270	193.0E6	28168856	202.251	202.755
11) L2c PCB 1221{4}	5.559	5.345	42992701	84951834	206.142	196.227
12) L2c PCB 1221{5}	6.354	5.418	192.5E6	13470926	195.058	217.546
Sum PCB 1221			564.3E6	198.9E6	1005.467	1026.522
Average PCB 1221					201.093	205.304
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
28) L6c PCB 1254	7.423	7.288	116.7E6	135.7E6	194.067	190.249
29) L6c PCB 1254{2}	7.492	7.701	187.0E6	97533618	197.621	199.771
30) L6c PCB 1254{3}	7.601	7.907	382.6E6	140.8E6	196.700	187.566
31) L6c PCB 1254{4}	7.748	8.501	202.6E6	145.7E6	186.556	184.194
32) L6c PCB 1254{5}	8.652	9.036	90668297	60929034	184.172	196.984
Sum PCB 1254			979.6E6	580.6E6	959.117	958.763
Average PCB 1254					191.823	191.753
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

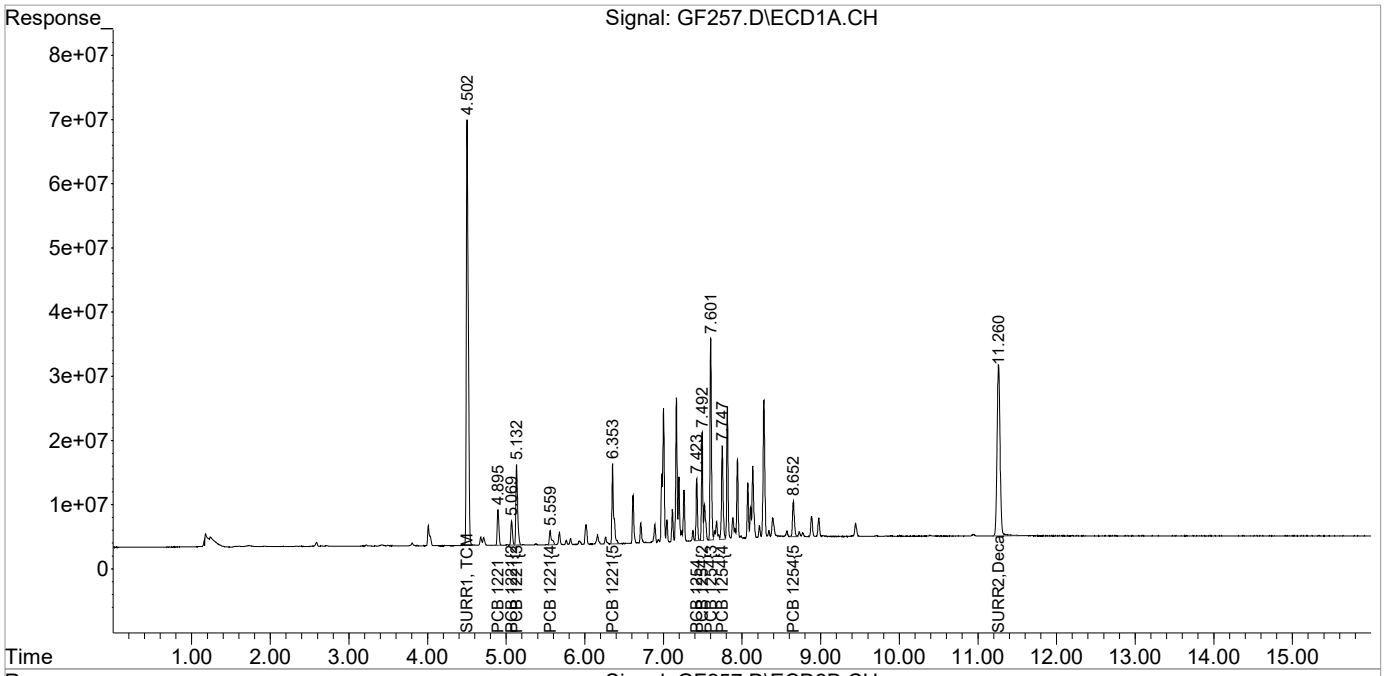
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

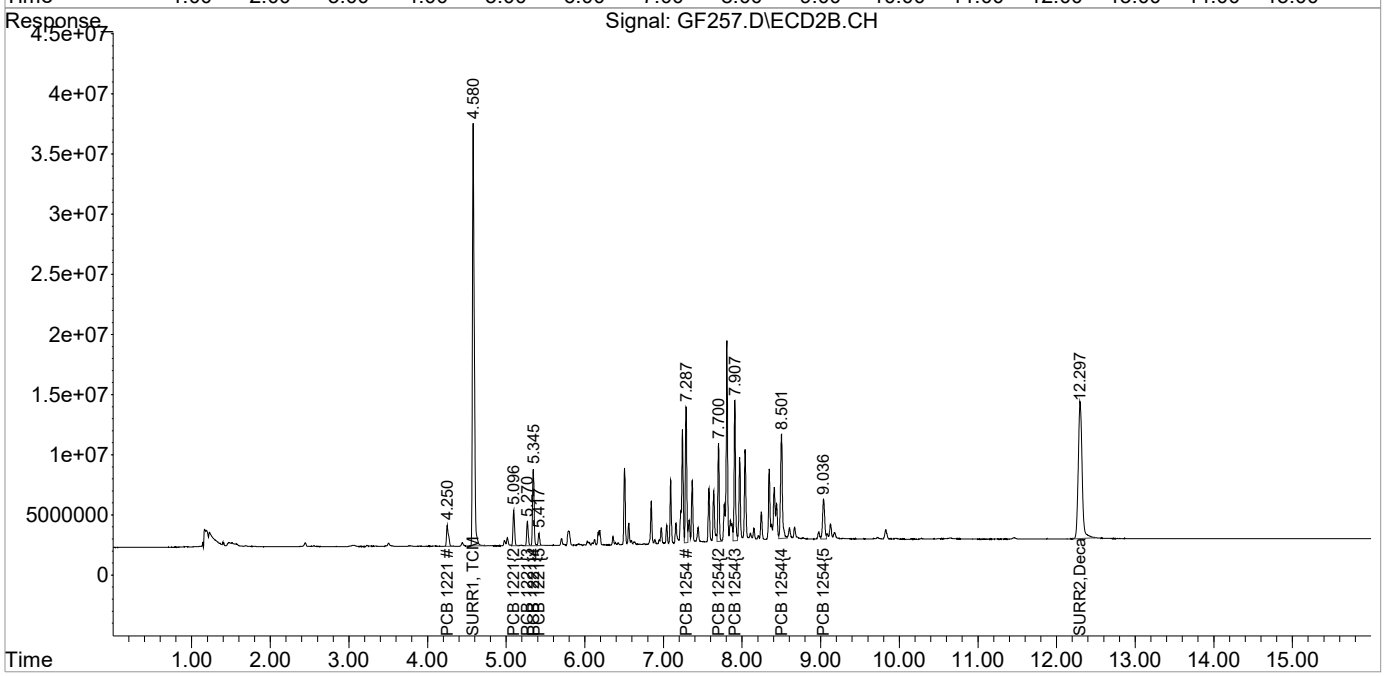
2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF257.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 5:57 pm
Operator :
Sample : 1221/54 ML
Misc : INITIAL CAL.
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:15:48 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:15:39 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m





2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF258.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 6:16 pm
Operator :
Sample : 1221/54 M
Misc : INITIAL CAL.
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:16:28 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:16:20 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
System Monitoring Compounds						
1) S SURR1, TCMX	4.502	4.580	1942.3E6	991.0E6	67.419	68.999
Spiked Amount 100.000	Range 30 - 150		Recovery =		67.42%	69.00%
2) S SURR2,Dec...	11.262	12.298	1223.3E6	681.0E6	60.134	58.240
Spiked Amount 100.000	Range 30 - 150		Recovery =		60.13%	58.24%
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
8) L2c PCB 1221	4.895	4.250	178.9E6	62469128	472.868	437.381
9) L2c PCB 1221{2}	5.069	5.095	116.0E6	89466952	460.425	475.480
10) L2c PCB 1221{3}	5.131	5.269	420.6E6	59432771	470.707	456.548
11) L2c PCB 1221{4}	5.558	5.344	95665691	182.2E6	487.189	453.308
12) L2c PCB 1221{5}	6.353	5.417	423.4E6	28833090	462.897	486.694
Sum PCB 1221			1234.6E6	422.4E6	2354.086	2309.410
Average PCB 1221					470.817	461.882
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
28) L6c PCB 1254	7.424	7.288	266.6E6	303.3E6	479.061	462.175
29) L6c PCB 1254{2}	7.491	7.701	428.9E6	224.9E6	487.281	493.799
30) L6c PCB 1254{3}	7.602	7.908	879.8E6	322.9E6	486.861	469.296
31) L6c PCB 1254{4}	7.748	8.501	462.3E6	343.0E6	465.053	475.183
32) L6c PCB 1254{5}	8.652	9.037	219.2E6	140.1E6	488.068	487.361
Sum PCB 1254			2256.7E6	1334.2E6	2406.325	2387.814
Average PCB 1254					481.265	477.563
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

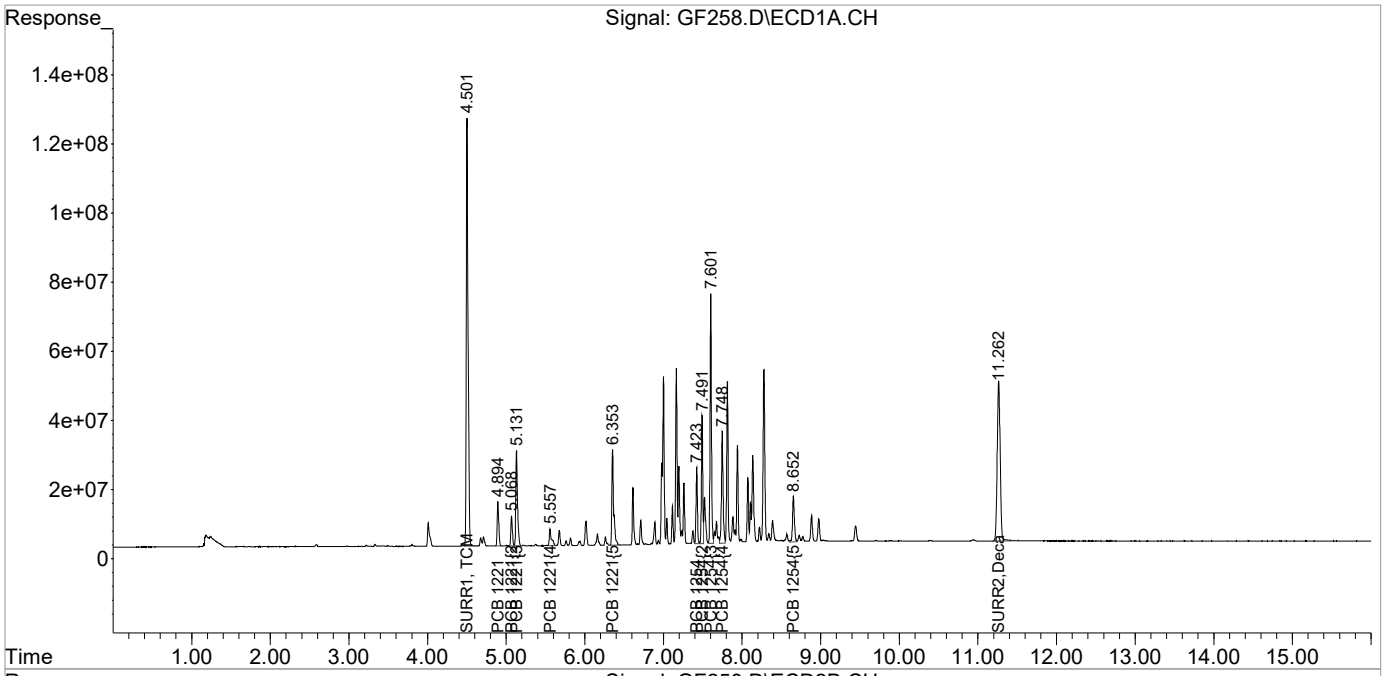
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

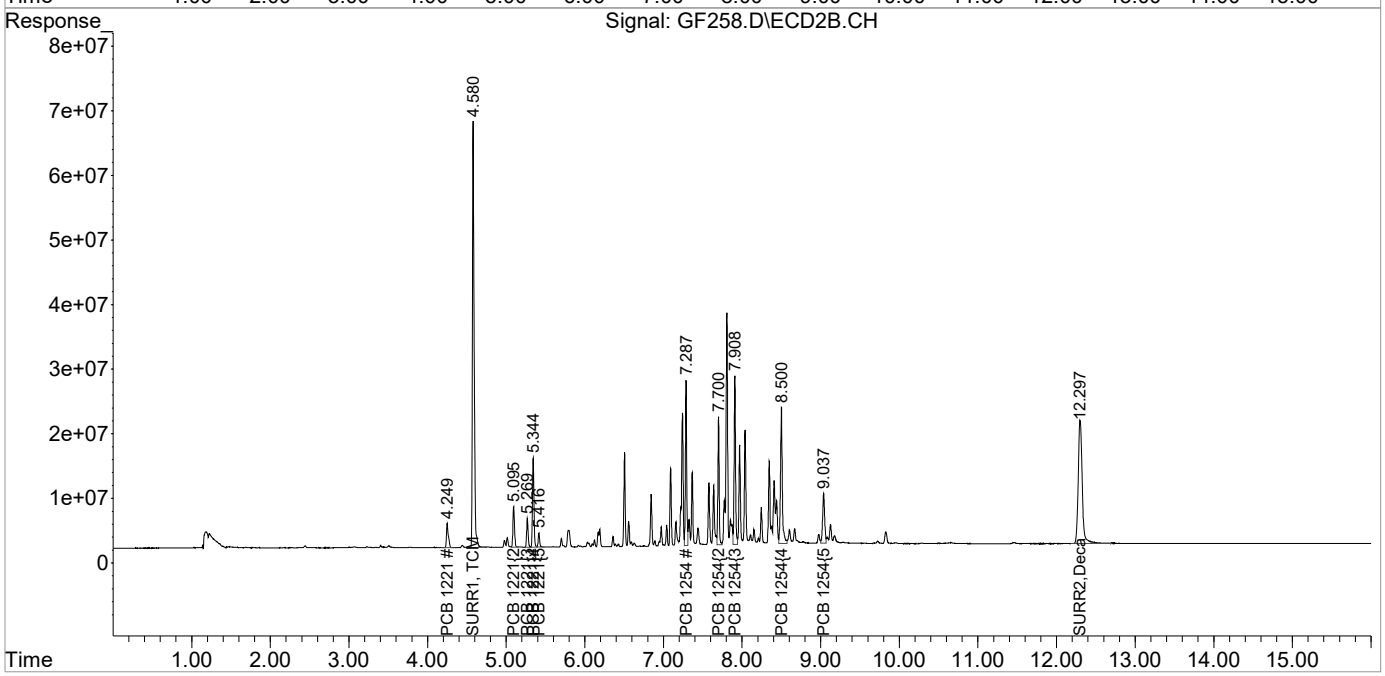
2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF258.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 6:16 pm
Operator :
Sample : 1221/54 M
Misc : INITIAL CAL.
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:16:28 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:16:20 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m





2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF259.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 6:36 pm
Operator :
Sample : 1221/54 MH
Misc : INITIAL CAL.
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:17:12 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:17:02 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
System Monitoring Compounds						
1) S SURR1, TCMX	4.502	4.581	2577.5E6	1327.8E6	87.871	90.165
Spiked Amount 100.000	Range 30 - 150		Recovery =		87.87%	90.17%
2) S SURR2,Dec...	11.261	12.301	1713.7E6	950.6E6	82.811	80.803
Spiked Amount 100.000	Range 30 - 150		Recovery =		82.81%	80.80%
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
8) L2c PCB 1221	4.895	4.250	265.1E6	89738794	710.177	648.619
9) L2c PCB 1221{2}	5.070	5.096	169.3E6	131.1E6	685.580	705.454
10) L2c PCB 1221{3}	5.133	5.270	620.7E6	86617151	704.971	680.148
11) L2c PCB 1221{4}	5.559	5.345	141.1E6	265.4E6	723.056	676.151
12) L2c PCB 1221{5}	6.353	5.417	630.3E6	42740371	702.154	726.277
Sum PCB 1221			1826.5E6	615.6E6	3525.939	3436.648
Average PCB 1221					705.188	687.330
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
28) L6c PCB 1254	7.424	7.288	399.1E6	454.8E6	724.765	706.426
29) L6c PCB 1254{2}	7.492	7.701	649.5E6	342.3E6	742.693	753.679
30) L6c PCB 1254{3}	7.602	7.908	1336.9E6	494.7E6	744.721	730.267
31) L6c PCB 1254{4}	7.749	8.501	693.7E6	531.8E6	710.251	745.988
32) L6c PCB 1254{5}	8.653	9.037	324.3E6	217.8E6	726.360	762.590
Sum PCB 1254			3403.5E6	2041.4E6	3648.790	3698.950
Average PCB 1254					729.758	739.790
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

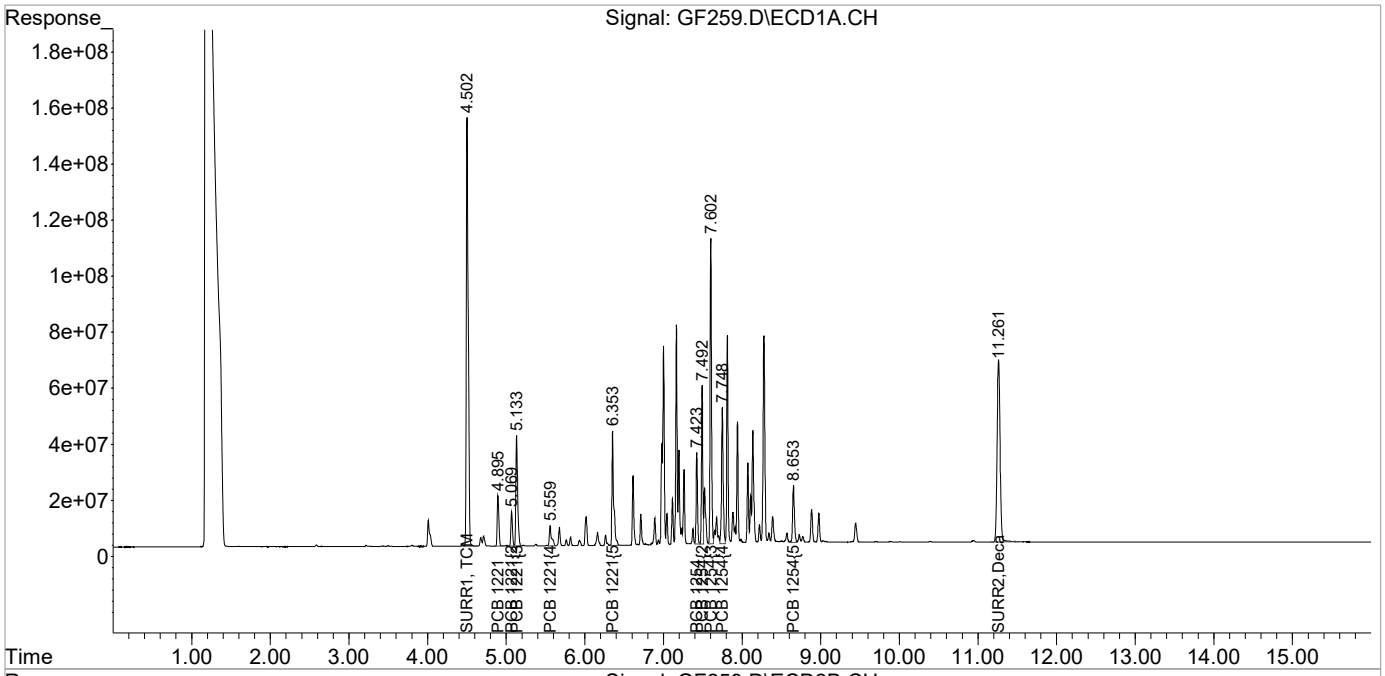
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

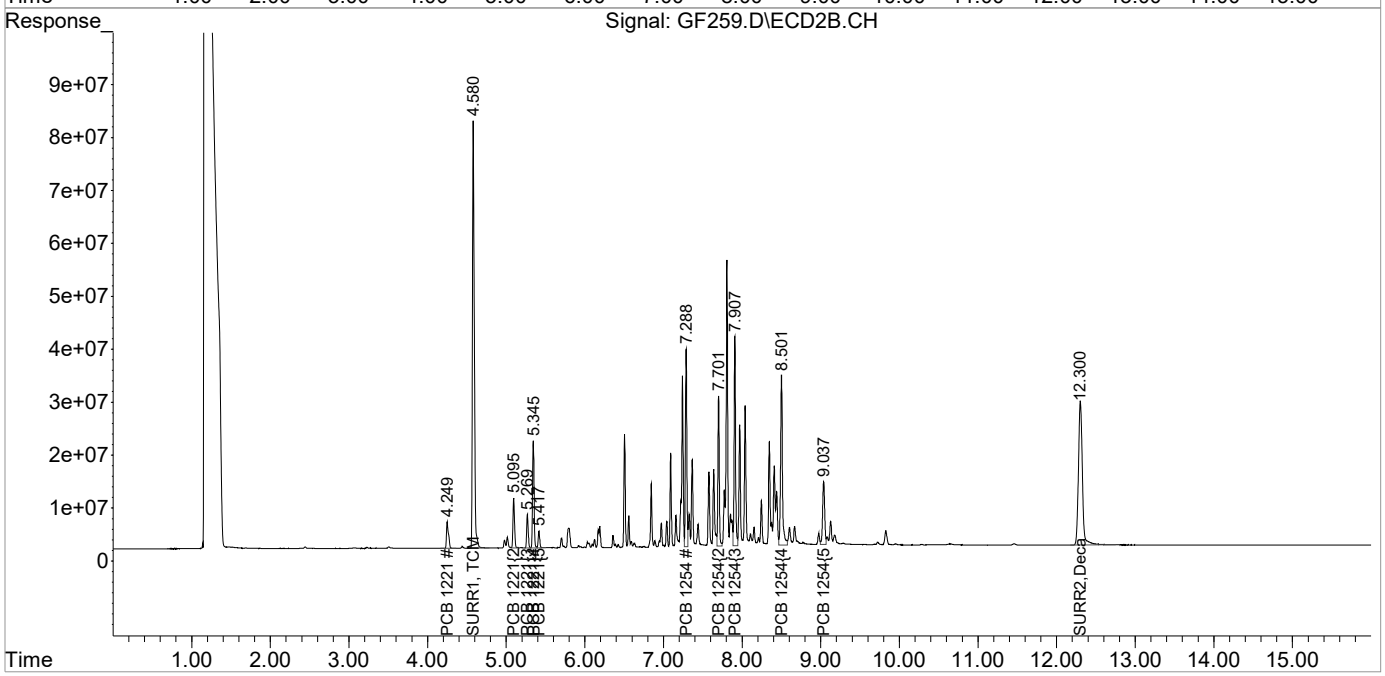
2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF259.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 6:36 pm
Operator :
Sample : 1221/54 MH
Misc : INITIAL CAL.
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:17:12 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:17:02 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m





2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF260.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 6:56 pm
Operator :
Sample : 1221/54 H
Misc : INITIAL CAL.
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:17:59 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:17:48 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
System Monitoring Compounds						
1) S SURR1, TCMX	4.502	4.580	3368.0E6	1745.8E6	115.310	117.866
Spiked Amount 100.000	Range 30 - 150		Recovery =		115.31%	117.87%
2) S SURR2,Dec...	11.261	12.296	2306.8E6	1280.8E6	110.576	108.037
Spiked Amount 100.000	Range 30 - 150		Recovery =		110.58%	108.04%
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
8) L2c PCB 1221	4.894	4.249	371.1E6	121.9E6	1004.855	905.479
9) L2c PCB 1221{2}	5.068	5.095	235.1E6	183.4E6	968.708	998.525
10) L2c PCB 1221{3}	5.132	5.270	862.3E6	119.7E6	991.198	957.526
11) L2c PCB 1221{4}	5.558	5.344	196.0E6	368.3E6	1012.009	957.237
12) L2c PCB 1221{5}	6.352	5.416	884.0E6	59013234	997.421	1009.182
Sum PCB 1221			2548.5E6	852.3E6	4974.191	4827.948
Average PCB 1221					994.838	965.590
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
28) L6c PCB 1254	7.424	7.288	567.6E6	639.4E6	1037.892	1004.734
29) L6c PCB 1254{2}	7.492	7.701	925.3E6	483.9E6	1060.108	1064.513
30) L6c PCB 1254{3}	7.602	7.908	1906.4E6	702.0E6	1063.463	1041.862
31) L6c PCB 1254{4}	7.749	8.501	984.5E6	751.9E6	1018.787	1055.897
32) L6c PCB 1254{5}	8.653	9.037	476.9E6	314.5E6	1075.140	1097.390
Sum PCB 1254			4860.8E6	2891.7E6	5255.388	5264.396
Average PCB 1254					1051.078	1052.879
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

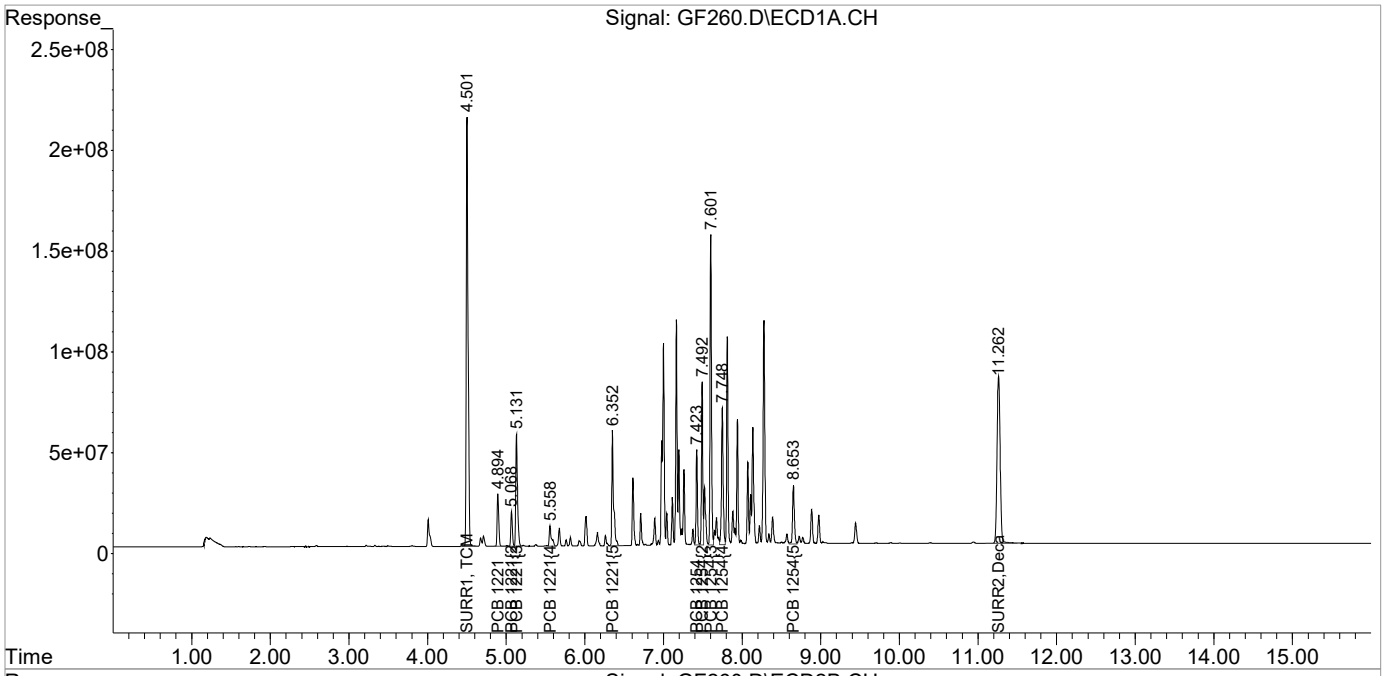
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

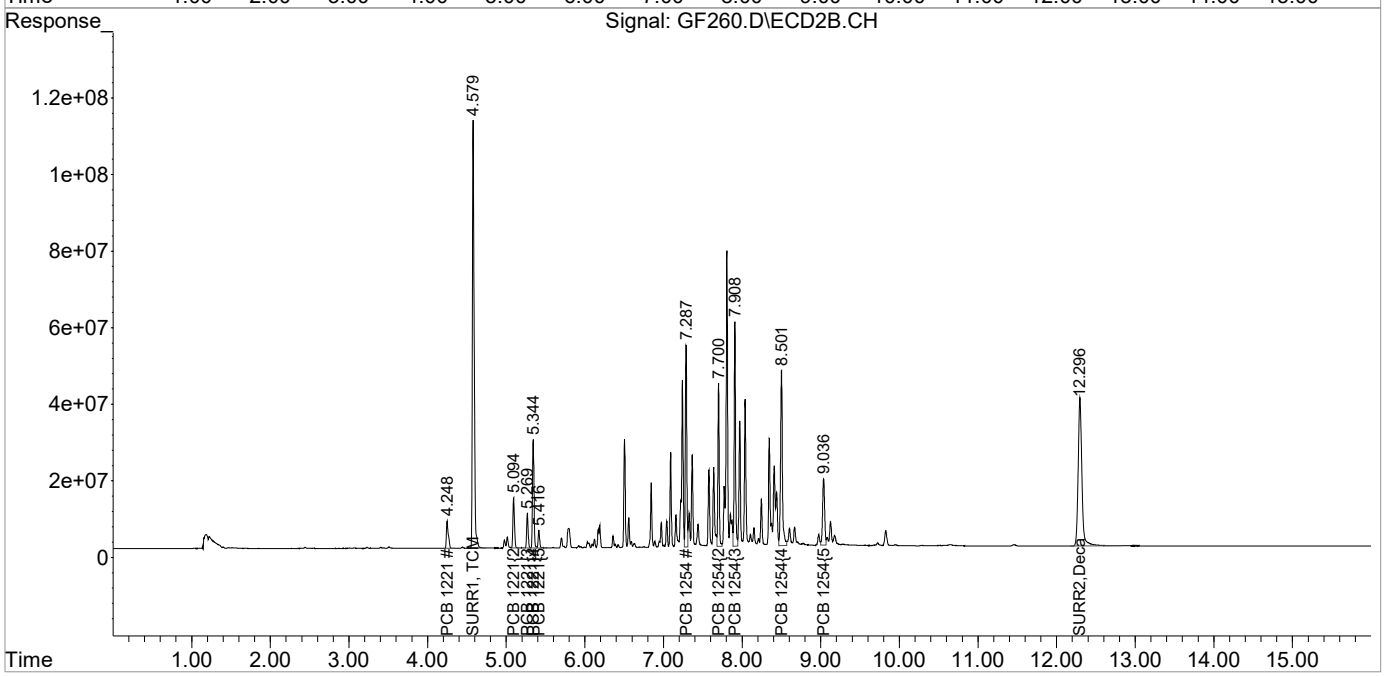
2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF260.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 6:56 pm
Operator :
Sample : 1221/54 H
Misc : INITIAL CAL.
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:17:59 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:17:48 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m





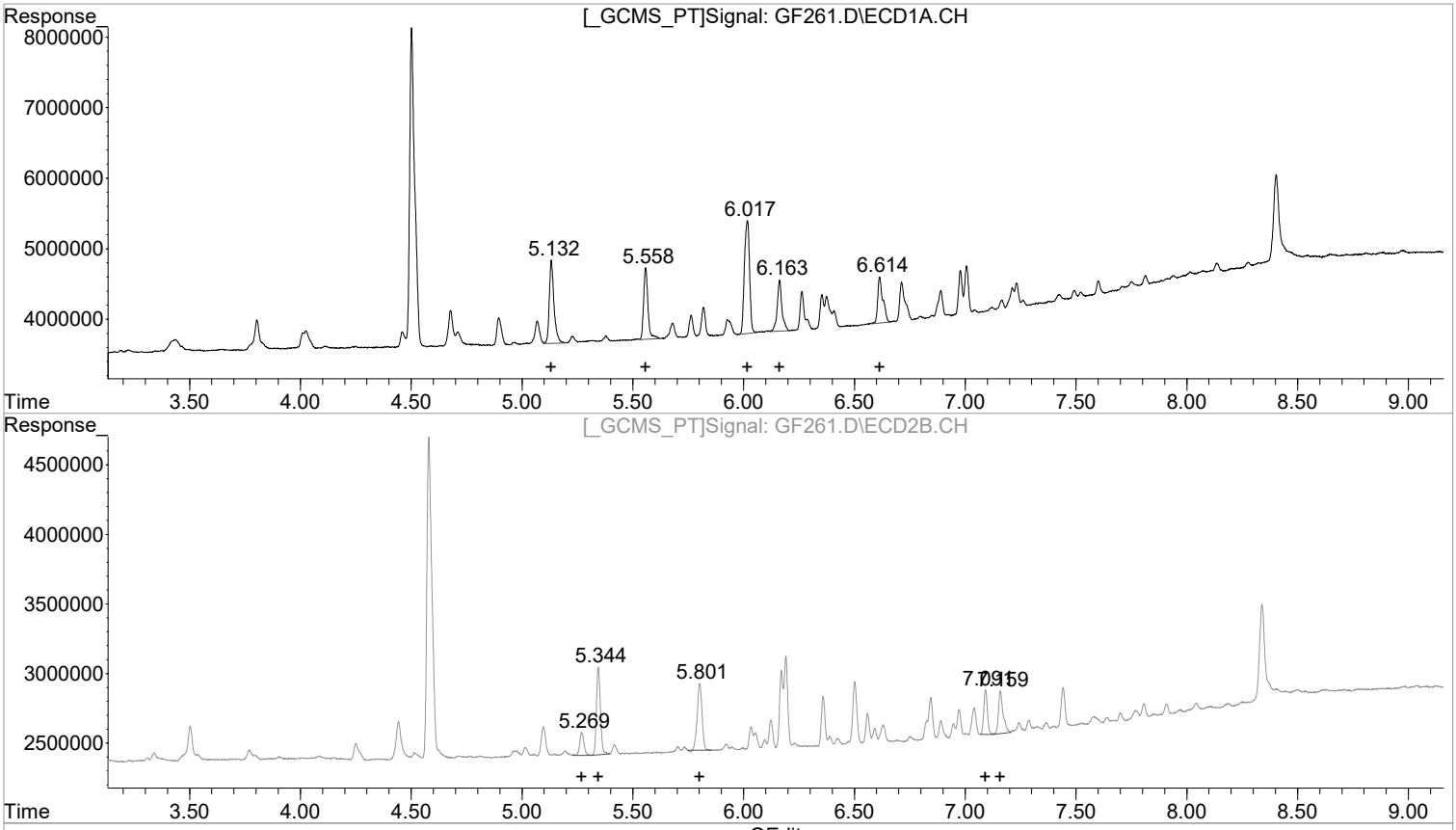
Quantitation Report (Qedit)

2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF261.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 7:15 pm
Operator :
Sample : 1232 LL
Misc : INITIAL CAL.
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:26:03 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:25:42 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(13) PCB 1232 (L3c)

R.T.	Response	Conc
5.13	17297024	24.96
5.56	13779577	23.73
6.02	25872654	23.59
6.16	10671748	23.39
6.61	10571590	24.42

(13) PCB 1232 #2 (L3c)

R.T.	Response	Conc
5.27	2157258	24.09
5.34	7830424	24.83
5.80	7279574	23.52
7.09	3821266	24.74
7.16	4471188	23.52

Manual Integration:

After

Poor integration.

06/06/19

(+) = Expected Retention Time

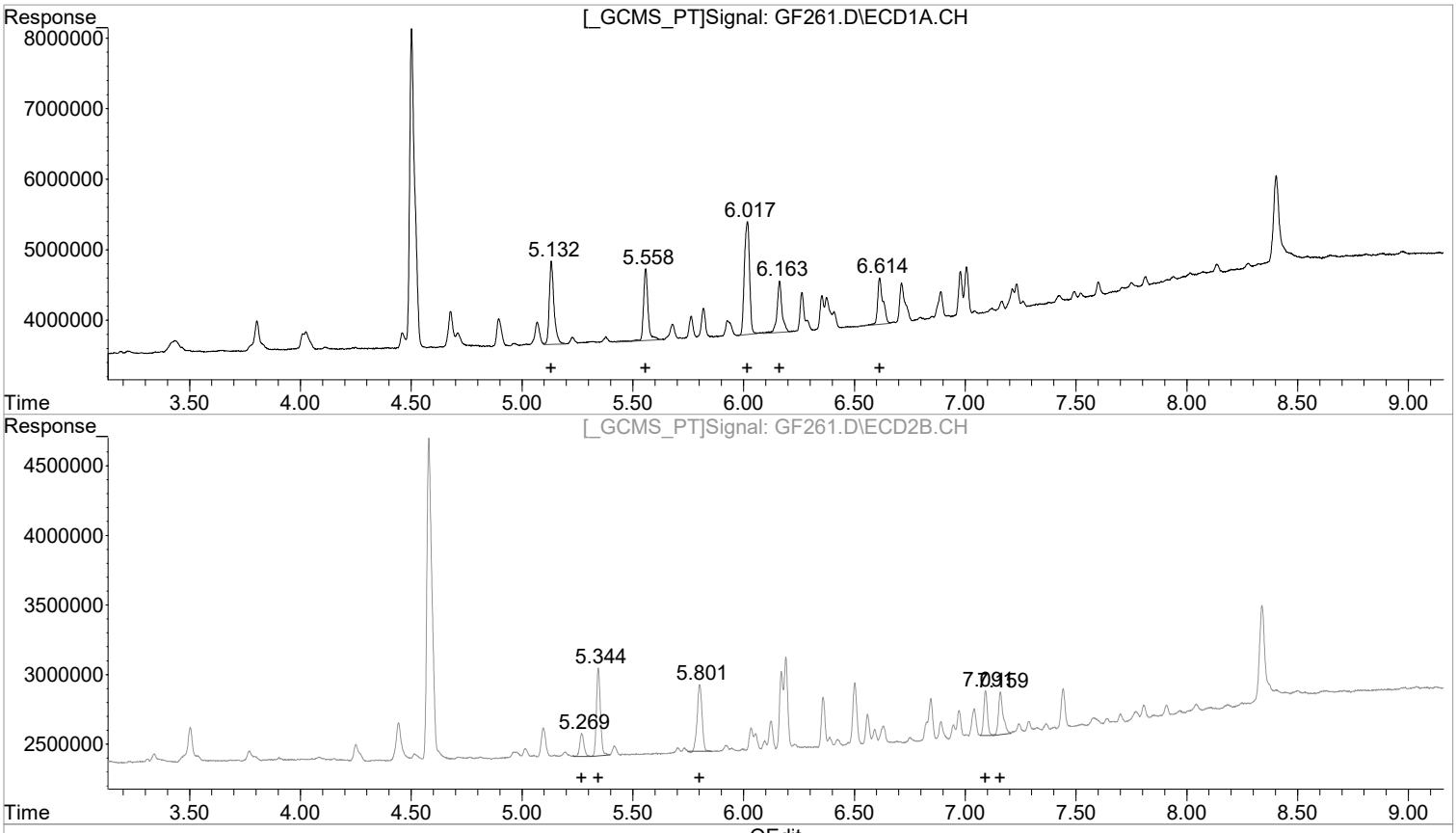
Quantitation Report (Qedit)

2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF261.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 7:15 pm
Operator :
Sample : 1232 LL
Misc : INITIAL CAL.
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:26:03 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:25:42 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(13) PCB 1232 (L3c)

R.T.	Response	Conc
5.13	17297024	24.96
5.56	14250923	24.54
6.02	25872654	23.59
6.16	11013786	24.14
6.61	10967781	25.34

(13) PCB 1232 #2 (L3c)

R.T.	Response	Conc
5.27	2157258	24.09
5.34	7830424	24.83
5.80	7279574	23.52
7.09	3821266	24.74
7.16	4471188	23.52

Manual Integration:

Before

06/06/19

(+) = Expected Retention Time

2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF261.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 7:15 pm
Operator :
Sample : 1232 LL
Misc : INITIAL CAL.
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:26:03 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:25:42 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
System Monitoring Compounds						
1) S SURR1, TCMX	4.502	4.580	72082415	37799974	2.190	2.266
Spiked Amount 100.000	Range 30 - 150		Recovery =		2.19%#	2.27%#
2) S SURR2,Dec...	11.259	12.298	67154242	38827052	2.874	2.870
Spiked Amount 100.000	Range 30 - 150		Recovery =		2.87%#	2.87%#
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
13) L3c PCB 1232	5.132	5.269	17297024	2157258	24.960	24.089
14) L3c PCB 1232{2}	5.558	5.344	13779577	7830424	23.726m	24.828
15) L3c PCB 1232{3}	6.017	5.802	25872654	7279574	23.593	23.523
16) L3c PCB 1232{4}	6.163	7.092	10671748	3821266	23.391m	24.735
17) L3c PCB 1232{5}	6.614	7.159	10571590	4471188	24.422m	23.521
Sum PCB 1232			78192593	25559710	120.092	120.697
Average PCB 1232					24.018	24.139
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

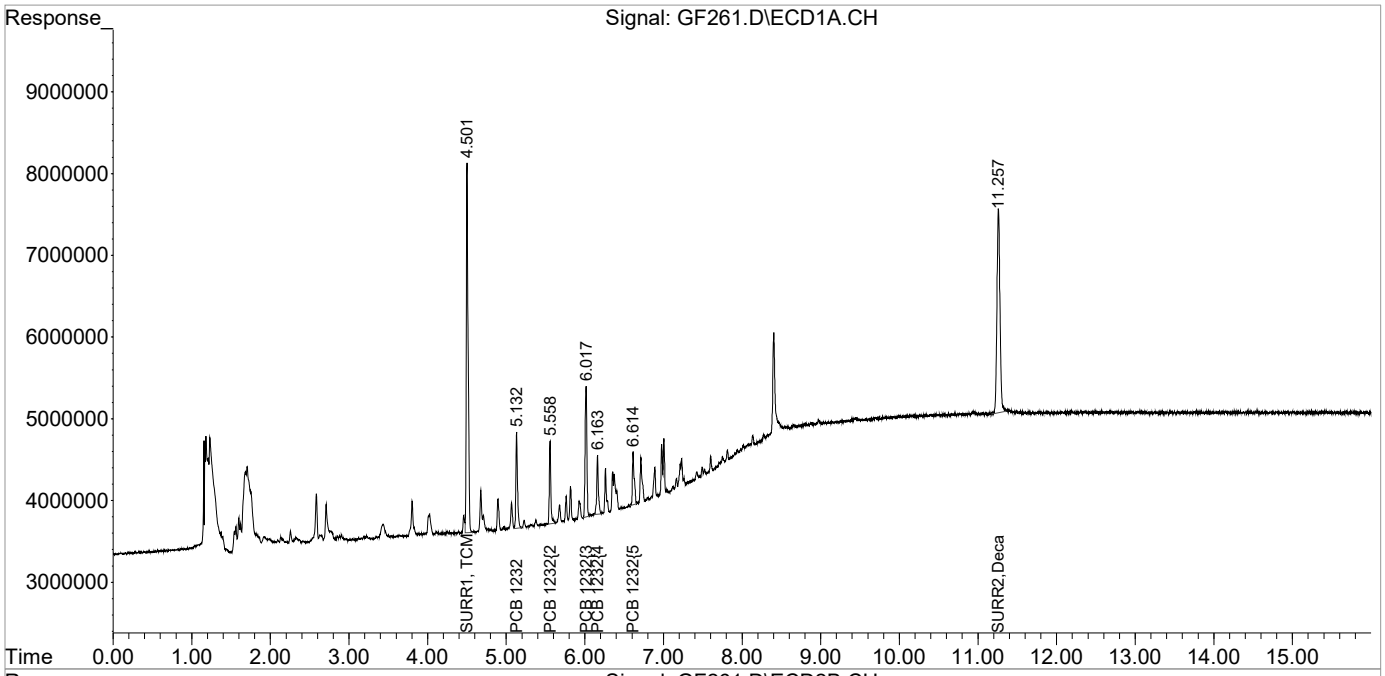
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

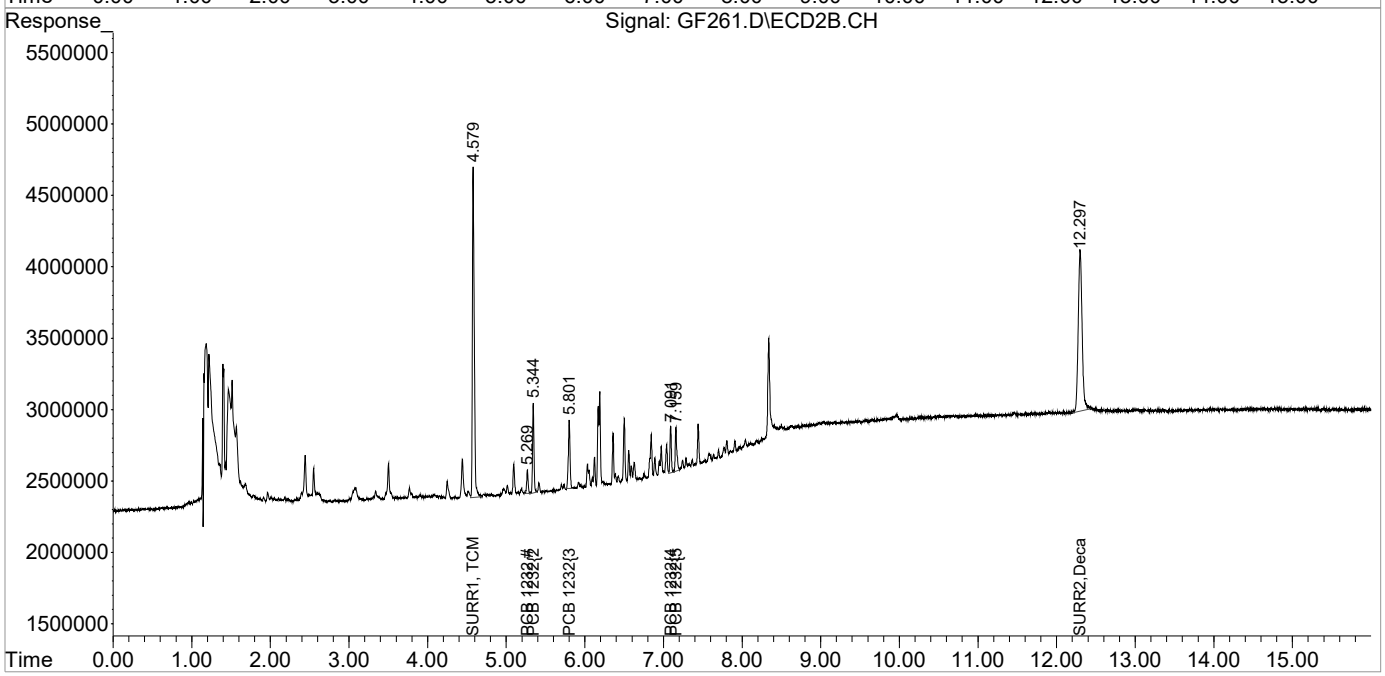
2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF261.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 7:15 pm
Operator :
Sample : 1232 LL
Misc : INITIAL CAL.
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:26:03 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:25:42 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m





2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF262.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 7:35 pm
Operator :
Sample : 1232 L
Misc : INITIAL CAL.
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:21:56 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:21:50 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
System Monitoring Compounds						
1) S SURR1, TCMX	4.502	4.579	738.4E6	367.3E6	24.703	23.868
Spiked Amount 100.000	Range 30 - 150		Recovery =		24.70%#	23.87%#
2) S SURR2,Dec...	11.262	12.298	493.6E6	277.9E6	22.863	22.622
Spiked Amount 100.000	Range 30 - 150		Recovery =		22.86%#	22.62%#
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
13) L3c PCB 1232	5.132	5.270	80116658	10719151	92.636	99.378
14) L3c PCB 1232{2}	5.558	5.344	66850911	38287987	93.820	97.793
15) L3c PCB 1232{3}	6.017	5.801	125.7E6	36636347	97.162	100.655
16) L3c PCB 1232{4}	6.162	7.092	53689667	17491710	97.495	91.549
17) L3c PCB 1232{5}	6.614	7.159	49811788	21386510	90.833	95.664
Sum PCB 1232			376.2E6	124.5E6	471.946	485.039
Average PCB 1232					94.389	97.008
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

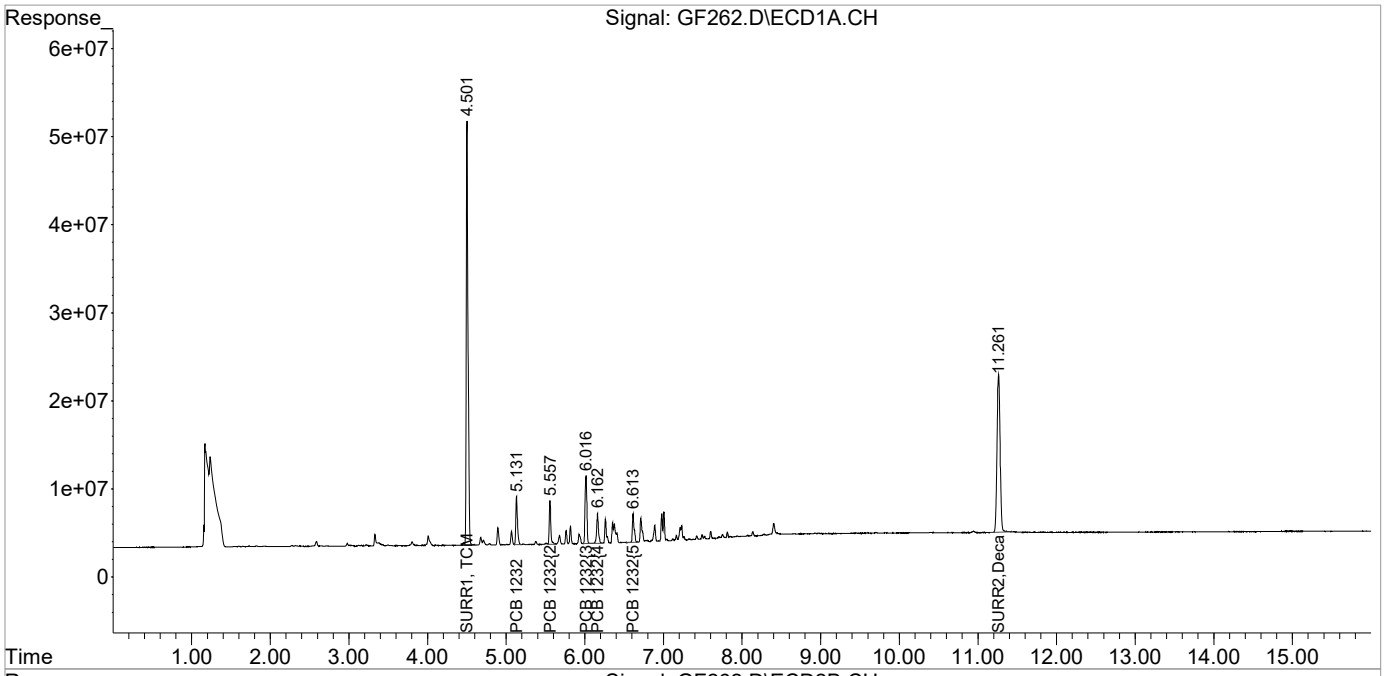
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

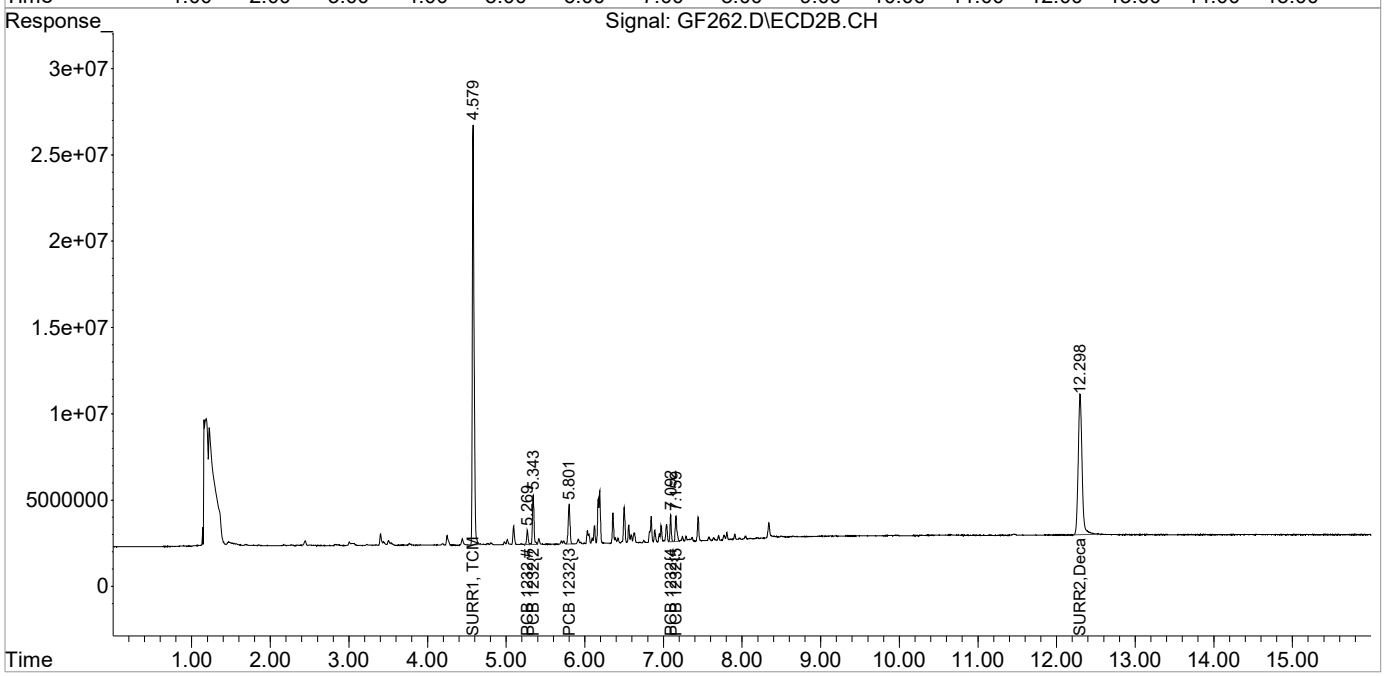
2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF262.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 7:35 pm
Operator :
Sample : 1232 L
Misc : INITIAL CAL.
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:21:56 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:21:50 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m





2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF263.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 7:55 pm
Operator :
Sample : 1232 ML
Misc : INITIAL CAL.
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:22:35 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:22:26 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
System Monitoring Compounds						
1) S SURR1, TCMX	4.502	4.579	1330.0E6	662.8E6	39.973	38.912
Spiked Amount 100.000	Range 30 - 150	Recovery =			39.97%	38.91%
2) S SURR2,Dec...	11.262	12.301	883.4E6	489.4E6	37.206	36.281
Spiked Amount 100.000	Range 30 - 150	Recovery =			37.21%	36.28%
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
13) L3c PCB 1232	5.132	5.269	172.5E6	23024787	207.057	214.130
14) L3c PCB 1232{2}	5.557	5.343	144.8E6	79139832	209.675	204.390
15) L3c PCB 1232{3}	6.016	5.801	276.4E6	78678146	216.709	215.456
16) L3c PCB 1232{4}	6.161	7.091	114.3E6	39209206	210.182	214.269
17) L3c PCB 1232{5}	6.613	7.158	107.1E6	49171411	204.680	224.822
Sum PCB 1232			815.0E6	269.2E6	1048.303	1073.067
Average PCB 1232					209.661	214.613
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

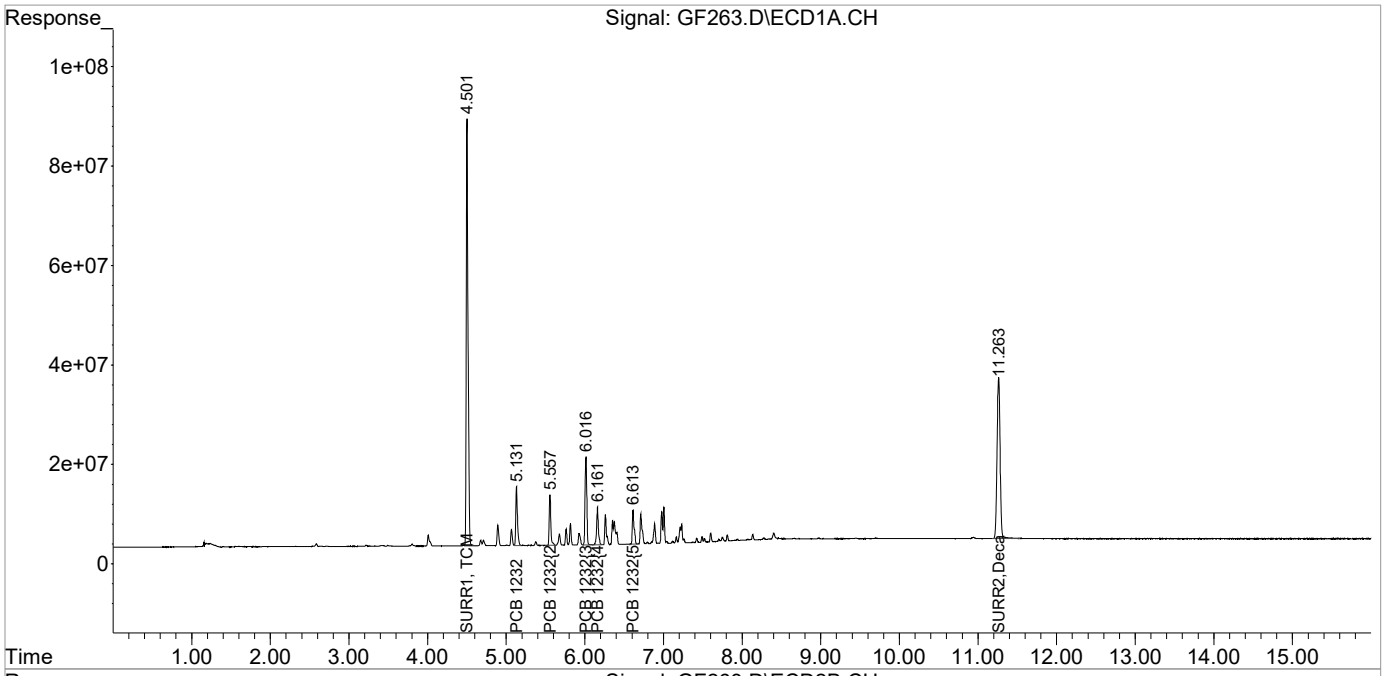
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

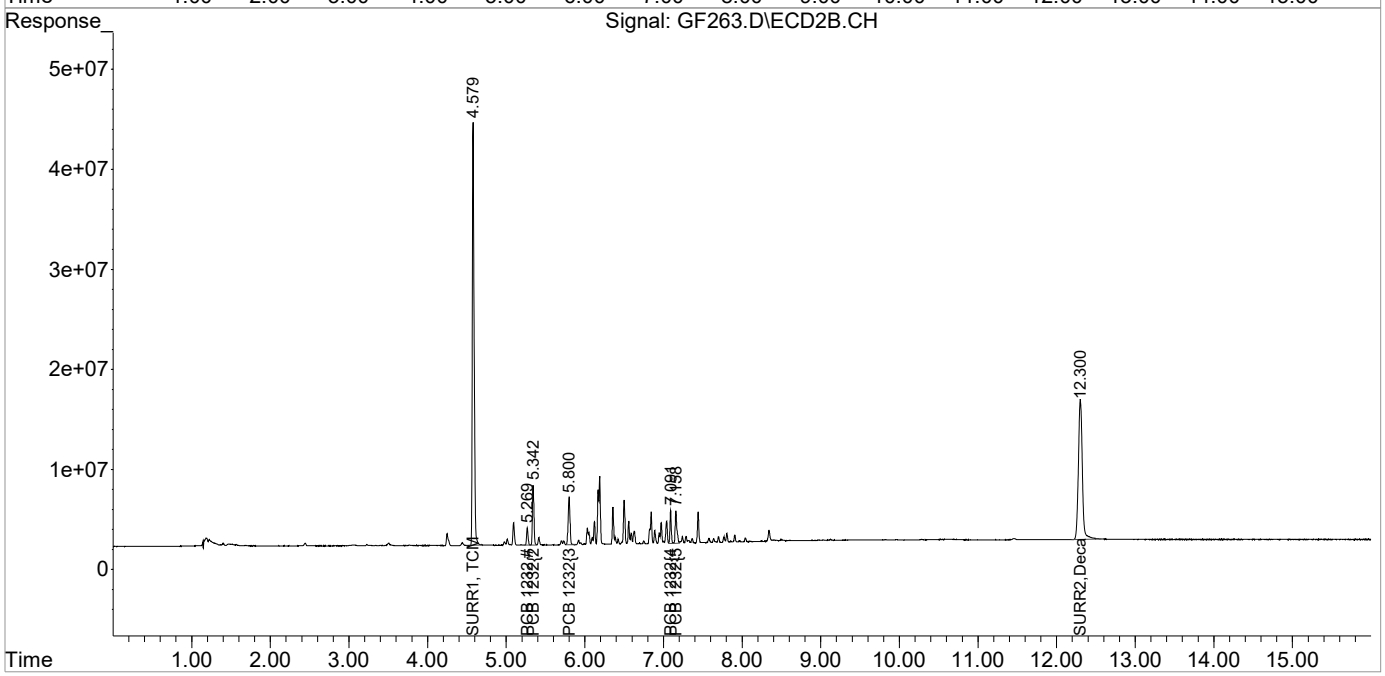
2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF263.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 7:55 pm
Operator :
Sample : 1232 ML
Misc : INITIAL CAL.
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:22:35 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:22:26 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m





2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF264.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 8:15 pm
Operator :
Sample : 1232 M
Misc : INITIAL CAL.
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:23:09 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:23:00 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
System Monitoring Compounds						
1) S SURR1, TCMX	4.502	4.580	1800.3E6	904.7E6	52.862	51.991
Spiked Amount 100.000	Range 30 - 150		Recovery =		52.86%	51.99%
2) S SURR2,Dec...	11.261	12.300	1114.2E6	643.6E6	45.548	46.244
Spiked Amount 100.000	Range 30 - 150		Recovery =		45.55%	46.24%
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
13) L3c PCB 1232	5.132	5.270	299.2E6	38426702	380.993	375.318
14) L3c PCB 1232{2}	5.557	5.344	252.9E6	133.8E6	386.987	367.835
15) L3c PCB 1232{3}	6.017	5.802	478.5E6	135.6E6	392.618	389.225
16) L3c PCB 1232{4}	6.162	7.092	197.4E6	66803918	383.273	383.330
17) L3c PCB 1232{5}	6.614	7.159	185.3E6	83454164	376.861	394.825
Sum PCB 1232			1413.2E6	458.0E6	1920.733	1910.533
Average PCB 1232					384.147	382.107
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

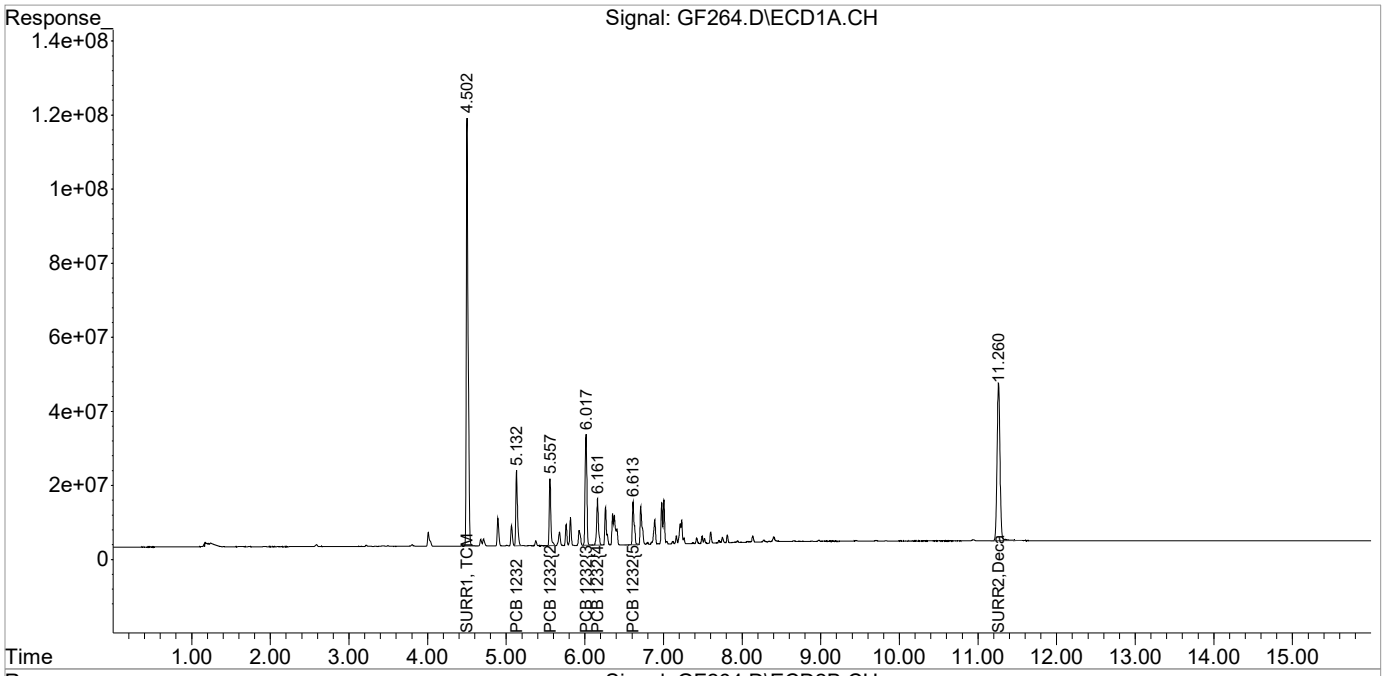
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

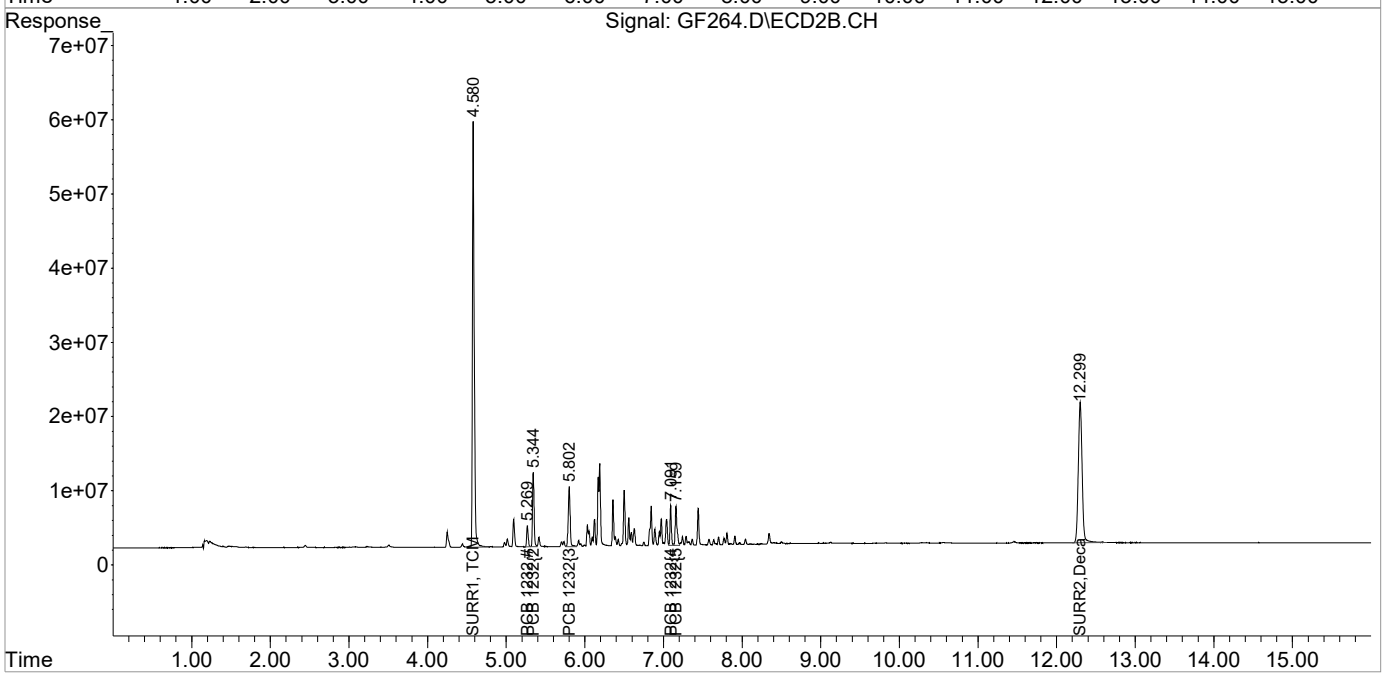
2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF264.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 8:15 pm
Operator :
Sample : 1232 M
Misc : INITIAL CAL.
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:23:09 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:23:00 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m





2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF265.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 8:34 pm
Operator :
Sample : 1232 MH
Misc : INITIAL CAL.
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:23:47 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:23:37 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
System Monitoring Compounds						
1) S SURR1, TCMX	4.502	4.580	2421.0E6	1223.9E6	71.923	71.316
Spiked Amount 100.000	Range 30 - 150	Recovery =			71.92%	71.32%
2) S SURR2,Dec...	11.261	12.298	1568.9E6	905.7E6	64.940	65.572
Spiked Amount 100.000	Range 30 - 150	Recovery =			64.94%	65.57%
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
13) L3c PCB 1232	5.132	5.270	445.7E6	57141285	603.420	595.211
14) L3c PCB 1232{2}	5.558	5.344	376.5E6	198.4E6	610.699	584.087
15) L3c PCB 1232{3}	6.016	5.802	727.0E6	200.7E6	630.426	609.890
16) L3c PCB 1232{4}	6.161	7.092	294.9E6	100.5E6	608.115	612.420
17) L3c PCB 1232{5}	6.613	7.159	278.0E6	126.1E6	602.575	629.500
Sum PCB 1232			2122.1E6	682.8E6	3055.235	3031.107
Average PCB 1232					611.047	606.221
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

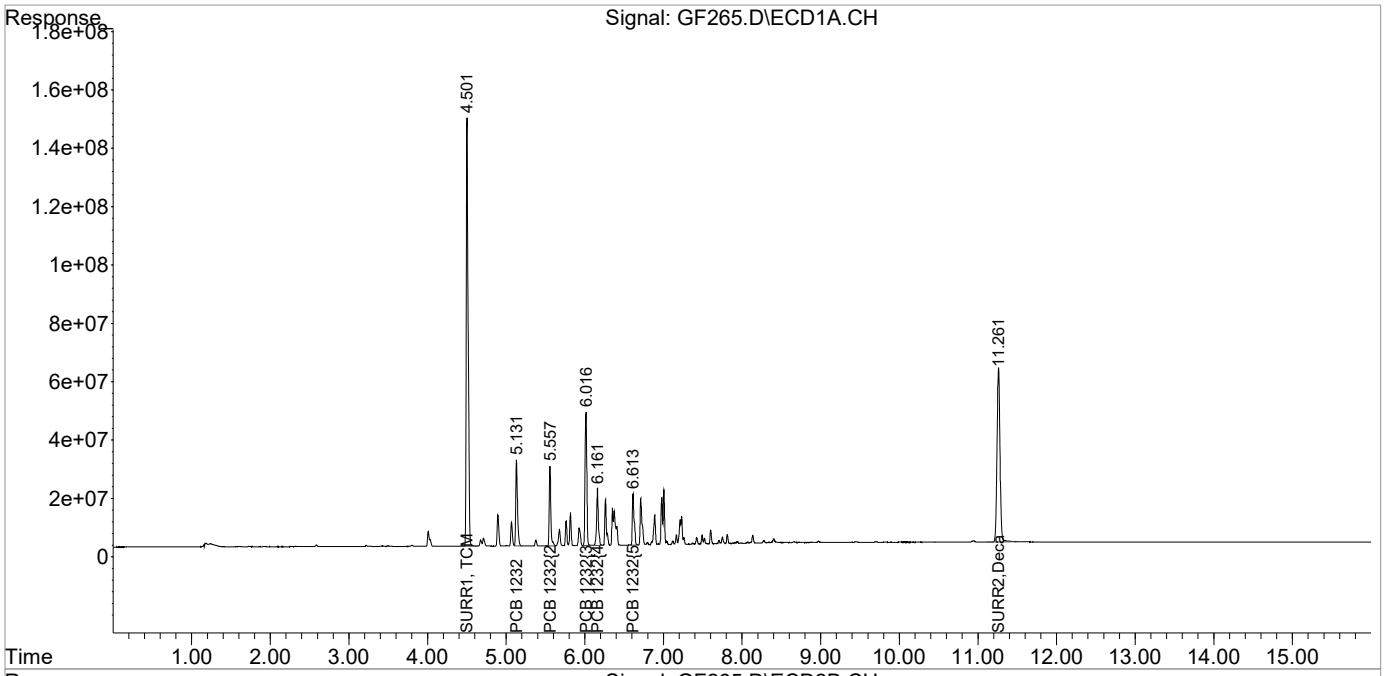
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

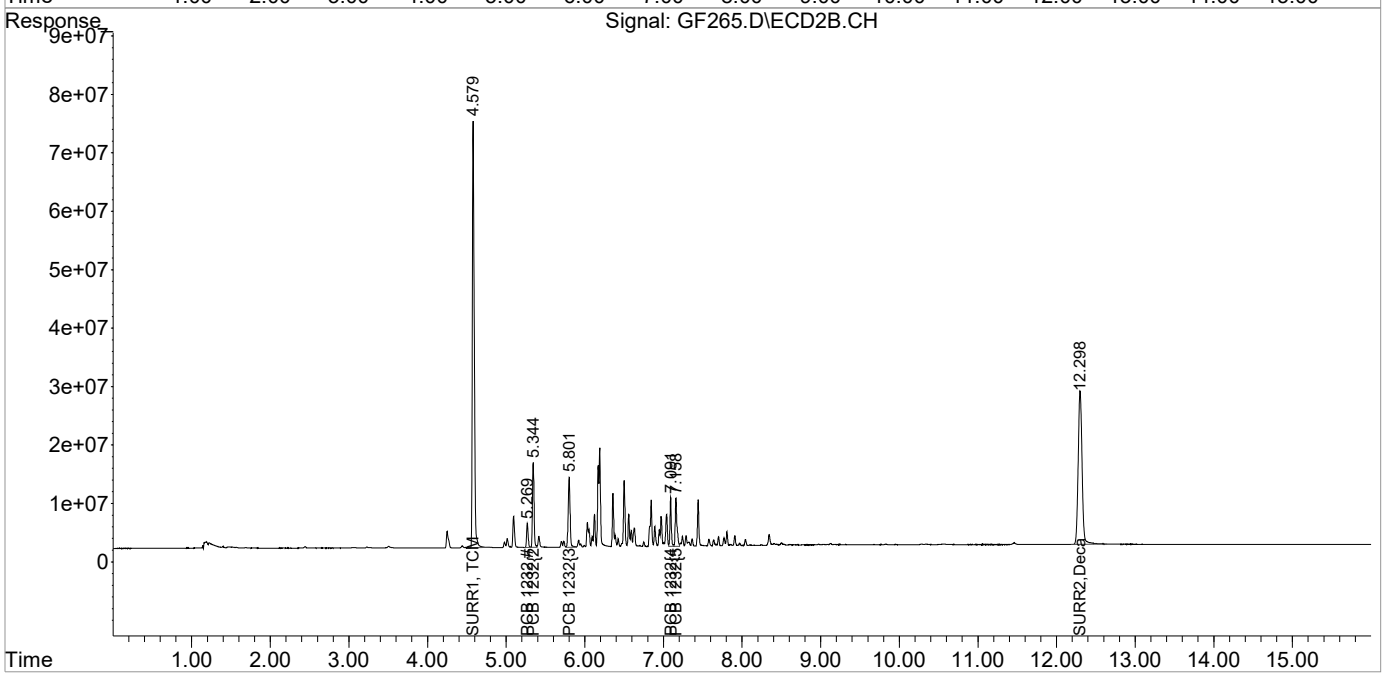
2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF265.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 8:34 pm
Operator :
Sample : 1232 MH
Misc : INITIAL CAL.
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:23:47 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:23:37 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m





2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF266.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 8:54 pm
Operator :
Sample : 1232 H
Misc : INITIAL CAL.
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:25:15 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:25:06 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
System Monitoring Compounds						
1) S SURR1, TCMX	4.502	4.580	3116.0E6	1589.3E6	93.474	93.791
Spiked Amount 100.000	Range 30 - 150		Recovery =		93.47%	93.79%
2) S SURR2,Dec...	11.263	12.298	2012.5E6	1166.6E6	84.355	85.031
Spiked Amount 100.000	Range 30 - 150		Recovery =		84.36%	85.03%
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
13) L3c PCB 1232	5.132	5.271	609.4E6	77129157	858.716	838.005
14) L3c PCB 1232{2}	5.558	5.346	516.8E6	269.3E6	870.655	829.652
15) L3c PCB 1232{3}	6.017	5.802	997.4E6	273.0E6	893.350	861.778
16) L3c PCB 1232{4}	6.161	7.092	404.7E6	136.5E6	867.522	863.380
17) L3c PCB 1232{5}	6.614	7.159	381.1E6	171.5E6	859.835	884.715
Sum PCB 1232			2909.5E6	927.4E6	4350.077	4277.529
Average PCB 1232					870.015	855.506
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

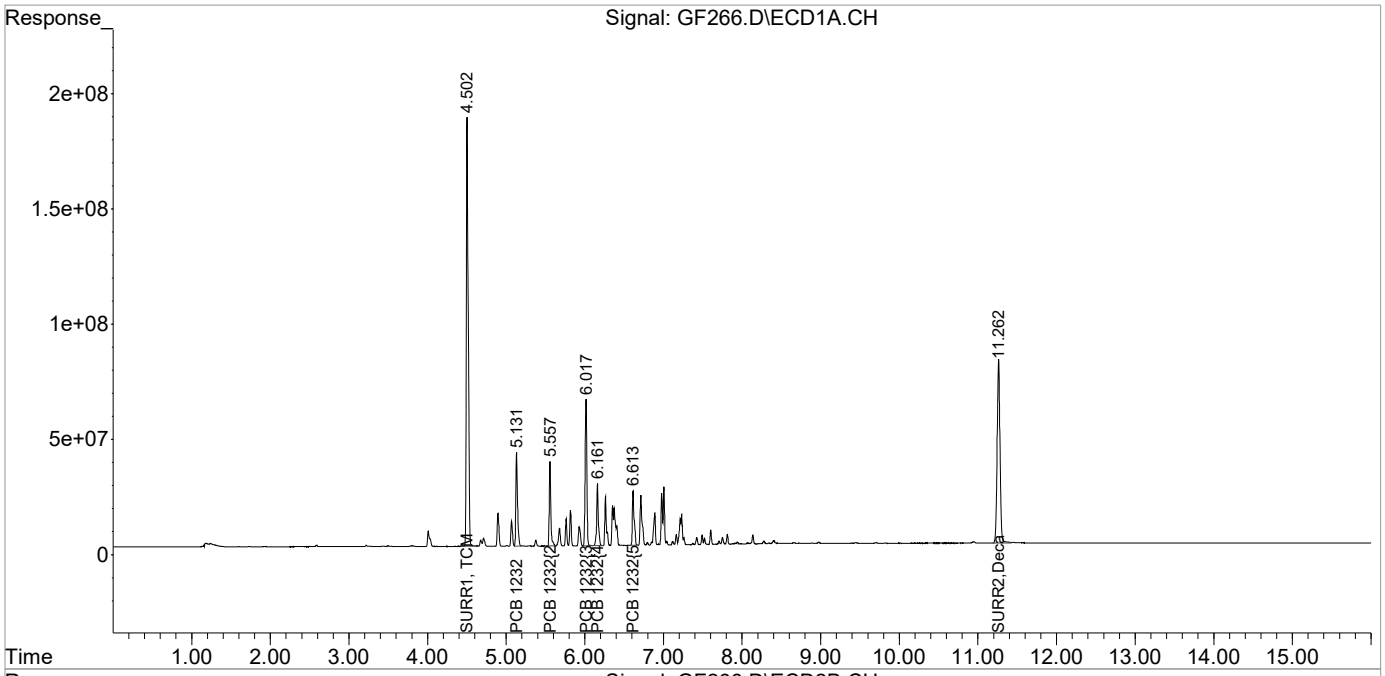
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

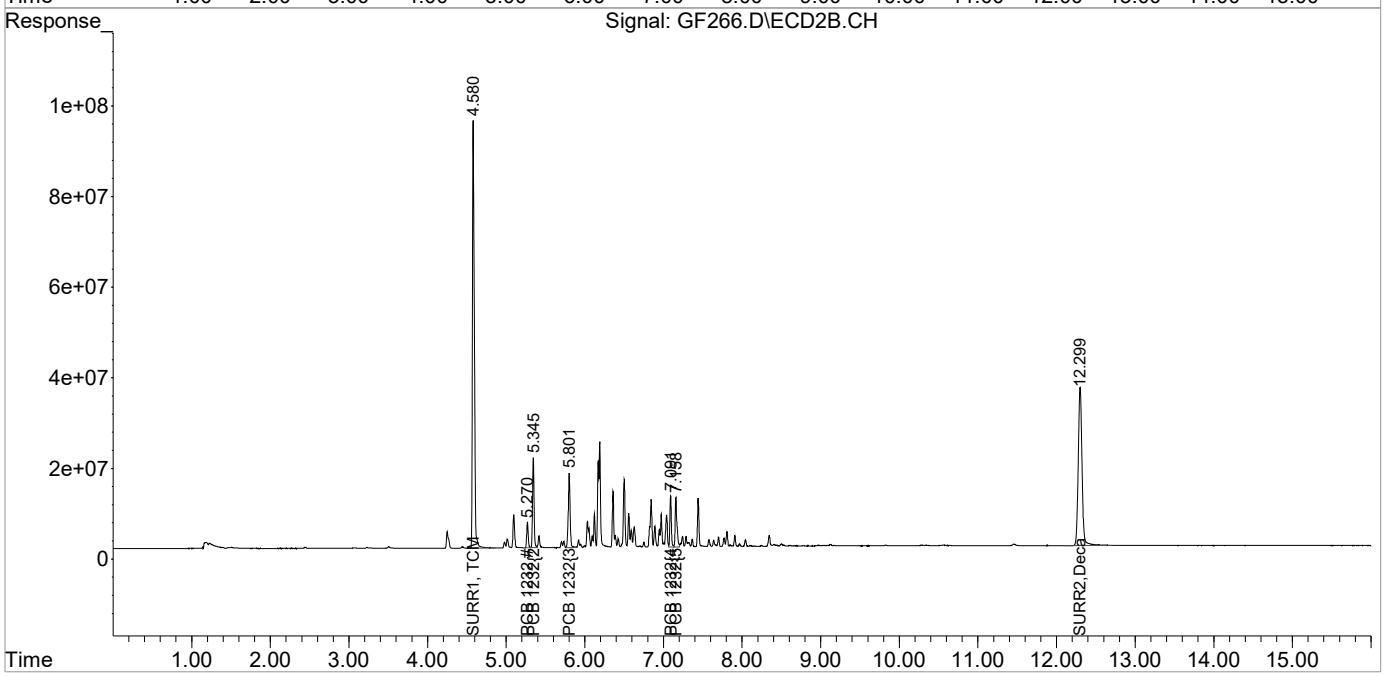
2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF266.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 8:54 pm
Operator :
Sample : 1232 H
Misc : INITIAL CAL.
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:25:15 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:25:06 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m





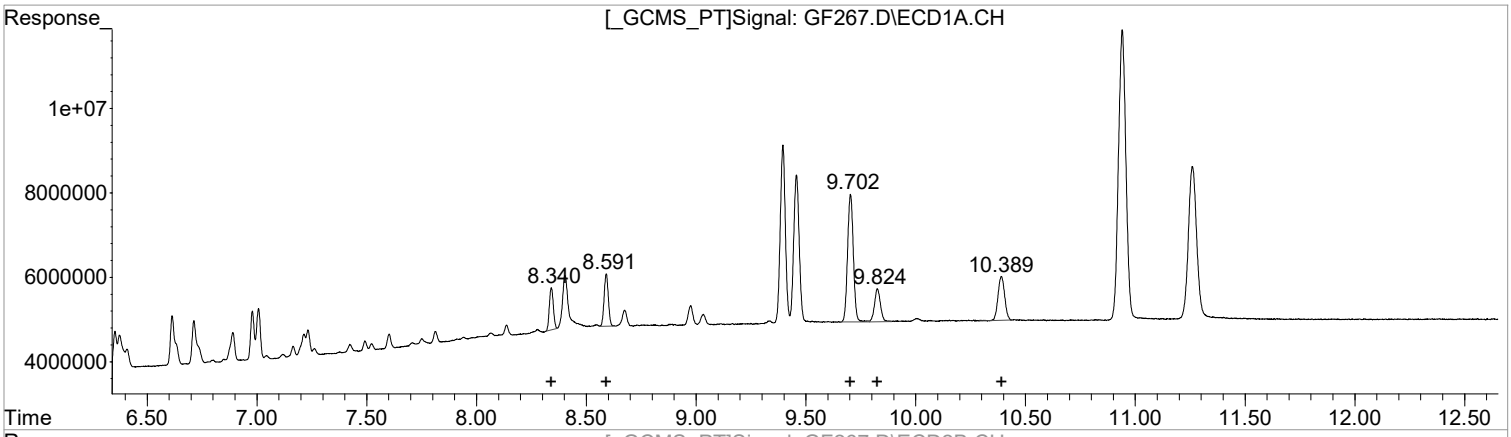
Quantitation Report (Qedit)

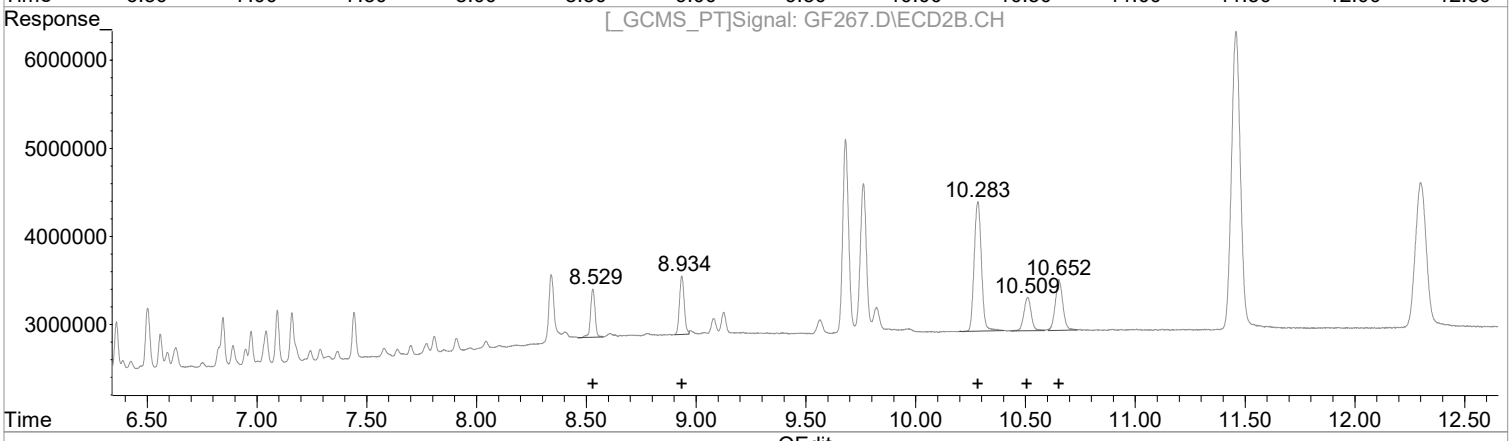
2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF267.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 9:14 pm
Operator :
Sample : 1242/68 LL
Misc : INITIAL CAL.
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:33:36 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:33:27 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m





QEdit

(38) PCB 1268 (L8C)

R.T.	Response	Conc
8.34	12567482	19.82
8.59	16593997	20.52
9.70	55622424	20.88
9.83	14517138	20.36
10.39	22173412	20.91

(38) PCB 1268 #2 (L8C)

R.T.	Response	Conc
8.53	7690519	20.62
8.93	9945931	21.57
10.28	33648412	20.77
10.51	8661796	20.55
10.65	13743864	20.38

Manual Integration:

After

Poor integration.

06/06/19

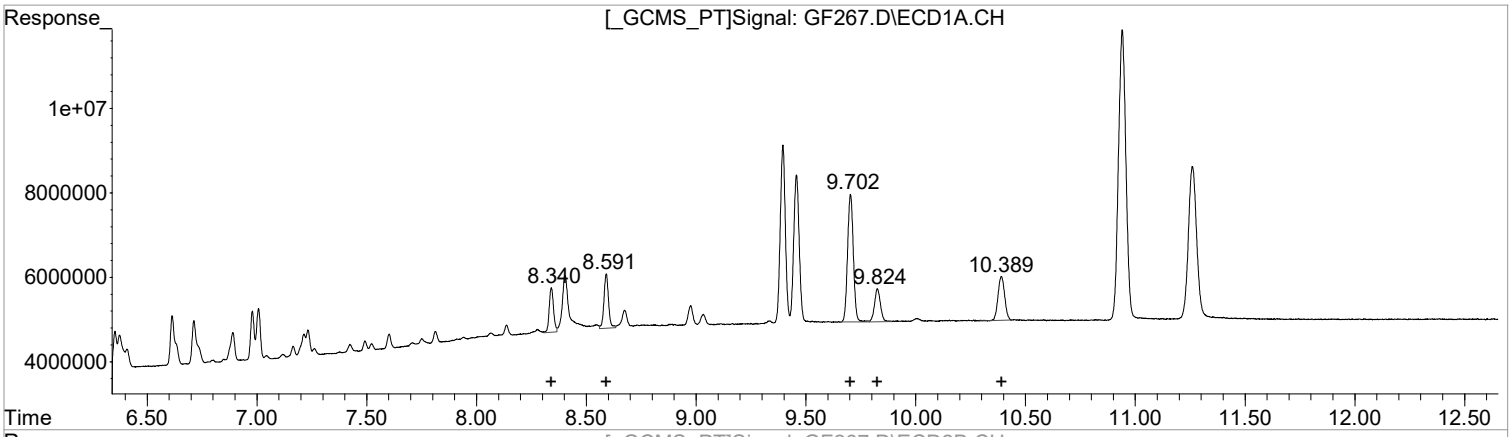
(+) = Expected Retention Time

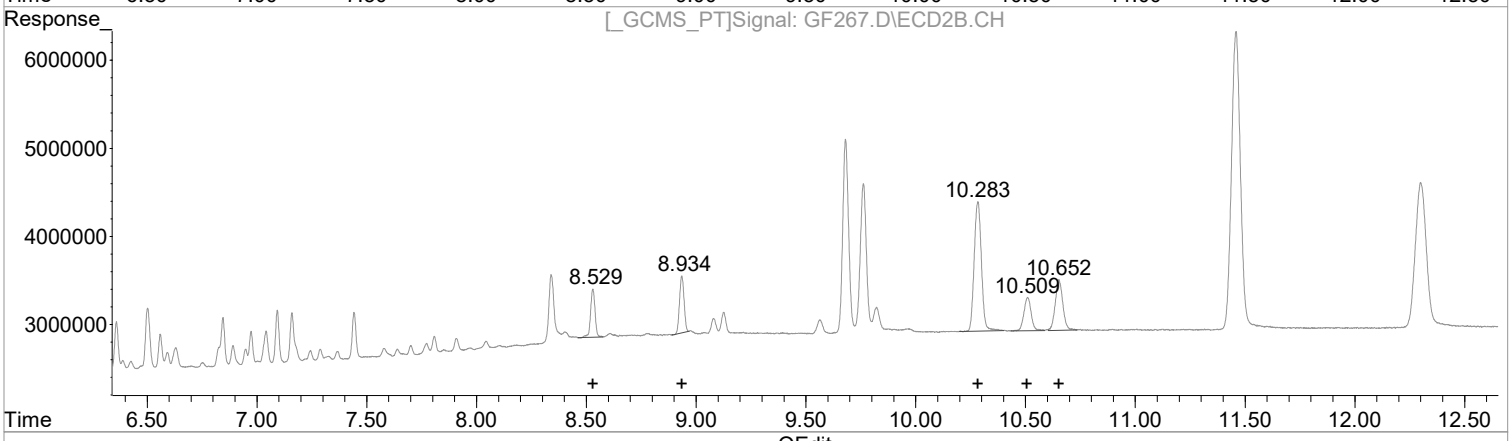
2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF267.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 9:14 pm
Operator :
Sample : 1242/68 LL
Misc : INITIAL CAL.
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:33:36 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:33:27 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m





QEdit

(38) PCB 1268 (L8C)

R.T.	Response	Conc
8.34	14352281	22.63
8.59	18719645	23.15
9.70	55622424	20.88
9.83	14517138	20.36
10.39	22173412	20.91

(38) PCB 1268 #2 (L8C)

R.T.	Response	Conc
8.53	7690519	20.62
8.93	9272504	20.11
10.28	33648412	20.77
10.51	8661796	20.55
10.65	13743864	20.38

Manual Integration:

Before

06/06/19

(+) = Expected Retention Time

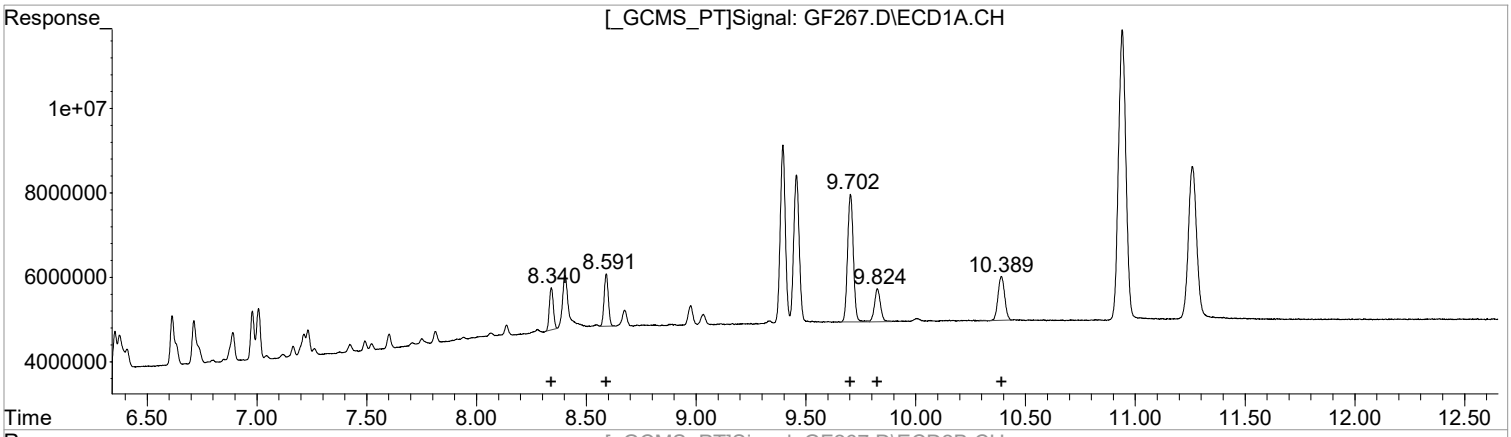
Quantitation Report (Qedit)

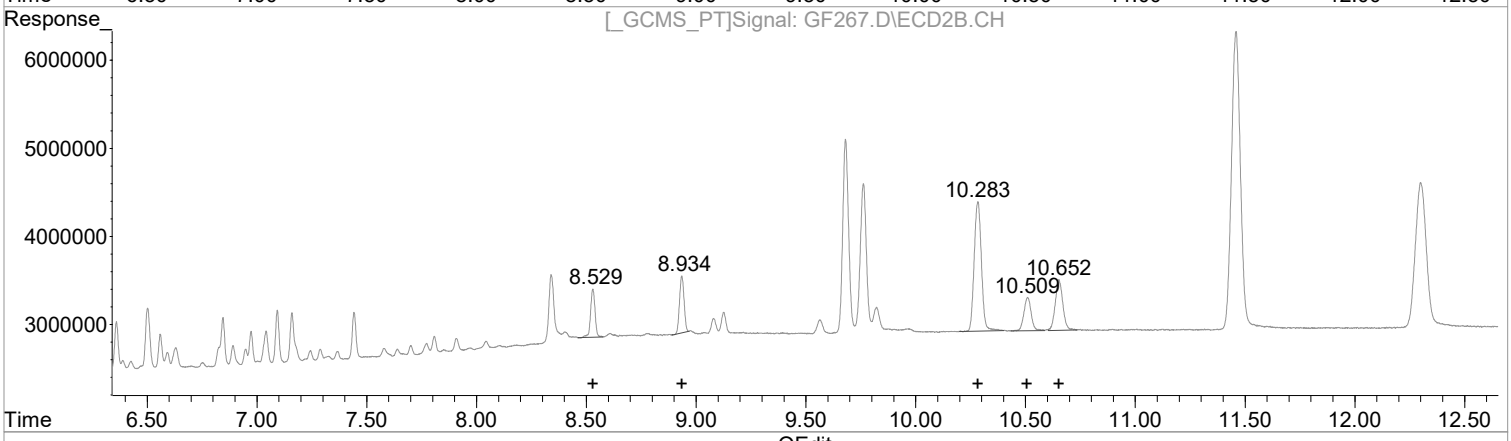
2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF267.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 9:14 pm
Operator :
Sample : 1242/68 LL
Misc : INITIAL CAL.
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:33:36 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:33:27 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m





QEdit

(38) PCB 1268 (L8C)

R.T.	Response	Conc
8.34	12567482	19.82
8.59	16593997	20.52
9.70	55622424	20.88
9.83	14517138	20.36
10.39	22173412	20.91

(38) PCB 1268 #2 (L8C)

R.T.	Response	Conc
8.53	7690519	20.62
8.93	9272504	20.11
10.28	33648412	20.77
10.51	8661796	20.55
10.65	13743864	20.38

Manual Integration:

After

Poor integration.

06/06/19

(+) = Expected Retention Time

2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF267.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 9:14 pm
Operator :
Sample : 1242/68 LL
Misc : INITIAL CAL.
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:33:36 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:33:27 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
System Monitoring Compounds						
1) S SURR1, TCMX	4.502	4.580	63288696	32457254	1.924	1.984
Spiked Amount 100.000	Range 30 - 150		Recovery =		1.92%#	1.98%#
2) S SURR2,Dec...	11.260	12.300	96740242	57842002	2.677	2.726
Spiked Amount 100.000	Range 30 - 150		Recovery =		2.68%#	2.73%#
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
18) L4c PCB 1242	5.133	5.345	10643898	4843920	22.636	21.618
19) L4c PCB 1242{2}	5.819	5.803	8102876	11137788	21.756	21.951
20) L4c PCB 1242{3}	6.017	6.845	42004019	8256109	21.445	21.467
21) L4c PCB 1242{4}	6.614	7.159	17695412	8117225	21.058	21.152
22) L4c PCB 1242{5}	6.713	7.442	16744835	6194545	20.589	19.924
Sum PCB 1242			95191038	38549587	107.484	106.113
Average PCB 1242					21.497	21.223
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
38) L8C PCB 1268	8.340	8.530	12567482	7690519	19.817m	20.617
39) L8C PCB 1268{2}	8.591	8.934	16593997	9945931	20.523m	21.572m
40) L8C PCB 1268{3}	9.703	10.283	55622424	33648412	20.881	20.767
41) L8C PCB 1268{4}	9.825	10.510	14517138	8661796	20.356	20.552
42) L8C PCB 1268{5}	10.390	10.652	22173412	13743864	20.915	20.383
Sum PCB 1268			121.5E6	73690523	102.491	103.892
Average PCB 1268					20.498	20.778
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

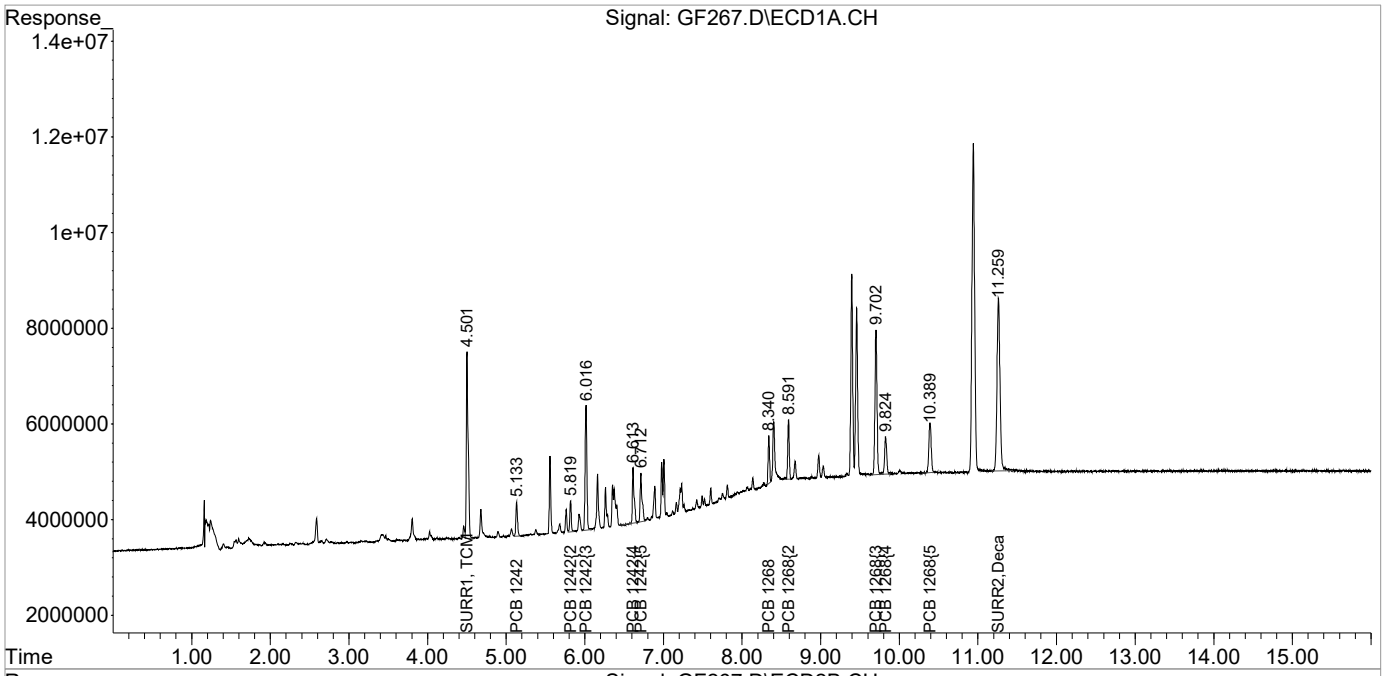
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

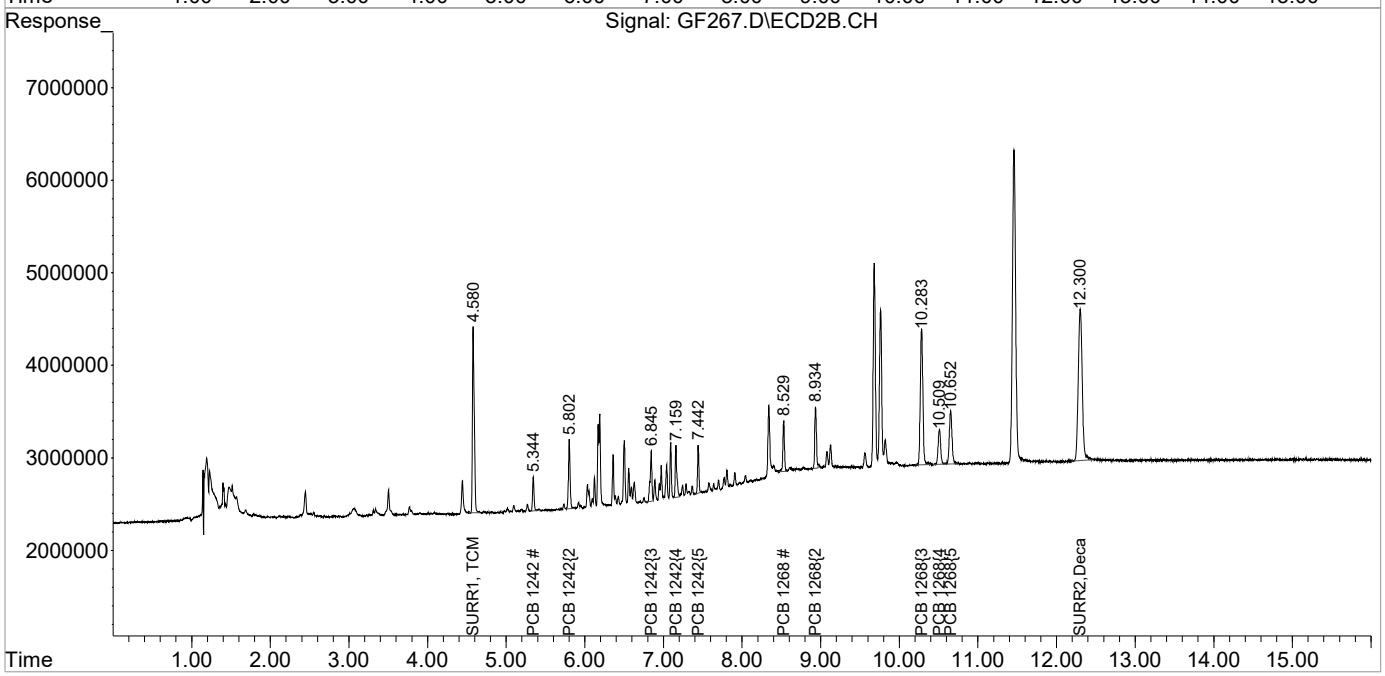
2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF267.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 9:14 pm
Operator :
Sample : 1242/68 LL
Misc : INITIAL CAL.
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:33:36 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:33:27 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m





2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF268.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 9:33 pm
Operator :
Sample : 1242/68 L
Misc : INITIAL CAL.
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:29:51 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:29:43 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
System Monitoring Compounds						
1) S SURR1, TCMX	4.501	4.580	635.3E6	317.9E6	19.679	19.576
Spiked Amount 100.000	Range 30 - 150		Recovery =		19.68%#	19.58%#
2) S SURR2,Dec...	11.259	12.300	588.0E6	345.6E6	22.745	23.108
Spiked Amount 100.000	Range 30 - 150		Recovery =		22.75%#	23.11%#
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
18) L4c PCB 1242	5.132	5.345	48151108	23019316	90.476	95.044
19) L4c PCB 1242{2}	5.819	5.803	38214133	52311006	94.322	93.934
20) L4c PCB 1242{3}	6.016	6.845	196.7E6	40087437	93.678	97.110
21) L4c PCB 1242{4}	6.613	7.159	85798992	39560308	96.973	97.472
22) L4c PCB 1242{5}	6.712	7.442	82400172	31815448	98.419	102.721
Sum PCB 1242			451.3E6	186.8E6	473.868	486.282
Average PCB 1242					94.774	97.256
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
38) L8C PCB 1268	8.340	8.531	68769488	38225591	95.831	99.410
39) L8C PCB 1268{2}	8.590	8.935	87134865	47168992	93.095	92.994
40) L8C PCB 1268{3}	9.703	10.282	265.0E6	162.8E6	94.855	95.356
41) L8C PCB 1268{4}	9.826	10.508	68916013	43233717	89.343	98.380
42) L8C PCB 1268{5}	10.391	10.652	105.8E6	67958767	92.374	99.026
Sum PCB 1268			595.6E6	359.4E6	465.497	485.165
Average PCB 1268					93.099	97.033
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

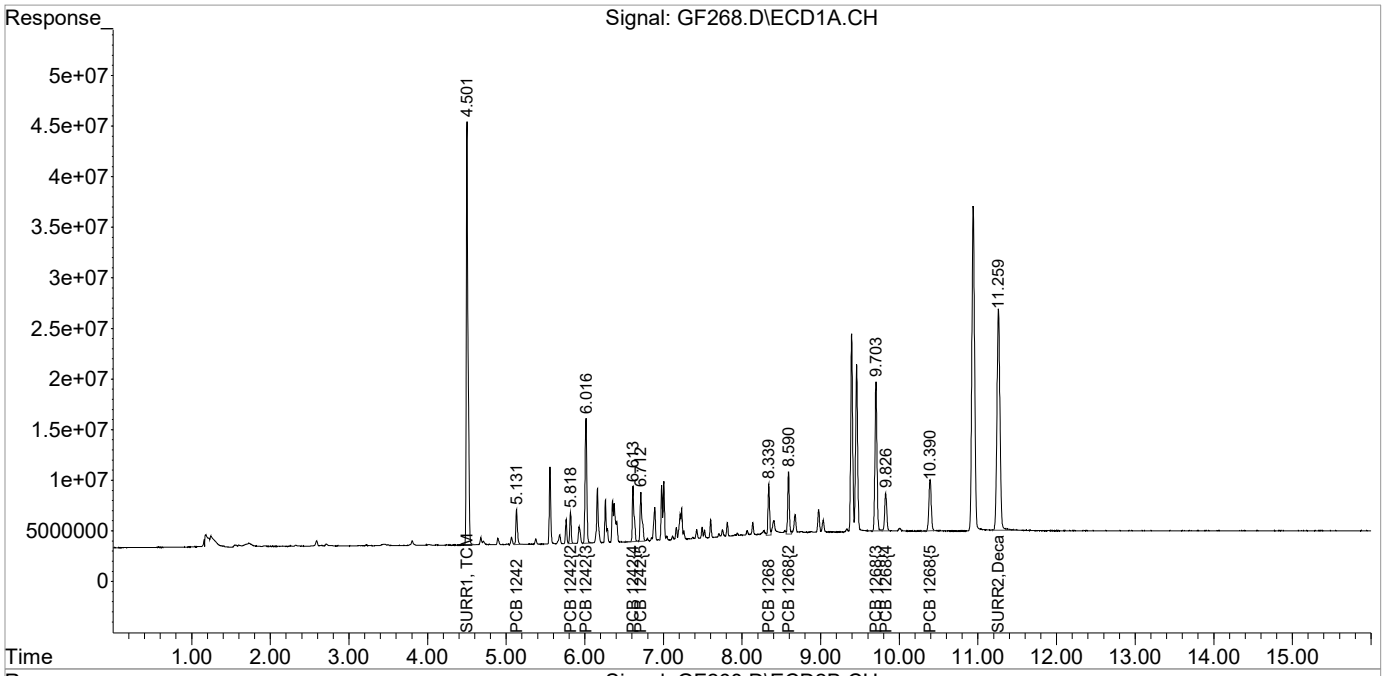
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

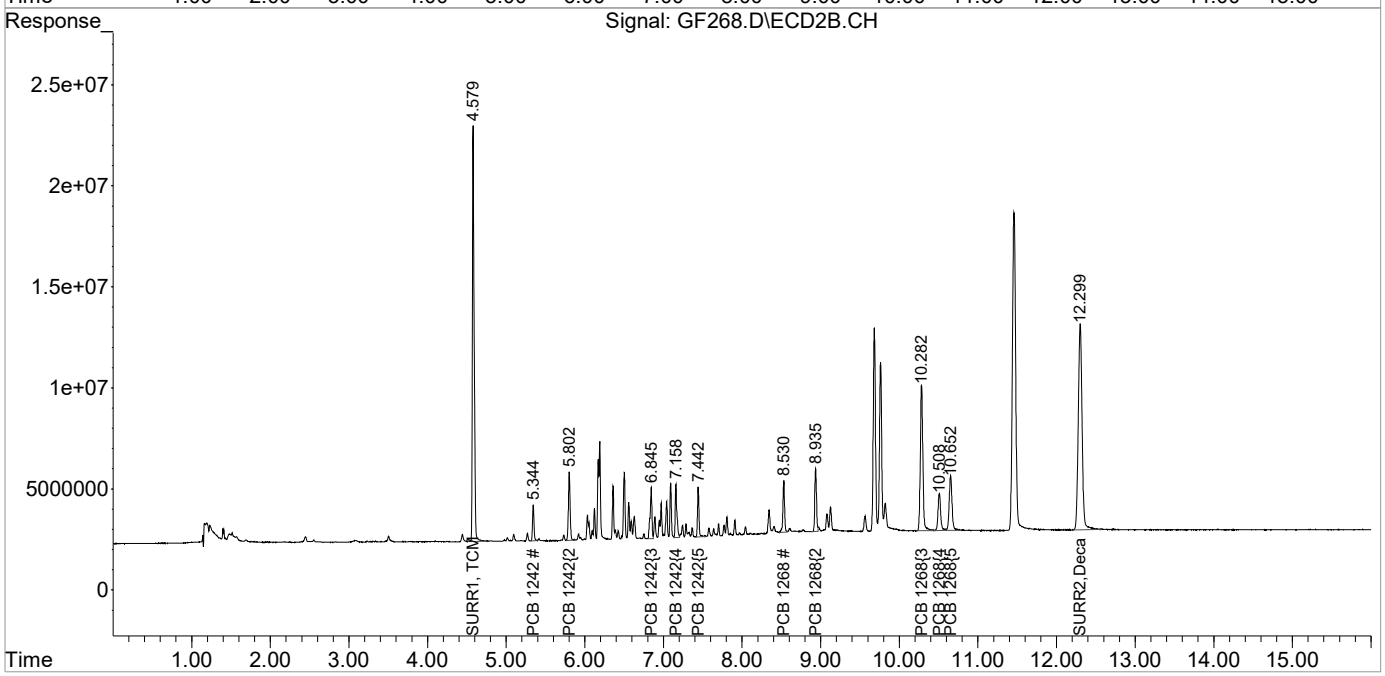
2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF268.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 9:33 pm
Operator :
Sample : 1242/68 L
Misc : INITIAL CAL.
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:29:51 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:29:43 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m





2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF269.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 9:53 pm
Operator :
Sample : 1242/68 ML
Misc : INITIAL CAL.
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:30:35 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:30:26 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
System Monitoring Compounds						
1) S SURR1, TCMX	4.502	4.580	1423.2E6	702.7E6	45.294	44.397
Spiked Amount 100.000	Range 30 - 150		Recovery =		45.29%	44.40%
2) S SURR2,Dec...	11.259	12.299	1332.2E6	770.7E6	50.014	49.665
Spiked Amount 100.000	Range 30 - 150		Recovery =		50.01%	49.66%
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
18) L4c PCB 1242	5.131	5.344	125.9E6	61496466	248.371	260.364
19) L4c PCB 1242{2}	5.818	5.803	100.5E6	137.0E6	255.412	253.791
20) L4c PCB 1242{3}	6.016	6.845	526.4E6	103.4E6	258.802	254.038
21) L4c PCB 1242{4}	6.614	7.158	228.1E6	103.4E6	261.756	258.078
22) L4c PCB 1242{5}	6.712	7.441	220.6E6	83744559	265.644	266.753
Sum PCB 1242			1201.5E6	489.1E6	1289.986	1293.023
Average PCB 1242					257.997	258.605
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
38) L8C PCB 1268	8.340	8.530	168.3E6	99833097	239.539	260.395
39) L8C PCB 1268{2}	8.590	8.935	213.9E6	121.6E6	236.733	248.374
40) L8C PCB 1268{3}	9.703	10.282	711.4E6	432.3E6	261.397	259.258
41) L8C PCB 1268{4}	9.826	10.505	190.5E6	113.5E6	260.809	260.294
42) L8C PCB 1268{5}	10.391	10.649	283.2E6	179.1E6	257.086	262.291
Sum PCB 1268			1567.3E6	946.3E6	1255.564	1290.611
Average PCB 1268					251.113	258.122
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

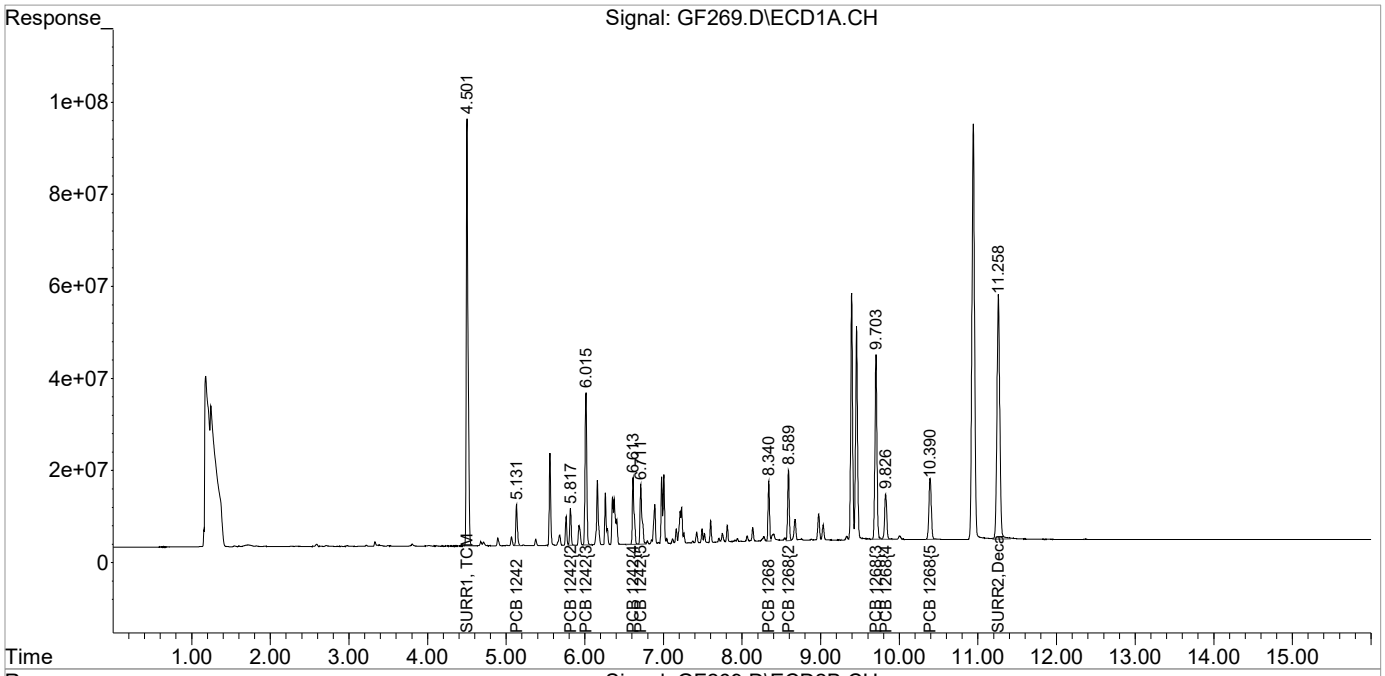
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

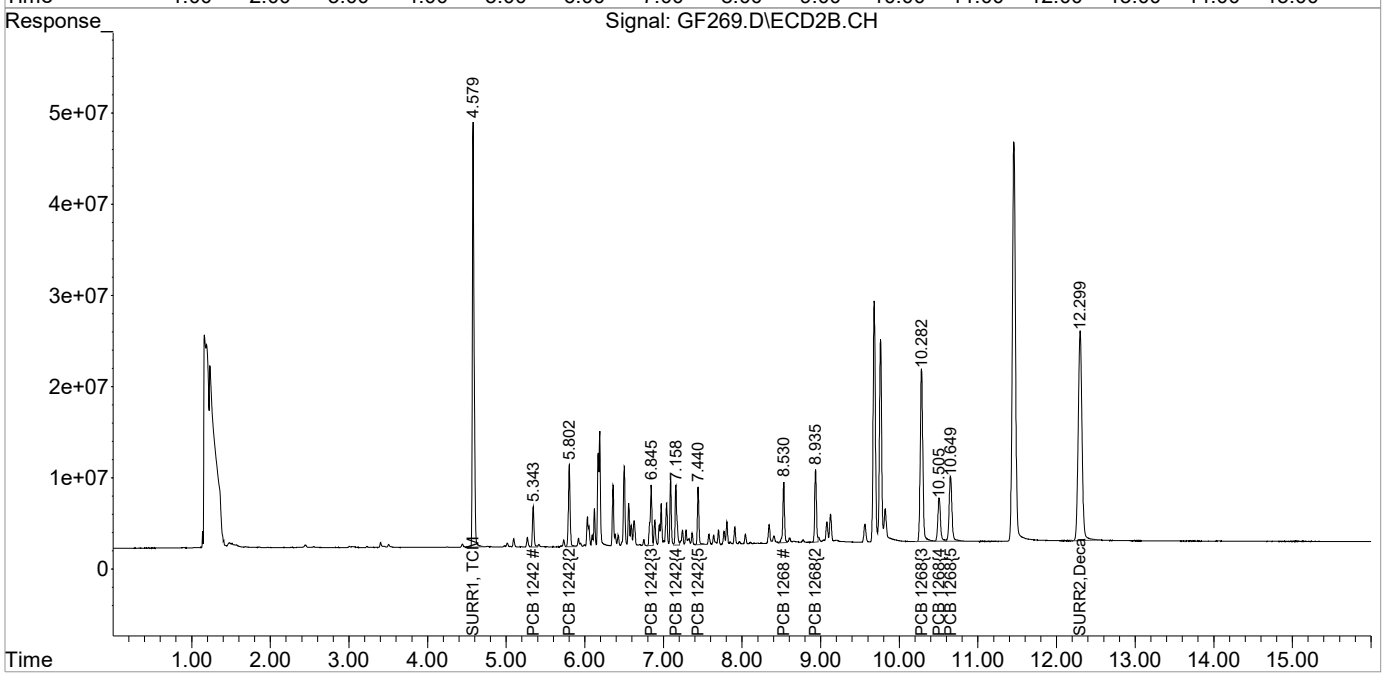
2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF269.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 9:53 pm
Operator :
Sample : 1242/68 ML
Misc : INITIAL CAL.
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:30:35 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:30:26 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m





2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF270.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 10:13 pm
Operator :
Sample : 1242/68 M
Misc : INITIAL CAL.
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:31:26 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:31:17 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
System Monitoring Compounds						
1) S SURR1, TCMX	4.503	4.581	1989.5E6	981.4E6	62.546	61.364
Spiked Amount 100.000	Range 30 - 150	Recovery =			62.55%	61.36%
2) S SURR2,Dec...	11.262	12.301	2042.5E6	1194.3E6	71.649	71.555
Spiked Amount 100.000	Range 30 - 150	Recovery =			71.65%	71.56%
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
18) L4c PCB 1242	5.133	5.345	225.9E6	109.0E6	446.569	455.026
19) L4c PCB 1242{2}	5.819	5.803	180.0E6	245.1E6	453.873	451.605
20) L4c PCB 1242{3}	6.016	6.846	959.7E6	185.9E6	466.423	454.499
21) L4c PCB 1242{4}	6.614	7.159	410.2E6	187.4E6	463.442	462.674
22) L4c PCB 1242{5}	6.713	7.442	401.4E6	153.8E6	473.401	479.172
Sum PCB 1242			2177.1E6	881.2E6	2303.708	2302.976
Average PCB 1242					460.742	460.595
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
38) L8C PCB 1268	8.341	8.531	298.1E6	185.6E6	430.316	477.393
39) L8C PCB 1268{2}	8.591	8.937	377.9E6	219.8E6	425.694	450.061
40) L8C PCB 1268{3}	9.704	10.284	1311.3E6	792.5E6	474.585	469.489
41) L8C PCB 1268{4}	9.826	10.510	353.9E6	206.6E6	477.798	467.545
42) L8C PCB 1268{5}	10.391	10.654	523.4E6	338.6E6	470.811	487.792
Sum PCB 1268			2864.7E6	1743.0E6	2279.203	2352.279
Average PCB 1268					455.841	470.456
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

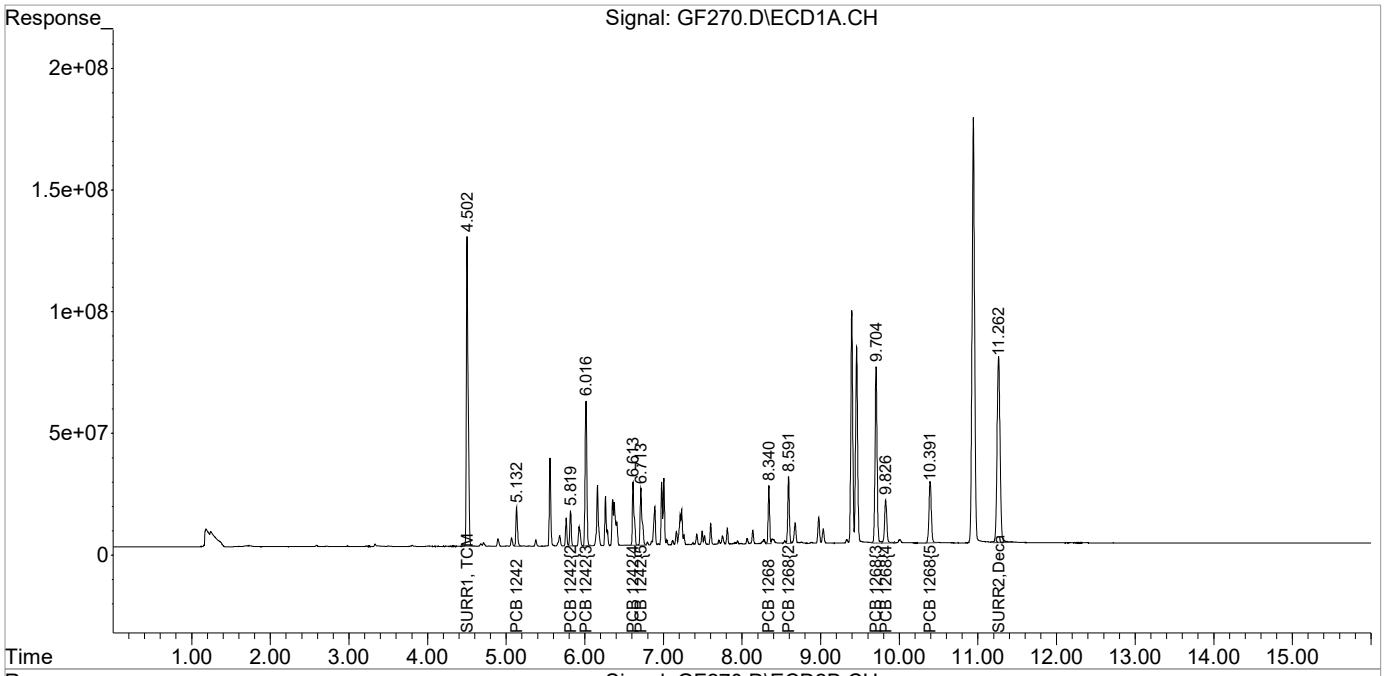
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

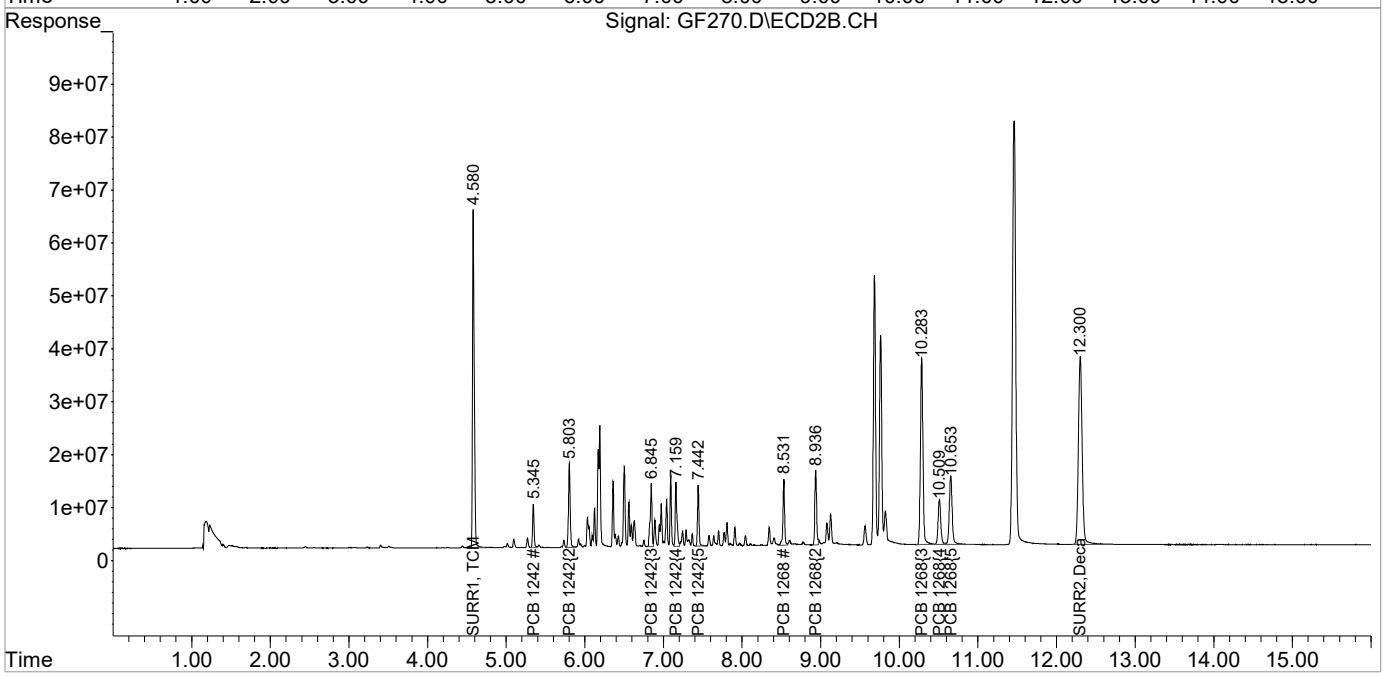
2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF270.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 10:13 pm
Operator :
Sample : 1242/68 M
Misc : INITIAL CAL.
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:31:26 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:31:17 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m





2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF271.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 10:32 pm
Operator :
Sample : 1242/68 MH
Misc : INITIAL CAL.
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:32:11 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:32:03 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
System Monitoring Compounds						
1) S SURR1, TCMX	4.503	4.581	2622.1E6	1297.5E6	81.091	80.058
Spiked Amount 100.000	Range 30 - 150	Recovery =			81.09%	80.06%
2) S SURR2,Dec...	11.259	12.297	2784.1E6	1637.6E6	89.562	89.875
Spiked Amount 100.000	Range 30 - 150	Recovery =			89.56%	89.88%
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
18) L4c PCB 1242	5.132	5.345	327.1E6	157.3E6	664.581	672.025
19) L4c PCB 1242{2}	5.819	5.803	262.8E6	355.5E6	678.445	671.196
20) L4c PCB 1242{3}	6.016	6.845	1398.4E6	271.3E6	691.193	678.660
21) L4c PCB 1242{4}	6.613	7.159	600.1E6	272.1E6	690.665	684.479
22) L4c PCB 1242{5}	6.712	7.442	586.1E6	226.5E6	700.575	713.083
Sum PCB 1242			3174.5E6	1282.6E6	3425.459	3419.443
Average PCB 1242					685.092	683.889
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
38) L8C PCB 1268	8.340	8.530	432.9E6	269.2E6	647.371	700.557
39) L8C PCB 1268{2}	8.590	8.935	550.8E6	321.6E6	644.449	675.348
40) L8C PCB 1268{3}	9.702	10.283	1933.9E6	1169.6E6	708.918	703.623
41) L8C PCB 1268{4}	9.825	10.507	515.5E6	301.0E6	703.650	692.416
42) L8C PCB 1268{5}	10.392	10.652	747.2E6	488.3E6	682.037	707.820
Sum PCB 1268			4180.3E6	2549.7E6	3386.425	3479.764
Average PCB 1268					677.285	695.953
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

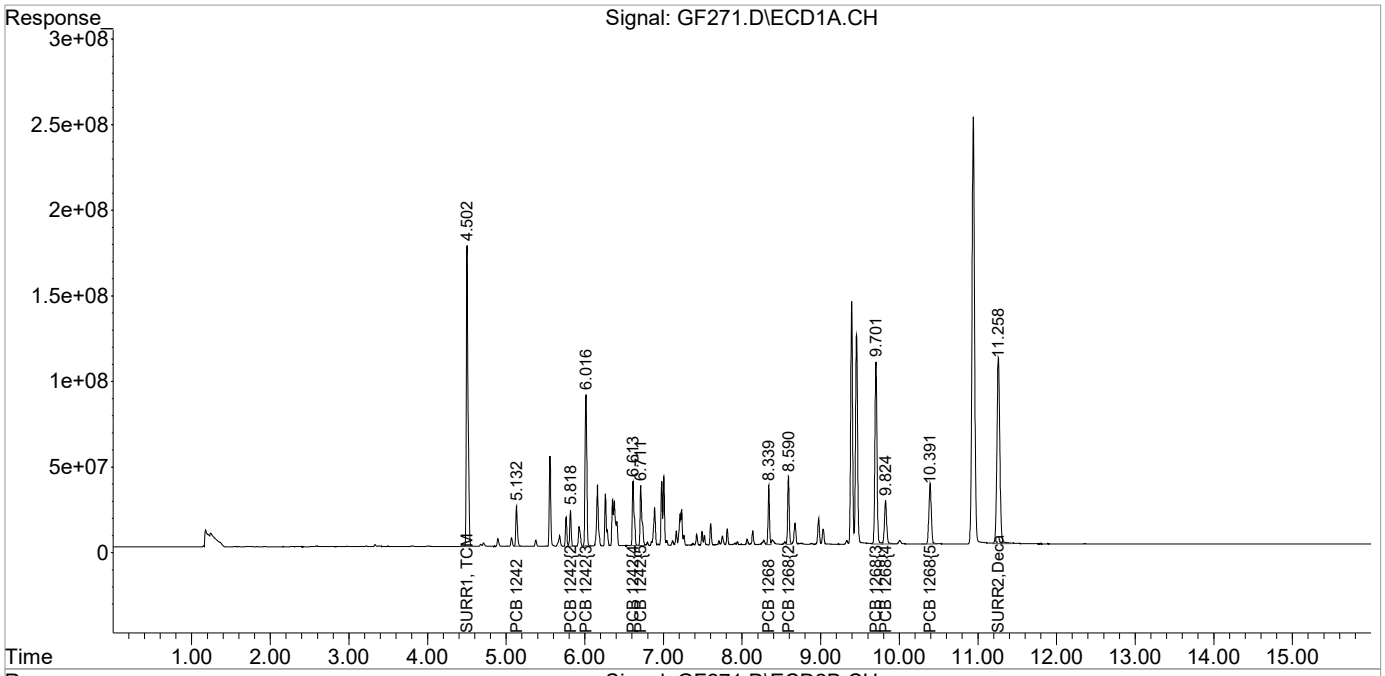
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

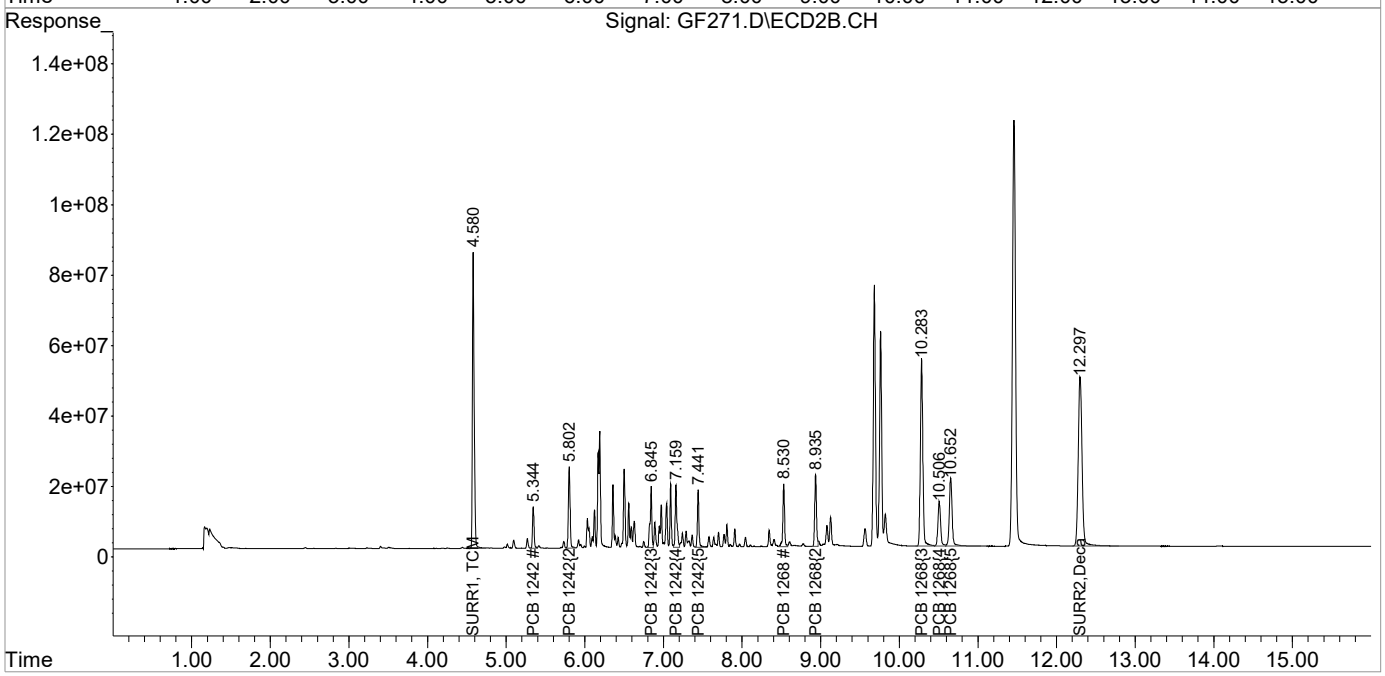
2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF271.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 10:32 pm
Operator :
Sample : 1242/68 MH
Misc : INITIAL CAL.
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:32:11 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:32:03 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m





2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF272.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 10:52 pm
Operator :
Sample : 1242/68 H
Misc : INITIAL CAL.
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:32:52 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:32:43 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
System Monitoring Compounds						
1) S SURR1, TCMX	4.503	4.581	3196.5E6	1587.2E6	97.592	97.021
Spiked Amount 100.000	Range 30 - 150	Recovery =			97.59%	97.02%
2) S SURR2,Dec...	11.260	12.297	3527.4E6	2048.0E6	104.927	103.717
Spiked Amount 100.000	Range 30 - 150	Recovery =			104.93%	103.72%
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
18) L4c PCB 1242	5.133	5.345	416.2E6	198.4E6	865.246	865.574
19) L4c PCB 1242{2}	5.819	5.803	334.9E6	452.0E6	881.381	871.863
20) L4c PCB 1242{3}	6.017	6.845	1795.2E6	347.0E6	901.457	884.878
21) L4c PCB 1242{4}	6.614	7.159	766.4E6	349.8E6	896.250	895.591
22) L4c PCB 1242{5}	6.712	7.443	751.4E6	293.0E6	910.119	931.648
Sum PCB 1242			4064.1E6	1640.2E6	4454.453	4449.554
Average PCB 1242					890.891	889.911
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
38) L8C PCB 1268	8.340	8.530	553.0E6	341.9E6	850.300	901.545
39) L8C PCB 1268{2}	8.591	8.935	698.2E6	432.7E6	840.538	927.145
40) L8C PCB 1268{3}	9.703	10.283	2492.3E6	1513.4E6	923.720	921.871
41) L8C PCB 1268{4}	9.826	10.507	661.5E6	388.5E6	914.249	907.693
42) L8C PCB 1268{5}	10.390	10.654	982.4E6	635.0E6	913.274	930.864
Sum PCB 1268			5387.4E6	3311.5E6	4442.080	4589.118
Average PCB 1268					888.416	917.824
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

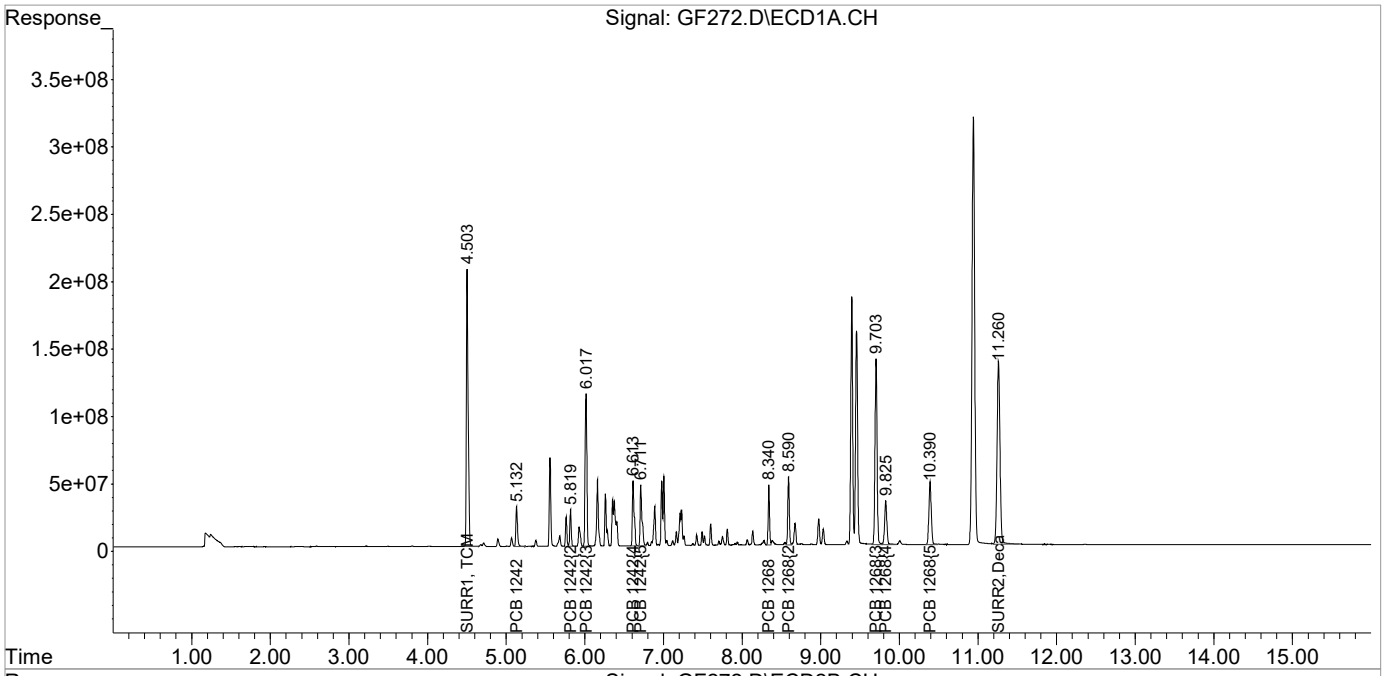
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

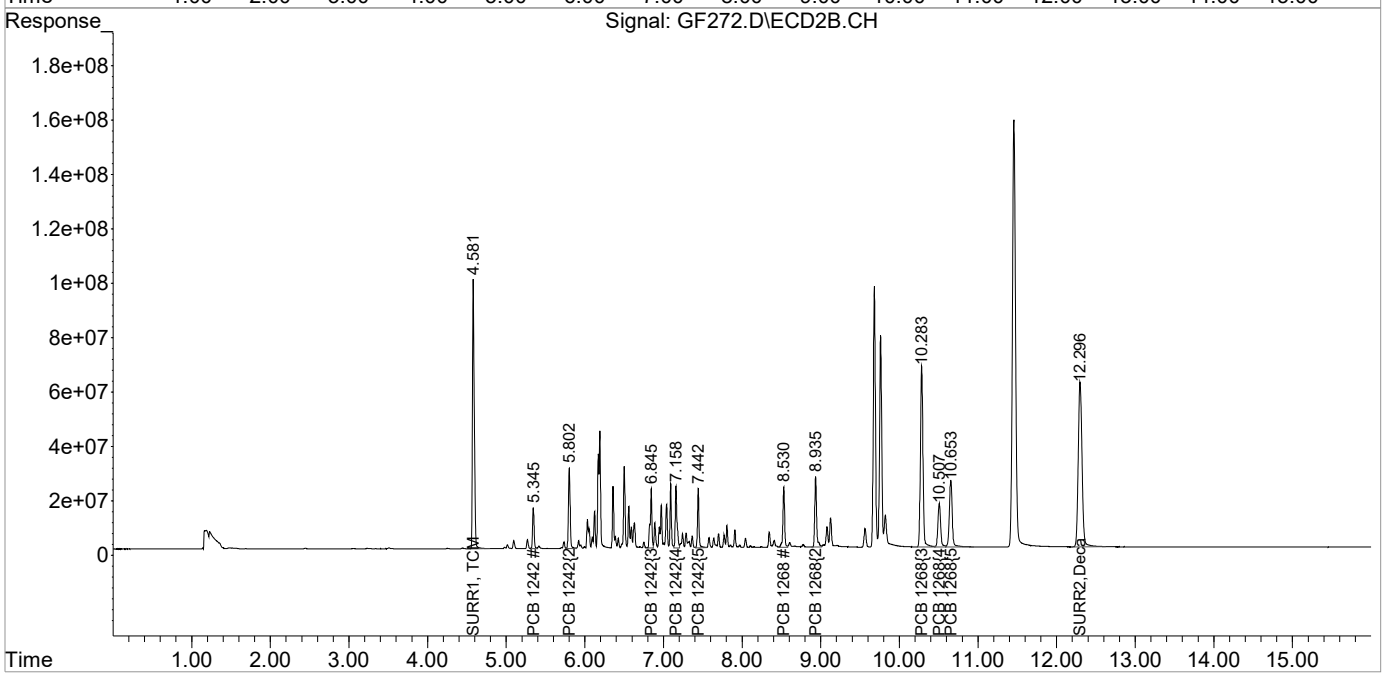
2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF272.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 10:52 pm
Operator :
Sample : 1242/68 H
Misc : INITIAL CAL.
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:32:52 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:32:43 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m





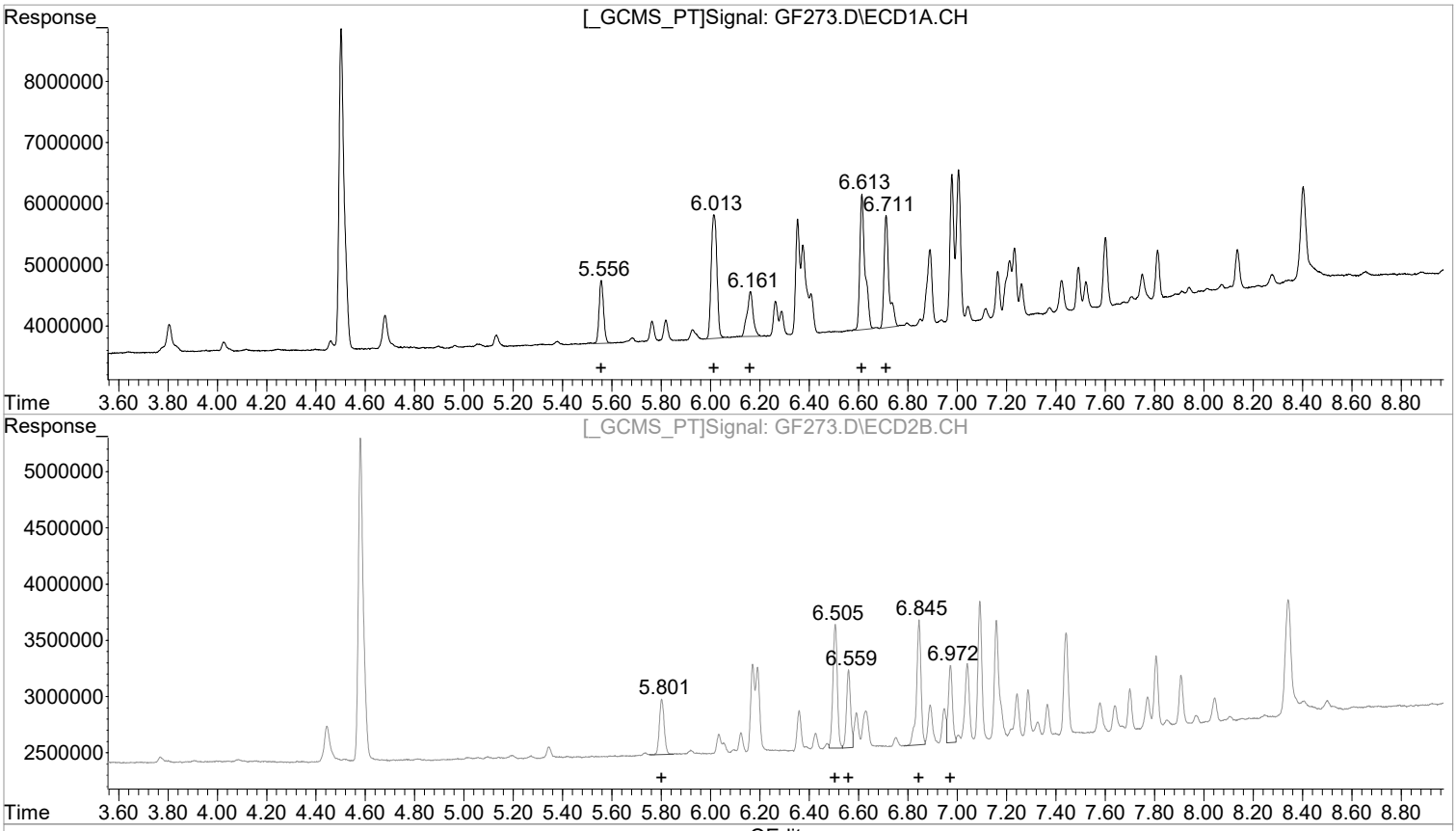
Quantitation Report (Qedit)

2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF273.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 11:12 pm
Operator :
Sample : 1248 LL
Misc : INITIAL CAL.
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:40:14 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:40:04 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

(23) PCB 1248 (L5c)

R.T.	Response	Conc
5.56	13013154	24.76
6.01	32349487	24.24
6.16	12579771	24.28
6.61	32303980	24.39
6.71	25475090	23.40

(23) PCB 1248 #2 (L5c)

R.T.	Response	Conc
5.80	6639106	24.33
6.51	13792082	25.49
6.56	7994787	25.03
6.85	13981256	25.12
6.97	7937810	24.03

Manual Integration:

After

Poor integration.

06/06/19

(+) = Expected Retention Time

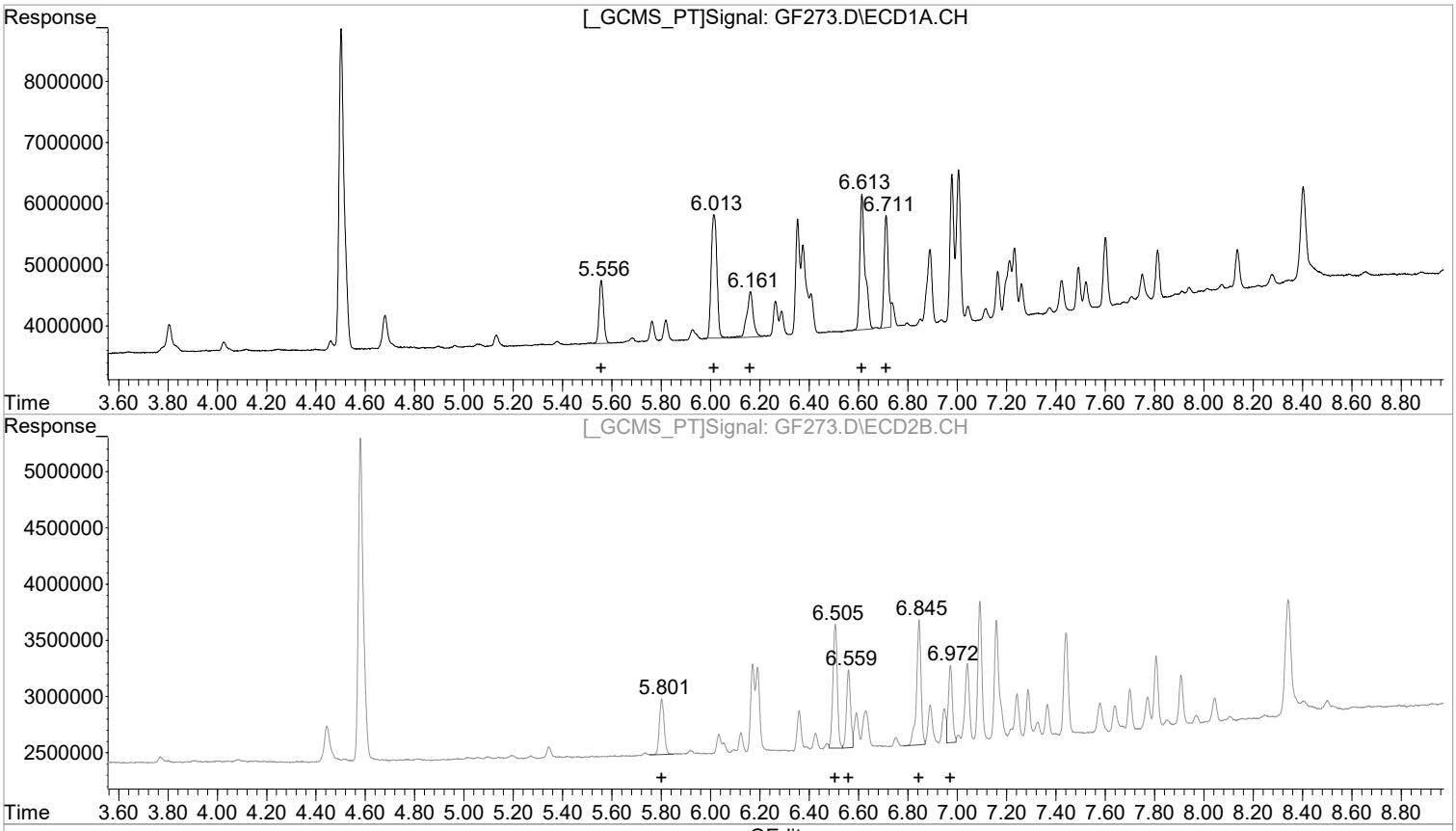
Quantitation Report (Qedit)

2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF273.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 11:12 pm
Operator :
Sample : 1248 LL
Misc : INITIAL CAL.
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:40:14 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:40:04 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

(23) PCB 1248 (L5c)

R.T.	Response	Conc
5.56	13013154	24.76
6.01	32969180	24.71
6.16	13559481	26.17
6.61	32608365	24.62
6.71	21791465	20.01

(23) PCB 1248 #2 (L5c)

R.T.	Response	Conc
5.80	6639106	24.33
6.51	13792082	25.49
6.56	7994787	25.03
6.85	13981256	25.12
6.97	7937810	24.03

Manual Integration:

Before

06/06/19

(+) = Expected Retention Time

2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF273.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 11:12 pm
Operator :
Sample : 1248 LL
Misc : INITIAL CAL.
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:40:14 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:40:04 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
System Monitoring Compounds						
1) S SURR1, TCMX	4.502	4.580	77230059	40413701	2.191	2.273
Spiked Amount 100.000	Range 30 - 150		Recovery =		2.19%#	2.27%#
2) S SURR2,Dec...	11.259	12.301	77316736	48386984	3.038	3.162
Spiked Amount 100.000	Range 30 - 150		Recovery =		3.04%#	3.16%#
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
23) L5c PCB 1248	5.557	5.802	13013154	6639106	24.760	24.333
24) L5c PCB 1248{2}	6.013	6.506	32349487	13792082	24.243m	25.493
25) L5c PCB 1248{3}	6.161	6.559	12579771	7994787	24.283m	25.034
26) L5c PCB 1248{4}	6.613	6.845	32303980	13981256	24.389m	25.123
27) L5c PCB 1248{5}	6.711	6.972	25475090	7937810	23.397m	24.035
Sum PCB 1248			115.7E6	50345040	121.072	124.018
Average PCB 1248					24.214	24.804
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

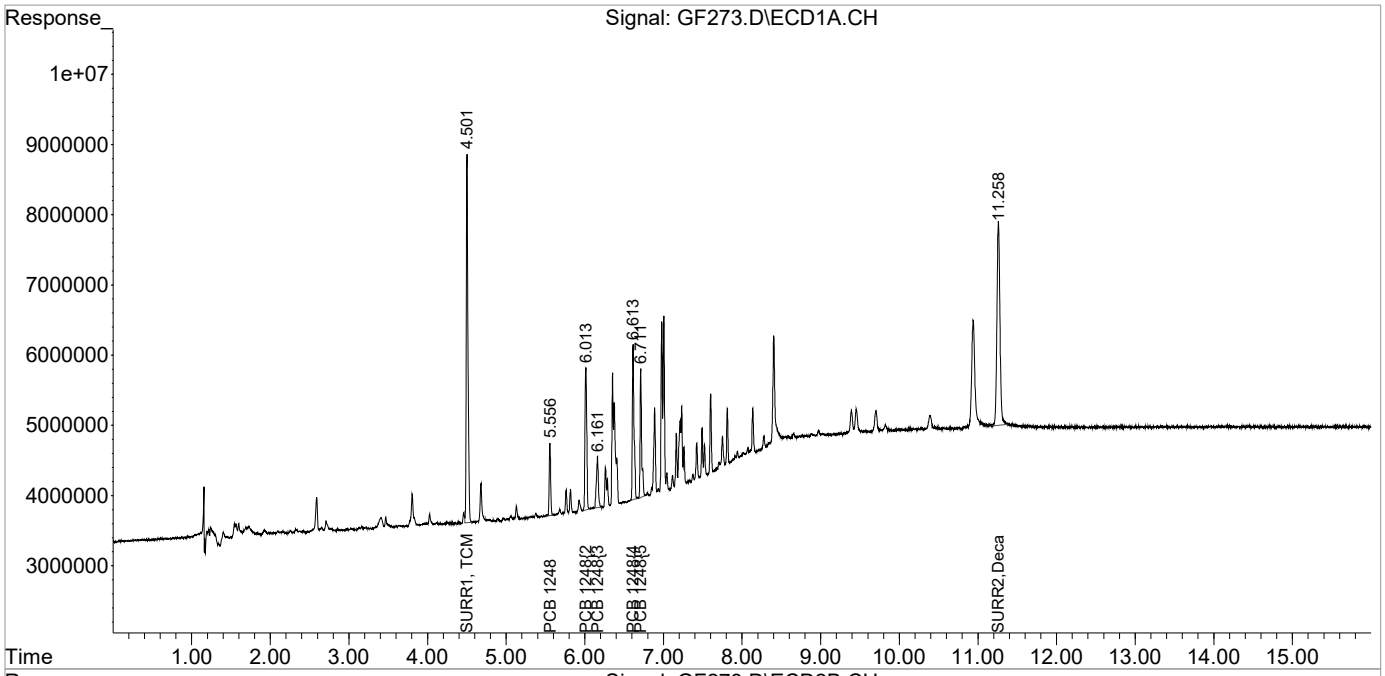
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

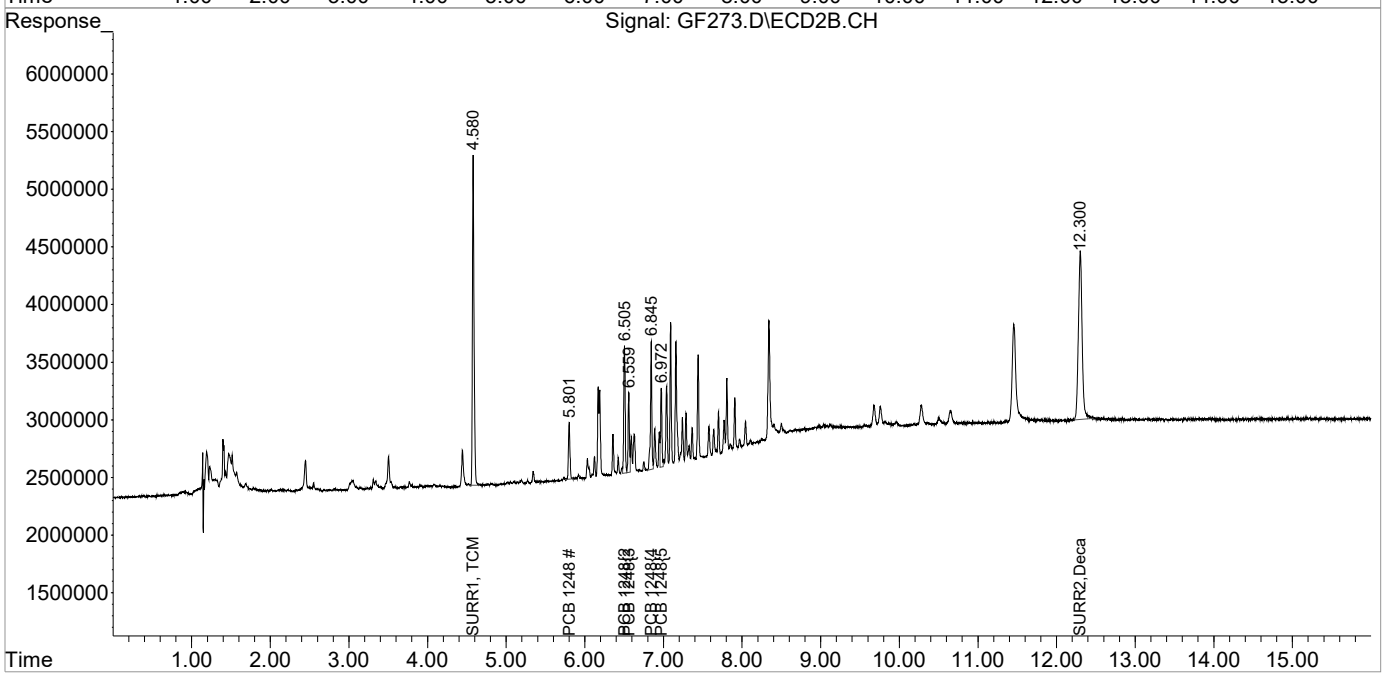
2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF273.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 11:12 pm
Operator :
Sample : 1248 LL
Misc : INITIAL CAL.
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:40:14 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:40:04 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m





2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF274.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 11:31 pm
Operator :
Sample : 1248 L
Misc : INITIAL CAL.
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:36:58 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:36:51 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
System Monitoring Compounds						
1) S SURR1, TCMX	4.501	4.579	751.0E6	379.1E6	22.112	22.274
Spiked Amount 100.000	Range 30 - 150		Recovery =		22.11%#	22.27%#
2) S SURR2,Dec...	11.259	12.297	506.3E6	307.1E6	14.651	15.044
Spiked Amount 100.000	Range 30 - 150		Recovery =		14.65%#	15.04%#
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
23) L5c PCB 1248	5.557	5.801	58739723	31254040	90.277	94.151
24) L5c PCB 1248{2}	6.013	6.505	147.9E6	61172738	89.707	88.707
25) L5c PCB 1248{3}	6.160	6.560	58295413	36310767	85.985	90.836
26) L5c PCB 1248{4}	6.613	6.844	147.4E6	62828961	90.425	89.876
27) L5c PCB 1248{5}	6.711	6.972	120.9E6	36480551	95.310	88.137
Sum PCB 1248			533.3E6	228.0E6	451.704	451.708
Average PCB 1248					90.341	90.342
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

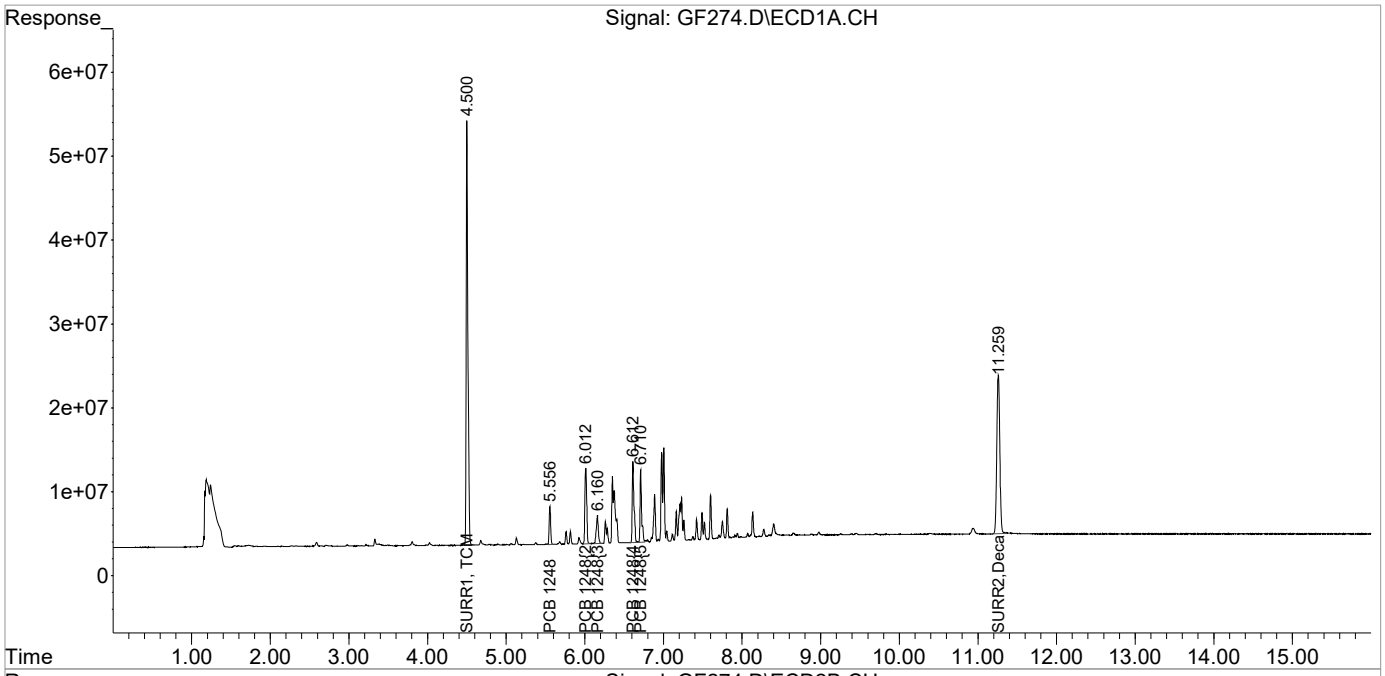
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

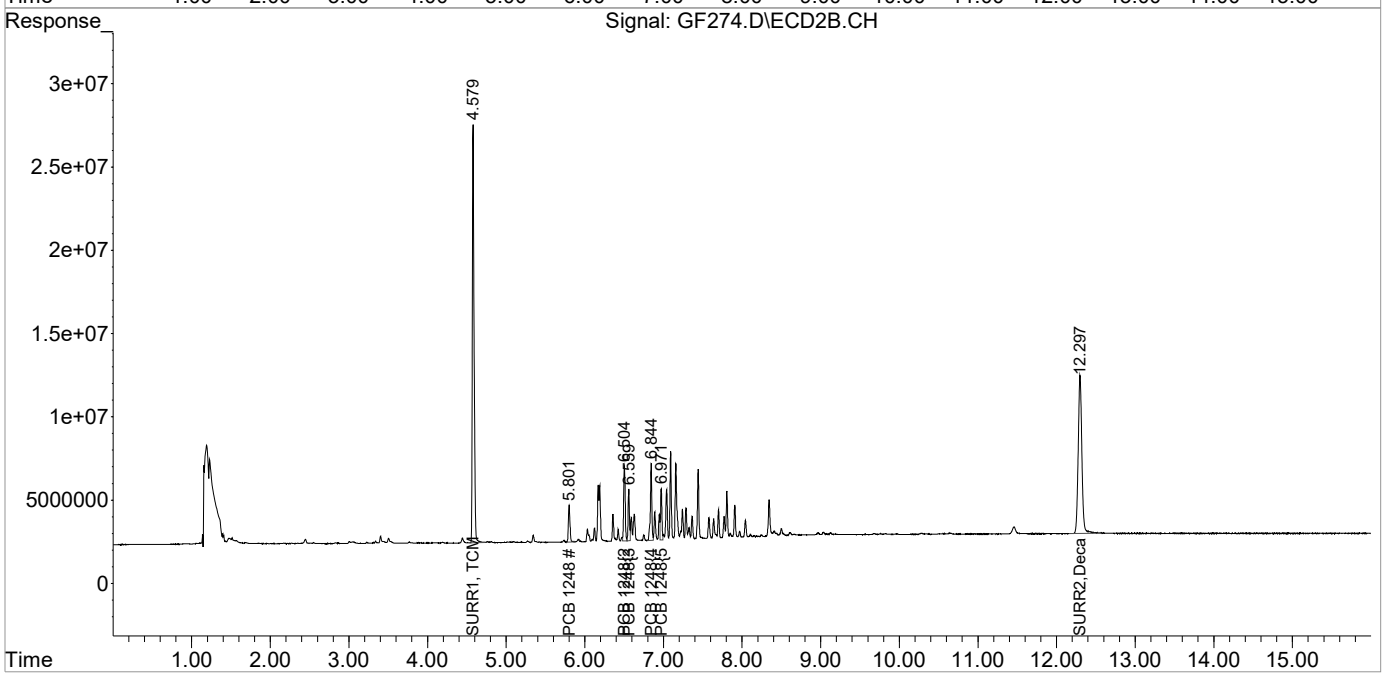
2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF274.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 11:31 pm
Operator :
Sample : 1248 L
Misc : INITIAL CAL.
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:36:58 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:36:51 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m





2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF275.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 11:51 pm
Operator :
Sample : 1248 ML
Misc : INITIAL CAL.
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:37:46 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:37:38 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
System Monitoring Compounds						
1) S SURR1, TCMX	4.502	4.581	1362.1E6	681.8E6	38.996	38.896
Spiked Amount 100.000	Range 30 - 150		Recovery =		39.00%	38.90%
2) S SURR2,Dec...	11.258	12.296	871.9E6	519.5E6	25.740	25.857
Spiked Amount 100.000	Range 30 - 150		Recovery =		25.74%#	25.86%#
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
23) L5c PCB 1248	5.557	5.801	125.6E6	65386608	202.958	202.908
24) L5c PCB 1248{2}	6.013	6.506	313.7E6	127.1E6	200.603	195.283
25) L5c PCB 1248{3}	6.162	6.559	121.0E6	75234019	191.881	197.245
26) L5c PCB 1248{4}	6.613	6.845	314.1E6	131.7E6	202.360	198.437
27) L5c PCB 1248{5}	6.711	6.972	259.2E6	77736165	209.173	199.653
Sum PCB 1248			1133.6E6	477.1E6	1006.975	993.527
Average PCB 1248					201.395	198.705
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

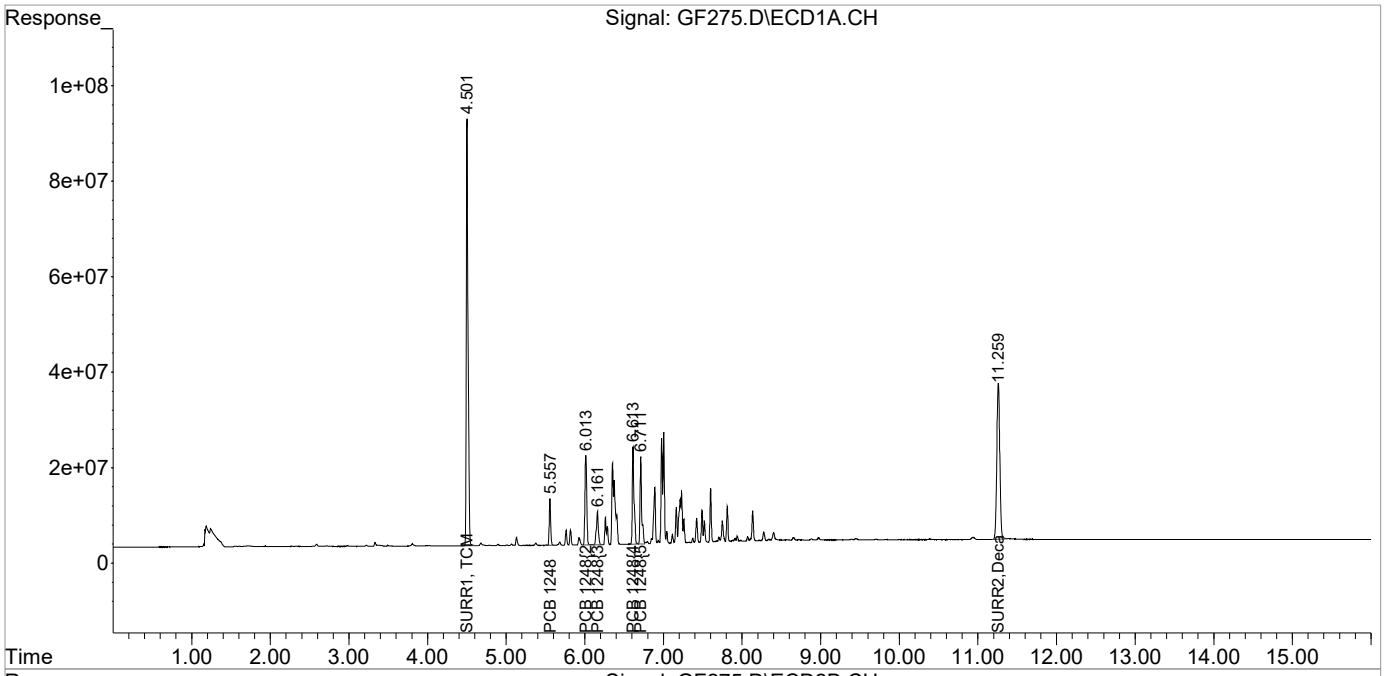
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

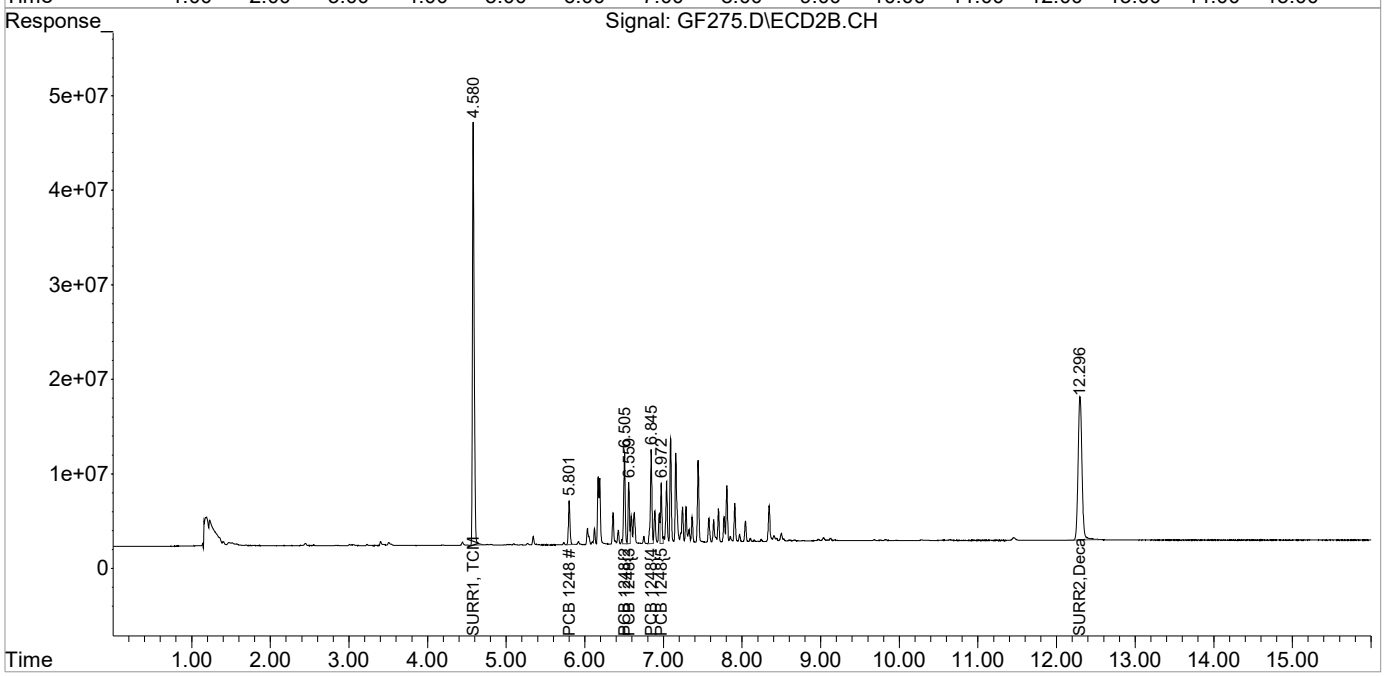
2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF275.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Jun 2019 11:51 pm
Operator :
Sample : 1248 ML
Misc : INITIAL CAL.
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:37:46 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:37:38 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m





2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF276.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2019 12:11 am
Operator :
Sample : 1248 M
Misc : INITIAL CAL.
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:38:21 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:38:14 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
System Monitoring Compounds						
1) S SURR1, TCMX	4.501	4.580	2060.0E6	1026.1E6	59.410	58.830
Spiked Amount 100.000	Range 30 - 150	Recovery =			59.41%	58.83%
2) S SURR2,Dec...	11.259	12.297	1297.4E6	767.7E6	40.599	40.313
Spiked Amount 100.000	Range 30 - 150	Recovery =			40.60%	40.31%
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
23) L5c PCB 1248	5.557	5.801	243.1E6	126.3E6	418.916	418.352
24) L5c PCB 1248{2}	6.015	6.504	615.0E6	246.3E6	421.062	408.407
25) L5c PCB 1248{3}	6.160	6.559	232.7E6	146.9E6	400.096	414.148
26) L5c PCB 1248{4}	6.613	6.844	612.3E6	254.2E6	421.215	411.297
27) L5c PCB 1248{5}	6.711	6.972	512.0E6	151.5E6	437.033	417.096
Sum PCB 1248			2215.1E6	925.3E6	2098.322	2069.300
Average PCB 1248					419.664	413.860
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

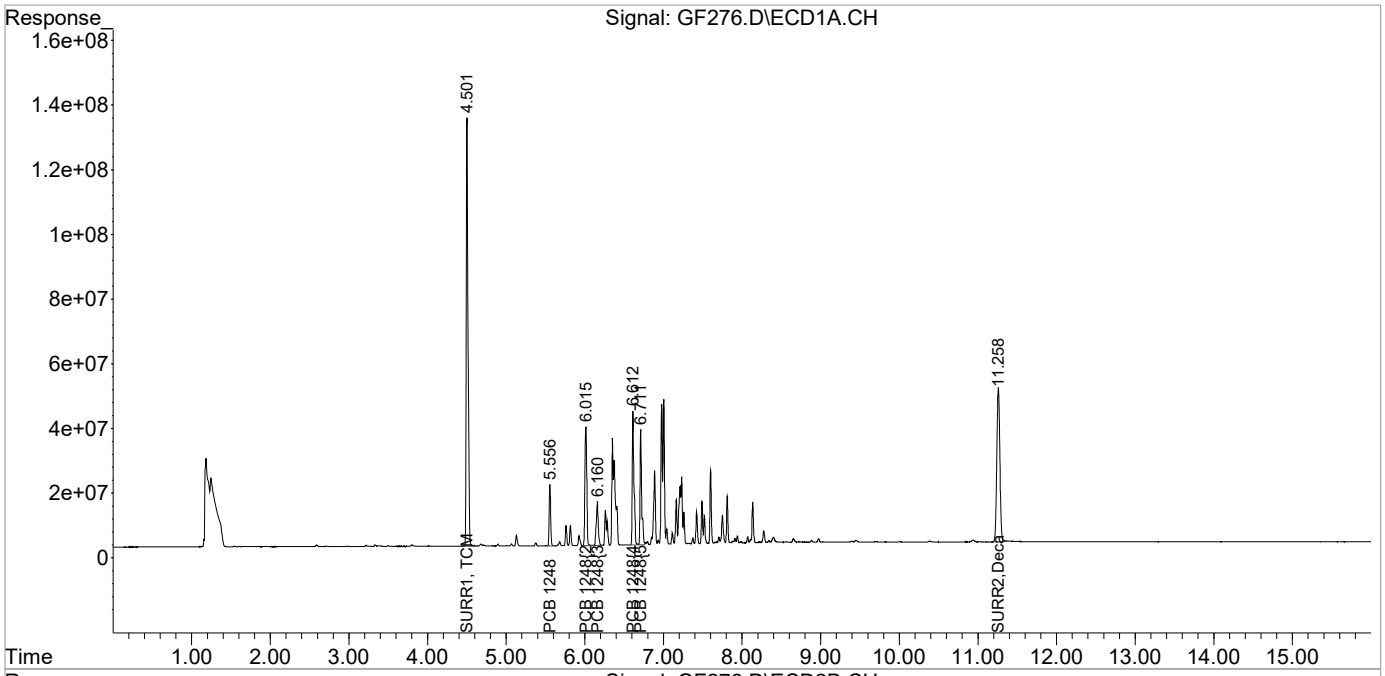
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

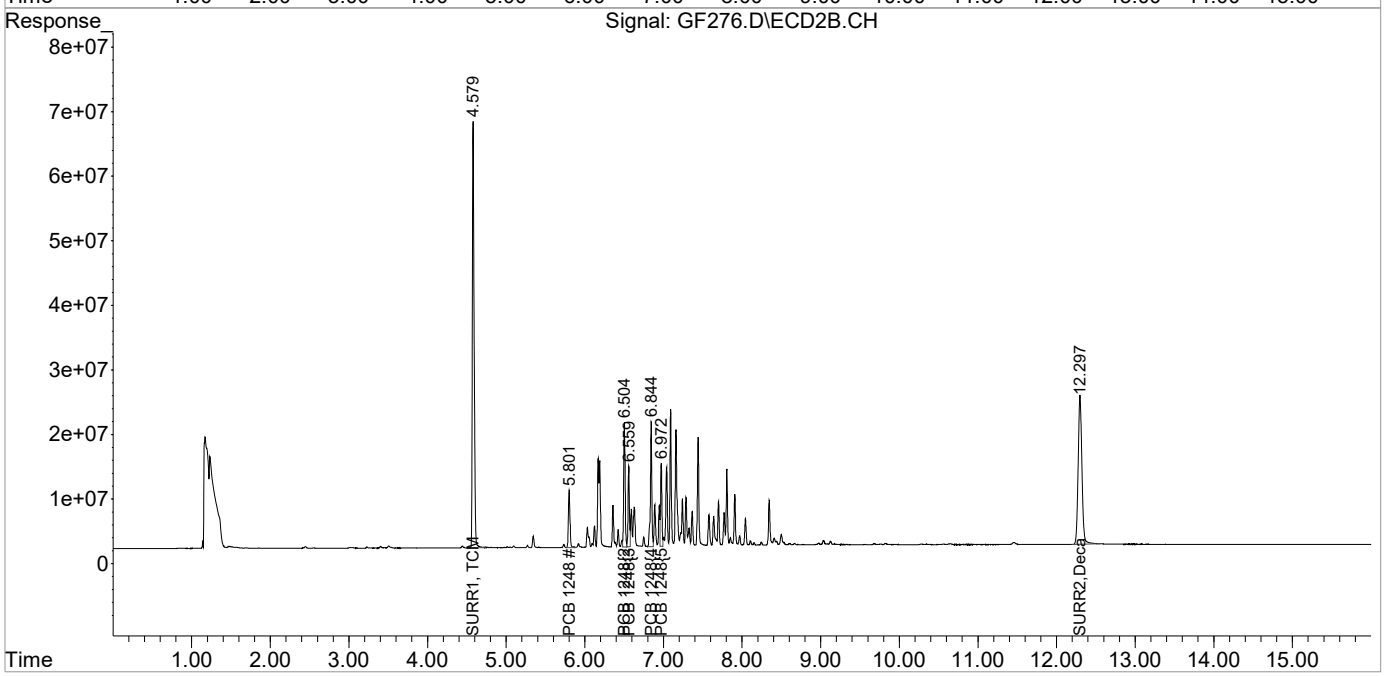
2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF276.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2019 12:11 am
Operator :
Sample : 1248 M
Misc : INITIAL CAL.
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:38:21 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:38:14 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m





2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF277.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2019 12:31 am
Operator :
Sample : 1248 MH
Misc : INITIAL CAL.
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:38:57 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:38:49 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
System Monitoring Compounds						
1) S SURR1, TCMX	4.502	4.580	2607.5E6	1298.9E6	74.779	73.941
Spiked Amount 100.000	Range 30 - 150		Recovery =		74.78%	73.94%
2) S SURR2,Dec...	11.260	12.296	1680.1E6	989.8E6	56.213	55.422
Spiked Amount 100.000	Range 30 - 150		Recovery =		56.21%	55.42%
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
23) L5c PCB 1248	5.557	5.801	340.5E6	176.0E6	611.631	607.715
24) L5c PCB 1248{2}	6.014	6.505	875.6E6	346.0E6	624.090	601.197
25) L5c PCB 1248{3}	6.160	6.559	330.7E6	205.3E6	598.554	604.948
26) L5c PCB 1248{4}	6.613	6.845	865.6E6	357.3E6	619.875	604.982
27) L5c PCB 1248{5}	6.711	6.973	728.4E6	214.8E6	641.950	617.090
Sum PCB 1248			3140.8E6	1299.6E6	3096.100	3035.933
Average PCB 1248					619.220	607.187
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

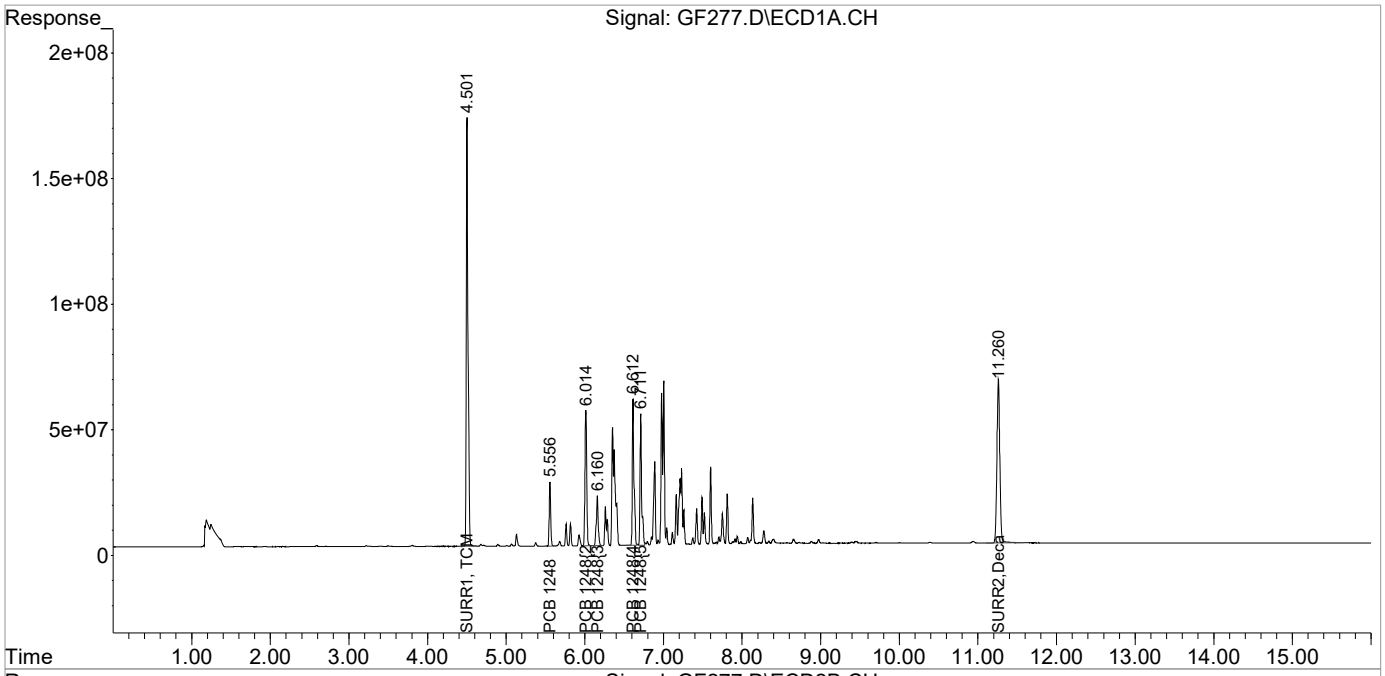
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

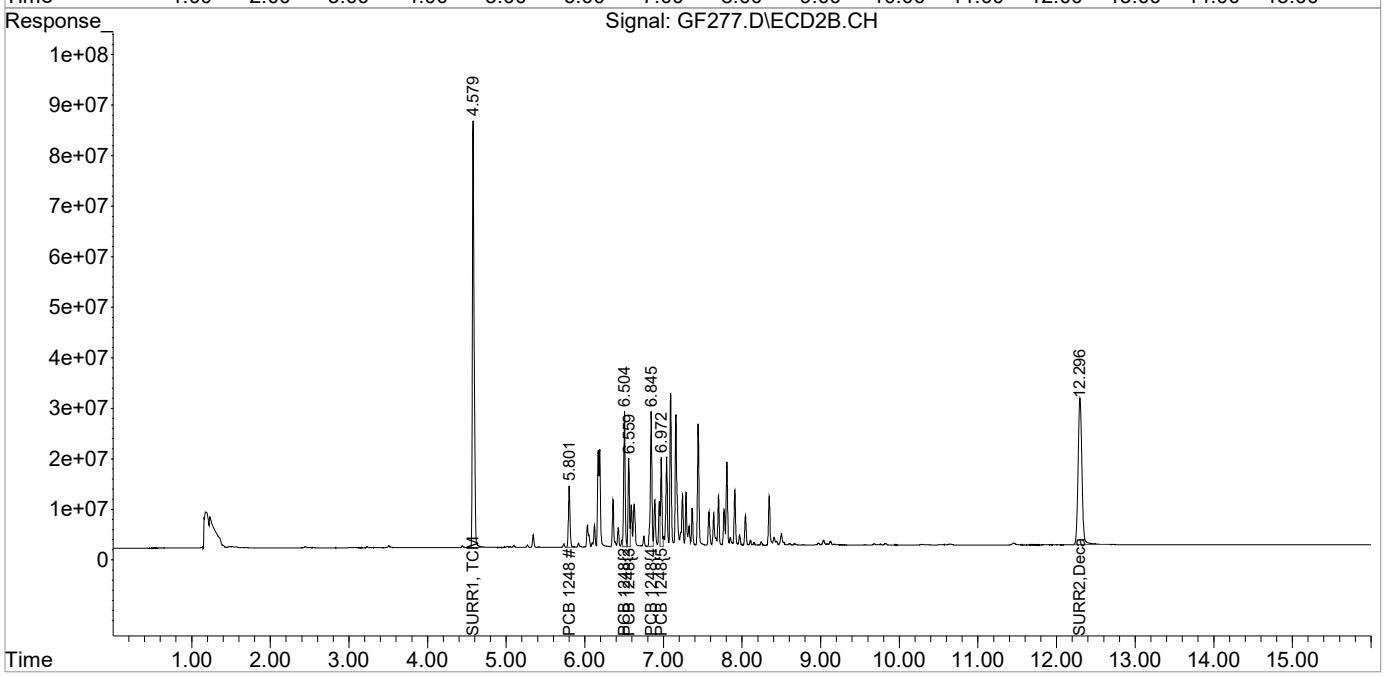
2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF277.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2019 12:31 am
Operator :
Sample : 1248 MH
Misc : INITIAL CAL.
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:38:57 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:38:49 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m





2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF278.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2019 12:50 am
Operator :
Sample : 1248 H
Misc : INITIAL CAL.
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:39:31 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:39:24 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
System Monitoring Compounds						
1) S SURR1, TCMX	4.501	4.580	3437.7E6	1712.2E6	98.671	97.453
Spiked Amount 100.000	Range 30 - 150	Recovery =			98.67%	97.45%
2) S SURR2,Dec...	11.258	12.296	2243.6E6	1322.9E6	81.329	80.127
Spiked Amount 100.000	Range 30 - 150	Recovery =			81.33%	80.13%
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
23) L5c PCB 1248	5.556	5.802	472.7E6	243.6E6	881.681	873.994
24) L5c PCB 1248{2}	6.013	6.504	1226.9E6	482.4E6	904.846	872.783
25) L5c PCB 1248{3}	6.160	6.559	457.1E6	284.9E6	862.132	873.357
26) L5c PCB 1248{4}	6.613	6.844	1207.2E6	500.1E6	895.498	880.714
27) L5c PCB 1248{5}	6.711	6.973	1023.4E6	302.5E6	928.730	900.681
Sum PCB 1248			4387.2E6	1813.5E6	4472.887	4401.529
Average PCB 1248					894.577	880.306
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

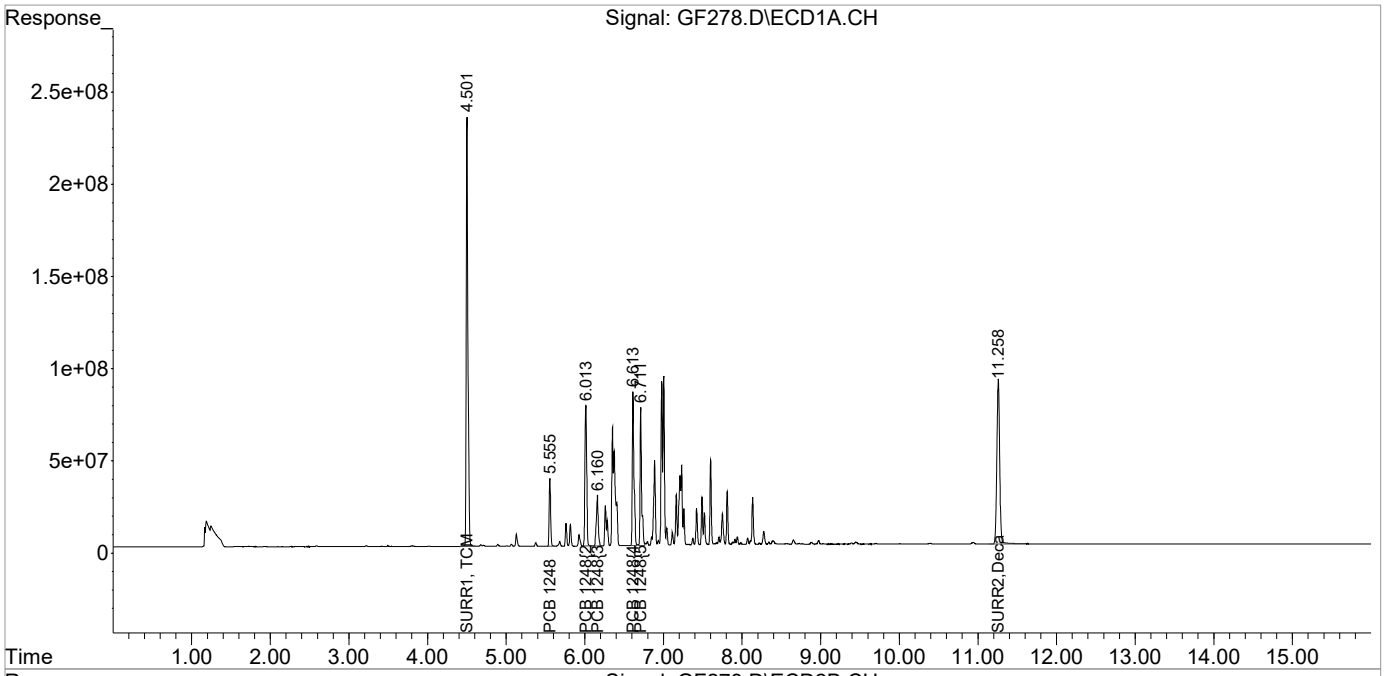
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

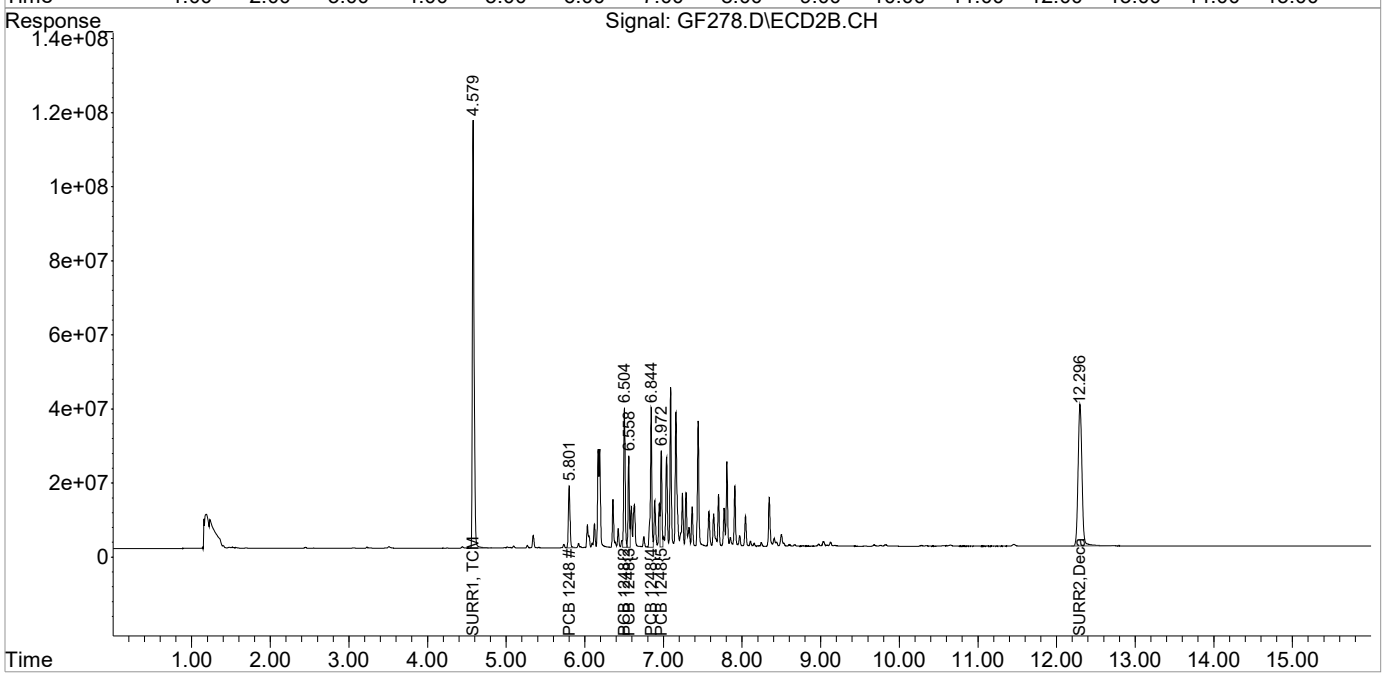
2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF278.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2019 12:50 am
Operator :
Sample : 1248 H
Misc : INITIAL CAL.
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:39:31 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:39:24 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m





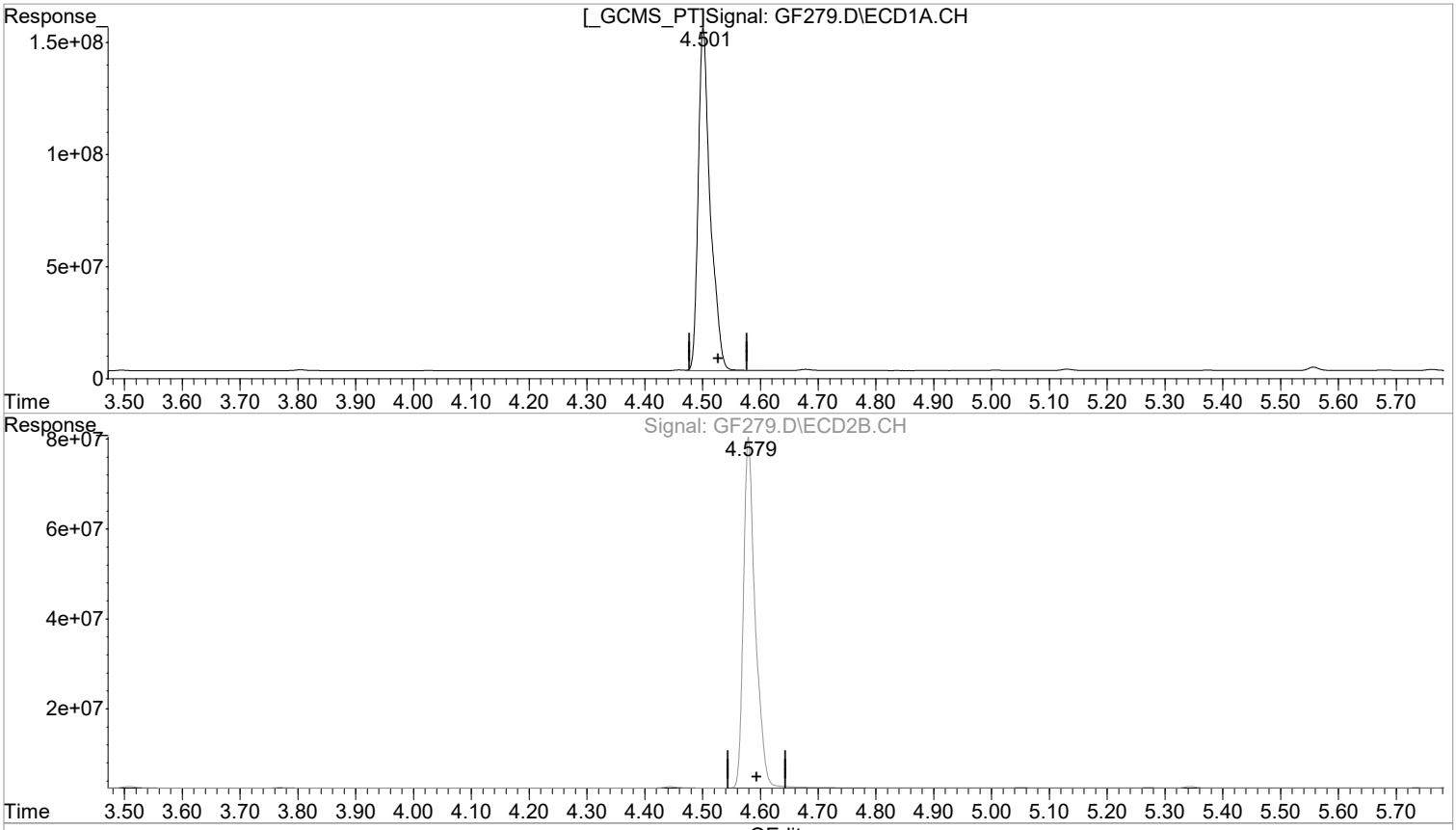
Quantitation Report (Qedit)

2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF279.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2019 1:10 am
Operator :
Sample : 1262 M
Misc : INITIAL CAL.
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:03:42 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Wed May 29 12:02:43 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

(1) SURR1, TCMX (S)

4.501min 69.421 ug/l m

response 2211869384

(1) SURR1, TCMX #2 (S)

4.579min 59.220 ug/l m

response 1110781770

Manual Integration:

After

Poor integration.

06/06/19

(+) = Expected Retention Time

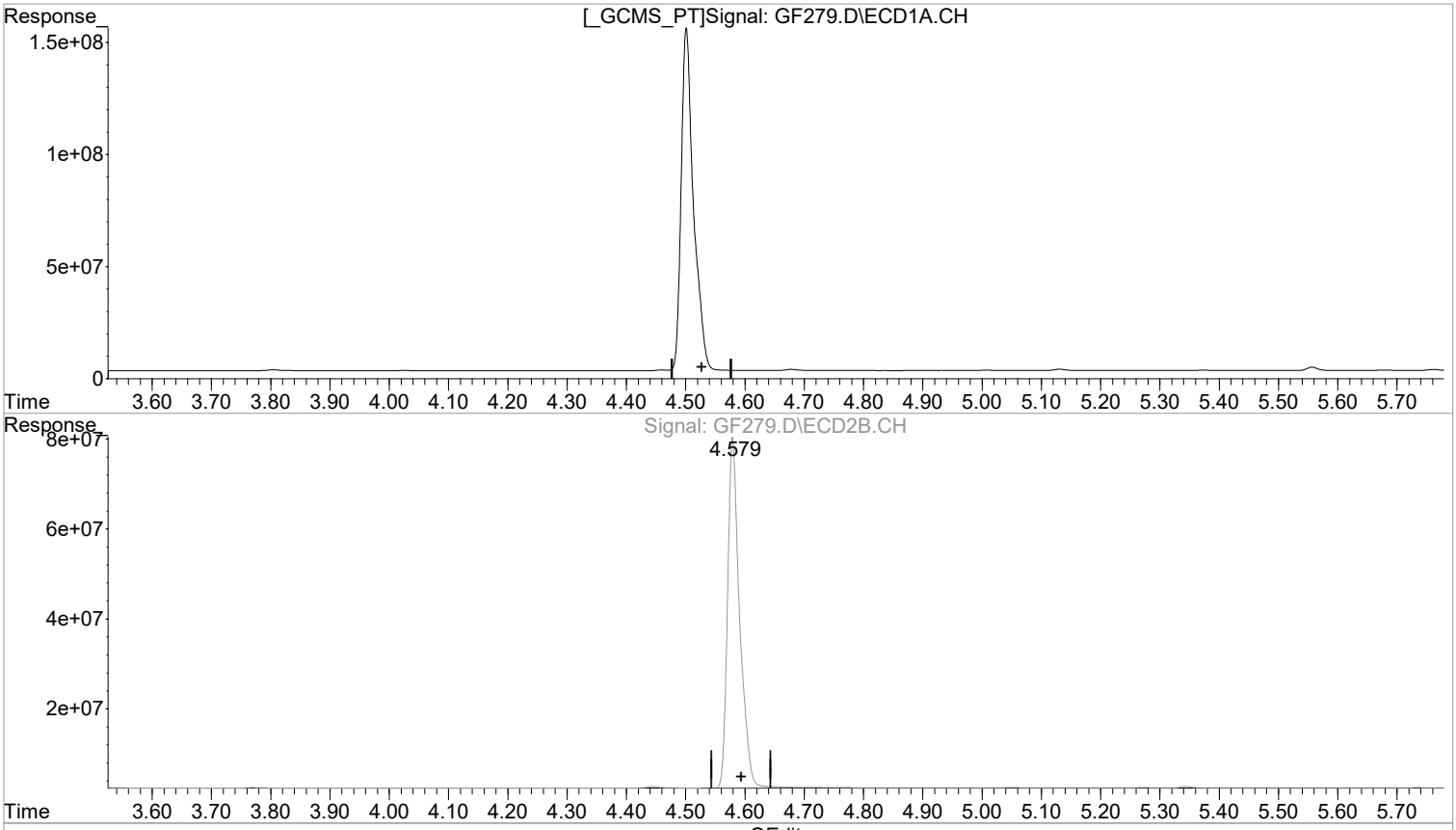
Quantitation Report (Qedit)

2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF279.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2019 1:10 am
Operator :
Sample : 1262 M
Misc : INITIAL CAL.
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:03:42 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Wed May 29 12:02:43 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

(1) SURR1, TCMX (S)

0.000min 0.000 ug/l

response 0

(1) SURR1, TCMX #2 (S)

4.579min 59.026 ug/l

response 1107140265

Manual Integration:

Before

06/06/19

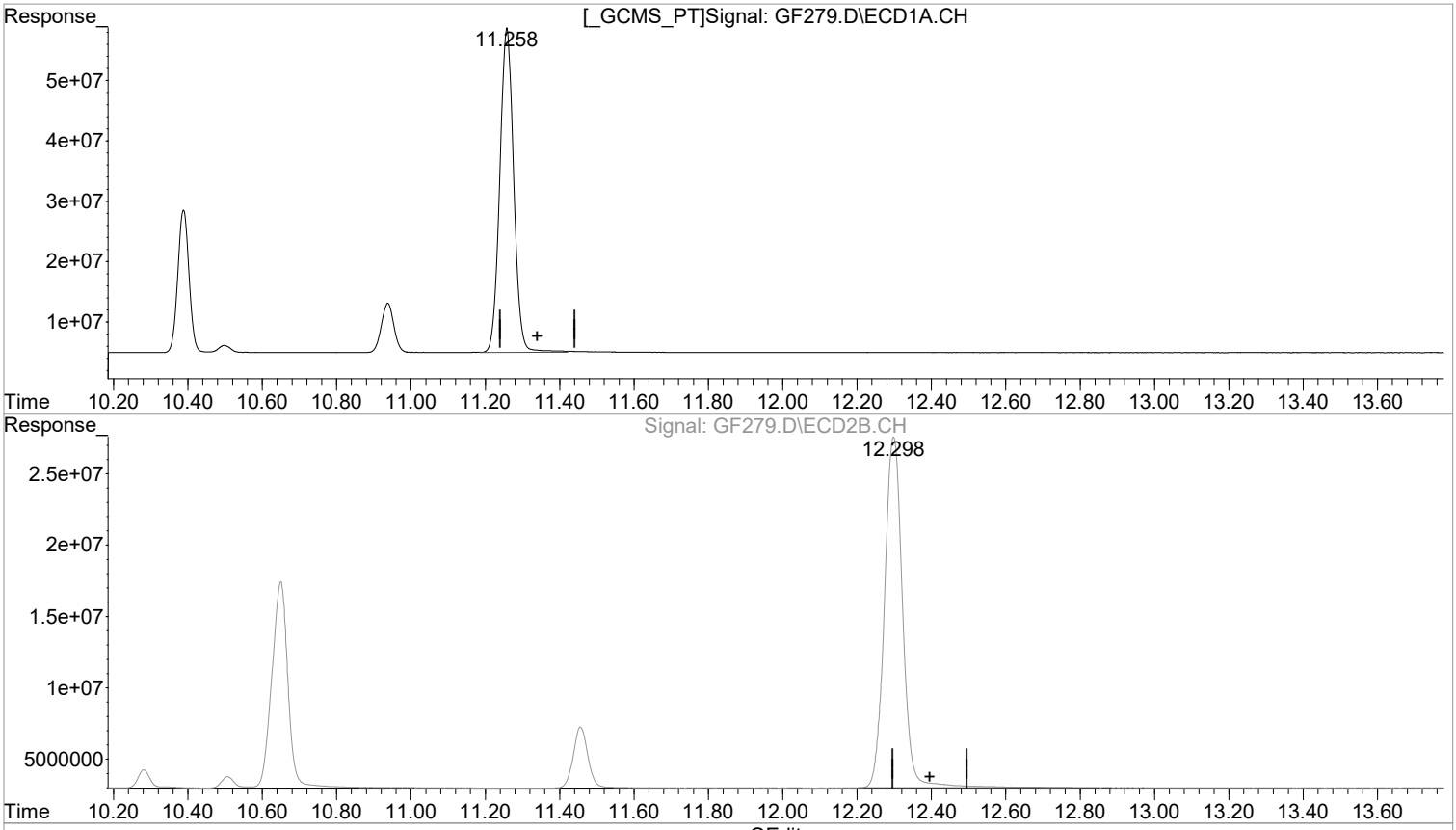
(+) = Expected Retention Time

2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF279.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2019 1:10 am
Operator :
Sample : 1262 M
Misc : INITIAL CAL.
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:03:42 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Wed May 29 12:02:43 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

(2) SURR2,Decachlorobiphenyl (S)

11.258min 61.454 ug/l m

response 1404019468

(2) SURR2,Decachlorobiphenyl #2 (S)

12.298min 54.867 ug/l m

response 843555088

Manual Integration:

After

Poor integration.

06/06/19

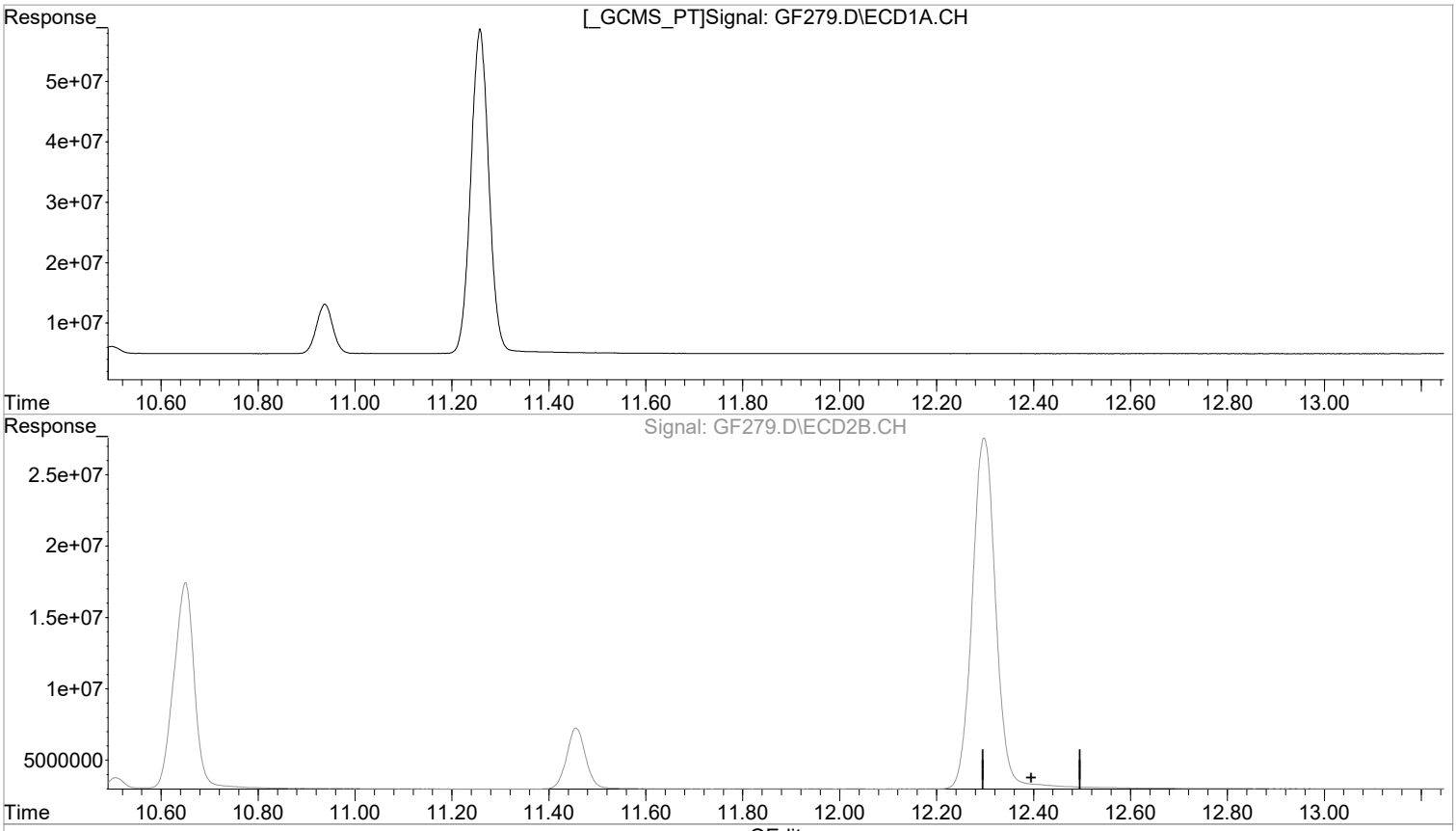
(+) = Expected Retention Time

2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF279.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2019 1:10 am
Operator :
Sample : 1262 M
Misc : INITIAL CAL.
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:03:42 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Wed May 29 12:02:43 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

(2) SURR2,Decachlorobiphenyl (S)

0.000min 0.000 ug/l

response 0

Manual Integration:

Before

06/06/19

(2) SURR2,Decachlorobiphenyl #2 (S)

0.000min 0.000 ug/l

response 0

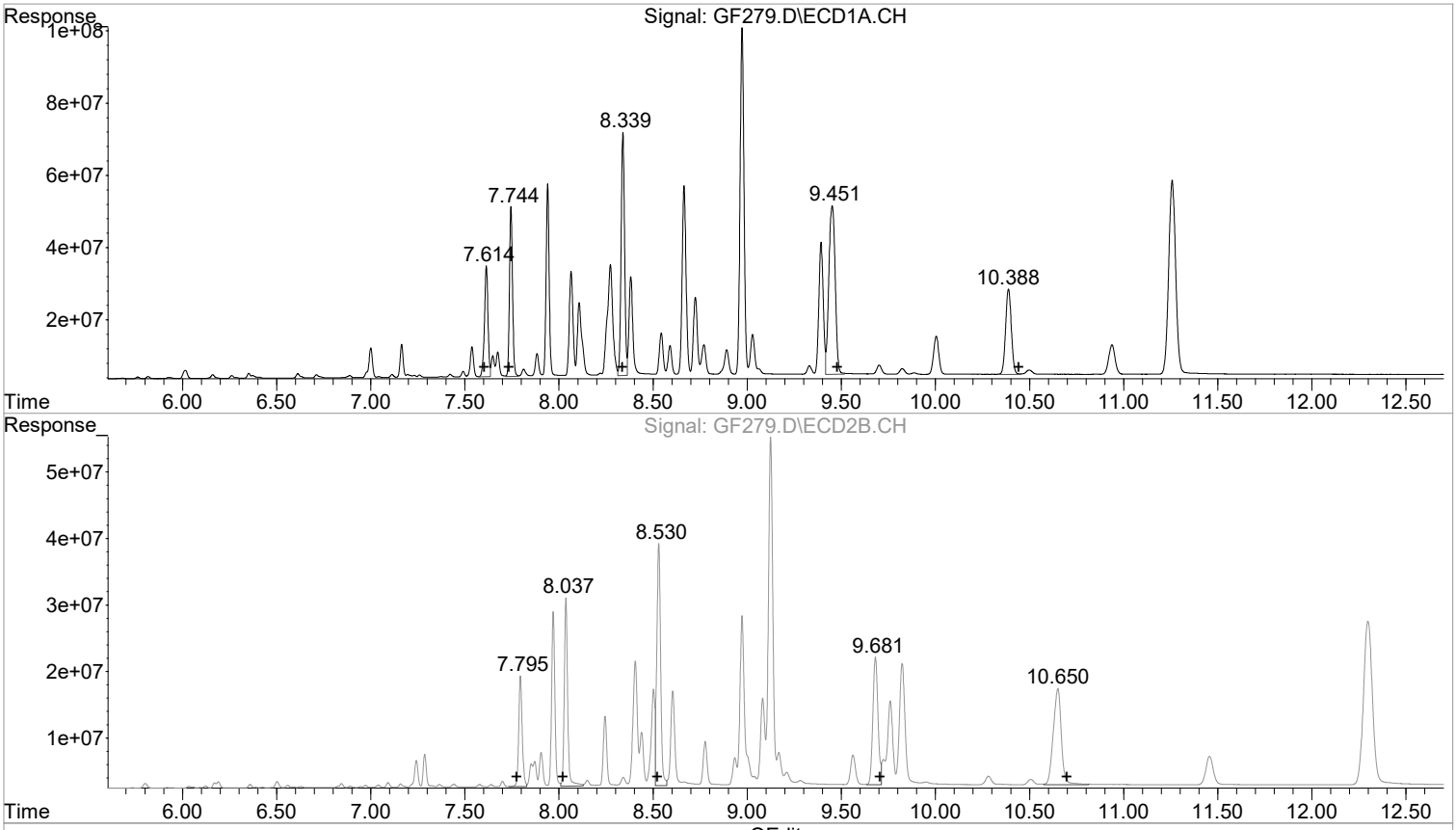
(+) = Expected Retention Time

2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF279.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2019 1:10 am
Operator :
Sample : 1262 M
Misc : INITIAL CAL.
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:03:42 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Wed May 29 12:02:43 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

(43) PCB 1262 (L9C)

R.T.	Response	Conc
7.61	393076138	539.47
7.74	541066545	517.79
8.34	844490155	505.68
9.45	1095060385	475.81
10.39	498523387	471.44

(43) PCB 1262 #2 (L9C)

R.T.	Response	Conc
7.80	215289222	481.10
8.04	354733705	475.66
8.53	513246132	442.14
9.68	363253256	463.66
10.65	434189433	445.78

Manual Integration:

After

Wrong peak selected.

06/06/19

(+) = Expected Retention Time

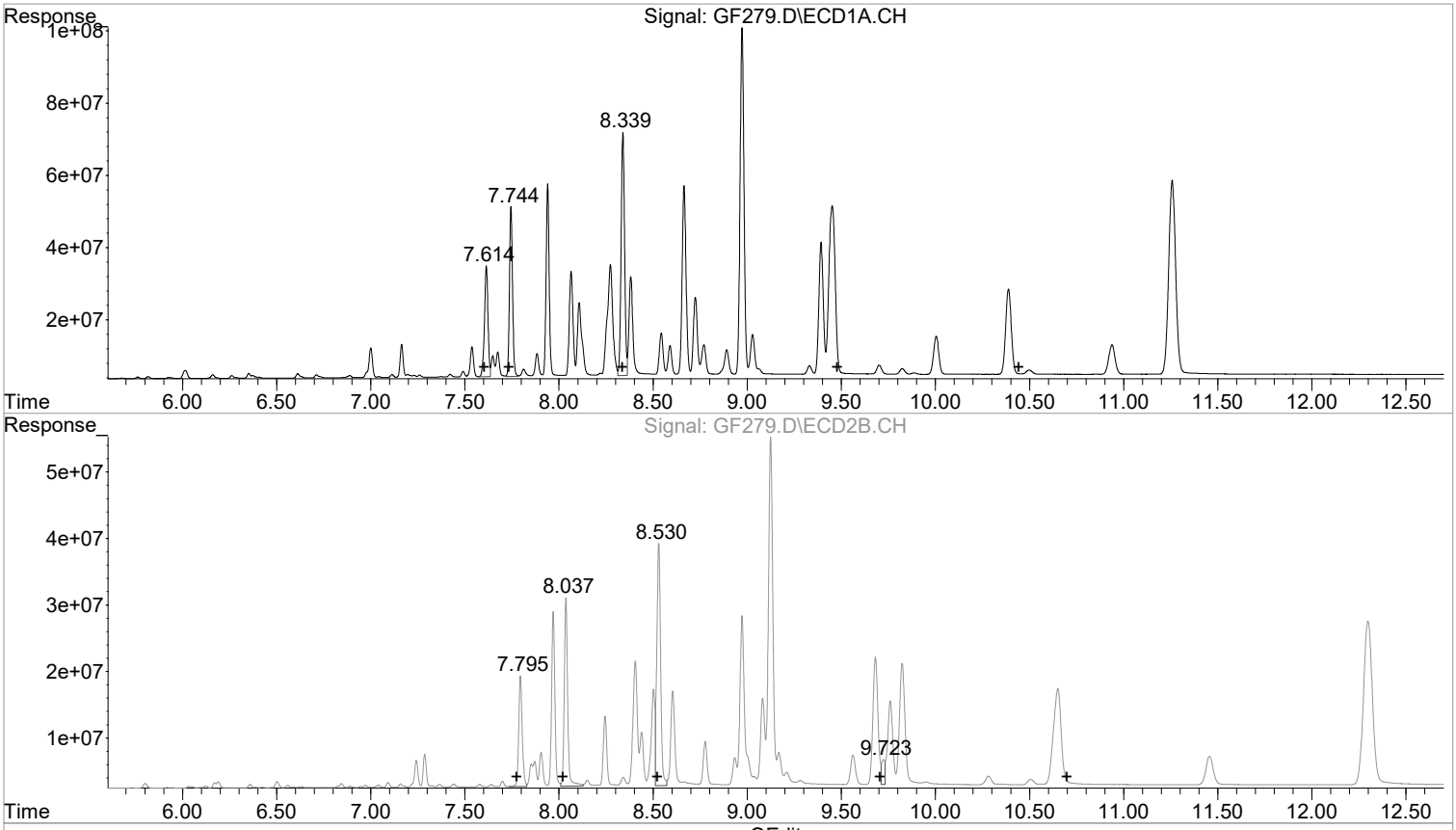
Quantitation Report (Qedit)

2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF279.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2019 1:10 am
Operator :
Sample : 1262 M
Misc : INITIAL CAL.
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:03:42 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Wed May 29 12:02:43 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

(43) PCB 1262 (L9C)

R.T.	Response	Conc
7.61	393076138	539.47
7.74	541066545	517.79
8.34	844490155	505.68
0.00	0	0.00
0.00	0	0.00

(43) PCB 1262 #2 (L9C)

R.T.	Response	Conc
7.80	215289222	481.10
8.04	354733705	475.66
8.53	513246132	442.14
9.72	44270449	56.51
0.00	0	0.00

Manual Integration:

Before

06/06/19

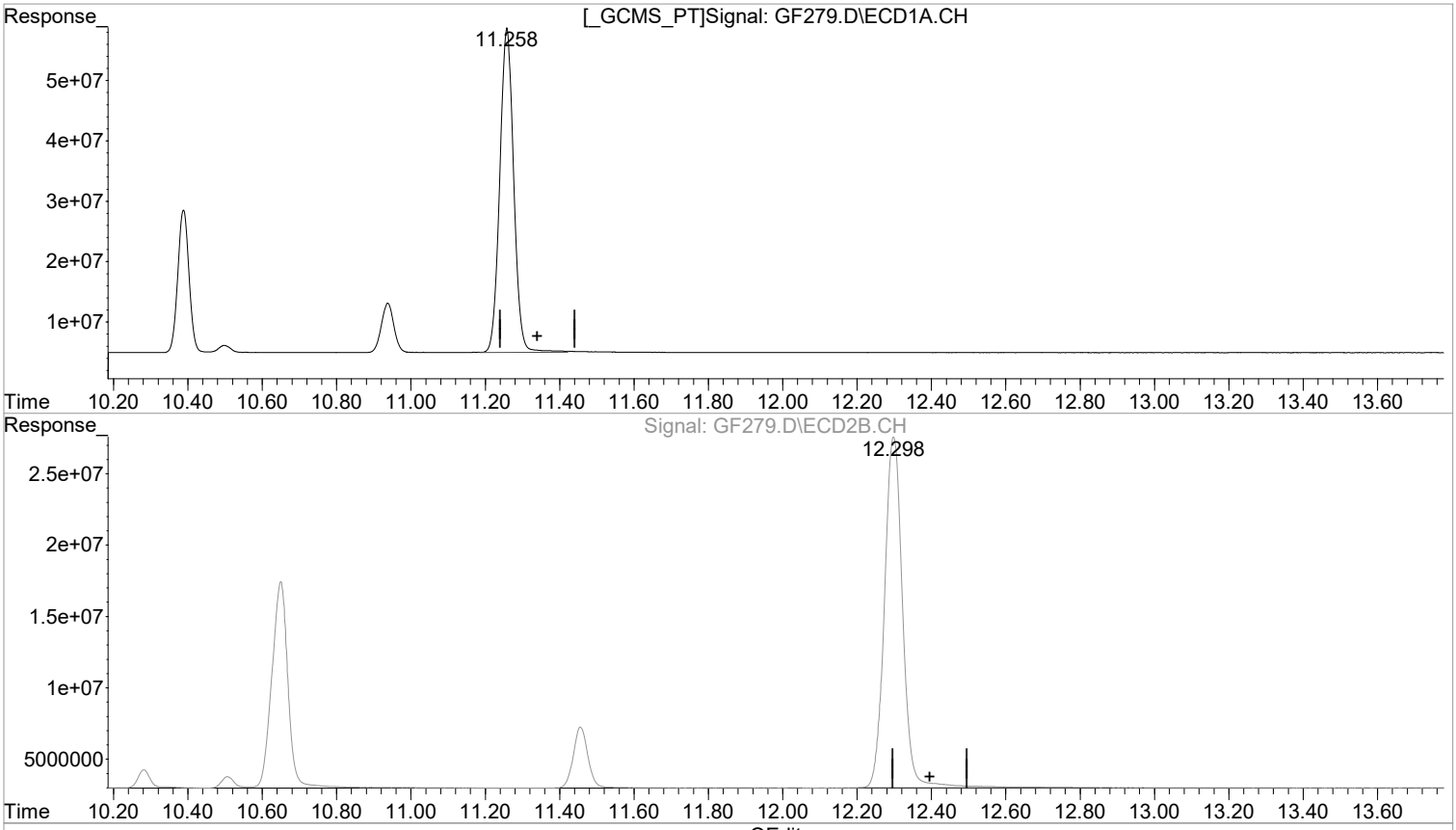
(+) = Expected Retention Time

2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF279.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2019 1:10 am
Operator :
Sample : 1262 M
Misc : INITIAL CAL.
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:03:42 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Wed May 29 12:02:43 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

(2) SURR2,Decachlorobiphenyl (S)

11.258min 61.454 ug/l m

response 1404019468

(2) SURR2,Decachlorobiphenyl #2 (S)

12.298min 54.867 ug/l m

response 843555088

Manual Integration:

After

Peak not found.

06/06/19

(+) = Expected Retention Time

2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF279.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2019 1:10 am
Operator :
Sample : 1262 M
Misc : INITIAL CAL.
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:03:42 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Wed May 29 12:02:43 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
System Monitoring Compounds						
1) S SURR1, TCMX	4.501f	4.579	2211.9E6	1110.8E6	69.421m	59.220m
Spiked Amount 100.000	Range 30 - 150	Recovery =			69.42%	59.22%
2) S SURR2,Dec...	11.258f	12.298f	1404.0E6	843.6E6	61.454m	54.867m
Spiked Amount 100.000	Range 30 - 150	Recovery =			61.45%	54.87%
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
43) L9C PCB 1262	7.614	7.795	393.1E6	215.3E6	539.469	481.104
44) L9C PCB 1262{2}	7.745	8.037	541.1E6	354.7E6	517.787	475.664
45) L9C PCB 1262{3}	8.340	8.530	844.5E6	513.2E6	505.676	442.138
46) L9C PCB 1262{4}	9.451	9.681	1095.1E6	363.3E6	475.812m	463.663m
47) L9C PCB 1262{5}	10.388	10.650	498.5E6	434.2E6	471.437m	445.777m
Sum PCB 1262			3372.2E6	1880.7E6	2510.180	2308.347
Average PCB 1262					502.036	461.669

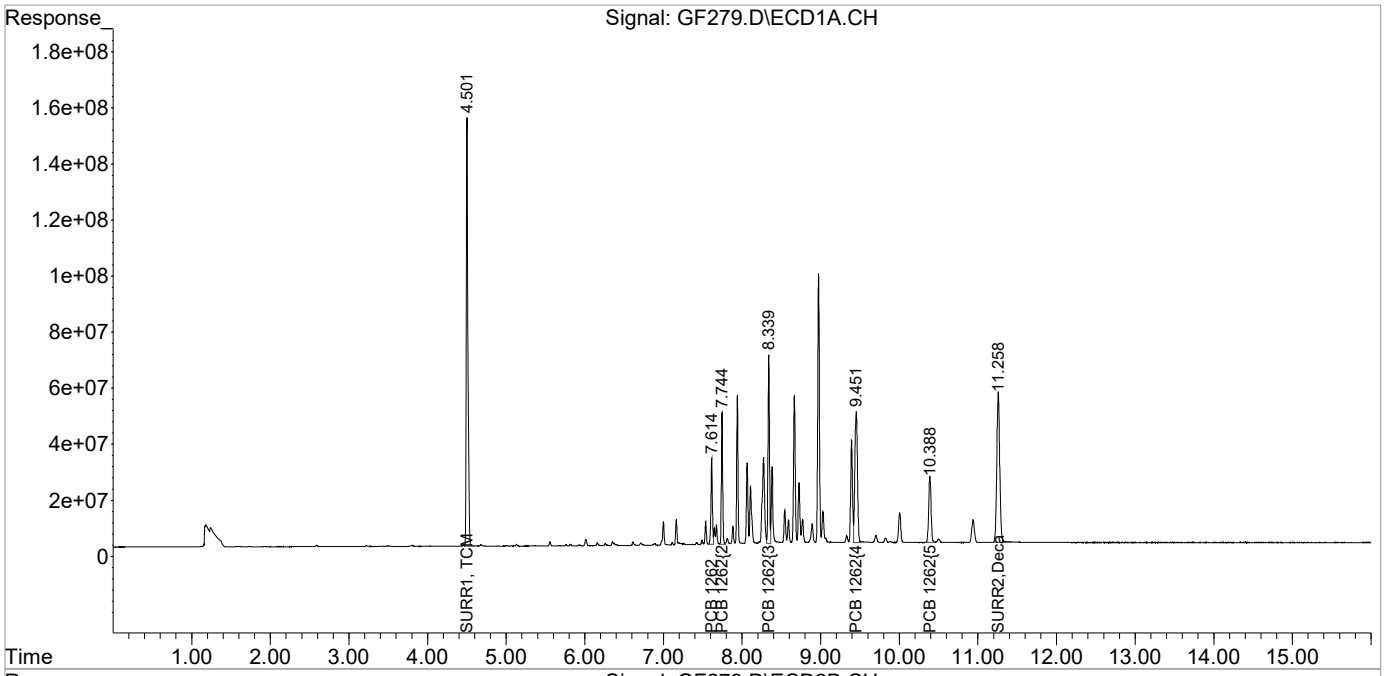
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

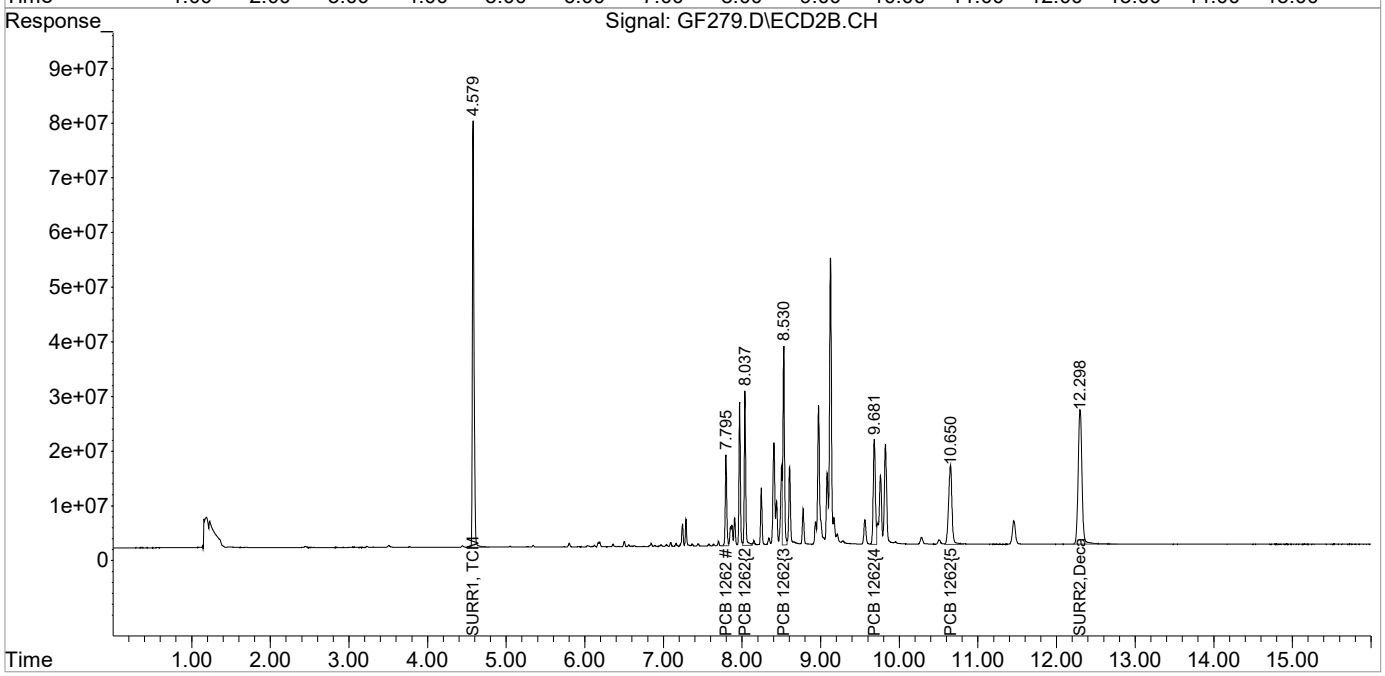
2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF279.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2019 1:10 am
Operator :
Sample : 1262 M
Misc : INITIAL CAL.
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:03:42 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Wed May 29 12:02:43 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m





Evaluate Continuing Calibration Report

2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF280.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 06 Jun 2019   1:30 am
Operator :
Sample   : 1660 ICV
Misc   : INITIAL CAL.
ALS Vial : 33   Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:45:37 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:45:07 2019
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 2uL
Signal #1 Phase : DB-1701   Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m   Signal #2 Info : 0.32mm 30m

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
3	L1c PCB 1016	500.000	546.112	-9.2	127	0.00
4	L1c PCB 1016{2}	500.000	545.083	-9.0	126	0.00
5	L1c PCB 1016{3}	500.000	563.663	-12.7	128	0.00
6	L1c PCB 1016{4}	500.000	543.364	-8.7	127	0.00
7	L1c PCB 1016{5}	500.000	560.215	-12.0	130	0.00
33	L7c PCB 1260	500.000	579.571	-15.9#	134	0.00
34	L7c PCB 1260{2}	500.000	575.117	-15.0#	133	0.00
35	L7c PCB 1260{3}	500.000	520.666	-4.1	121	0.00
36	L7C PCB 1260{4}	500.000	518.558	-3.7	119	0.00
37	L7C PCB 1260{5}	500.000	426.998	14.6	99	0.00

Signal #2

3	L1c PCB 1016	500.000	558.860	-11.8	127	0.00
4	L1c PCB 1016{2}	500.000	558.852	-11.8	128	0.00
5	L1c PCB 1016{3}	500.000	556.831	-11.4	127	0.00
6	L1c PCB 1016{4}	500.000	554.605	-10.9	126	0.00
7	L1c PCB 1016{5}	500.000	552.722	-10.5	126	0.00
33	L7c PCB 1260	500.000	601.386	-20.3#	138	0.00
34	L7c PCB 1260{2}	500.000	530.552	-6.1	118	0.00
35	L7c PCB 1260{3}	500.000	529.133	-5.8	117	0.00
36	L7C PCB 1260{4}	500.000	548.602	-9.7	124	0.00
37	L7C PCB 1260{5}	500.000	443.773	11.2	101	0.00

Evaluate Continuing Calibration Report - Not Founds

1	S SURR1, TCMX	60.000	0.000	100.0#	0	-4.50#
2	S SURR2,Decachlorobiphenyl	60.000	0.000	100.0#	0	-11.26#
8	L2c PCB 1221	500.000	0.000	100.0#	0	-4.89#
9	L2c PCB 1221{2}	500.000	0.000	100.0#	0	-5.07#
10	L2c PCB 1221{3}	500.000	0.000	100.0#	0	-5.13#
11	L2c PCB 1221{4}	500.000	0.000	100.0#	0	-5.56#
12	L2c PCB 1221{5}	500.000	0.000	100.0#	0	-6.35#
13	L3c PCB 1232	500.000	0.000	100.0#	0	-5.13#
14	L3c PCB 1232{2}	500.000	0.000	100.0#	0	-5.56#
15	L3c PCB 1232{3}	500.000	0.000	100.0#	0	-6.02#
16	L3c PCB 1232{4}	500.000	0.000	100.0#	0	-6.16#
17	L3c PCB 1232{5}	500.000	0.000	100.0#	0	-6.61#
18	L4c PCB 1242	500.000	0.000	100.0#	0	-5.13#
19	L4c PCB 1242{2}	500.000	0.000	100.0#	0	-5.82#
20	L4c PCB 1242{3}	500.000	0.000	100.0#	0	-6.02#
21	L4c PCB 1242{4}	500.000	0.000	100.0#	0	-6.61#
22	L4c PCB 1242{5}	500.000	0.000	100.0#	0	-6.71#
23	L5c PCB 1248	500.000	0.000	100.0#	0	-5.56#

2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF280.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2019 1:30 am
Operator :
Sample : 1660 ICV
Misc : INITIAL CAL.
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:45:37 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:45:07 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
24	L5c PCB 1248{2}	500.000	0.000	100.0#	0	-6.01#
25	L5c PCB 1248{3}	500.000	0.000	100.0#	0	-6.16#
26	L5c PCB 1248{4}	500.000	0.000	100.0#	0	-6.61#
27	L5c PCB 1248{5}	500.000	0.000	100.0#	0	-6.71#
28	L6c PCB 1254	500.000	0.000	100.0#	0	-7.42#
29	L6c PCB 1254{2}	500.000	0.000	100.0#	0	-7.49#
30	L6c PCB 1254{3}	500.000	0.000	100.0#	0	-7.60#
31	L6c PCB 1254{4}	500.000	0.000	100.0#	0	-7.75#
32	L6c PCB 1254{5}	500.000	0.000	100.0#	0	-8.65#
38	L8C PCB 1268	500.000	0.000	100.0	0	-8.34#
39	L8C PCB 1268{2}	500.000	0.000	100.0	0	-8.59#
40	L8C PCB 1268{3}	500.000	0.000	100.0	0	-9.70#
41	L8C PCB 1268{4}	500.000	0.000	100.0	0	-9.83#
42	L8C PCB 1268{5}	500.000	0.000	100.0	0	-10.39#
43	L9C PCB 1262	500.000	0.000	100.0	0	-7.61#
44	L9C PCB 1262{2}	500.000	0.000	100.0	0	-7.74#
45	L9C PCB 1262{3}	500.000	0.000	100.0	0	-8.34#
46	L9C PCB 1262{4}	500.000	0.000	100.0	0	-9.45#
47	L9C PCB 1262{5}	500.000	0.000	100.0	0	-10.39#

Signal #2

1	S SURR1, TCMX	60.000	0.000	100.0#	0	-4.58#
2	S SURR2,Decachlorobiphenyl	60.000	0.000	100.0#	0	-12.30#
8	L2c PCB 1221	500.000	0.000	100.0#	0	-4.25#
9	L2c PCB 1221{2}	500.000	0.000	100.0#	0	-5.10#
10	L2c PCB 1221{3}	500.000	0.000	100.0#	0	-5.27#
11	L2c PCB 1221{4}	500.000	0.000	100.0#	0	-5.34#
12	L2c PCB 1221{5}	500.000	0.000	100.0#	0	-5.42#
13	L3c PCB 1232	500.000	0.000	100.0#	0	-5.27#
14	L3c PCB 1232{2}	500.000	0.000	100.0#	0	-5.34#
15	L3c PCB 1232{3}	500.000	0.000	100.0#	0	-5.80#
16	L3c PCB 1232{4}	500.000	0.000	100.0#	0	-7.09#
17	L3c PCB 1232{5}	500.000	0.000	100.0#	0	-7.16#
18	L4c PCB 1242	500.000	0.000	100.0#	0	-5.34#
19	L4c PCB 1242{2}	500.000	0.000	100.0#	0	-5.80#
20	L4c PCB 1242{3}	500.000	0.000	100.0#	0	-6.85#
21	L4c PCB 1242{4}	500.000	0.000	100.0#	0	-7.16#
22	L4c PCB 1242{5}	500.000	0.000	100.0#	0	-7.44#
23	L5c PCB 1248	500.000	0.000	100.0#	0	-5.80#
24	L5c PCB 1248{2}	500.000	0.000	100.0#	0	-6.50#
25	L5c PCB 1248{3}	500.000	0.000	100.0#	0	-6.56#
26	L5c PCB 1248{4}	500.000	0.000	100.0#	0	-6.84#
27	L5c PCB 1248{5}	500.000	0.000	100.0#	0	-6.97#

2nd BA 06/07/19

Data Path : I:\ACQUDATA\6890D\DATA\060519\
Data File : GF280.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 06 Jun 2019   1:30 am
Operator :
Sample   : 1660 ICV
Misc   : INITIAL CAL.
ALS Vial : 33   Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jun 06 09:45:37 2019
Quant Method : I:\ACQUDATA\6890D\METHODS\D-PCB060519.M
Quant Title : 608.3/8082 PCB'S
QLast Update : Thu Jun 06 09:45:07 2019
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 2uL
Signal #1 Phase : DB-1701   Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m   Signal #2 Info : 0.32mm 30m

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
28	L6c PCB 1254	500.000	0.000	100.0#	0	-7.29#
29	L6c PCB 1254{2}	500.000	0.000	100.0#	0	-7.70#
30	L6c PCB 1254{3}	500.000	0.000	100.0#	0	-7.91#
31	L6c PCB 1254{4}	500.000	0.000	100.0#	0	-8.50#
32	L6c PCB 1254{5}	500.000	0.000	100.0#	0	-9.04#
38	L8C PCB 1268	500.000	0.000	100.0	0	-8.53#
39	L8C PCB 1268{2}	500.000	0.000	100.0	0	-8.94#
40	L8C PCB 1268{3}	500.000	0.000	100.0	0	-10.28#
41	L8C PCB 1268{4}	500.000	0.000	100.0	0	-10.51#
42	L8C PCB 1268{5}	500.000	0.000	100.0	0	-10.65#
43	L9C PCB 1262	500.000	0.000	100.0	0	-7.80#
44	L9C PCB 1262{2}	500.000	0.000	100.0	0	-8.04#
45	L9C PCB 1262{3}	500.000	0.000	100.0	0	-8.53#
46	L9C PCB 1262{4}	500.000	0.000	100.0	0	-9.68#
47	L9C PCB 1262{5}	500.000	0.000	100.0	0	-10.65#

(#) = Out of Range SPCC's out = 0 CCC's out = 53

Analysis: 8082 Analyst: A. Moses Run Method: 8082a.m

Date: 6/5/19 Instr. 6890D R-GC-54 Quant Method: D-RCB060519.m

Syringes: LIMS Run#: RC190605 59

Pos.	Sample	Diln.	Stds. ID	File#	OK?	Comments
	BLK			GF246-47	—	
	BLK			GF248	✓	
	AR 1660 LL		199668	49	✓	
	L		667	50	✓	
	ML		666	51	✓	
	M		075	52	✓	
	MH		665	53	✓	
	H		664	54	✓	
	AR 1221/54 LL		692	55	✓	
	L		691	56	✓	
	ML		690	57	✓	
	M		689	58	✓	
	MH		688	59	✓	
	H		687	60	✓	
	AR 1232 LL		674	61	✓	
	L		673	62	✓	
	ML		672	63	✓	
	M		671	64	✓	
	MH		670	65	✓	
	H		669	66	✓	
	AR 1242/60 LL		680	67	✓	
	L		679	68	✓	
	ML		678	69	✓	
	M		677	70	✓	
	MH		676	71	✓	
	H		675	72	✓	
	AR 1248 LL		686	73	✓	
	L		685	74	✓	
	ML		684	75	✓	
	M		683	76	✓	
	MH		682	77	✓	
	H		681	78	✓	
	AR 1262 M		693	79	✓	
	AR 1660 ICV		197075	80	✓	
	AM 6/6					

All samples = _____mL + _____uL Combined IS/Surr.;

Primary :_____ exp: Secondary :_____ exp:

Primary:_____ exp: Secondary :_____ exp:

Reagents:

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility **Calibration Date:** 6/5/2019

Initial Calibration Summary
Low Level Polychlorinated Biphenyls (PCBs) by GC

Calibration ID: RC1900059 **Signal ID:** DB-17
Instrument ID: R-GC-54

#	Lab Code	Sample Name	File Location	Acquisition Date
01	RC1900059-01	1660 LL	I:\ACQUDATA\6890D\DATA\060519\GF249.D	06/05/2019 15:19
02	RC1900059-02	1660 L	I:\ACQUDATA\6890D\DATA\060519\GF250.D	06/05/2019 15:39
03	RC1900059-03	1660 ML	I:\ACQUDATA\6890D\DATA\060519\GF251.D	06/05/2019 15:59
04	RC1900059-04	1660 M	I:\ACQUDATA\6890D\DATA\060519\GF252.D	06/05/2019 16:18
05	RC1900059-05	1660 MH	I:\ACQUDATA\6890D\DATA\060519\GF253.D	06/05/2019 16:38
06	RC1900059-06	1660 H	I:\ACQUDATA\6890D\DATA\060519\GF254.D	06/05/2019 16:58
07	RC1900059-07	1221/54 LL	I:\ACQUDATA\6890D\DATA\060519\GF255.D	06/05/2019 17:17
08	RC1900059-08	1221/54 L	I:\ACQUDATA\6890D\DATA\060519\GF256.D	06/05/2019 17:37
09	RC1900059-09	1221/54 ML	I:\ACQUDATA\6890D\DATA\060519\GF257.D	06/05/2019 17:57
10	RC1900059-10	1221/54 M	I:\ACQUDATA\6890D\DATA\060519\GF258.D	06/05/2019 18:16
11	RC1900059-11	1221/54 MH	I:\ACQUDATA\6890D\DATA\060519\GF259.D	06/05/2019 18:36
12	RC1900059-12	1221/54 H	I:\ACQUDATA\6890D\DATA\060519\GF260.D	06/05/2019 18:56
13	RC1900059-13	1232 LL	I:\ACQUDATA\6890D\DATA\060519\GF261.D	06/05/2019 19:15
14	RC1900059-14	1232 L	I:\ACQUDATA\6890D\DATA\060519\GF262.D	06/05/2019 19:35
15	RC1900059-15	1232 ML	I:\ACQUDATA\6890D\DATA\060519\GF263.D	06/05/2019 19:55
16	RC1900059-16	1232 M	I:\ACQUDATA\6890D\DATA\060519\GF264.D	06/05/2019 20:15
17	RC1900059-17	1232 MH	I:\ACQUDATA\6890D\DATA\060519\GF265.D	06/05/2019 20:34
18	RC1900059-18	1232 H	I:\ACQUDATA\6890D\DATA\060519\GF266.D	06/05/2019 20:54
19	RC1900059-19	1242/68 LL	I:\ACQUDATA\6890D\DATA\060519\GF267.D	06/05/2019 21:14
20	RC1900059-20	1242/68 L	I:\ACQUDATA\6890D\DATA\060519\GF268.D	06/05/2019 21:33
21	RC1900059-21	1242/68 ML	I:\ACQUDATA\6890D\DATA\060519\GF269.D	06/05/2019 21:53
22	RC1900059-22	1242/68 M	I:\ACQUDATA\6890D\DATA\060519\GF270.D	06/05/2019 22:13
23	RC1900059-23	1242/68 MH	I:\ACQUDATA\6890D\DATA\060519\GF271.D	06/05/2019 22:32
24	RC1900059-24	1242/68 H	I:\ACQUDATA\6890D\DATA\060519\GF272.D	06/05/2019 22:52
25	RC1900059-25	1248 LL	I:\ACQUDATA\6890D\DATA\060519\GF273.D	06/05/2019 23:12
26	RC1900059-26	1248 L	I:\ACQUDATA\6890D\DATA\060519\GF274.D	06/05/2019 23:31
27	RC1900059-27	1248 ML	I:\ACQUDATA\6890D\DATA\060519\GF275.D	06/05/2019 23:51
28	RC1900059-28	1248 M	I:\ACQUDATA\6890D\DATA\060519\GF276.D	06/06/2019 00:11
29	RC1900059-29	1248 MH	I:\ACQUDATA\6890D\DATA\060519\GF277.D	06/06/2019 00:31
30	RC1900059-30	1248 H	I:\ACQUDATA\6890D\DATA\060519\GF278.D	06/06/2019 00:50
31	RC1900059-31	1262 M	I:\ACQUDATA\6890D\DATA\060519\GF279.D	06/06/2019 01:10

Analyte

Aroclor 1016 {1}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	3.082E5	02	100.000	2.66E5	03	250.000	2.596E5	04	500.000	2.246E5
05	750.000	2.434E5	06	1000.000	2.275E5						

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility **Calibration Date:** 6/5/2019

Initial Calibration Summary
Low Level Polychlorinated Biphenyls (PCBs) by GC

Calibration ID: RC1900059 **Signal ID:** DB-17
Instrument ID: R-GC-54

Analyte

Aroclor 1016 {2}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	7.862E5	02	100.000	6.238E5	03	250.000	6.102E5	04	500.000	5.33E5
05	750.000	5.787E5	06	1000.000	5.415E5						

Aroclor 1016 {3}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	4.522E5	02	100.000	3.732E5	03	250.000	3.686E5	04	500.000	3.225E5
05	750.000	3.504E5	06	1000.000	3.319E5						

Aroclor 1016 {4}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	7.267E5	02	100.000	5.841E5	03	250.000	5.774E5	04	500.000	5.091E5
05	750.000	5.551E5	06	1000.000	5.249E5						

Aroclor 1016 {5}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	5.245E5	02	100.000	4.243E5	03	250.000	4.213E5	04	500.000	3.687E5
05	750.000	3.97E5	06	1000.000	3.761E5						

Aroclor 1221 {1}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	1.601E5	08	100.000	1.46E5	09	250.000	1.224E5	10	500.000	1.249E5
11	750.000	1.197E5	12	1000.000	1.219E5						

Aroclor 1221 {2}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	1.971E5	08	100.000	2.003E5	09	250.000	1.67E5	10	500.000	1.789E5
11	750.000	1.748E5	12	1000.000	1.834E5						

Aroclor 1221 {3}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	1.444E5	08	100.000	1.335E5	09	250.000	1.127E5	10	500.000	1.189E5
11	750.000	1.155E5	12	1000.000	1.197E5						

Aroclor 1221 {4}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	4.512E5	08	100.000	4.147E5	09	250.000	3.398E5	10	500.000	3.644E5
11	750.000	3.539E5	12	1000.000	3.683E5						

Aroclor 1221 {5}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	6.29E4	08	100.000	6.094E4	09	250.000	5.388E4	10	500.000	5.767E4
11	750.000	5.699E4	12	1000.000	5.901E4						

Aroclor 1232 {1}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
13	20.000	1.079E5	14	100.000	1.072E5	15	250.000	9.21E4	16	500.000	7.685E4
17	750.000	7.619E4	18	1000.000	7.713E4						

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility **Calibration Date:** 6/5/2019

Initial Calibration Summary
Low Level Polychlorinated Biphenyls (PCBs) by GC

Calibration ID: RC1900059 **Signal ID:** DB-17
Instrument ID: R-GC-54

Analyte

Aroclor 1232 {2}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
13	20.000	3.915E5	14	100.000	3.829E5	15	250.000	3.166E5	16	500.000	2.675E5
17	750.000	2.645E5	18	1000.000	2.693E5						

Aroclor 1232 {3}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
13	20.000	3.64E5	14	100.000	3.664E5	15	250.000	3.147E5	16	500.000	2.712E5
17	750.000	2.676E5	18	1000.000	2.73E5						

Aroclor 1232 {4}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
13	20.000	1.911E5	14	100.000	1.749E5	15	250.000	1.568E5	16	500.000	1.336E5
17	750.000	1.34E5	18	1000.000	1.365E5						

Aroclor 1232 {5}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
13	20.000	2.236E5	14	100.000	2.139E5	15	250.000	1.967E5	16	500.000	1.669E5
17	750.000	1.681E5	18	1000.000	1.715E5						

Aroclor 1242 {1}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
19	20.000	2.422E5	20	100.000	2.302E5	21	250.000	2.46E5	22	500.000	2.179E5
23	750.000	2.097E5	24	1000.000	1.984E5						

Aroclor 1242 {2}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
19	20.000	5.569E5	20	100.000	5.231E5	21	250.000	5.482E5	22	500.000	4.902E5
23	750.000	4.74E5	24	1000.000	4.52E5						

Aroclor 1242 {3}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
19	20.000	4.128E5	20	100.000	4.009E5	21	250.000	4.134E5	22	500.000	3.718E5
23	750.000	3.617E5	24	1000.000	3.47E5						

Aroclor 1242 {4}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
19	20.000	4.059E5	20	100.000	3.956E5	21	250.000	4.137E5	22	500.000	3.748E5
23	750.000	3.628E5	24	1000.000	3.498E5						

Aroclor 1242 {5}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
19	20.000	3.097E5	20	100.000	3.182E5	21	250.000	3.35E5	22	500.000	3.076E5
23	750.000	3.02E5	24	1000.000	2.93E5						

Aroclor 1248 {1}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
25	20.000	3.32E5	26	100.000	3.125E5	27	250.000	2.615E5	28	500.000	2.527E5
29	750.000	2.347E5	30	1000.000	2.436E5						

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility **Calibration Date:** 6/5/2019

Initial Calibration Summary
Low Level Polychlorinated Biphenyls (PCBs) by GC

Calibration ID: RC1900059 **Signal ID:** DB-17
Instrument ID: R-GC-54

Analyte

Aroclor 1248 {2}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
25	20.000	6.896E5	26	100.000	6.117E5	27	250.000	5.083E5	28	500.000	4.927E5
29	750.000	4.614E5	30	1000.000	4.824E5						

Aroclor 1248 {3}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
25	20.000	3.997E5	26	100.000	3.631E5	27	250.000	3.009E5	28	500.000	2.937E5
29	750.000	2.737E5	30	1000.000	2.849E5						

Aroclor 1248 {4}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
25	20.000	6.991E5	26	100.000	6.283E5	27	250.000	5.268E5	28	500.000	5.084E5
29	750.000	4.764E5	30	1000.000	5.001E5						

Aroclor 1248 {5}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
25	20.000	3.969E5	26	100.000	3.648E5	27	250.000	3.109E5	28	500.000	3.03E5
29	750.000	2.865E5	30	1000.000	3.025E5						

Aroclor 1254 {1}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	7.496E5	08	100.000	6.765E5	09	250.000	5.426E5	10	500.000	6.066E5
11	750.000	6.064E5	12	1000.000	6.394E5						

Aroclor 1254 {2}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	4.989E5	08	100.000	4.776E5	09	250.000	3.901E5	10	500.000	4.499E5
11	750.000	4.563E5	12	1000.000	4.839E5						

Aroclor 1254 {3}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	7.705E5	08	100.000	7.304E5	09	250.000	5.63E5	10	500.000	6.457E5
11	750.000	6.596E5	12	1000.000	7.02E5						

Aroclor 1254 {4}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	8.38E5	08	100.000	7.445E5	09	250.000	5.83E5	10	500.000	6.86E5
11	750.000	7.09E5	12	1000.000	7.519E5						

Aroclor 1254 {5}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	3.015E5	08	100.000	3.171E5	09	250.000	2.437E5	10	500.000	2.802E5
11	750.000	2.904E5	12	1000.000	3.145E5						

Aroclor 1260 {1}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	9.931E5	02	100.000	8.032E5	03	250.000	8.147E5	04	500.000	6.98E5
05	750.000	7.576E5	06	1000.000	7.213E5						

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility **Calibration Date:** 6/5/2019

Initial Calibration Summary
Low Level Polychlorinated Biphenyls (PCBs) by GC

Calibration ID: RC1900059 **Signal ID:** DB-17
Instrument ID: R-GC-54

Analyte

Aroclor 1260 {2}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	8.572E5	02	100.000	6.71E5	03	250.000	6.999E5	04	500.000	6.09E5
05	750.000	6.202E5	06	1000.000	6.166E5						

Aroclor 1260 {3}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	1.687E6	02	100.000	1.308E6	03	250.000	1.382E6	04	500.000	1.213E6
05	750.000	1.243E6	06	1000.000	1.232E6						

Aroclor 1260 {4}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	9.02E5	02	100.000	7.071E5	03	250.000	7.318E5	04	500.000	6.342E5
05	750.000	6.511E5	06	1000.000	6.667E5						

Aroclor 1260 {5}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	7.381E5	02	100.000	5.576E5	03	250.000	5.92E5	04	500.000	5.102E5
05	750.000	5.482E5	06	1000.000	5.265E5						

Decachlorobiphenyl

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	2.000	1.649E7	02	20.000	1.181E7	03	40.000	1.236E7	04	60.000	1.092E7
05	80.000	1.133E7	06	100.000	1.1E7						

Tetrachloro-m-xylene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	2.000	1.835E7	02	20.000	1.503E7	03	40.000	1.563E7	04	60.000	1.433E7
05	80.000	1.609E7	06	100.000	1.533E7						

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility **Calibration Date:** 6/5/2019

Initial Calibration Summary
Low Level Polychlorinated Biphenyls (PCBs) by GC

Calibration ID: RC1900059 **Signal ID:** DB-17
Instrument ID: R-GC-54

		Calibration Evaluation				Calibration Evaluation	
Analyte Name	Compound Type	Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
Aroclor 1016 {1}	MULTI	Average RF	% RSD	12.1	≤20	2.549E5	
Aroclor 1016 {2}	MULTI	Average RF	% RSD	15.1	≤20	6.122E5	
Aroclor 1016 {3}	MULTI	Average RF	% RSD	12.7	≤20	3.665E5	
Aroclor 1016 {4}	MULTI	Average RF	% RSD	13.4	≤20	5.795E5	
Aroclor 1016 {5}	MULTI	Average RF	% RSD	13.5	≤20	4.187E5	
Aroclor 1221 {1}	MULTI	Average RF	% RSD	12.5	≤20	1.325E5	
Aroclor 1221 {2}	MULTI	Average RF	% RSD	7.0	≤20	1.836E5	
Aroclor 1221 {3}	MULTI	Average RF	% RSD	9.9	≤20	1.241E5	
Aroclor 1221 {4}	MULTI	Average RF	% RSD	11.1	≤20	3.82E5	
Aroclor 1221 {5}	MULTI	Average RF	% RSD	5.4	≤20	5.857E4	
Aroclor 1232 {1}	MULTI	Average RF	% RSD	16.9	≤20	8.955E4	
Aroclor 1232 {2}	MULTI	Average RF	% RSD	18.7	≤20	3.154E5	
Aroclor 1232 {3}	MULTI	Average RF	% RSD	15.0	≤20	3.095E5	
Aroclor 1232 {4}	MULTI	Average RF	% RSD	15.7	≤20	1.545E5	
Aroclor 1232 {5}	MULTI	Average RF	% RSD	13.1	≤20	1.901E5	
Aroclor 1242 {1}	MULTI	Average RF	% RSD	8.3	≤20	2.241E5	
Aroclor 1242 {2}	MULTI	Average RF	% RSD	8.3	≤20	5.074E5	
Aroclor 1242 {3}	MULTI	Average RF	% RSD	7.3	≤20	3.846E5	
Aroclor 1242 {4}	MULTI	Average RF	% RSD	6.6	≤20	3.837E5	
Aroclor 1242 {5}	MULTI	Average RF	% RSD	4.7	≤20	3.109E5	
Aroclor 1248 {1}	MULTI	Average RF	% RSD	14.6	≤20	2.728E5	
Aroclor 1248 {2}	MULTI	Average RF	% RSD	16.6	≤20	5.41E5	
Aroclor 1248 {3}	MULTI	Average RF	% RSD	15.7	≤20	3.194E5	
Aroclor 1248 {4}	MULTI	Average RF	% RSD	15.7	≤20	5.565E5	
Aroclor 1248 {5}	MULTI	Average RF	% RSD	13.2	≤20	3.274E5	
Aroclor 1254 {1}	MULTI	Average RF	% RSD	11.1	≤20	6.369E5	
Aroclor 1254 {2}	MULTI	Average RF	% RSD	8.4	≤20	4.595E5	
Aroclor 1254 {3}	MULTI	Average RF	% RSD	10.7	≤20	6.785E5	
Aroclor 1254 {4}	MULTI	Average RF	% RSD	11.7	≤20	7.187E5	
Aroclor 1254 {5}	MULTI	Average RF	% RSD	9.3	≤20	2.912E5	
Aroclor 1260 {1}	MULTI	Average RF	% RSD	13.2	≤20	7.98E5	
Aroclor 1260 {2}	MULTI	Average RF	% RSD	13.9	≤20	6.79E5	
Aroclor 1260 {3}	MULTI	Average RF	% RSD	13.3	≤20	1.344E6	
Aroclor 1260 {4}	MULTI	Average RF	% RSD	13.7	≤20	7.155E5	

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility **Calibration Date:** 6/5/2019

Initial Calibration Summary
Low Level Polychlorinated Biphenyls (PCBs) by GC

Calibration ID: RC1900059 **Signal ID:** DB-17
Instrument ID: R-GC-54

		Calibration Evaluation				Calibration Evaluation	
Analyte Name	Compound Type	Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
Aroclor 1260 {5}	MULTI	Average RF	% RSD	14.3	≤20	5.788E5	
Decachlorobiphenyl	SURR	Average RF	% RSD	17.1	≤20	1.232E7	
Tetrachloro-m-xylene	SURR	Average RF	% RSD	8.8	≤20	1.579E7	

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility **Calibration Date:** 6/5/2019

Initial Calibration Summary
Low Level Polychlorinated Biphenyls (PCBs) by GC

Calibration ID: RC1900059 **Signal ID:** DB-1701
Instrument ID: R-GC-54

#	Lab Code	Sample Name	File Location	Acquisition Date
01	RC1900059-01	1660 LL	I:\ACQUDATA\6890D\DATA\060519\GF249.D	06/05/2019 15:19
02	RC1900059-02	1660 L	I:\ACQUDATA\6890D\DATA\060519\GF250.D	06/05/2019 15:39
03	RC1900059-03	1660 ML	I:\ACQUDATA\6890D\DATA\060519\GF251.D	06/05/2019 15:59
04	RC1900059-04	1660 M	I:\ACQUDATA\6890D\DATA\060519\GF252.D	06/05/2019 16:18
05	RC1900059-05	1660 MH	I:\ACQUDATA\6890D\DATA\060519\GF253.D	06/05/2019 16:38
06	RC1900059-06	1660 H	I:\ACQUDATA\6890D\DATA\060519\GF254.D	06/05/2019 16:58
07	RC1900059-07	1221/54 LL	I:\ACQUDATA\6890D\DATA\060519\GF255.D	06/05/2019 17:17
08	RC1900059-08	1221/54 L	I:\ACQUDATA\6890D\DATA\060519\GF256.D	06/05/2019 17:37
09	RC1900059-09	1221/54 ML	I:\ACQUDATA\6890D\DATA\060519\GF257.D	06/05/2019 17:57
10	RC1900059-10	1221/54 M	I:\ACQUDATA\6890D\DATA\060519\GF258.D	06/05/2019 18:16
11	RC1900059-11	1221/54 MH	I:\ACQUDATA\6890D\DATA\060519\GF259.D	06/05/2019 18:36
12	RC1900059-12	1221/54 H	I:\ACQUDATA\6890D\DATA\060519\GF260.D	06/05/2019 18:56
13	RC1900059-13	1232 LL	I:\ACQUDATA\6890D\DATA\060519\GF261.D	06/05/2019 19:15
14	RC1900059-14	1232 L	I:\ACQUDATA\6890D\DATA\060519\GF262.D	06/05/2019 19:35
15	RC1900059-15	1232 ML	I:\ACQUDATA\6890D\DATA\060519\GF263.D	06/05/2019 19:55
16	RC1900059-16	1232 M	I:\ACQUDATA\6890D\DATA\060519\GF264.D	06/05/2019 20:15
17	RC1900059-17	1232 MH	I:\ACQUDATA\6890D\DATA\060519\GF265.D	06/05/2019 20:34
18	RC1900059-18	1232 H	I:\ACQUDATA\6890D\DATA\060519\GF266.D	06/05/2019 20:54
19	RC1900059-19	1242/68 LL	I:\ACQUDATA\6890D\DATA\060519\GF267.D	06/05/2019 21:14
20	RC1900059-20	1242/68 L	I:\ACQUDATA\6890D\DATA\060519\GF268.D	06/05/2019 21:33
21	RC1900059-21	1242/68 ML	I:\ACQUDATA\6890D\DATA\060519\GF269.D	06/05/2019 21:53
22	RC1900059-22	1242/68 M	I:\ACQUDATA\6890D\DATA\060519\GF270.D	06/05/2019 22:13
23	RC1900059-23	1242/68 MH	I:\ACQUDATA\6890D\DATA\060519\GF271.D	06/05/2019 22:32
24	RC1900059-24	1242/68 H	I:\ACQUDATA\6890D\DATA\060519\GF272.D	06/05/2019 22:52
25	RC1900059-25	1248 LL	I:\ACQUDATA\6890D\DATA\060519\GF273.D	06/05/2019 23:12
26	RC1900059-26	1248 L	I:\ACQUDATA\6890D\DATA\060519\GF274.D	06/05/2019 23:31
27	RC1900059-27	1248 ML	I:\ACQUDATA\6890D\DATA\060519\GF275.D	06/05/2019 23:51
28	RC1900059-28	1248 M	I:\ACQUDATA\6890D\DATA\060519\GF276.D	06/06/2019 00:11
29	RC1900059-29	1248 MH	I:\ACQUDATA\6890D\DATA\060519\GF277.D	06/06/2019 00:31
30	RC1900059-30	1248 H	I:\ACQUDATA\6890D\DATA\060519\GF278.D	06/06/2019 00:50
31	RC1900059-31	1262 M	I:\ACQUDATA\6890D\DATA\060519\GF279.D	06/06/2019 01:10

Analyte

Aroclor 1016 {1}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	7.121E5	02	100.000	5.447E5	03	250.000	5.351E5	04	500.000	4.68E5
05	750.000	5.158E5	06	1000.000	4.841E5						

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility **Calibration Date:** 6/5/2019

Initial Calibration Summary
Low Level Polychlorinated Biphenyls (PCBs) by GC

Calibration ID: RC1900059 **Signal ID:** DB-1701
Instrument ID: R-GC-54

Analyte

Aroclor 1016 {2}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	1.566E6	02	100.000	1.184E6	03	250.000	1.171E6	04	500.000	1.027E6
05	750.000	1.139E6	06	1000.000	1.064E6						

Aroclor 1016 {3}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	4.143E5	02	100.000	3.388E5	03	250.000	3.404E5	04	500.000	3.013E5
05	750.000	3.393E5	06	1000.000	3.206E5						

Aroclor 1016 {4}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	6.164E5	02	100.000	4.592E5	03	250.000	4.499E5	04	500.000	3.952E5
05	750.000	4.407E5	06	1000.000	4.129E5						

Aroclor 1016 {5}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	1.224E6	02	100.000	9.858E5	03	250.000	9.792E5	04	500.000	8.442E5
05	750.000	9.508E5	06	1000.000	8.994E5						

Aroclor 1221 {1}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	4.198E5	08	100.000	3.872E5	09	250.000	3.281E5	10	500.000	3.579E5
11	750.000	3.534E5	12	1000.000	3.711E5						

Aroclor 1221 {2}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	2.826E5	08	100.000	2.593E5	09	250.000	2.149E5	10	500.000	2.32E5
11	750.000	2.257E5	12	1000.000	2.351E5						

Aroclor 1221 {3}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	9.802E5	08	100.000	9.261E5	09	250.000	7.721E5	10	500.000	8.413E5
11	750.000	8.277E5	12	1000.000	8.623E5						

Aroclor 1221 {4}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	2.084E5	08	100.000	2.064E5	09	250.000	1.72E5	10	500.000	1.913E5
11	750.000	1.881E5	12	1000.000	1.96E5						

Aroclor 1221 {5}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	1.034E6	08	100.000	9.401E5	09	250.000	7.701E5	10	500.000	8.468E5
11	750.000	8.404E5	12	1000.000	8.84E5						

Aroclor 1232 {1}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
13	20.000	8.649E5	14	100.000	8.012E5	15	250.000	6.899E5	16	500.000	5.984E5
17	750.000	5.942E5	18	1000.000	6.094E5						

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility **Calibration Date:** 6/5/2019

Initial Calibration Summary
Low Level Polychlorinated Biphenyls (PCBs) by GC

Calibration ID: RC1900059 **Signal ID:** DB-1701
Instrument ID: R-GC-54

Analyte

Aroclor 1232 {2}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
13	20.000	6.89E5	14	100.000	6.685E5	15	250.000	5.791E5	16	500.000	5.057E5
17	750.000	5.02E5	18	1000.000	5.168E5						

Aroclor 1232 {3}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
13	20.000	1.294E6	14	100.000	1.257E6	15	250.000	1.105E6	16	500.000	9.569E5
17	750.000	9.694E5	18	1000.000	9.974E5						

Aroclor 1232 {4}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
13	20.000	5.336E5	14	100.000	5.369E5	15	250.000	4.572E5	16	500.000	3.947E5
17	750.000	3.931E5	18	1000.000	4.047E5						

Aroclor 1232 {5}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
13	20.000	5.286E5	14	100.000	4.981E5	15	250.000	4.284E5	16	500.000	3.706E5
17	750.000	3.707E5	18	1000.000	3.811E5						

Aroclor 1242 {1}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
19	20.000	5.322E5	20	100.000	4.815E5	21	250.000	5.036E5	22	500.000	4.517E5
23	750.000	4.362E5	24	1000.000	4.162E5						

Aroclor 1242 {2}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
19	20.000	4.051E5	20	100.000	3.821E5	21	250.000	4.022E5	22	500.000	3.599E5
23	750.000	3.504E5	24	1000.000	3.349E5						

Aroclor 1242 {3}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
19	20.000	2.1E6	20	100.000	1.967E6	21	250.000	2.105E6	22	500.000	1.919E6
23	750.000	1.865E6	24	1000.000	1.795E6						

Aroclor 1242 {4}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
19	20.000	8.848E5	20	100.000	8.58E5	21	250.000	9.124E5	22	500.000	8.203E5
23	750.000	8.001E5	24	1000.000	7.664E5						

Aroclor 1242 {5}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
19	20.000	8.372E5	20	100.000	8.24E5	21	250.000	8.826E5	22	500.000	8.028E5
23	750.000	7.815E5	24	1000.000	7.514E5						

Aroclor 1248 {1}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
25	20.000	6.507E5	26	100.000	5.874E5	27	250.000	5.025E5	28	500.000	4.861E5
29	750.000	4.54E5	30	1000.000	4.727E5						

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility **Calibration Date:** 6/5/2019

Initial Calibration Summary
Low Level Polychlorinated Biphenyls (PCBs) by GC

Calibration ID: RC1900059 **Signal ID:** DB-1701
Instrument ID: R-GC-54

Analyte

Aroclor 1248 {2}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
25	20.000	1.617E6	26	100.000	1.479E6	27	250.000	1.255E6	28	500.000	1.23E6
29	750.000	1.167E6	30	1000.000	1.227E6						

Aroclor 1248 {3}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
25	20.000	6.29E5	26	100.000	5.83E5	27	250.000	4.839E5	28	500.000	4.654E5
29	750.000	4.41E5	30	1000.000	4.571E5						

Aroclor 1248 {4}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
25	20.000	1.615E6	26	100.000	1.474E6	27	250.000	1.257E6	28	500.000	1.225E6
29	750.000	1.154E6	30	1000.000	1.207E6						

Aroclor 1248 {5}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
25	20.000	1.274E6	26	100.000	1.209E6	27	250.000	1.037E6	28	500.000	1.024E6
29	750.000	9.711E5	30	1000.000	1.023E6						

Aroclor 1254 {1}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	6.125E5	08	100.000	5.771E5	09	250.000	4.668E5	10	500.000	5.331E5
11	750.000	5.321E5	12	1000.000	5.676E5						

Aroclor 1254 {2}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	9.623E5	08	100.000	9.176E5	09	250.000	7.48E5	10	500.000	8.578E5
11	750.000	8.66E5	12	1000.000	9.253E5						

Aroclor 1254 {3}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	1.99E6	08	100.000	1.883E6	09	250.000	1.531E6	10	500.000	1.76E6
11	750.000	1.783E6	12	1000.000	1.906E6						

Aroclor 1254 {4}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	1.073E6	08	100.000	1.003E6	09	250.000	8.103E5	10	500.000	9.246E5
11	750.000	9.249E5	12	1000.000	9.845E5						

Aroclor 1254 {5}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	5.093E5	08	100.000	4.753E5	09	250.000	3.627E5	10	500.000	4.384E5
11	750.000	4.323E5	12	1000.000	4.769E5						

Aroclor 1260 {1}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	1.583E6	02	100.000	1.269E6	03	250.000	1.245E6	04	500.000	1.079E6
05	750.000	1.2E6	06	1000.000	1.131E6						

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility **Calibration Date:** 6/5/2019

Initial Calibration Summary
Low Level Polychlorinated Biphenyls (PCBs) by GC

Calibration ID: RC1900059 **Signal ID:** DB-1701
Instrument ID: R-GC-54

Analyte

Aroclor 1260 {2}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	1.828E6	02	100.000	1.481E6	03	250.000	1.453E6	04	500.000	1.256E6
05	750.000	1.39E6	06	1000.000	1.317E6						

Aroclor 1260 {3}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	1.506E6	02	100.000	1.243E6	03	250.000	1.228E6	04	500.000	1.057E6
05	750.000	1.189E6	06	1000.000	1.119E6						

Aroclor 1260 {4}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	2.779E6	02	100.000	2.203E6	03	250.000	2.286E6	04	500.000	1.985E6
05	750.000	2.252E6	06	1000.000	2.164E6						

Aroclor 1260 {5}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	8.738E5	02	100.000	6.618E5	03	250.000	6.875E5	04	500.000	5.902E5
05	750.000	6.563E5	06	1000.000	6.402E5						

Decachlorobiphenyl

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	2.000	2.638E7	02	20.000	1.979E7	03	40.000	2.063E7	04	60.000	1.828E7
05	80.000	2.042E7	06	100.000	1.988E7						

Tetrachloro-m-xylene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	2.000	3.478E7	02	20.000	3.063E7	03	40.000	3.198E7	04	60.000	2.923E7
05	80.000	3.297E7	06	100.000	3.143E7						

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility **Calibration Date:** 6/5/2019

Initial Calibration Summary
Low Level Polychlorinated Biphenyls (PCBs) by GC

Calibration ID: RC1900059 **Signal ID:** DB-1701
Instrument ID: R-GC-54

		Calibration Evaluation				Calibration Evaluation	
Analyte Name	Compound Type	Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
Aroclor 1016 {1}	MULTI	Average RF	% RSD	16.2	≤20	5.433E5	
Aroclor 1016 {2}	MULTI	Average RF	% RSD	16.2	≤20	1.192E6	
Aroclor 1016 {3}	MULTI	Average RF	% RSD	11.2	≤20	3.425E5	
Aroclor 1016 {4}	MULTI	Average RF	% RSD	17.1	≤20	4.624E5	
Aroclor 1016 {5}	MULTI	Average RF	% RSD	13.3	≤20	9.806E5	
Aroclor 1221 {1}	MULTI	Average RF	% RSD	8.5	≤20	3.696E5	
Aroclor 1221 {2}	MULTI	Average RF	% RSD	10.3	≤20	2.416E5	
Aroclor 1221 {3}	MULTI	Average RF	% RSD	8.5	≤20	8.683E5	
Aroclor 1221 {4}	MULTI	Average RF	% RSD	6.9	≤20	1.937E5	
Aroclor 1221 {5}	MULTI	Average RF	% RSD	10.3	≤20	8.859E5	
Aroclor 1232 {1}	MULTI	Average RF	% RSD	16.7	≤20	6.93E5	
Aroclor 1232 {2}	MULTI	Average RF	% RSD	14.6	≤20	5.769E5	
Aroclor 1232 {3}	MULTI	Average RF	% RSD	13.5	≤20	1.097E6	
Aroclor 1232 {4}	MULTI	Average RF	% RSD	14.9	≤20	4.534E5	
Aroclor 1232 {5}	MULTI	Average RF	% RSD	16.1	≤20	4.296E5	
Aroclor 1242 {1}	MULTI	Average RF	% RSD	9.3	≤20	4.702E5	
Aroclor 1242 {2}	MULTI	Average RF	% RSD	7.7	≤20	3.724E5	
Aroclor 1242 {3}	MULTI	Average RF	% RSD	6.4	≤20	1.959E6	
Aroclor 1242 {4}	MULTI	Average RF	% RSD	6.5	≤20	8.403E5	
Aroclor 1242 {5}	MULTI	Average RF	% RSD	5.6	≤20	8.133E5	
Aroclor 1248 {1}	MULTI	Average RF	% RSD	14.6	≤20	5.256E5	
Aroclor 1248 {2}	MULTI	Average RF	% RSD	13.4	≤20	1.329E6	
Aroclor 1248 {3}	MULTI	Average RF	% RSD	15.1	≤20	5.099E5	
Aroclor 1248 {4}	MULTI	Average RF	% RSD	13.7	≤20	1.322E6	
Aroclor 1248 {5}	MULTI	Average RF	% RSD	11.1	≤20	1.09E6	
Aroclor 1254 {1}	MULTI	Average RF	% RSD	9.1	≤20	5.482E5	
Aroclor 1254 {2}	MULTI	Average RF	% RSD	8.6	≤20	8.795E5	
Aroclor 1254 {3}	MULTI	Average RF	% RSD	8.9	≤20	1.809E6	
Aroclor 1254 {4}	MULTI	Average RF	% RSD	9.3	≤20	9.533E5	
Aroclor 1254 {5}	MULTI	Average RF	% RSD	11.3	≤20	4.492E5	
Aroclor 1260 {1}	MULTI	Average RF	% RSD	14.2	≤20	1.251E6	
Aroclor 1260 {2}	MULTI	Average RF	% RSD	13.8	≤20	1.454E6	
Aroclor 1260 {3}	MULTI	Average RF	% RSD	12.7	≤20	1.224E6	
Aroclor 1260 {4}	MULTI	Average RF	% RSD	11.7	≤20	2.278E6	

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility **Calibration Date:** 6/5/2019

Initial Calibration Summary
Low Level Polychlorinated Biphenyls (PCBs) by GC

Calibration ID: RC1900059 **Signal ID:** DB-1701
Instrument ID: R-GC-54

Analyte Name	Compound Type	Calibration Evaluation				Calibration Evaluation	
		Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
Aroclor 1260 {5}	MULTI	Average RF	% RSD	14.3	≤20	6.85E5	
Decachlorobiphenyl	SURR	Average RF	% RSD	13.4	≤20	2.09E7	
Tetrachloro-m-xylene	SURR	Average RF	% RSD	6.0	≤20	3.184E7	

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility **Calibration Date:** 6/5/2019

Initial Calibration Verification Summary
Low Level Polychlorinated Biphenyls (PCBs) by GC

Calibration ID: RC1900059 **Signal ID:** DB-1701
Instrument ID: R-GC-54

#	Lab Code	Sample Name	File Location	Acquisition Date
32	RC1900059-32	1660 ICV	I:\ACQUDATA\6890D\DATA\060519\GF280.D	06/06/2019 01:30

Analyte Name	Expected	Result	Average RF	SSV RF	Rec.	Criteria	Curve Fit
Aroclor 1016	500	552			10.3374620962 335921435484		NA
Aroclor 1260	500	524			4.84	±25	NA

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
Aroclor 1016 {1}	500	546	5.433E5	5.934E5	9.22	±25	Average RF
Aroclor 1016 {2}	500	545	1.192E6	1.299E6	9.02	±25	Average RF
Aroclor 1016 {3}	500	564	3.425E5	3.861E5	12.73	±25	Average RF
Aroclor 1016 {4}	500	543	4.624E5	5.025E5	8.67	±25	Average RF
Aroclor 1016 {5}	500	560	9.806E5	1.099E6	12.04	±25	Average RF
Aroclor 1260 {1}	500	580	1.251E6	1.45E6	15.91	±25	Average RF
Aroclor 1260 {2}	500	575	1.454E6	1.672E6	15.02	±25	Average RF
Aroclor 1260 {3}	500	521	1.224E6	1.274E6	4.13	±25	Average RF
Aroclor 1260 {4}	500	519	2.278E6	2.363E6	3.71	±25	Average RF
Aroclor 1260 {5}	500	427	6.85E5	5.85E5	-14.600	±25	Average RF

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility **Calibration Date:** 6/5/2019

Initial Calibration Verification Summary
Low Level Polychlorinated Biphenyls (PCBs) by GC

Calibration ID: RC1900059 **Signal ID:** DB-17
Instrument ID: R-GC-54

#	Lab Code	Sample Name	File Location	Acquisition Date
32	RC1900059-32	1660 ICV	I:\ACQUDATA\6890D\DATA\060519\GF280.D	06/06/2019 01:30

Analyte Name	Expected	Result	Average RF	SSV RF	Rec.	Criteria	Curve Fit
Aroclor 1016	500	556			11.2748239411 503919149344		NA
Aroclor 1260	500	531			6.14	±25	NA

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
Aroclor 1016 {1}	500	559	2.549E5	2.849E5	11.77	±25	Average RF
Aroclor 1016 {2}	500	559	6.122E5	6.843E5	11.77	±25	Average RF
Aroclor 1016 {3}	500	557	3.665E5	4.081E5	11.37	±25	Average RF
Aroclor 1016 {4}	500	555	5.795E5	6.428E5	10.92	±25	Average RF
Aroclor 1016 {5}	500	553	4.187E5	4.628E5	10.54	±25	Average RF
Aroclor 1260 {1}	500	601	7.98E5	9.598E5	20.28	±25	Average RF
Aroclor 1260 {2}	500	531	6.79E5	7.205E5	6.11	±25	Average RF
Aroclor 1260 {3}	500	529	1.344E6	1.422E6	5.83	±25	Average RF
Aroclor 1260 {4}	500	549	7.155E5	7.85E5	9.72	±25	Average RF
Aroclor 1260 {5}	500	444	5.788E5	5.137E5	-11.245	±25	Average RF

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Analyzed:**	06/18/19 13:19

Continuing Calibration Verification (CCV) Summary
Low Level Polychlorinated Biphenyls (PCBs) by GC

Analysis Method:	8082A	**Calibration Date:**	6/5/2019
File ID:	I:\ACQUDATA\6890D\DATA\061819\GF370.D\	**Calibration ID:**	RC1900059
Signal ID:	DB-17	**Analysis Lot:**	639898
		Units:	ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Aroclor 1016	500	420	NA	NA	NA	NA	±20	
Aroclor 1260	500	453	NA	NA	NA	NA	±20	

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Aroclor 1016 {1}	500	417	2.549E5	2.128E5	-16.5	NA	±20	Average RF
Aroclor 1016 {2}	500	422	6.122E5	5.167E5	-15.6	NA	±20	Average RF
Aroclor 1016 {3}	500	418	3.665E5	3.067E5	-16.3	NA	±20	Average RF
Aroclor 1016 {4}	500	424	5.795E5	4.91E5	-15.3	NA	±20	Average RF
Aroclor 1016 {5}	500	420	4.187E5	3.521E5	-15.9	NA	±20	Average RF
Aroclor 1260 {1}	500	454	7.98E5	7.241E5	-9.3	NA	±20	Average RF
Aroclor 1260 {2}	500	449	6.79E5	6.095E5	-10.2	NA	±20	Average RF
Aroclor 1260 {3}	500	457	1.344E6	1.228E6	-8.7	NA	±20	Average RF
Aroclor 1260 {4}	500	449	7.155E5	6.429E5	-10.1	NA	±20	Average RF
Aroclor 1260 {5}	500	458	5.788E5	5.307E5	-8.3	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Decachlorobiphenyl	60.0	54.3	1.232E7	1.115E7	-9.5	NA	±20	Average RF
Tetrachloro-m-xylene	60.0	53.3	1.579E7	1.403E7	-11.2	NA	±20	Average RF

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Analyzed:**	06/18/19 13:19

Continuing Calibration Verification (CCV) Summary
Low Level Polychlorinated Biphenyls (PCBs) by GC

Analysis Method:	8082A	**Calibration Date:**	6/5/2019
File ID:	I:\ACQUDATA\6890D\DATA\061819\GF370.D\	**Calibration ID:**	RC1900059
Signal ID:	DB-1701	**Analysis Lot:**	639898
		Units:	ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Aroclor 1016	500	432	NA	NA	NA	NA	±20	
Aroclor 1260	500	459	NA	NA	NA	NA	±20	

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Aroclor 1016 {1}	500	424	5.433E5	4.607E5	-15.2	NA	±20	Average RF
Aroclor 1016 {2}	500	433	1.192E6	1.033E6	-13.4	NA	±20	Average RF
Aroclor 1016 {3}	500	439	3.425E5	3.004E5	-12.3	NA	±20	Average RF
Aroclor 1016 {4}	500	427	4.624E5	3.946E5	-14.7	NA	±20	Average RF
Aroclor 1016 {5}	500	436	9.806E5	8.559E5	-12.7	NA	±20	Average RF
Aroclor 1260 {1}	500	457	1.251E6	1.143E6	-8.6	NA	±20	Average RF
Aroclor 1260 {2}	500	460	1.454E6	1.339E6	-7.9	NA	±20	Average RF
Aroclor 1260 {3}	500	449	1.224E6	1.1E6	-10.1	NA	±20	Average RF
Aroclor 1260 {4}	500	465	2.278E6	2.121E6	-6.9	NA	±20	Average RF
Aroclor 1260 {5}	500	465	6.85E5	6.367E5	-7.1	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Decachlorobiphenyl	60.0	55.1	2.09E7	1.917E7	-8.2	NA	±20	Average RF
Tetrachloro-m-xylene	60.0	55.4	3.184E7	2.938E7	-7.7	NA	±20	Average RF

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Analyzed:**	06/18/19 15:56

Continuing Calibration Verification (CCV) Summary
Low Level Polychlorinated Biphenyls (PCBs) by GC

Analysis Method:	8082A	**Calibration Date:**	6/5/2019
File ID:	I:\ACQUDATA\6890D\DATA\061819\GF378.D\	**Calibration ID:**	RC1900059
Signal ID:	DB-1701	**Analysis Lot:**	639898
		Units:	ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Aroclor 1016	500	490	NA	NA	NA	NA	±20	
Aroclor 1260	500	520	NA	NA	NA	NA	±20	

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Aroclor 1016 {1}	500	484	5.433E5	5.261E5	-3.2	NA	±20	Average RF
Aroclor 1016 {2}	500	487	1.192E6	1.162E6	-2.5	NA	±20	Average RF
Aroclor 1016 {3}	500	501	3.425E5	3.432E5	0.2	NA	±20	Average RF
Aroclor 1016 {4}	500	484	4.624E5	4.477E5	-3.2	NA	±20	Average RF
Aroclor 1016 {5}	500	495	9.806E5	9.702E5	-1.1	NA	±20	Average RF
Aroclor 1260 {1}	500	504	1.251E6	1.26E6	0.7	NA	±20	Average RF
Aroclor 1260 {2}	500	513	1.454E6	1.493E6	2.7	NA	±20	Average RF
Aroclor 1260 {3}	500	512	1.224E6	1.254E6	2.5	NA	±20	Average RF
Aroclor 1260 {4}	500	532	2.278E6	2.426E6	6.5	NA	±20	Average RF
Aroclor 1260 {5}	500	536	6.85E5	7.349E5	7.3	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Decachlorobiphenyl	60.0	63.7	2.09E7	2.218E7	6.1	NA	±20	Average RF
Tetrachloro-m-xylene	60.0	62.3	3.184E7	3.304E7	3.8	NA	±20	Average RF

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Analyzed:**	06/18/19 15:56

Continuing Calibration Verification (CCV) Summary
Low Level Polychlorinated Biphenyls (PCBs) by GC

Analysis Method:	8082A	**Calibration Date:**	6/5/2019
File ID:	I:\ACQUDATA\6890D\DATA\061819\GF378.D\	**Calibration ID:**	RC1900059
Signal ID:	DB-17	**Analysis Lot:**	639898
		Units:	ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Aroclor 1016	500	504	NA	NA	NA	NA	±20	
Aroclor 1260	500	542	NA	NA	NA	NA	±20	

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Aroclor 1016 {1}	500	497	2.549E5	2.534E5	-0.6	NA	±20	Average RF
Aroclor 1016 {2}	500	499	6.122E5	6.108E5	-0.2	NA	±20	Average RF
Aroclor 1016 {3}	500	506	3.665E5	3.711E5	1.3	NA	±20	Average RF
Aroclor 1016 {4}	500	508	5.795E5	5.893E5	1.7	NA	±20	Average RF
Aroclor 1016 {5}	500	508	4.187E5	4.254E5	1.6	NA	±20	Average RF
Aroclor 1260 {1}	500	529	7.98E5	8.444E5	5.8	NA	±20	Average RF
Aroclor 1260 {2}	500	536	6.79E5	7.277E5	7.2	NA	±20	Average RF
Aroclor 1260 {3}	500	552	1.344E6	1.483E6	10.3	NA	±20	Average RF
Aroclor 1260 {4}	500	543	7.155E5	7.773E5	8.6	NA	±20	Average RF
Aroclor 1260 {5}	500	551	5.788E5	6.382E5	10.3	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Decachlorobiphenyl	60.0	64.2	1.232E7	1.319E7	7.1	NA	±20	Average RF
Tetrachloro-m-xylene	60.0	62.6	1.579E7	1.648E7	4.3	NA	±20	Average RF

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:**R1905417
Project: Former Borden Facility/08212777

Analysis Run Log
Low Level Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A **Analysis Lot:**639898
Instrument ID:R-GC-54

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\6890D\DATA\061819 \GF370.D\	Continuing Calibration Verification	RQ1906063-01	6/18/2019	13:19:00	
I:\ACQUDATA\6890D\DATA\061819 \GF371.D\	Method Blank	RQ1905875-02	6/18/2019	13:38:00	
I:\ACQUDATA\6890D\DATA\061819 \GF372.D\	Lab Control Sample	RQ1905875-03	6/18/2019	13:58:00	
I:\ACQUDATA\6890D\DATA\061819 \GF373.D\	Duplicate Lab Control Sample	RQ1905875-04	6/18/2019	14:18:00	
I:\ACQUDATA\6890D\DATA\061819 \GF375.D\	MW-2B	R1905417-010	6/18/2019	14:57:00	
I:\ACQUDATA\6890D\DATA\061819 \GF376.D\	MW-17	R1905417-011	6/18/2019	15:17:00	
I:\ACQUDATA\6890D\DATA\061819 \GF377.D\	MW-21	R1905417-012	6/18/2019	15:36:00	
I:\ACQUDATA\6890D\DATA\061819 \GF378.D\	Continuing Calibration Verification	RQ1906063-02	6/18/2019	15:56:00	

Analysis: 8082 Analyst: KLuges Run Method: 6082a.m

Date: 6/18/19 Instr. 6890D R-GC-54 Quant Method: D-PCB060519.M

Syringes: LIMS Run#: 639898

Pos.	Sample	Diln.	Stds. ID	File#	OK?	Comments
	BLK			GF369	✓	
	CCV		199075	70	✓	
	21905875-02	MB		71	✓	
	↓ 03	LCS		72	✓	
	↓ 04	DUP		73	✓	
	LL MDL			74	H	Re-Prep
	21905417-010			75	✓	
	↓ 011			76	✓	1242/1248
	↓ 012			77	✓	
	CCV		199075	78	✓	

AM 6/19

All samples = _____mL + _____uL Combined IS/Surr.;

Primary :_____ exp: Secondary :_____ exp:

Primary:_____ exp: Secondary :_____ exp:

Reagents:

Analysis: 8082 Analyst: A. Moses Run Method: 8082a.m

Date: 6/5/19 Instr. 6890D R-GC-54 Quant Method: D-RCB060519.m

Syringes: LIMS Run#: RC190605 59

Pos.	Sample	Diln.	Stds. ID	File#	OK?	Comments
	BLK			GF246-47	—	
	BLK			GF248	✓	
	AR 1660 LL		199668	49	✓	
	L		667	50	✓	
	ML		666	51	✓	
	M		075	52	✓	
	MH		665	53	✓	
	H		664	54	✓	
	AR 1221/54 LL		692	55	✓	
	L		691	56	✓	
	ML		690	57	✓	
	M		689	58	✓	
	MH		688	59	✓	
	H		687	60	✓	
	AR 1232 LL		674	61	✓	
	L		673	62	✓	
	ML		672	63	✓	
	M		671	64	✓	
	MH		670	65	✓	
	H		669	66	✓	
	AR 1242/60 LL		680	67	✓	
	L		679	68	✓	
	ML		678	69	✓	
	M		677	70	✓	
	MH		676	71	✓	
	H		675	72	✓	
	AR 1248 LL		686	73	✓	
	L		685	74	✓	
	ML		684	75	✓	
	M		683	76	✓	
	MH		682	77	✓	
	H		681	78	✓	
	AR 1262 M		693	79	✓	
	AR 1660 ICV		197075	80	✓	
	AM 6/6					

All samples = _____mL + _____uL Combined IS/Surr.;

Primary :_____ exp: Secondary :_____ exp:

Primary:_____ exp: Secondary :_____ exp:

Reagents:

Prep Summary Report

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:**R1905417
Project: Former Borden Facility/08212777
Sample Matrix: Water

Low Level Polychlorinated Biphenyls (PCBs) by GC

Prep Method: EPA 3510C **Extraction Lot:** 338709
Analytical Method: 8082A **Extraction Date:** 06/14/19 13:03

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Amount	Percent Solids
MW-2B	R1905417-010	6/10/19	6/12/19	1060.0000	2 mL	
MW-17	R1905417-011	6/10/19	6/12/19	1060.0000	2 mL	
MW-21	R1905417-012	6/10/19	6/12/19	1060.0000	2 mL	
Method Blank	RQ1905875-02MB	NA	NA	1000 mL	2 mL	
Lab Control Sample	RQ1905875-03LCS	NA	NA	1000 mL	2 mL	
Duplicate Lab Control Sample	RQ1905875-04DLCS	NA	NA	1000 mL	2 mL	

Preparation Information Benchsheet

Prep Run#: 338709 **Prep WorkFlow:** OrgExtLLAq(7) **Status:** Prepped
Team: Semivoa GC/VSTAUFFER **Prep Method:** EPA 3510C **Prep Date/Time:** 6/14/19 13:03

#	Lab Code	Client ID	B#	Amt. Ext.	Method /Test	pH	AE	BN	Final Vol	Sample Desc. (Initial/Final)	SpikeAmt./Inv. ID	Comments
1	RQ1905875-02	MB		1000mL	8082A/PCB LL	7			2.00mL	clear/colorless	1.0000 mL/197716	
2	RQ1905875-03	LCS		1000mL	8082A/PCB LL	7			2.00mL	clear/colorless	1.0000 mL/197716; 100.0000 uL/196869	
3	RQ1905875-04	DLCS		1000mL	8082A/PCB LL	7			2.00mL	clear/colorless	1.0000 mL/197716; 100.0000 uL/196869	
4	R1905417-010	MW-2B	.10	1060mL	8082A/PCB LL	7			2.00mL	clear/colorless	1.0000 mL/197716	
5	R1905417-011	MW-17	.10	1060mL	8082A/PCB LL	7			2.00mL	clear/colorless	1.0000 mL/197716	
6	R1905417-012	MW-21	.10	1060mL	8082A/PCB LL	7			2.00mL	pale yellow	1.0000 mL/197716	
7	RQ1905875-01	MDLV		1000mL	8082A/PCB LL	7			2.00mL	clear/colorless	100.0000 uL/199791; 1.0000 mL/197716	
8	R1903827-050	GC G MDL 8082LL #2	.01	1000mL	8082A/PCB LL	7			2.00mL	clear/colorless	1.0000 mL/197716	

Spiking Solutions

Name:	8082 Spike 5 ug/mL AR 1260	Inventory ID	196869	Logbook Ref:		Expires On:	08/10/2019
Name:	8081/8082 Low Level surrogate 100ppb	Inventory ID	197716	Logbook Ref:		Expires On:	09/01/2019
Name:	Aroclor 1660 MDL Spike	Inventory ID	199791	Logbook Ref:		Expires On:	11/02/2019

1317 of 1819

Preparation Materials

Eppendorf Pipette Repeater	EXT #18 (184837)	Water Deionized H2O	DI System (2262)	Hexanes 95%	svoa (198718)
Isopropyl Alcohol HPLC Grade	(195243)	Dichloromethane (Methylene Chloride) 99.9% MeCl2	canister (199652)	pH Paper 0-14	(199608)
Prepared Sodium Sulfate Na2SO4	(200126)	Prepared Tetrabutylammonium hydrogen sulfate (TBA)	(199995)		

Preparation Steps

Step:	Extraction	Step:	Concentration	Step:	Sulfur Clean-EPA 3660B	Step:	Final Volume
Started:	6/14/19 13:03	Started:	6/17/19 12:30	Started:	6/17/19 14:35	Started:	6/17/19 16:06
Finished:	6/14/19 15:49	Finished:	6/17/19 14:15	Finished:	6/17/19 15:47	Finished:	6/17/19 16:06
By:	VSTAUFFER	By:	KSERCU	By:	KSERCU	By:	KSERCU
Comments		Comments		Comments		Comments	

Comments: _____

Reviewed By: _____ Date: 6/17/19 Spike Witness: BALLGEIER Date: _____

Chain of Custody

Relinquished By: _____ Date: _____ Extracts Examined

Received By: _____ Date: _____ Yes No

Subcontracted Analytical Parameters

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July 16, 2019

Analytical Report for Service Request No: R1905417

Brady Kalkman
ALS Environmental
1565 Jefferson Rd, Building 300
Suite 360
Rochester, NY 14623

RE: Former Borden Facility / 08212777

Dear Brady Kalkman,

Enclosed are the results of the sample(s) submitted to our laboratory June 12, 2019
For your reference, these analyses have been assigned our service request number **R1905417.**

All testing was performed according to our laboratory's quality assurance program and met the requirements of the TNI standards except as noted in the case narrative report. Any testing not included in the lab's accreditation is identified on a Non-Certified Analytes report. All results are intended to be considered in their entirety. ALS Environmental is not responsible for use of less than the complete report. Results apply only to the individual samples submitted to the lab for analysis, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s), and represented by Laboratory Control Sample control limits. Any events, such as QC failures or Holding Time exceedances, which may add to the uncertainty are explained in the report narrative or are flagged with qualifiers. The flags are explained in the Report Qualifiers and Definitions page of this report.

Please contact me if you have any questions. My extension is 3275. You may also contact me via email at Chris.Leaf@ALSGlobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Chris Leaf
Project Manager

RIGHT SOLUTIONS | RIGHT PARTNER

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Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LOD	Limit of Detection
LOQ	Limit of Quantitation
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated value.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
i	The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
X	See case narrative.
Q	See case narrative. One or more quality control criteria was outside the limits.
H	The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory.

Metals Data Qualifiers

#	The control limit criteria is not applicable. See case narrative.
J	The result is an estimated value.
E	The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
X	See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.
Q	See case narrative. One or more quality control criteria was outside the limits.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimated value.
J	The result is an estimated value.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
i	The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference.
X	See case narrative.
Q	See case narrative. One or more quality control criteria was outside the limits.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

ALS Group USA Corp. dba ALS Environmental (ALS) - Kelso
State Certifications, Accreditations, and Licenses

Agency	Web Site	Number
Alaska DEH	http://dec.alaska.gov/eh/lab/cs/csapproval.htm	UST-040
Arizona DHS	http://www.azdhs.gov/lab/license/env.htm	AZ0339
Arkansas - DEQ	http://www.adeq.state.ar.us/techsvs/labcert.htm	88-0637
California DHS (ELAP)	http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx	2795
DOD ELAP	http://www.denix.osd.mil/edqw/Accreditation/AccreditedLabs.cfm	L16-58-R4
Florida DOH	http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm	E87412
Hawaii DOH	http://health.hawaii.gov/	-
ISO 17025	http://www.pjlabs.com/	L16-57
Louisiana DEQ	http://www.deq.louisiana.gov/page/la-lab-accreditation	03016
Maine DHS	http://www.maine.gov/dhhs/	WA01276
Minnesota DOH	http://www.health.state.mn.us/accreditation	053-999-457
Nevada DEP	http://ndep.nv.gov/bsdw/labservice.htm	WA01276
New Jersey DEP	http://www.nj.gov/dep/enforcement/oqa.html	WA005
New York - DOH	https://www.wadsworth.org/regulatory/elap	12060
North Carolina DEQ	https://deq.nc.gov/about/divisions/water-resources/water-resources-data/water-sciences-home-page/laboratory-certification-branch/non-field-lab-certification	605
Oklahoma DEQ	http://www.deq.state.ok.us/CSDnew/labcert.htm	9801
Oregon – DEQ (NELAP)	http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	WA100010
South Carolina DHEC	http://www.scdhec.gov/environment/EnvironmentalLabCertification/	61002
Texas CEQ	http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html	T104704427
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C544
Wyoming (EPA Region 8)	https://www.epa.gov/region8-waterops/epa-region-8-certified-drinking-water-	-
Kelso Laboratory Website	www.alsglobal.com	NA

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. A complete listing of specific NELAP-certified analytes, can be found in the certification section at www.ALSGlobal.com or at the accreditation bodies web site.
Please refer to the certification and/or accreditation body's web site if samples are submitted for compliance purposes. The states highlighted above, require the analysis be listed on the state certification if used for compliance purposes and if the method/anlayte is offered by that state.

Case Narrative

ALS Environmental—Kelso Laboratory
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Phone (360)577-7222 Fax (360)636-1068
www.alsglobal.com

Client: Professional Service Industries (PSI) Schenectady, NY
Service Request: R1905417
Project: Former Borden Facility
Date Received: 06/14/2019
Sample Matrix: Water

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier level IV requested by the client.

Sample Receipt:

Four water samples were received for analysis at ALS Environmental on 06/14/2019. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Organic LC:

Method PFC/537M, 07/02/2019: The upper control criterion was exceeded for 13C2-PFTeDA and 13C2-6:2 FTS in sample MW-27. The associated native analytes were not detected above the Method Reporting Limit (MRL) in this sample. The error associated with an elevated recovery equated to a high bias. Assuming the native analytes performed similar to the labeled analogs, the effect on the reported results was minimal. The quality of the sample data was not significantly affected. No further corrective action was appropriate.

Method PFC/537M, 07/02/2019: The upper control criterion was exceeded for 13C2-6:2 FTS in sample MW-15 and Dupe. The associated native analyte was not detected above the Method Reporting Limit (MRL) in this sample. The error associated with an elevated recovery equated to a high bias. Assuming the native analyte performed similar to the labeled analog, the effect on the reported results was minimal. The quality of the sample data was not significantly affected. No further corrective action was appropriate.

Method PFC/537M, 07/02/2019: The control criteria was exceeded for some isotopes in Continuing Calibration Verification (CCV) KQ1908636-01. The recoveries of the associated native analytes were within control criteria, which indicated the analysis was in control. No further corrective action was appropriate.

Approved by Date 07/16/2019

Chain of Custody

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Intra-Network Chain of Custody

1565 Jefferson Rd, Building 300 • Rochester, NY 14623 • 585-288-5380 • FAX 585-288-8475

ALS Contact: Brady Kalkman

Project Name: Former Borden Facility
Project Number: 08212777
Project Manager: Tom Rankin
Company: Professional Service Industries (PSI)
QAP: LAB QAP

Lab Code	Client Sample ID	# of Cont.	Matrix	Sample Date	Sample Time	Date Received	Send To	PFOA PFC/537M
R1905417-002	MW-27	2	Water	6/10/19	1222	6/12/19	KELSO	~~II~~ IV
R1905417-003	MW-15	2	Water	6/10/19	1030	6/12/19	KELSO	II IV
R1905417-011	MW-17	2	Water	6/10/19	1350	6/12/19	KELSO	II IV
R1905417-013	Dupe	2	Water	6/10/19		6/12/19	KELSO	II IV

Folder Comments:
MDL U

NY list of 21

~~6/26~~ ~~6/27~~ 7/3

Tier II and Tier IV needed

Special Instructions/Comments

pH Checked _____

Turnaround Requirements

_____ **RUSH** (Surcharges Apply)

PLEASE CIRCLE WORK DAYS
1 2 3 4 5

_____ **STANDARD**

Requested FAX Date: _____

Requested Report Date: ~~06/21/19~~ 7/3

Report Requirements

____ I. Results Only
__X__ II. Results + QC Summaries
____ III. Results + QC and Calibration Summaries
__X__ IV. Data Validation Report with Raw Data

PQL/MDL/J N
EDD N

Invoice Information

PO# 58R1905417

Bill to

Relinquished By: _____ 6/13/19 13:55

Received By: KMorrow 7/3 ALS 6/14/19 0930

Airbill Number: _____

PC_____

Cooler Receipt and Preservation Form

Client ALS - Rochester Service Request *K19*

Received: 6/14/19 Opened: 6/14/19 By: KM Unloaded: 6/14/19 By: KM

1. Samples were received via? *USPS* (*Fed Ex*) *UPS* *DHL* *PDX* *Courier* *Hand Delivered*
2. Samples were received in: (circle) (*Cooler*) *Box* *Envelope* *Other*_____ *NA*
3. Were custody seals on coolers? NA (Y) N If yes, how many and where?_____
   If present, were custody seals intact? Y (N) If present, were they signed and dated? Y N

Raw Cooler Temp	Corrected Cooler Temp	Raw Temp Blank	Corrected Temp Blank	Corr. Factor	Thermometer ID	Cooler/COC ID (NA)	Tracking Number	NA	Filed
0.5	0.6	N/A	N/A	+0.1	360		484616815130		

4. Packing material: *Inserts* *Baggies* *Bubble Wrap* *Gel Packs* (*Wet Ice*) *Dry Ice* *Sleeves* Paper
5. Were custody papers properly filled out (ink, signed, etc.)? NA (Y) N
6. Were samples received in good condition (temperature, unbroken)? *Indicate in the table below.* NA (Y) N
   If applicable, tissue samples were received: *Frozen* *Partially Thawed* *Thawed*
7. Were all sample labels complete (i.e analysis, preservation, etc.)? NA (Y) N
8. Did all sample labels and tags agree with custody papers? *Indicate major discrepancies in the table on page 2.* NA (Y) N
9. Were appropriate bottles/containers and volumes received for the tests indicated? NA (Y) N
10. Were the pH-preserved bottles (*see SMO GEN SOP*) received at the appropriate pH? *Indicate in the table below* (NA) Y N
11. Were VOA vials received without headspace? *Indicate in the table below.* (NA) Y N
12. Was C12/Res negative? (NA) Y N

Sample ID on Bottle	Sample ID on COC	Identified by:

Sample ID	Bottle Count Bottle Type	Out of Temp	Head-space	Broke	pH	Reagent	Volume added	Reagent Lot Number	Initials	Time

*Notes, Discrepancies, & Resolutions:*_____

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360)577-7222 Fax (360)636-1068
www.alsglobal.com

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 12:22
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-27	**Units:**	ng/L
Lab Code:	R1905417-002	**Basis:**	NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluoroalkane Sulfonic Acids							
Perfluorobutane sulfonic acid (PFBS)	**0.54 J**	4.4	0.28	1	06/20/19 21:01	6/18/19	
Perfluorohexane sulfonic acid (PFHxS)	1.3 U	4.4	1.3	1	06/20/19 21:01	6/18/19	
Perfluoroheptane sulfonic acid (PFHpS)	0.44 U	4.4	0.44	1	06/20/19 21:01	6/18/19	
Perfluorooctane sulfonic acid (PFOS)	**5.7**	1.8	0.44	1	06/20/19 21:01	6/18/19	
Perfluorodecane sulfonic acid (PFDS)	0.30 U	4.4	0.30	1	06/20/19 21:01	6/18/19	
Perfluoroalkane Carboxylic Acids							
Perfluorobutanoic acid (PFBA)	**1.9 J**	4.4	0.40	1	06/20/19 21:01	6/18/19	
Perfluoropentanoic acid (PFPeA)	1.7 U	4.4	1.7	1	06/20/19 21:01	6/18/19	
Perfluorohexanoic acid (PFHxA)	8.8 U	9.2	8.8	1	06/20/19 21:01	6/18/19	
Perfluoroheptanoic acid (PFHpA)	0.63 U	4.4	0.63	1	06/20/19 21:01	6/18/19	
Perfluorooctanoic acid (PFOA)	**1.2 J**	1.8	0.35	1	06/20/19 21:01	6/18/19	
Perfluorononanoic acid (PFNA)	1.1 U	4.4	1.1	1	06/20/19 21:01	6/18/19	
Perfluorodecanoic acid (PFDA)	1.2 U	4.4	1.2	1	06/20/19 21:01	6/18/19	
Perfluoroundecanoic acid (PFUnDA)	1.5 U	4.4	1.5	1	06/20/19 21:01	6/18/19	
Perfluorododecanoic acid (PFDoDA)	1.3 U	4.4	1.3	1	06/20/19 21:01	6/18/19	
Perfluorotridecanoic acid (PFTrDA)	1.3 U	4.4	1.3	1	06/20/19 21:01	6/18/19	
Perfluorotetradecanoic acid (PFTeDA)	2.0 U	4.4	2.0	1	06/20/19 21:01	6/18/19	
Perfluoroalkyl Sulfonamides							
Perfluorooctane sulfonamide (FOSA)	0.52 U	4.4	0.52	1	06/20/19 21:01	6/18/19	
N-Methyl perfluorooctane sulfonamidoacetic acid	1.4 U	4.4	1.4	1	06/20/19 21:01	6/18/19	
N-Ethyl perfluorooctane sulfonamidoacetic acid	0.50 U	4.4	0.50	1	06/20/19 21:01	6/18/19	
(n:2) Fluorotelomer Sulfonic Acids							
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	0.55 U	4.4	0.55	1	06/20/19 21:01	6/18/19	
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	0.15 U	4.4	0.15	1	06/20/19 21:01	6/18/19	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 12:22
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-27	**Units:**	ng/L
Lab Code:	R1905417-002	**Basis:**	NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M
Prep Method: EPA 3535A

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
13C3-PFBS	50	20 - 109	06/20/19 21:01	
18O2-PFHxS	59	26 - 122	06/20/19 21:01	
13C4-PFOS	64	25 - 121	06/20/19 21:01	
13C4-PFBA	72	27 - 124	06/20/19 21:01	
13C5-PFPeA	56	27 - 138	06/20/19 21:01	
13C2-PFHxA	83	28 - 132	06/20/19 21:01	
13C4-PFHpA	78	19 - 139	06/20/19 21:01	
13C4-PFOA	110	22 - 130	06/20/19 21:01	
13C5-PFNA	75	20 - 127	06/20/19 21:01	
13C2-PFDA	75	24 - 125	06/20/19 21:01	
13C2-PFUnDA	95	22 - 125	06/20/19 21:01	
13C2-PFDoDA	75	19 - 122	06/20/19 21:01	
13C2-PFTeDA	148	13 - 124	06/20/19 21:01	*
13C8-FOSA	45	18 - 109	06/20/19 21:01	
D3-MeFOSAA	114	9 - 123	06/20/19 21:01	
D5-EtFOSAA	103	12 - 126	06/20/19 21:01	
13C2-6:2 FTS	397	10 - 226	06/20/19 21:01	*
13C2-8:2 FTS	118	10 - 202	06/20/19 21:01	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 10:30
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-15	**Units:**	ng/L
Lab Code:	R1905417-003	**Basis:**	NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluoroalkane Sulfonic Acids							
Perfluorobutane sulfonic acid (PFBS)	**0.88 J**	4.4	0.28	1	06/20/19 21:11	6/18/19	
Perfluorohexane sulfonic acid (PFHxS)	**3.6 J**	4.4	1.3	1	06/20/19 21:11	6/18/19	
Perfluoroheptane sulfonic acid (PFHpS)	0.44 U	4.4	0.44	1	06/20/19 21:11	6/18/19	
Perfluorooctane sulfonic acid (PFOS)	**11**	1.8	0.44	1	06/20/19 21:11	6/18/19	
Perfluorodecane sulfonic acid (PFDS)	0.30 U	4.4	0.30	1	06/20/19 21:11	6/18/19	
Perfluoroalkane Carboxylic Acids							
Perfluorobutanoic acid (PFBA)	0.40 U	4.4	0.40	1	06/20/19 21:11	6/18/19	
Perfluoropentanoic acid (PFPeA)	**4.1 J**	4.4	1.7	1	07/02/19 20:14	6/18/19	
Perfluorohexanoic acid (PFHxA)	8.8 U	9.2	8.8	1	06/20/19 21:11	6/18/19	
Perfluoroheptanoic acid (PFHpA)	**3.8 J**	4.4	0.63	1	06/20/19 21:11	6/18/19	
Perfluorooctanoic acid (PFOA)	**3.4**	1.8	0.35	1	06/20/19 21:11	6/18/19	
Perfluorononanoic acid (PFNA)	1.1 U	4.4	1.1	1	06/20/19 21:11	6/18/19	
Perfluorodecanoic acid (PFDA)	1.2 U	4.4	1.2	1	06/20/19 21:11	6/18/19	
Perfluoroundecanoic acid (PFUnDA)	1.5 U	4.4	1.5	1	06/20/19 21:11	6/18/19	
Perfluorododecanoic acid (PFDoDA)	1.3 U	4.4	1.3	1	06/20/19 21:11	6/18/19	
Perfluorotridecanoic acid (PFTrDA)	1.3 U	4.4	1.3	1	06/20/19 21:11	6/18/19	
Perfluorotetradecanoic acid (PFTeDA)	2.0 U	4.4	2.0	1	06/20/19 21:11	6/18/19	
Perfluoroalkyl Sulfonamides							
Perfluorooctane sulfonamide (FOSA)	0.52 U	4.4	0.52	1	06/20/19 21:11	6/18/19	
N-Methyl perfluorooctane sulfonamidoacetic acid	1.4 U	4.4	1.4	1	06/20/19 21:11	6/18/19	
N-Ethyl perfluorooctane sulfonamidoacetic acid	0.50 U	4.4	0.50	1	06/20/19 21:11	6/18/19	
(n:2) Fluorotelomer Sulfonic Acids							
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	0.55 U	4.4	0.55	1	06/20/19 21:11	6/18/19	
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	0.15 U	4.4	0.15	1	06/20/19 21:11	6/18/19	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 10:30
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-15	**Units:**	ng/L
Lab Code:	R1905417-003	**Basis:**	NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M
Prep Method: EPA 3535A

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
13C3-PFBS	41	20 - 109	06/20/19 21:11	
18O2-PFHxS	51	26 - 122	06/20/19 21:11	
13C4-PFOS	60	25 - 121	06/20/19 21:11	
13C4-PFBA	30	27 - 124	06/20/19 21:11	
13C5-PFPeA	47	27 - 138	07/02/19 20:14	
13C2-PFHxA	46	28 - 132	06/20/19 21:11	
13C4-PFHpA	46	19 - 139	06/20/19 21:11	
13C4-PFOA	83	22 - 130	06/20/19 21:11	
13C5-PFNA	95	20 - 127	06/20/19 21:11	
13C2-PFDA	75	24 - 125	06/20/19 21:11	
13C2-PFUnDA	85	22 - 125	06/20/19 21:11	
13C2-PFDoDA	59	19 - 122	06/20/19 21:11	
13C2-PFTeDA	81	13 - 124	06/20/19 21:11	
13C8-FOSA	42	18 - 109	06/20/19 21:11	
D3-MeFOSAA	92	9 - 123	06/20/19 21:11	
D5-EtFOSAA	74	12 - 126	06/20/19 21:11	
13C2-6:2 FTS	334	10 - 226	06/20/19 21:11	*
13C2-8:2 FTS	110	10 - 202	06/20/19 21:11	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 13:50
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-17	**Units:**	ng/L
Lab Code:	R1905417-011	**Basis:**	NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluoroalkane Sulfonic Acids							
Perfluorobutane sulfonic acid (PFBS)	**0.66 J**	4.3	0.28	1	06/20/19 21:22	6/18/19	
Perfluorohexane sulfonic acid (PFHxS)	1.3 U	4.3	1.3	1	06/20/19 21:22	6/18/19	
Perfluoroheptane sulfonic acid (PFHpS)	0.44 U	4.3	0.44	1	06/20/19 21:22	6/18/19	
Perfluorooctane sulfonic acid (PFOS)	**1.3 J**	1.7	0.44	1	06/20/19 21:22	6/18/19	
Perfluorodecane sulfonic acid (PFDS)	0.30 U	4.3	0.30	1	06/20/19 21:22	6/18/19	
Perfluoroalkane Carboxylic Acids							
Perfluorobutanoic acid (PFBA)	**4.8**	4.3	0.40	1	06/20/19 21:22	6/18/19	
Perfluoropentanoic acid (PFPeA)	1.7 U	4.3	1.7	1	06/20/19 21:22	6/18/19	
Perfluorohexanoic acid (PFHxA)	8.8 U	9.2	8.8	1	06/20/19 21:22	6/18/19	
Perfluoroheptanoic acid (PFHpA)	**1.5 J**	4.3	0.63	1	06/20/19 21:22	6/18/19	
Perfluorooctanoic acid (PFOA)	**2.0**	1.7	0.35	1	06/20/19 21:22	6/18/19	
Perfluorononanoic acid (PFNA)	1.1 U	4.3	1.1	1	06/20/19 21:22	6/18/19	
Perfluorodecanoic acid (PFDA)	1.2 U	4.3	1.2	1	06/20/19 21:22	6/18/19	
Perfluoroundecanoic acid (PFUnDA)	1.5 U	4.3	1.5	1	06/20/19 21:22	6/18/19	
Perfluorododecanoic acid (PFDoDA)	1.3 U	4.3	1.3	1	06/20/19 21:22	6/18/19	
Perfluorotridecanoic acid (PFTrDA)	1.3 U	4.3	1.3	1	06/20/19 21:22	6/18/19	
Perfluorotetradecanoic acid (PFTeDA)	2.0 U	4.3	2.0	1	06/20/19 21:22	6/18/19	
Perfluoroalkyl Sulfonamides							
Perfluorooctane sulfonamide (FOSA)	0.52 U	4.3	0.52	1	06/20/19 21:22	6/18/19	
N-Methyl perfluorooctane sulfonamidoacetic acid	1.4 U	4.3	1.4	1	06/20/19 21:22	6/18/19	
N-Ethyl perfluorooctane sulfonamidoacetic acid	0.50 U	4.3	0.50	1	06/20/19 21:22	6/18/19	
(n:2) Fluorotelomer Sulfonic Acids							
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	0.55 U	4.3	0.55	1	06/20/19 21:22	6/18/19	
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	0.15 U	4.3	0.15	1	06/20/19 21:22	6/18/19	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19 13:50
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	MW-17	**Units:**	ng/L
Lab Code:	R1905417-011	**Basis:**	NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M
Prep Method: EPA 3535A

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
13C3-PFBS	41	20 - 109	06/20/19 21:22	
18O2-PFHxS	56	26 - 122	06/20/19 21:22	
13C4-PFOS	65	25 - 121	06/20/19 21:22	
13C4-PFBA	64	27 - 124	06/20/19 21:22	
13C5-PFPeA	48	27 - 138	06/20/19 21:22	
13C2-PFHxA	76	28 - 132	06/20/19 21:22	
13C4-PFHpA	68	19 - 139	06/20/19 21:22	
13C4-PFOA	85	22 - 130	06/20/19 21:22	
13C5-PFNA	102	20 - 127	06/20/19 21:22	
13C2-PFDA	79	24 - 125	06/20/19 21:22	
13C2-PFUnDA	86	22 - 125	06/20/19 21:22	
13C2-PFDoDA	78	19 - 122	06/20/19 21:22	
13C2-PFTeDA	97	13 - 124	06/20/19 21:22	
13C8-FOSA	43	18 - 109	06/20/19 21:22	
D3-MeFOSAA	94	9 - 123	06/20/19 21:22	
D5-EtFOSAA	75	12 - 126	06/20/19 21:22	
13C2-6:2 FTS	141	10 - 226	06/20/19 21:22	
13C2-8:2 FTS	119	10 - 202	06/20/19 21:22	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	Dupe	**Units:**	ng/L
Lab Code:	R1905417-013	**Basis:**	NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluoroalkane Sulfonic Acids							
Perfluorobutane sulfonic acid (PFBS)	**0.80 J**	4.5	0.28	1	06/20/19 21:32	6/18/19	
Perfluorohexane sulfonic acid (PFHxS)	**2.4 J**	4.5	1.3	1	06/20/19 21:32	6/18/19	
Perfluoroheptane sulfonic acid (PFHpS)	0.44 U	4.5	0.44	1	06/20/19 21:32	6/18/19	
Perfluorooctane sulfonic acid (PFOS)	**11**	1.8	0.44	1	06/20/19 21:32	6/18/19	
Perfluorodecane sulfonic acid (PFDS)	0.30 U	4.5	0.30	1	06/20/19 21:32	6/18/19	
Perfluoroalkane Carboxylic Acids							
Perfluorobutanoic acid (PFBA)	0.40 U	4.5	0.40	1	07/02/19 20:25	6/18/19	
Perfluoropentanoic acid (PFPeA)	**3.6 J**	4.5	1.7	1	07/02/19 20:25	6/18/19	
Perfluorohexanoic acid (PFHxA)	8.8 U	9.2	8.8	1	06/20/19 21:32	6/18/19	
Perfluoroheptanoic acid (PFHpA)	**3.1 J**	4.5	0.63	1	06/20/19 21:32	6/18/19	
Perfluorooctanoic acid (PFOA)	**3.2**	1.8	0.35	1	06/20/19 21:32	6/18/19	
Perfluorononanoic acid (PFNA)	1.1 U	4.5	1.1	1	06/20/19 21:32	6/18/19	
Perfluorodecanoic acid (PFDA)	1.2 U	4.5	1.2	1	06/20/19 21:32	6/18/19	
Perfluoroundecanoic acid (PFUnDA)	1.5 U	4.5	1.5	1	06/20/19 21:32	6/18/19	
Perfluorododecanoic acid (PFDoDA)	1.3 U	4.5	1.3	1	06/20/19 21:32	6/18/19	
Perfluorotridecanoic acid (PFTrDA)	1.3 U	4.5	1.3	1	06/20/19 21:32	6/18/19	
Perfluorotetradecanoic acid (PFTeDA)	2.0 U	4.5	2.0	1	06/20/19 21:32	6/18/19	
Perfluoroalkyl Sulfonamides							
Perfluorooctane sulfonamide (FOSA)	0.52 U	4.5	0.52	1	06/20/19 21:32	6/18/19	
N-Methyl perfluorooctane sulfonamidoacetic acid	1.4 U	4.5	1.4	1	06/20/19 21:32	6/18/19	
N-Ethyl perfluorooctane sulfonamidoacetic acid	0.50 U	4.5	0.50	1	06/20/19 21:32	6/18/19	
(n:2) Fluorotelomer Sulfonic Acids							
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	0.55 U	4.5	0.55	1	06/20/19 21:32	6/18/19	
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	0.15 U	4.5	0.15	1	06/20/19 21:32	6/18/19	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	06/10/19
Sample Matrix:	Water	**Date Received:**	06/12/19 09:25
Sample Name:	Dupe	**Units:**	ng/L
Lab Code:	R1905417-013	**Basis:**	NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M
Prep Method: EPA 3535A

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
13C3-PFBS	40	20 - 109	06/20/19 21:32	
18O2-PFHxS	55	26 - 122	06/20/19 21:32	
13C4-PFOS	64	25 - 121	06/20/19 21:32	
13C4-PFBA	30	27 - 124	07/02/19 20:25	
13C5-PFPeA	45	27 - 138	07/02/19 20:25	
13C2-PFHxA	52	28 - 132	06/20/19 21:32	
13C4-PFHpA	45	19 - 139	06/20/19 21:32	
13C4-PFOA	86	22 - 130	06/20/19 21:32	
13C5-PFNA	98	20 - 127	06/20/19 21:32	
13C2-PFDA	81	24 - 125	06/20/19 21:32	
13C2-PFUnDA	95	22 - 125	06/20/19 21:32	
13C2-PFDoDA	66	19 - 122	06/20/19 21:32	
13C2-PFTeDA	97	13 - 124	06/20/19 21:32	
13C8-FOSA	46	18 - 109	06/20/19 21:32	
D3-MeFOSAA	99	9 - 123	06/20/19 21:32	
D5-EtFOSAA	88	12 - 126	06/20/19 21:32	
13C2-6:2 FTS	367	10 - 226	06/20/19 21:32	*
13C2-8:2 FTS	117	10 - 202	06/20/19 21:32	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ng/L
Lab Code:	KQ1908479-03	**Basis:**	NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluoroalkane Sulfonic Acids							
Perfluorobutane sulfonic acid (PFBS)	0.28 U	5.0	0.28	1	06/20/19 19:06	6/18/19	
Perfluorohexane sulfonic acid (PFHxS)	1.3 U	5.0	1.3	1	06/20/19 19:06	6/18/19	
Perfluoroheptane sulfonic acid (PFHpS)	0.44 U	5.0	0.44	1	06/20/19 19:06	6/18/19	
Perfluorooctane sulfonic acid (PFOS)	0.44 U	2.0	0.44	1	06/20/19 19:06	6/18/19	
Perfluorodecane sulfonic acid (PFDS)	0.30 U	5.0	0.30	1	06/20/19 19:06	6/18/19	
Perfluoroalkane Carboxylic Acids							
Perfluorobutanoic acid (PFBA)	0.40 U	5.0	0.40	1	06/20/19 19:06	6/18/19	
Perfluoropentanoic acid (PFPeA)	1.7 U	5.0	1.7	1	06/20/19 19:06	6/18/19	
Perfluorohexanoic acid (PFHxA)	8.8 U	10	8.8	1	06/20/19 19:06	6/18/19	
Perfluoroheptanoic acid (PFHpA)	0.63 U	5.0	0.63	1	06/20/19 19:06	6/18/19	
Perfluorooctanoic acid (PFOA)	0.35 U	2.0	0.35	1	06/20/19 19:06	6/18/19	
Perfluorononanoic acid (PFNA)	1.1 U	5.0	1.1	1	06/20/19 19:06	6/18/19	
Perfluorodecanoic acid (PFDA)	1.2 U	5.0	1.2	1	06/20/19 19:06	6/18/19	
Perfluoroundecanoic acid (PFUnDA)	1.5 U	5.0	1.5	1	06/20/19 19:06	6/18/19	
Perfluorododecanoic acid (PFDoDA)	1.3 U	5.0	1.3	1	06/20/19 19:06	6/18/19	
Perfluorotridecanoic acid (PFTrDA)	1.3 U	5.0	1.3	1	06/20/19 19:06	6/18/19	
Perfluorotetradecanoic acid (PFTeDA)	2.0 U	5.0	2.0	1	06/20/19 19:06	6/18/19	
Perfluoroalkyl Sulfonamides							
Perfluorooctane sulfonamide (FOSA)	0.52 U	5.0	0.52	1	06/20/19 19:06	6/18/19	
N-Methyl perfluorooctane sulfonamidoacetic acid	1.4 U	5.0	1.4	1	06/20/19 19:06	6/18/19	
N-Ethyl perfluorooctane sulfonamidoacetic acid	0.50 U	5.0	0.50	1	06/20/19 19:06	6/18/19	
(n:2) Fluorotelomer Sulfonic Acids							
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	0.55 U	5.0	0.55	1	06/20/19 19:06	6/18/19	
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	0.15 U	5.0	0.15	1	06/20/19 19:06	6/18/19	

Analytical Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ng/L
Lab Code:	KQ1908479-03	**Basis:**	NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M
Prep Method: EPA 3535A

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
13C3-PFBS	43	20 - 109	06/20/19 19:06	
18O2-PFHxS	60	26 - 122	06/20/19 19:06	
13C4-PFOS	58	25 - 121	06/20/19 19:06	
13C4-PFBA	60	27 - 124	06/20/19 19:06	
13C5-PFPeA	52	27 - 138	06/20/19 19:06	
13C2-PFHxA	68	28 - 132	06/20/19 19:06	
13C4-PFHpA	75	19 - 139	06/20/19 19:06	
13C4-PFOA	83	22 - 130	06/20/19 19:06	
13C5-PFNA	80	20 - 127	06/20/19 19:06	
13C2-PFDA	77	24 - 125	06/20/19 19:06	
13C2-PFUnDA	91	22 - 125	06/20/19 19:06	
13C2-PFDoDA	78	19 - 122	06/20/19 19:06	
13C2-PFTeDA	87	13 - 124	06/20/19 19:06	
13C8-FOSA	46	18 - 109	06/20/19 19:06	
D3-MeFOSAA	114	9 - 123	06/20/19 19:06	
D5-EtFOSAA	98	12 - 126	06/20/19 19:06	
13C2-6:2 FTS	122	10 - 226	06/20/19 19:06	
13C2-8:2 FTS	132	10 - 202	06/20/19 19:06	

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility/08212777
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M
Extraction Method: EPA 3535A

Surrogate	Control Limits	MW-27 R1905417-002	MW-15 R1905417-003	MW-17 R1905417-011
13C3-PFBS	20-109	50	41	41
18O2-PFHxS	26-122	59	51	56
13C4-PFOS	25-121	64	60	65
13C4-PFBA	27-124	72	30	64
13C5-PFPeA	27-138	56	47	48
13C2-PFHxA	28-132	83	46	76
13C4-PFHpA	19-139	78	46	68
13C4-PFOA	22-130	110	83	85
13C5-PFNA	20-127	75	95	102
13C2-PFDA	24-125	75	75	79
13C2-PFUnDA	22-125	95	85	86
13C2-PFDoDA	19-122	75	59	78
13C2-PFTeDA	13-124	148*	81	97
13C8-FOSA	18-109	45	42	43
D3-MeFOSAA	9-123	114	92	94
D5-EtFOSAA	12-126	103	74	75
13C2-6:2 FTS	10-226	397*	334*	141
13C2-8:2 FTS	10-202	118	110	119

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with an pound (#) indicate the control criteria is not acceptable.

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility/08212777
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M
Extraction Method: EPA 3535A

Surrogate	Control Limits	Dupe R1905417-013	Method Blank KQ1908479-03	Lab Control Sample KQ1908479-01
13C3-PFBS	20-109	40	43	44
18O2-PFHxS	26-122	55	60	62
13C4-PFOS	25-121	64	58	56
13C4-PFBA	27-124	30	60	61
13C5-PFPeA	27-138	45	52	53
13C2-PFHxA	28-132	52	68	74
13C4-PFHpA	19-139	45	75	78
13C4-PFOA	22-130	86	83	83
13C5-PFNA	20-127	98	80	84
13C2-PFDA	24-125	81	77	69
13C2-PFUnDA	22-125	95	91	84
13C2-PFDoDA	19-122	66	78	65
13C2-PFTeDA	13-124	97	87	109
13C8-FOSA	18-109	46	46	41
D3-MeFOSAA	9-123	99	114	111
D5-EtFOSAA	12-126	88	98	95
13C2-6:2 FTS	10-226	367*	122	112
13C2-8:2 FTS	10-202	117	132	116

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with an pound (#) indicate the control criteria is not acceptable.

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility/08212777
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M
Extraction Method: EPA 3535A

Surrogate	Control Limits	Duplicate Lab Control Sample KQ1908479-02
13C3-PFBS	20-109	41
18O2-PFHxS	26-122	61
13C4-PFOS	25-121	54
13C4-PFBA	27-124	60
13C5-PFPeA	27-138	51
13C2-PFHxA	28-132	71
13C4-PFHpA	19-139	77
13C4-PFOA	22-130	82
13C5-PFNA	20-127	80
13C2-PFDA	24-125	69
13C2-PFUnDA	22-125	91
13C2-PFDoDA	19-122	70
13C2-PFTeDA	13-124	104
13C8-FOSA	18-109	43
D3-MeFOSAA	9-123	113
D5-EtFOSAA	12-126	102
13C2-6:2 FTS	10-226	110
13C2-8:2 FTS	10-202	114

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with an pound (#) indicate the control criteria is not acceptable.

QA/QC Report

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:**R1905417
Project: Former Borden Facility/08212777 **Date Analyzed:**06/20/19 18:45

Internal Standard Area and RT SUMMARY

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

File ID: J:\LCMS06\Data\190620_b2\190620_032 **Lab Code:**KQ1908636-01
Instrument ID: K-LCMS-06 **Analysis Lot:**640215
Analysis Method: PFC/537M **Signal ID:**1

		13C7-PFUnDA	
		Area	**RT**
	Result ==>	5,499,785	5.140
	Upper Limit ==>	10,999,570	6.14
	Lower Limit ==>	2,749,893	4.14
Associated Analyses			
Continuing Calibration Blank	KQ1908636-02	6230605	5.139
Method Blank	KQ1908479-03	6844398	5.137
Lab Control Sample	KQ1908479-01	6801391	5.133
Duplicate Lab Control Sample	KQ1908479-02	7032506	5.134
MW-27	R1905417-002	6124493	5.139
MW-15	R1905417-003	6212917	5.132
MW-17	R1905417-011	6733490	5.138
Dupe	R1905417-013	5785251	5.133

QA/QC Report

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:**R1905417
Project: Former Borden Facility/08212777 **Date Analyzed:**07/02/19 19:53

Internal Standard Area and RT SUMMARY

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

File ID: J:\LCMS06\Data\190702_b3\190702_050 **Lab Code:**KQ1909238-01
Instrument ID: K-LCMS-06 **Analysis Lot:**641752
Analysis Method: PFC/537M **Signal ID:**1

		13C7-PFUnDA	
		Area	**RT**
	Result ==>	5,662,421	5.123
	Upper Limit ==>	11,324,842	6.12
	Lower Limit ==>	2,831,211	4.12

Associated Analyses

Continuing Calibration Blank	KQ1909238-02	6200421	5.123
MW-15	R1905417-003	6162032	5.122
Dupe	R1905417-013	6035938	5.121

QA/QC Report

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Analyzed:**	06/20/19
Sample Matrix:	Water	**Date Extracted:**	06/18/19

Duplicate Lab Control Sample Summary
Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method:	PFC/537M	**Units:**	ng/L
Prep Method:	EPA 3535A	**Basis:**	NA
		Analysis Lot:	640215

	Lab Control Sample KQ1908479-01			Duplicate Lab Control Sample KQ1908479-02					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	28.6	30.4	94	28.3	30.4	93	71-142	<1	30
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	34.9	30.7	114	35.4	30.7	115	69-137	1	30
N-Ethyl perfluorooctane sulfonamidoacetic acid	31.3	32.0	98	28.6	32.0	89	58-155	9	30
N-Methyl perfluorooctane sulfonamidoacetic acid	35.3	32.0	110	34.5	32.0	108	69-151	2	30
Perfluorobutane sulfonic acid (PFBS)	29.3	28.4	103	30.7	28.4	108	61-140	5	30
Perfluorobutanoic acid (PFBA)	32.9	32.0	103	32.7	32.0	102	51-157	<1	30
Perfluorodecane sulfonic acid (PFDS)	24.7	30.9	80	26.8	30.9	87	69-146	8	30
Perfluorodecanoic acid (PFDA)	32.5	32.0	102	29.8	32.0	93	73-136	9	30
Perfluorododecanoic acid (PFDoDA)	28.4	32.0	89	30.6	32.0	96	71-138	7	30
Perfluoroheptane sulfonic acid (PFHpS)	29.1	30.5	95	28.4	30.5	93	62-178	2	30
Perfluoroheptanoic acid (PFHpA)	31.3	32.0	98	31.1	32.0	97	72-133	<1	30
Perfluorohexane sulfonic acid (PFHxS)	27.7	29.2	95	27.6	29.2	95	69-144	<1	30
Perfluorohexanoic acid (PFHxA)	32.3	32.0	101	32.0	32.0	100	71-138	1	30
Perfluorononanoic acid (PFNA)	29.7	32.0	93	28.7	32.0	90	69-148	3	30
Perfluorooctane sulfonamide (FOSA)	32.6	32.0	102	30.2	32.0	94	64-135	8	30
Perfluorooctane sulfonic acid (PFOS)	25.6	29.7	86	26.0	29.7	88	71-139	1	30
Perfluorooctanoic acid (PFOA)	30.5	32.0	95	30.0	32.0	94	74-146	2	30
Perfluoropentanoic acid (PFPeA)	31.2	32.0	97	31.1	32.0	97	67-127	<1	30
Perfluorotetradecanoic acid (PFTeDA)	33.7	32.0	105	32.6	32.0	102	63-139	3	30
Perfluorotridecanoic acid (PFTrDA)	21.9	32.0	68	25.3	32.0	79	65-140	14	30
Perfluoroundecanoic acid (PFUnDA)	30.3	32.0	95	30.0	32.0	94	76-134	<1	30

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Analyzed:**	06/20/19 19:06
Sample Matrix:	Water	**Date Extracted:**	06/18/19

Method Blank Summary

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Sample Name:	Method Blank	**Instrument ID:**	K-LCMS-06
Lab Code:	KQ1908479-03	**File ID:**	J:\LCMS06\Data\190620_b2\190620_034
Analysis Method:	PFC/537M	**Analysis Lot:**	640215,641752
Prep Method:	EPA 3535A	**Extraction Lot:**	338877

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	KQ1908479-01	J:\LCMS06\Data\190620_b2\190620_035	06/20/19 19:16
Duplicate Lab Control Sample	KQ1908479-02	J:\LCMS06\Data\190620_b2\190620_036	06/20/19 19:27
MW-27	R1905417-002	J:\LCMS06\Data\190620_b2\190620_045	06/20/19 21:01
MW-15	R1905417-003	J:\LCMS06\Data\190620_b2\190620_046	06/20/19 21:11
MW-17	R1905417-011	J:\LCMS06\Data\190620_b2\190620_047	06/20/19 21:22
Dupe	R1905417-013	J:\LCMS06\Data\190620_b2\190620_048	06/20/19 21:32
MW-15	R1905417-003	J:\LCMS06\Data\190702_b3\190702_052	07/02/19 20:14
Dupe	R1905417-013	J:\LCMS06\Data\190702_b3\190702_053	07/02/19 20:25

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Analyzed:**	06/20/19 19:16
Sample Matrix:	Water	**Date Extracted:**	06/18/19

Lab Control Sample Summary
Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Sample Name:	Lab Control Sample	**Instrument ID:**	K-LCMS-06
Lab Code:	KQ1908479-01	**File ID:**	J:\LCMS06\Data\190620_b2\190620_035
Analysis Method:	PFC/537M	**Analysis Lot:**	640215,641752
Prep Method:	EPA 3535A	**Extraction Lot:**	338877

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	KQ1908479-03	J:\LCMS06\Data\190620_b2\190620_034	06/20/19 19:06
Duplicate Lab Control Sample	KQ1908479-02	J:\LCMS06\Data\190620_b2\190620_036	06/20/19 19:27
MW-27	R1905417-002	J:\LCMS06\Data\190620_b2\190620_045	06/20/19 21:01
MW-15	R1905417-003	J:\LCMS06\Data\190620_b2\190620_046	06/20/19 21:11
MW-17	R1905417-011	J:\LCMS06\Data\190620_b2\190620_047	06/20/19 21:22
Dupe	R1905417-013	J:\LCMS06\Data\190620_b2\190620_048	06/20/19 21:32
MW-15	R1905417-003	J:\LCMS06\Data\190702_b3\190702_052	07/02/19 20:14
Dupe	R1905417-013	J:\LCMS06\Data\190702_b3\190702_053	07/02/19 20:25

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility **Calibration Date:** 6/18/2019

Initial Calibration Summary
Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Calibration ID: KC1900234 **Signal ID:** 1
Instrument ID: K-LCMS-06

#	Lab Code	Sample Name	File Location	Acquisition Date
01	KC1900234-01	0.05 PPB ICAL	190618_028	06/18/2019 15:33
02	KC1900234-02	0.10 PPB ICAL	190618_029	06/18/2019 15:43
03	KC1900234-03	0.50 PPB ICAL	190618_030	06/18/2019 15:54
04	KC1900234-04	1.0 PPB ICAL	190618_031	06/18/2019 16:04
05	KC1900234-05	5.0 PPB ICAL	190618_032	06/18/2019 16:15
06	KC1900234-06	10.0 PPB ICAL	190618_033	06/18/2019 16:25
07	KC1900234-07	15.0 PPB ICAL	190618_034	06/18/2019 16:36

Analyte

13C2-6:2 FTS

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	5.0000	0.1337	02	5.0000	0.1178	03	5.0000	0.1345	04	5.0000	0.1246
05	5.0000	0.1245	06	5.0000	0.1283	07	5.0000	0.1214			

13C2-8:2 FTS

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	5.0000	0.07717	02	5.0000	0.0665	03	5.0000	0.0709	04	5.0000	0.06698
05	5.0000	0.06823	06	5.0000	0.07208	07	5.0000	0.06969			

13C2-PFDA

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	5.0000	1.054	02	5.0000	1.005	03	5.0000	1.032	04	5.0000	0.9218
05	5.0000	0.8923	06	5.0000	0.9485	07	5.0000	0.9041			

13C2-PFDoDA

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	5.0000	1.185	02	5.0000	1.159	03	5.0000	1.179	04	5.0000	1.043
05	5.0000	1.04	06	5.0000	1.094	07	5.0000	1.109			

13C2-PFHxA

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	5.0000	1.396	02	5.0000	1.343	03	5.0000	1.532	04	5.0000	1.23
05	5.0000	1.172	06	5.0000	1.23	07	5.0000	1.224			

13C2-PFTeDA

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	5.0000	0.8949	02	5.0000	0.877	03	5.0000	0.9059	04	5.0000	0.8312
05	5.0000	0.7985	06	5.0000	0.8152	07	5.0000	0.8258			

13C2-PFUnDA

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	5.0000	0.7908	02	5.0000	0.796	03	5.0000	0.7927	04	5.0000	0.8158
05	5.0000	0.7817	06	5.0000	0.7942	07	5.0000	0.7808			

13C3-PFBS

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	5.0000	0.3616	02	5.0000	0.3361	03	5.0000	0.3792	04	5.0000	0.3236

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility **Calibration Date:** 6/18/2019

Initial Calibration Summary
Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Calibration ID: KC1900234 **Signal ID:** 1
Instrument ID: K-LCMS-06

Analyte

13C3-PFBS

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
05	5.0000	0.3296	06	5.0000	0.3566	07	5.0000	0.3566			

13C4-PFBA

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	5.0000	0.9902	02	5.0000	0.9418	03	5.0000	1.001	04	5.0000	0.8923
05	5.0000	0.9	06	5.0000	0.9718	07	5.0000	0.9843			

13C4-PFHpA

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	5.0000	1.499	02	5.0000	1.104	03	5.0000	1.526	04	5.0000	1.212
05	5.0000	1.158	06	5.0000	1.186	07	5.0000	1.168			

13C4-PFOA

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	5.0000	1.684	02	5.0000	1.568	03	5.0000	1.699	04	5.0000	1.538
05	5.0000	1.465	06	5.0000	1.433	07	5.0000	1.357			

13C4-PFOS

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	5.0000	0.2356	02	5.0000	0.2038	03	5.0000	0.2357	04	5.0000	0.2196
05	5.0000	0.2171	06	5.0000	0.2336	07	5.0000	0.2317			

13C5-PFNA

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	5.0000	1.163	02	5.0000	1.006	03	5.0000	1.174	04	5.0000	0.9677
05	5.0000	0.9532	06	5.0000	0.9899	07	5.0000	0.9608			

13C5-PFPeA

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	5.0000	0.6093	02	5.0000	0.5742	03	5.0000	0.6085	04	5.0000	0.5553
05	5.0000	0.5486	06	5.0000	0.5775	07	5.0000	0.5753			

13C8-FOSA

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	5.0000	0.6179	02	5.0000	0.5785	03	5.0000	0.6517	04	5.0000	0.5519
05	5.0000	0.5551	06	5.0000	0.5917	07	5.0000	0.5927			

18O2-PFHxS

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	5.0000	0.2096	02	5.0000	0.1473	03	5.0000	0.2167	04	5.0000	0.1624
05	5.0000	0.1622	06	5.0000	0.1777	07	5.0000	0.1806			

6:2 Fluorotelomer sulfonic acid (6:2 FTS)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.0476	1.22	02	0.0951	1.511	03	0.4756	1.32	04	0.9512	1.185
05	4.7558	1.164	06	9.5117	1.126	07	14.2676	1.117			

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility **Calibration Date:** 6/18/2019

Initial Calibration Summary
Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Calibration ID: KC1900234 **Signal ID:** 1
Instrument ID: K-LCMS-06

Analyte

8:2 Fluorotelomer sulfonic acid (8:2 FTS)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.0480	0.8256	02	0.0960	0.7681	03	0.4800	0.9249	04	0.9600	0.7685
05	4.8002	0.7022	06	9.6004	0.6885	07	14.4007	0.6638			

D3-MeFOSAA

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	5.0000	0.1169	02	5.0000	0.1164	03	5.0000	0.1223	04	5.0000	0.1147
05	5.0000	0.1125	06	5.0000	0.128	07	5.0000	0.1258			

D5-EtFOSAA

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	5.0000	0.1117	02	5.0000	0.1048	03	5.0000	0.1229	04	5.0000	0.09668
05	5.0000	0.09227	06	5.0000	0.1063	07	5.0000	0.1022			

N-Ethyl perfluorooctane sulfonamidoacetic acid

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	0.1000	0.6518	03	0.5000	0.4978	04	1.0000	0.6762	05	5.0000	0.6979
06	10.0000	0.5996	07	15.0000	0.6646						

N-Methyl perfluorooctane sulfonamidoacetic acid

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.0500	0.4975	02	0.1000	0.6526	03	0.5000	0.7633	04	1.0000	0.6248
05	5.0000	0.7221	06	10.0000	0.6943	07	15.0000	0.6904			

Perfluorobutane sulfonic acid (PFBS)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.0444	1.327	02	0.0887	1.197	03	0.4437	1.142	04	0.8874	1.145
05	4.4368	1.102	06	8.8737	1.142	07	13.3106	1.158			

Perfluorobutanoic acid (PFBA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	0.1000	1.036	03	0.5000	1.073	04	1.0000	1.009	05	5.0000	0.9802
06	10.0000	1.018	07	15.0000	1.01						

Perfluorodecane sulfonic acid (PFDS)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.0482	1.064	02	0.0965	1.026	03	0.4823	0.9911	04	0.9647	0.7642
05	4.8233	0.8153	06	9.6467	0.8224	07	14.4700	0.8092			

Perfluorodecanoic acid (PFDA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.0500	1.064	02	0.1000	1.036	03	0.5000	1.024	04	1.0000	0.997
05	5.0000	0.9943	06	10.0000	0.9829	07	15.0000	1.027			

Perfluorododecanoic acid (PFDoDA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.0500	0.7919	02	0.1000	0.7148	03	0.5000	0.6486	04	1.0000	0.5925
05	5.0000	0.6141	06	10.0000	0.6224	07	15.0000	0.6111			

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility **Calibration Date:** 6/18/2019

Initial Calibration Summary
Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Calibration ID: KC1900234 **Signal ID:** 1
Instrument ID: K-LCMS-06

Analyte

Perfluoroheptane sulfonic acid (PFHpS)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.0477	1.42	02	0.0953	1.88	03	0.4767	1.415	04	0.9534	1.704
05	4.7672	1.681	06	9.5344	1.67	07	14.3016	1.582			

Perfluoroheptanoic acid (PFHpA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.0500	1.217	02	0.1000	1.132	03	0.5000	1.003	04	1.0000	0.9169
05	5.0000	0.928	06	10.0000	0.9366	07	15.0000	0.9481			

Perfluorohexane sulfonic acid (PFHxS)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	0.0913	2.05	03	0.4565	1.292	04	0.9131	1.339	05	4.5654	1.316
06	9.1308	1.347	07	13.6961	1.3						

Perfluorohexanoic acid (PFHxA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.0500	1.709	02	0.1000	1.504	03	0.5000	1.222	04	1.0000	1.131
05	5.0000	1.097	06	10.0000	1.124	07	15.0000	1.146			

Perfluorononanoic acid (PFNA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.0500	1.226	02	0.1000	1.163	03	0.5000	0.9192	04	1.0000	0.9146
05	5.0000	0.889	06	10.0000	0.886	07	15.0000	0.9034			

Perfluorooctane sulfonamide (FOSA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.0500	1.373	02	0.1000	1.393	03	0.5000	1.234	04	1.0000	1.224
05	5.0000	1.202	06	10.0000	1.264	07	15.0000	1.267			

Perfluorooctane sulfonic acid (PFOS)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.0465	0.881	02	0.0929	0.8656	03	0.4646	0.8194	04	0.9292	0.8095
05	4.6461	0.8158	06	9.2923	0.8212	07	13.9384	0.8289			

Perfluorooctanoic acid (PFOA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.0500	1.243	02	0.1000	1.103	03	0.5000	0.9632	04	1.0000	0.8945
05	5.0000	0.8715	06	10.0000	0.9323	07	15.0000	0.9193			

Perfluoropentanoic acid (PFPeA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.0500	8.297	02	0.1000	5.299	03	0.5000	3.115	04	1.0000	2.644
05	5.0000	2.351	06	10.0000	2.458	07	15.0000	2.459			

Perfluorotetradecanoic acid (PFTeDA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.0500	1.342	02	0.1000	0.8397	03	0.5000	0.45	04	1.0000	0.3793
05	5.0000	0.3466	06	10.0000	0.3469	07	15.0000	0.344			

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility **Calibration Date:** 6/18/2019

Initial Calibration Summary
Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Calibration ID: KC1900234 **Signal ID:** 1
Instrument ID: K-LCMS-06

Analyte

Perfluorotridecanoic acid (PFTrDA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.0500	1.175	02	0.1000	1.166	03	0.5000	0.9003	04	1.0000	0.8771
05	5.0000	0.9424	06	10.0000	0.977	07	15.0000	0.9691			

Perfluoroundecanoic acid (PFUnDA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.0500	1.531	02	0.1000	1.038	03	0.5000	0.9515	04	1.0000	0.8505
05	5.0000	0.8643	06	10.0000	0.865	07	15.0000	0.8602			

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility **Calibration Date:** 6/18/2019

Initial Calibration Summary
Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Calibration ID: KC1900234 **Signal ID:** 1
Instrument ID: K-LCMS-06

Analyte Name	Compound Type	Calibration Evaluation				Calibration Evaluation	
		Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
13C2-6:2 FTS	SURR	Average RF	% RSD	4.9	≤20	0.1264	
13C2-8:2 FTS	SURR	Average RF	% RSD	5.2	≤20	0.07022	
13C2-PFDA	SURR	Average RF	% RSD	6.7	≤20	0.9653	
13C2-PFDoDA	SURR	Average RF	% RSD	5.5	≤20	1.116	
13C2-PFHxA	SURR	Average RF	% RSD	9.7	≤20	1.304	
13C2-PFTeDA	SURR	Average RF	% RSD	5.0	≤20	0.8498	
13C2-PFUnDA	SURR	Average RF	% RSD	1.5	≤20	0.7931	
13C3-PFBS	SURR	Average RF	% RSD	5.7	≤20	0.3491	
13C4-PFBA	SURR	Average RF	% RSD	4.6	≤20	0.9545	
13C4-PFHpA	SURR	Average RF	% RSD	13.7	≤20	1.265	
13C4-PFOA	SURR	Average RF	% RSD	8.3	≤20	1.535	
13C4-PFOS	SURR	Average RF	% RSD	5.4	≤20	0.2253	
13C5-PFNA	SURR	Average RF	% RSD	9.3	≤20	1.031	
13C5-PFPeA	SURR	Average RF	% RSD	4.1	≤20	0.5784	
13C8-FOSA	SURR	Average RF	% RSD	5.9	≤20	0.5913	
18O2-PFHxS	SURR	Average RF	% RSD	14.2	≤20	0.1795	
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	TRG	Average RF	% RSD	11.3	≤20	1.235	
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	TRG	Average RF	% RSD	11.9	≤20	0.7631	
D3-MeFOSAA	SURR	Average RF	% RSD	4.9	≤20	0.1195	
D5-EtFOSAA	SURR	Average RF	% RSD	9.5	≤20	0.1053	
N-Ethyl perfluorooctane sulfonamidoacetic acid	TRG	Average RF	% RSD	11.6	≤20	0.6313	
N-Methyl perfluorooctane sulfonamidoacetic acid	TRG	Average RF	% RSD	12.9	≤20	0.6636	
Perfluorobutane sulfonic acid (PFBS)	TRG	Average RF	% RSD	6.2	≤20	1.173	
Perfluorobutanoic acid (PFBA)	TRG	Average RF	% RSD	3.0	≤20	1.021	
Perfluorodecane sulfonic acid (PFDS)	TRG	Average RF	% RSD	13.7	≤20	0.8989	
Perfluorodecanoic acid (PFDA)	TRG	Average RF	% RSD	2.8	≤20	1.018	
Perfluorododecanoic acid (PFDoDA)	TRG	Linear	R2	0.9998	≥0.99	0.6565	
Perfluoroheptane sulfonic acid (PFHpS)	TRG	Average RF	% RSD	10.2	≤20	1.622	
Perfluoroheptanoic acid (PFHpA)	TRG	Linear	R2	0.9998	≥0.99	1.012	
Perfluorohexane sulfonic acid (PFHxS)	TRG	Linear	R2	0.9966	≥0.99	1.441	
Perfluorohexanoic acid (PFHxA)	TRG	Linear	R2	0.9985	≥0.99	1.276	

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility **Calibration Date:** 6/18/2019

Initial Calibration Summary
Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Calibration ID: KC1900234 **Signal ID:** 1
Instrument ID: K-LCMS-06

Analyte Name	Compound Type	Calibration Evaluation				Calibration Evaluation	
		Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
Perfluorononanoic acid (PFNA)	TRG	Linear	R2	0.9999	≥0.99	0.9859	
Perfluorooctane sulfonamide (FOSA)	TRG	Average RF	% RSD	5.8	≤20	1.28	
Perfluorooctane sulfonic acid (PFOS)	TRG	Average RF	% RSD	3.3	≤20	0.8345	
Perfluorooctanoic acid (PFOA)	TRG	Linear	R2	0.9989	≥0.99	0.9895	
Perfluoropentanoic acid (PFPeA)	TRG	Linear	R2	0.9995	≥0.99	3.803	
Perfluorotetradecanoic acid (PFTeDA)	TRG	Linear	R2	0.9996	≥0.99	0.5783	
Perfluorotridecanoic acid (PFTrDA)	TRG	Linear	R2	0.9993	≥0.99	1.001	
Perfluoroundecanoic acid (PFUnDA)	TRG	Linear	R2	0.9998	≥0.99	0.9943	

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility **Calibration Date:** 6/24/2019

Initial Calibration Summary
Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Calibration ID: KC1900243 **Signal ID:** 1
Instrument ID: K-LCMS-06

#	Lab Code	Sample Name	File Location	Acquisition Date
01	KC1900243-01	0.05 PPB ICAL	190621_022	06/24/2019 18:26
02	KC1900243-02	0.10 PPB ICAL	190621_023	06/24/2019 18:36
03	KC1900243-03	0.50 PPB ICAL	190621_024	06/24/2019 18:47
04	KC1900243-04	1.0 PPB ICAL	190621_025	06/24/2019 18:57
05	KC1900243-05	5.0 PPB ICAL	190621_026	06/24/2019 19:08
06	KC1900243-06	10.0 PPB ICAL	190621_027	06/24/2019 19:18
07	KC1900243-07	15.0 PPB ICAL	190621_028	06/24/2019 19:29

Analyte

13C2-PFTeDA

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	5.0000	0.9717	02	5.0000	0.8833	03	5.0000	1.056	04	5.0000	0.9431
05	5.0000	0.8506	06	5.0000	0.8773	07	5.0000	1.118			

13C4-PFBA

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	5.0000	0.597	02	5.0000	0.5859	03	5.0000	0.6648	04	5.0000	0.6273
05	5.0000	0.6125	06	5.0000	0.6541	07	5.0000	0.8078			

13C4-PFOS

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	5.0000	0.1299	02	5.0000	0.1364	03	5.0000	0.1442	04	5.0000	0.1445
05	5.0000	0.1316	06	5.0000	0.1412	07	5.0000	0.1473			

13C5-PFPeA

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	5.0000	0.36	02	5.0000	0.3522	03	5.0000	0.3997	04	5.0000	0.3768
05	5.0000	0.3608	06	5.0000	0.3846	07	5.0000	0.4647			

Perfluorobutanoic acid (PFBA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	0.1000	1.024	03	0.5000	1.065	04	1.0000	1.023	05	5.0000	0.9901
06	10.0000	1.026	07	15.0000	1.019						

Perfluorooctane sulfonic acid (PFOS)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.0465	0.798	02	0.0929	0.8219	03	0.4646	0.8006	04	0.9292	0.7033
05	4.6461	0.7008	06	9.2923	0.7091	07	13.9384	0.75			

Perfluoropentanoic acid (PFPeA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.0500	8.486	02	0.1000	5.743	03	0.5000	3.152	04	1.0000	2.731
05	5.0000	2.413	06	10.0000	2.508	07	15.0000	2.484			

Perfluorotetradecanoic acid (PFTeDA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.0500	1.307	02	0.1000	0.8446	03	0.5000	0.4207	04	1.0000	0.3557

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility **Calibration Date:** 6/24/2019

Initial Calibration Summary
Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Calibration ID: KC1900243 **Signal ID:** 1
Instrument ID: K-LCMS-06

Analyte

Perfluorotetradecanoic acid (PFTeDA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
05	5.0000	0.3166	06	10.0000	0.3338	07	15.0000	0.3221			

Perfluorotridecanoic acid (PFTrDA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.0500	1.012	02	0.1000	1.062	03	0.5000	0.9333	04	1.0000	0.9003
05	5.0000	0.9316	06	10.0000	0.9788	07	15.0000	0.9051			

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility **Calibration Date:** 6/24/2019

Initial Calibration Summary
Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Calibration ID: KC1900243 **Signal ID:** 1
Instrument ID: K-LCMS-06

		Calibration Evaluation				Calibration Evaluation	
Analyte Name	Compound Type	Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
13C2-PFTeDA	SURR	Average RF	% RSD	10.4	≤20	0.9572	
13C4-PFBA	SURR	Average RF	% RSD	11.6	≤20	0.6499	
13C4-PFOS	SURR	Average RF	% RSD	4.9	≤20	0.1393	
13C5-PFPeA	SURR	Average RF	% RSD	10.0	≤20	0.3856	
Perfluorobutanoic acid (PFBA)	TRG	Average RF	% RSD	2.3	≤20	1.025	
Perfluorooctane sulfonic acid (PFOS)	TRG	Average RF	% RSD	6.9	≤20	0.7548	
Perfluoropentanoic acid (PFPeA)	TRG	Linear	R2	0.9996	≥0.99	3.931	
Perfluorotetradecanoic acid (PFTeDA)	TRG	Linear	R2	0.9994	≥0.99	0.5572	
Perfluorotridecanoic acid (PFTrDA)	TRG	Linear	R2	0.9987	≥0.99	0.9605	

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility **Calibration Date:** 6/18/2019

Initial Calibration Verification Summary
Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Calibration ID: KC1900234 **Signal ID:** 1
Instrument ID: K-LCMS-06

#	Lab Code	Sample Name	File Location	Acquisition Date
08	KC1900234-08	1.0 PPB ICV	190618_036	06/18/2019 16:57

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
Perfluorobutane sulfonic acid (PFBS)	0.887	0.826	1.173E0	1.092E0	-6.902	±30	Average RF
Perfluorohexane sulfonic acid (PFHxS)	0.913	0.968	1.441E0	1.425E0	6.00	±30	Linear
Perfluoroheptane sulfonic acid (PFHpS)	0.953	0.927	1.622E0	1.578E0	-2.724	±30	Average RF
Perfluorooctane sulfonic acid (PFOS)	0.929	0.898	8.345E-1	8.069E-1	-3.312	±30	Average RF
Perfluorodecane sulfonic acid (PFDS)	0.965	0.869	8.989E-1	8.096E-1	-9.931	±30	Average RF
Perfluorobutanoic acid (PFBA)	1.00	1.00	1.021E0	1.026E0	0.471	±30	Average RF
Perfluoropentanoic acid (PFPeA)	1.00	0.985	3.803E0	2.668E0	-1.480	±30	Linear
Perfluorohexanoic acid (PFHxA)	1.00	1.01	1.276E0	1.167E0	0.558	±30	Linear
Perfluoroheptanoic acid (PFHpA)	1.00	0.990	1.012E0	9.45E-1	-0.968	±30	Linear
Perfluorooctanoic acid (PFOA)	1.00	0.983	9.895E-1	9.081E-1	-1.749	±30	Linear
Perfluorononanoic acid (PFNA)	1.00	1.12	9.859E-1	1.017E0	11.67	±30	Linear
Perfluorodecanoic acid (PFDA)	1.00	0.971	1.018E0	9.886E-1	-2.878	±30	Average RF
Perfluoroundecanoic acid (PFUnDA)	1.00	1.00	9.943E-1	8.91E-1	0.430	±30	Linear
Perfluorododecanoic acid (PFDoDA)	1.00	0.983	6.565E-1	6.126E-1	-1.655	±30	Linear
Perfluorotridecanoic acid (PFTrDA)	1.00	1.03	1.001E0	1.004E0	3.45	±30	Linear
Perfluorotetradecanoic acid (PFTeDA)	1.00	1.02	5.783E-1	3.949E-1	1.59	±30	Linear
Perfluorooctane sulfonamide (FOSA)	1.00	0.989	1.28E0	1.266E0	-1.066	±30	Average RF
N-Methyl perfluorooctane sulfonamidoacetic acid	1.00	1.02	6.636E-1	6.794E-1	2.38	±30	Average RF
N-Ethyl perfluorooctane sulfonamidoacetic acid	1.00	1.07	6.313E-1	6.748E-1	6.88	±30	Average RF
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	0.951	0.978	1.235E0	1.269E0	2.78	±30	Average RF
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	0.960	0.921	7.631E-1	7.319E-1	-4.092	±30	Average RF

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
13C3-PFBS	5.00	4.83	3.491E-1	3.37E-1	-3.463	±30	Average RF
18O2-PFHxS	5.00	4.76	1.795E-1	1.71E-1	-4.715	±30	Average RF
13C4-PFOS	5.00	5.13	2.253E-1	2.313E-1	2.65	±30	Average RF
13C4-PFBA	5.00	4.83	9.545E-1	9.221E-1	-3.396	±30	Average RF
13C5-PFPeA	5.00	4.96	5.784E-1	5.736E-1	-0.834	±30	Average RF
13C2-PFHxA	5.00	4.83	1.304E0	1.259E0	-3.470	±30	Average RF
13C4-PFHpA	5.00	5.00	1.265E0	1.265E0	-0.006	±30	Average RF
13C4-PFOA	5.00	5.21	1.535E0	1.6E0	4.27	±30	Average RF

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility **Calibration Date:** 6/18/2019

Initial Calibration Verification Summary
Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Calibration ID: KC1900234 **Signal ID:** 1
Instrument ID: K-LCMS-06

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
13C5-PFNA	5.00	4.74	1.031E0	9.768E-1	-5.233	±30	Average RF
13C2-PFDA	5.00	5.19	9.653E-1	1.002E0	3.76	±30	Average RF
13C2-PFUnDA	5.00	5.03	7.931E-1	7.972E-1	0.518	±30	Average RF
13C2-PFDoDA	5.00	4.97	1.116E0	1.11E0	-0.546	±30	Average RF
13C2-PFTeDA	5.00	4.93	8.498E-1	8.374E-1	-1.455	±30	Average RF
13C8-FOSA	5.00	4.78	5.913E-1	5.652E-1	-4.429	±30	Average RF
D3-MeFOSAA	5.00	4.94	1.195E-1	1.181E-1	-1.171	±30	Average RF
D5-EtFOSAA	5.00	4.88	1.053E-1	1.028E-1	-2.321	±30	Average RF
13C2-6:2 FTS	5.00	5.20	1.264E-1	1.315E-1	4.03	±30	Average RF
13C2-8:2 FTS	5.00	5.25	7.022E-2	7.371E-2	4.98	±30	Average RF

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:** R1905417
Project: Former Borden Facility **Calibration Date:** 6/24/2019

Initial Calibration Verification Summary
Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Calibration ID: KC1900243 **Signal ID:** 1
Instrument ID: K-LCMS-06

#	Lab Code	Sample Name	File Location	Acquisition Date
08	KC1900243-08	1.0 PPB ICV	190621_030	06/24/2019 19:50

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
Perfluorooctane sulfonic acid (PFOS)	0.929	0.884	7.548E-1	7.183E-1	-4.838	±30	Average RF
Perfluorobutanoic acid (PFBA)	1.00	1.00	1.025E0	1.026E0	0.140	±30	Average RF
Perfluoropentanoic acid (PFPeA)	1.00	1.01	3.931E0	2.774E0	0.541	±30	Linear
Perfluorotridecanoic acid (PFTrDA)	1.00	1.06	9.605E-1	9.959E-1	6.19	±30	Linear
Perfluorotetradecanoic acid (PFTeDA)	1.00	0.998	5.572E-1	3.689E-1	-0.189	±30	Linear

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
13C4-PFOS	5.00	4.84	1.393E-1	1.349E-1	-3.118	±30	Average RF
13C4-PFBA	5.00	4.43	6.499E-1	5.761E-1	-11.364	±30	Average RF
13C5-PFPeA	5.00	4.53	3.856E-1	3.493E-1	-9.408	±30	Average RF
13C2-PFTeDA	5.00	4.51	9.572E-1	8.641E-1	-9.728	±30	Average RF

Client: Professional Service Industries (PSI) Schenectady, NY
Project: Former Borden Facility/08212777
Service Request: R1905417
Date Analyzed: 06/20/19 18:45

Continuing Calibration Verification (CCV) Summary
Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M
File ID: J:\LCMS06\Data\190620_b2\190620_032
Signal ID: 1
Calibration Date: 6/18/2019
Calibration ID: KC1900234
Analysis Lot: 640215
Units: ng/mL

Analyte Name	Expected	Result	Average RF	CCV RF	Rec.	% Drift	Criteria	Curve Fit
Perfluorobutane sulfonic acid (PFBS)	0.887	0.811	1.1733	1.0718	91.3	NA	±30	Average RF
Perfluorohexane sulfonic acid (PFHxS)	0.913	0.760	1.4406	1.1346	83.2	-16.8	±30	Linear
Perfluoroheptane sulfonic acid (PFHpS)	0.953	0.730	1.6217	1.2417	76.6	NA	±30	Average RF
Perfluorooctane sulfonic acid (PFOS)	0.929	0.749	0.8345	0.6725	80.6	NA	±30	Average RF
Perfluorodecane sulfonic acid (PFDS)	0.965	0.747	0.8989	0.6961	77.4	NA	±30	Average RF
Perfluorobutanoic acid (PFBA)	1.00	0.930	1.021	0.9495	93.0	NA	±30	Average RF
Perfluoropentanoic acid (PFPeA)	1.00	0.977	3.8033	2.6477	97.7	-2.3	±30	Linear
Perfluorohexanoic acid (PFHxA)	1.00	0.931	1.2763	1.0831	93.1	-6.9	±30	Linear
Perfluoroheptanoic acid (PFHpA)	1.00	0.956	1.0116	0.913	95.6	-4.4	±30	Linear
Perfluorooctanoic acid (PFOA)	1.00	0.859	0.9895	0.7965	85.9	-14.1	±30	Linear
Perfluorononanoic acid (PFNA)	1.00	0.857	0.9859	0.7848	85.7	-14.3	±30	Linear
Perfluorodecanoic acid (PFDA)	1.00	0.932	1.0179	0.9491	93.2	NA	±30	Average RF
Perfluoroundecanoic acid (PFUnDA)	1.00	0.905	0.9943	0.8056	90.5	-9.5	±30	Linear
Perfluorododecanoic acid (PFDoDA)	1.00	0.848	0.6565	0.5291	84.8	-15.3	±30	Linear
Perfluorotridecanoic acid (PFTrDA)	1.00	0.811	1.0011	0.789	81.1	-18.9	±30	Linear
Perfluorotetradecanoic acid (PFTeDA)	1.00	0.935	0.5783	0.3673	93.5	-6.6	±30	Linear
Perfluorooctane sulfonamide (FOSA)	1.00	0.873	1.2796	1.1176	87.3	NA	±30	Average RF
N-Methyl perfluorooctane sulfonamidoacetic acid	1.00	1.01	0.6636	0.6726	101	NA	±30	Average RF
N-Ethyl perfluorooctane sulfonamidoacetic acid	1.00	0.917	0.6313	0.5787	91.7	NA	±30	Average RF
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	0.951	0.917	1.2347	1.1909	96.5	NA	±30	Average RF
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	0.960	1.03	0.7631	0.8162	107	NA	±30	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	Rec.	% Drift	Criteria	Curve Fit
13C3-PFBS	5.00	3.73	0.3491	0.2605	74.6	NA	±30	Average RF
18O2-PFHxS	5.00	4.51	0.1795	0.1619	90.2	NA	±30	Average RF
13C4-PFOS	5.00	3.64	0.2253	0.1639	72.7	NA	±30	Average RF
13C4-PFBA	5.00	4.22	0.9545	0.8048	84.3	NA	±30	Average RF
13C5-PFPeA	5.00	3.88	0.5784	0.4491	77.6	NA	±30	Average RF
13C2-PFHxA	5.00	4.72	1.3038	1.2313	94.4	NA	±30	Average RF
13C4-PFHpA	5.00	4.99	1.2647	1.2632	99.9	NA	±30	Average RF
13C4-PFOA	5.00	4.92	1.5348	1.5092	98.3	NA	±30	Average RF
13C5-PFNA	5.00	4.76	1.0307	0.9812	95.2	NA	±30	Average RF

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Analyzed:**	06/20/19 18:45

Continuing Calibration Verification (CCV) Summary
Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method:	PFC/537M	**Calibration Date:**	6/18/2019
File ID:	J:\LCMS06\Data\190620_b2\190620_032	**Calibration ID:**	KC1900234
Signal ID:	1	**Analysis Lot:**	640215
		Units:	ng/mL

13C2-PFDA	5.00	4.86	0.9653	0.9377	97.1	NA	±30	Average RF
13C2-PFUnDA	5.00	5.51	0.7931	0.8744	110	NA	±30	Average RF
13C2-PFDoDA	5.00	5.23	1.1156	1.166	105	NA	±30	Average RF
13C2-PFTeDA	5.00	6.44	0.8498	1.0945	129	NA	±30	Average RF
13C8-FOSA	5.00	3.29	0.5913	0.3896	65.9*	NA	±30	Average RF
D3-MeFOSAA	5.00	7.86	0.1195	0.188	157*	NA	±30	Average RF
D5-EtFOSAA	5.00	7.32	0.1053	0.1541	146*	NA	±30	Average RF
13C2-6:2 FTS	5.00	7.04	0.1264	0.178	141*	NA	±30	Average RF
13C2-8:2 FTS	5.00	8.44	0.0702	0.1185	169*	NA	±30	Average RF

Client:	Professional Service Industries (PSI) Schenectady, NY	**Service Request:**	R1905417
Project:	Former Borden Facility/08212777	**Date Analyzed:**	07/02/19 19:53

Continuing Calibration Verification (CCV) Summary
Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method:	PFC/537M	**Calibration Date:**	6/24/2019
File ID:	J:\LCMS06\Data\190702_b3\190702_050	**Calibration ID:**	KC1900243
Signal ID:	1	**Analysis Lot:**	641752
		Units:	ng/mL

Analyte Name	Expected	Result	Average RF	CCV RF	Rec.	% Drift	Criteria	Curve Fit
Perfluorooctane sulfonic acid (PFOS)	0.929	0.828	0.7548	0.6726	89.1	NA	±30	Average RF
Perfluorobutanoic acid (PFBA)	1.00	0.860	1.0245	0.8815	86.0	NA	±30	Average RF
Perfluoropentanoic acid (PFPeA)	1.00	0.815	3.931	2.3081	81.5	-18.5	±30	Linear
Perfluorotridecanoic acid (PFTrDA)	1.00	0.879	0.9605	0.8255	87.9	-12.1	±30	Linear
Perfluorotetradecanoic acid (PFTeDA)	1.00	0.954	0.5572	0.3547	95.4	-4.6	±30	Linear

Analyte Name	Expected	Result	Average RF	CCV RF	Rec.	% Drift	Criteria	Curve Fit
13C4-PFOS	5.00	5.19	0.1393	0.1445	104	NA	±30	Average RF
13C4-PFBA	5.00	5.67	0.6499	0.7376	113	NA	±30	Average RF
13C5-PFPeA	5.00	5.61	0.3856	0.4326	112	NA	±30	Average RF
13C2-PFTeDA	5.00	4.36	0.9572	0.8346	87.2	NA	±30	Average RF

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:**R1905417
Project: Former Borden Facility/08212777

Analysis Run Log
Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M **Analysis Lot:**640215
Instrument ID:K-LCMS-06

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
J:\LCMS06\Data\190620_b2\190620_032	Continuing Calibration Verification	KQ1908636-01	6/20/2019	18:45	
J:\LCMS06\Data\190620_b2\190620_033	Continuing Calibration Blank	KQ1908636-02	6/20/2019	18:55	
J:\LCMS06\Data\190620_b2\190620_034	Method Blank	KQ1908479-03	6/20/2019	19:06	
J:\LCMS06\Data\190620_b2\190620_035	Lab Control Sample	KQ1908479-01	6/20/2019	19:16	
J:\LCMS06\Data\190620_b2\190620_036	Duplicate Lab Control Sample	KQ1908479-02	6/20/2019	19:27	
J:\LCMS06\Data\190620_b2\190620_037	ZZZZZZZ	ZZZZZZZ	6/20/2019	19:37	
J:\LCMS06\Data\190620_b2\190620_038	ZZZZZZZ	ZZZZZZZ	6/20/2019	19:48	
J:\LCMS06\Data\190620_b2\190620_039	ZZZZZZZ	ZZZZZZZ	6/20/2019	19:58	
J:\LCMS06\Data\190620_b2\190620_040	ZZZZZZZ	ZZZZZZZ	6/20/2019	20:08	
J:\LCMS06\Data\190620_b2\190620_041	ZZZZZZZ	ZZZZZZZ	6/20/2019	20:19	
J:\LCMS06\Data\190620_b2\190620_042	ZZZZZZZ	ZZZZZZZ	6/20/2019	20:29	
J:\LCMS06\Data\190620_b2\190620_043	ZZZZZZZ	ZZZZZZZ	6/20/2019	20:40	
J:\LCMS06\Data\190620_b2\190620_044	ZZZZZZZ	ZZZZZZZ	6/20/2019	20:50	
J:\LCMS06\Data\190620_b2\190620_045	MW-27	R1905417-002	6/20/2019	21:01	
J:\LCMS06\Data\190620_b2\190620_046	MW-15	R1905417-003	6/20/2019	21:11	
J:\LCMS06\Data\190620_b2\190620_047	MW-17	R1905417-011	6/20/2019	21:22	
J:\LCMS06\Data\190620_b2\190620_048	Dupe	R1905417-013	6/20/2019	21:32	

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:**R1905417
Project: Former Borden Facility/08212777

Analysis Run Log
Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: **Analysis Lot:**641752
Instrument ID:K-LCMS-06

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
J:\LCMS06\Data\190702_b3\190702_050	ZZZZZZZ	ZZZZZZZ	7/2/2019	19:53	
J:\LCMS06\Data\190702_b3\190702_050	Continuing Calibration Verification	KQ1909238-01	7/2/2019	19:53	
J:\LCMS06\Data\190702_b3\190702_051	ZZZZZZZ	ZZZZZZZ	7/2/2019	20:04	
J:\LCMS06\Data\190702_b3\190702_051	Continuing Calibration Blank	KQ1909238-02	7/2/2019	20:04	
J:\LCMS06\Data\190702_b3\190702_052	MW-15	R1905417-003	7/2/2019	20:14	
J:\LCMS06\Data\190702_b3\190702_053	Dupe	R1905417-013	7/2/2019	20:25	
J:\LCMS06\Data\190702_b3\190702_054	ZZZZZZZ	ZZZZZZZ	7/2/2019	20:35	
J:\LCMS06\Data\190702_b3\190702_055	ZZZZZZZ	ZZZZZZZ	7/2/2019	20:46	
J:\LCMS06\Data\190702_b3\190702_056	ZZZZZZZ	ZZZZZZZ	7/2/2019	20:56	

Prep Summary Report

Client: Professional Service Industries (PSI) Schenectady, NY **Service Request:**R1905417
Project: Former Borden Facility/08212777
Sample Matrix: Water

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Prep Method: EPA 3535A **Extraction Lot:** 338877
Analytical Method: PFC/537M **Extraction Date:** 06/18/19 08:29

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Amount	Percent Solids
Lab Control Sample	KQ1908479-01LCS	NA	NA	250 mL	8 mL	
Duplicate Lab Control Sample	KQ1908479-02DLCS	NA	NA	250 mL	8 mL	
Method Blank	KQ1908479-03MB	NA	NA	250 mL	8 mL	
MW-27	R1905417-002	6/10/19	6/12/19	285.0000 mL	8 mL	
MW-15	R1905417-003	6/10/19	6/12/19	285.0000 mL	8 mL	
MW-17	R1905417-011	6/10/19	6/12/19	290.0000 mL	8 mL	
Dupe	R1905417-013	6/10/19	6/12/19	280.0000 mL	8 mL	

Raw Data

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360)577-7222 Fax (360)636-1068
www.alsglobal.com

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360)577-7222 Fax (360)636-1068
www.alsglobal.com

Preparation Information Benchsheet

Prep Run#: 338877 **Prep WorkFlow:** OrgExtAq(14) **Status:** Prepped
Team: Organic LC/NHILLIKER **Prep Method:** EPA 3535A **Prep Date/Time:** 6/18/19 08:29
Number of Copies to make: 3

#	Lab Code	Client ID	B#	Method /Test	pH	Matrix	Amt. Ext.	Final Vol	Sample Description
1	K1905564-001	1193-004-A	.01	PFC/537M/PFOA	3.5	Water	185.0000mL	8.00mL	
2	K1905564-002	1193-004-B	.01	PFC/537M/PFOA		Water	190.0000mL	8.00mL	
3	K1905564-003	1193-004-C	.01	PFC/537M/PFOA		Water	180.0000mL	8.00mL	
4	K1905564-004	1193-004-D	.01	PFC/537M/PFOA		Water	180.0000mL	8.00mL	
5	K1905602-001	1906101400X	.01	PFC/537M/PFOA		Water	265.0000mL	8.00mL	
6	K1905602-002	1906111419B	.01	PFC/537M/PFOA		Water	310.0000mL	8.00mL	
7	K1905602-003	1906111041A	.01	PFC/537M/PFOA		Water	315.0000mL	8.00mL	
8	K1905602-004	1906130805X	.01	PFC/537M/PFOA		Water	255.0000mL	8.00mL	
9	R1905417-002	MW-27	.05	PFC/537M/PFOA		Water	285.0000mL	8.00mL	
10	R1905417-003	MW-15	.05	PFC/537M/PFOA		Water	285.0000mL	8.00mL	
11	R1905417-011	MW-17	.06	PFC/537M/PFOA		Water	290.0000mL	8.00mL	
12	R1905417-013	Dupe	.05	PFC/537M/PFOA		Water	280.0000mL	8.00mL	
13	KQ1908479-04	MDL		PFC/537M/PFOA		Liquid	250mL	8.00mL	
14	KQ1908479-05	MDL		PFC/537M/PFOA		Liquid	250mL	8.00mL	
15	KQ1908479-06	MDL		PFC/537M/PFOA		Liquid	250mL	8.00mL	
16	KQ1908479-07	MDL		PFC/537M/PFOA		Liquid	250mL	8.00mL	
17	KQ1908479-01	LCS		PFC/537M/PFOA		Liquid	250mL	8.00mL	
18	KQ1908479-02	DLCS		PFC/537M/PFOA		Liquid	250mL	8.00mL	
19	KQ1908479-03	MB		PFC/537M/PFOA		Liquid	250mL	8.00mL	

Spiking Solutions

Name: PFC isotopes 2ppm Inventory ID 199645 Logbook Ref: 19-OLC-01-29J Expires On: 12/04/2023

K1905564-001	20.00µL	K1905564-002	20.00µL	K1905564-003	20.00µL	K1905564-004	20.00µL	K1905602-001	20.00µL	K1905602-002	20.00µL
K1905602-003	20.00µL	K1905602-004	20.00µL	KQ1908479-01	20.00µL	KQ1908479-02	20.00µL	KQ1908479-03	20.00µL	KQ1908479-04	20.00µL
KQ1908479-05	20.00µL	KQ1908479-06	20.00µL	KQ1908479-07	20.00µL	R1905417-002	20.00µL	R1905417-003	20.00µL	R1905417-011	20.00µL
R1905417-013	20.00µL										

Name: PFC IS Inventory ID 199812 Logbook Ref: 19-OLC-01-30F Expires On: 11/28/2019

K1905564-001	10.00µL	K1905564-002	10.00µL	K1905564-003	10.00µL	K1905564-004	10.00µL	K1905602-001	10.00µL	K1905602-002	10.00µL
K1905602-003	10.00µL	K1905602-004	10.00µL	KQ1908479-01	10.00µL	KQ1908479-02	10.00µL	KQ1908479-03	10.00µL	KQ1908479-04	10.00µL
KQ1908479-05	10.00µL	KQ1908479-06	10.00µL	KQ1908479-07	10.00µL	R1905417-002	10.00µL	R1905417-003	10.00µL	R1905417-011	10.00µL
R1905417-013	10.00µL										

Preparation Information Benchsheet

Prep Run#: 338877
Team: Organic LC/NHILLIKER

Prep WorkFlow: OrgExtAq(14)
Prep Method: EPA 3535A

Status: Prepped
Prep Date/Time: 6/18/19 08:29

Name:	PFC isotopes 2ppm	Inventory ID	200022	Logbook Ref:	19-OLC-02-28D	Expires On:	11/30/2019

K1905564-001	20.00µL	K1905564-002	20.00µL	K1905564-003	20.00µL	K1905564-004	20.00µL	K1905602-001	20.00µL	K1905602-002	20.00µL
K1905602-003	20.00µL	K1905602-004	20.00µL	KQ1908479-01	20.00µL	KQ1908479-02	20.00µL	KQ1908479-03	20.00µL	KQ1908479-04	20.00µL
KQ1908479-05	20.00µL	KQ1908479-06	20.00µL	KQ1908479-07	20.00µL	R1905417-002	20.00µL	R1905417-003	20.00µL	R1905417-011	20.00µL
R1905417-013	20.00µL										

Name:	PFC Targets 200ppb	Inventory ID	200317	Logbook Ref:	19-OLC-02-30H	Expires On:	10/19/2019

KQ1908479-01	40.00µL	KQ1908479-02	40.00µL

Name:	PFC Targets 10ppb	Inventory ID	200354	Logbook Ref:	19-OLC-02-18D	Expires On:	08/05/2019

KQ1908479-04	20.00µL	KQ1908479-05	40.00µL	KQ1908479-06	20.00µL	KQ1908479-07	40.00µL

Preparation Steps

Step:	Extraction	Step:	Final Volume
Started:	6/18/19 08:29	Started:	6/18/19 14:56
Finished:	6/18/19 14:56	Finished:	6/18/19 16:36
By:	NHILLIKER	By:	NHILLIKER
Comments		Comments	

Comments: _____

Reviewed By: _____ Date: JUN 2 4 2019

Chain of Custody

Relinquished By: Noah Hilliker Date: 6/18/19

Received By: C Muller Date: 6/20/19

Extracts Examined
(Yes) No

Preparation Information Benchsheet

Prep Run#: 338877 **Prep WorkFlow:** OrgExtAq(14) **Status:** Draft
Team: Organic LC/NHILLIKER **Prep Method:** EPA 3535A **Prep Date/Time:** 6/18/19 08:29 AM
Number of Copies to make: 3

#	Lab Code	Client ID	B#	√	Method /Test	Matrix	Amt. Ext. (mL)	pH	Int. Vol	Final Vol	Surr Amt (µL)	Spike Amt (µL)
1	**K1905564-001**	1193-004-A	.01	✓	PFC/537M / PFOA	Water	~~NA 6/18 60~~ 185	3.5	N/A	8 mL	20/20	N/A
2	**K1905564-002**	1193-004-B	.01	✓	PFC/537M / PFOA	Water	190					
3	**K1905564-003**	1193-004-C	.01	✓	PFC/537M / PFOA	Water	180					
4	**K1905564-004**	1193-004-D	.01	✓	PFC/537M / PFOA	Water	180					
5	**K1905602-001**	1906101400X	.01	✓	PFC/537M / PFOA	Water	265					
6	**K1905602-002**	1906111419B	.01	✓	PFC/537M / PFOA	Water	310					
7	**K1905602-003**	1906111041A	.01	✓	PFC/537M / PFOA	Water	315					
8	**K1905602-004**	1906130805X	.01	✓	PFC/537M / PFOA	Water	255					
9	**R1905417-002**	MW-27 ②	.05	✓	PFC/537M / PFOA	Water	285					
10	**R1905417-003**	MW-15 ②	.05	✓	PFC/537M / PFOA	Water	285					
11	**R1905417-011**	MW-17 ②	.06	✓	PFC/537M / PFOA	Water	290					
12	**R1905417-013**	Dupe ②	.05	✓	PFC/537M / PFOA	Water	280					
13	**KQ1908479-04**	MDL ③	N/A	N/A	PFC/537M / PFOA	Liquid	250					② 20
14	**KQ1908479-05**	MDL ③			PFC/537M / PFOA	Liquid						② 40
15	**KQ1908479-01**	LCS			PFC/537M / PFOA	Liquid						40
16	**KQ1908479-02**	DLCS			PFC/537M / PFOA	Liquid						
17	**KQ1908479-03**	MB			PFC/537M / PFOA	Liquid						N/A

① Missing part of Label- Verified COC
② Samples exhibit sediment / suspended solids
③ Both MDL's Envi-Carbed with an aliquot of each QC, vials produced for both Envi-Carb and non-Envi-Carb
• Acetic acid added after final volume step for all samples

Comments: Pipettes: DB (surr+spike)

Surrogate ID: √19-OLC-01-295 2ppm xp 12/4/23
√19-OLC-02-28D 2ppm xp 11/30/19

Spike ID: ① 19-OLC-02-30H 200ppb xp 10/19/19
√② 19-OLC-02-18D 10ppb xp 8/5/19

Witnessed By:

Analyst: Noah Hilliker

Assisted By:

Additional prep information for Perfluorinated Compounds
by HPLC/MS/MS – SOP: LCP-PFC (rev. 8)

Waters

Service Request IL1905564/5602/R1905417 **Workgroup** LCQ1908479

6cc 200mg Strata XL-AW Cartridge Sorbent Lot # S322-0024

Envi-Carb Lot # 107564

0.1% NH_4OH in MeOH Lot# 19-OLC-02-30C MeOH Lot# DW255-US

Reagent Water Lot# 59004

Acetic Acid (LCMS Grade) Lot# SHBK2445

25% NH_4OH Lot# N/A

Extraction (Manifold) Start (Time/Date/Initial): 12:23 pm 6/18/19 NH

Extraction (Manifold) Stop (Time/Date/Initial): 2:56 pm 6/18/19 NH

IS solution (13C7-PFUnDA 500ppb) Lot #: 19-OLC-01-30F xp 11/28/19

Nylon Filter Lot#: 81961103/FE4601

Extract Storage: _____

Completed(Time/Date/Initial): 4:36 pm 6/18/19 NH

Comments/Observations:

_____

_____

_____

_____

Bench Sheet Review Check List
❑ Hold Times Met (if no, Reason: _____)
❑ Prep date, dept, method, product code correct in stealth
❑ Spike Information correct
❑ Weights/Volumes and units correct on raw and final bench sheets
❑ Sample IDs have been checked—Bottle numbers appended if required
❑ Names present for: Started by, Completed by, relinquished by, and witnessed by.
❑ Training has been circled
❑ Extract Storage recorded
❑ Additional Prep Sheet completely filled out (NA or line out Blanks)
❑ All clean-ups have been noted on additional prep sheet
❑ Signed service request with Form V, if applicable, has been attached

1st CM 06/21/19
2nd 06/24/19

Validation Report

Data File: J:\LCMS06\Data\190620_b2\190620_045
Lab ID: R1905417-002
RunType: N/A
Matrix: Water

Date Acquired: 6/20/19 21:01
Batch ID: 640215
Analysis Method: PFC/537M/PFOA

Validations

Validation Categories	Pass	Fail
Preparation Hold Time	X	
Analytical Hold Time	X	
ICAL Analyte Recovery	X	
Second Source ICAL Verification	X	
Continuing Calibration Recovery		X
Lab Control Sample Recovery	X	
Duplicate Lab Control Sample Recovery	X	
Method Blank	X	
Method Blank Surrogates	X	
Internal Standards	X	
Surrogates		X
Std MRL Unsupported by ICAL	X	
Above Highest ICAL Level	X	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Continuing Calibration Recovery	D3-MeFOSAA	157	70	130	native ok
	13C2-8:2 FTS	169	70	130	native ok
	13C2-6:2 FTS	141	70	130	native ok
	13C8-FOSA	66	70	130	native ok
	D5-EtFOSAA	146	70	130	native ok
Surrogates	13C2-PFTeDA	148	13	124	High bias ND
	13C2-6:2 FTS	397	10	226	High bias ND

Primary Review: _____

Secondary Review: _____

1st CM 06/21/19
2nd 06/24/19

Quantitation Report

Data File:	J:\LCMS06\Data\190620_b2\190620_045	**Instrument:**	K-LCMS-06
Acqu Date:	6/20/19 21:01	**Vial:**	14
Run Type:	N/A	**Dilution:**	1
Lab ID:	R1905417-002	**Raw Units:**	ng/mL

Bottle ID:	R1905417-002.05	**Tier:**	IV	**Matrix:**	Water
Prod Code:	PFOA	**Collect Date:**	6/10/19	**Receive Date:**	6/12/19

Analysis Lot:	640215	**Prep Lot:**	338877	**Report Group:**	R1905417
Analysis	PFC/537M	**Prep Method:**	EPA 3535A		
		Prep Date:	6/18/19		

Title:	Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS	**Calibration ID:**	KC1900234
		Report List ID:	19884

Internal Standard Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	Area Criteria
13C7-PFUnDA	5.139	0.00	6124493	5.0000	OK

Surrogate Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	% Rec		% Rec Criteria	Rpt?
13C3-PFBS	4.029	-0.01	1074040	2.5121	50		20 - 109	Y
18O2-PFHxS	4.421	0.00	651908	2.9650	59		26 - 122	Y
13C4-PFOS	4.761	0.00	883088	3.1998	64		25 - 121	Y
13C4-PFBA	3.405	-0.02	4193760	3.5870	72		27 - 124	Y
13C5-PFPeA	3.976	0.00	1998833	2.8213	56		27 - 138	Y
13C2-PFHxA	4.233	-0.01	6658214	4.1690	83		28 - 132	Y
13C4-PFHpA	4.421	0.00	6067245	3.9165	78		19 - 139	Y
13C4-PFOA	4.592	0.00	10372517	5.5172	110		22 - 130	Y
13C5-PFNA	4.773	0.00	4713187	3.7331	75		20 - 127	Y
13C2-PFDA	4.958	0.00	4453033	3.7663	75		24 - 125	Y
13C2-PFUnDA	5.140		4608674	4.7438	95		22 - 125	Y
13C2-PFDoDA	5.314	0.00	5113390	3.7420	75		19 - 122	Y
13C2-PFTeDA	5.626	0.00	7701149	7.3985	148	*	13 - 124	Y
13C8-FOSA	5.259	+0.01	1638611	2.2622	45		18 - 109	Y
D3-MeFOSAA	5.057		831942	5.6826	114		9 - 123	Y
D5-EtFOSAA	5.155	+0.00	662699	5.1401	103		12 - 126	Y
13C2-6:2 FTS	4.580	0.00	3071914	19.8417	397	*	10 - 226	Y
13C2-8:2 FTS	4.952	0.00	507648	5.9020	118		10 - 202	Y

Target Compounds

Final Conc.Units: ng/L

Parameter Name	RT	RT Dev	Response	Solution Conc	Final Conc	Q	Rpt?
Perfluorobutane sulfonic acid (PFBS)	4.028	-0.01	4902	0.0194	0.54	J	Y
Perfluorohexane sulfonic acid (PFHxS)	4.421		13108	0.0252	0.71	U	Y

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

1st CM 06/21/19

2nd 06/24/19

Data File:	J:\LCMS06\Data\190620_b2\190620_045	**Instrument:**	K-LCMS-06
Acqu Date:	6/20/19 21:01	**Vial:**	14
Run Type:	N/A	**Dilution:**	1
Lab ID:	R1905417-002	**Raw Units:**	ng/mL

Target Compounds

Final Conc.Units: ng/L

Parameter Name	RT	RT Dev	Response	Solution Conc	Final Conc	Q	Rpt?
Perfluoroheptane sulfonic acid (PFHpS)	4.583	-0.01	1457	0.0069	0.19	U	Y
Perfluorooctane sulfonic acid (PFOS)	4.761	0.00	30179	0.2047	5.7		Y
Perfluorodecane sulfonic acid (PFDS)	0		0	0	0	U	Y
Perfluorobutanoic acid (PFBA)	3.406	-0.01	56915	0.0665	1.9	J	Y
Perfluoropentanoic acid (PFPeA)	3.976	-0.01	131085	0.0149	0.42	U	Y
Perfluorohexanoic acid (PFHxA)	4.228	-0.01	59872	0.0126	0.35	U	Y
Perfluoroheptanoic acid (PFHpA)	4.417	-0.01	38542	0.0176	0.49	U	Y
Perfluorooctanoic acid (PFOA)	4.591	0.00	113363	0.0411	1.2	J	Y
Perfluorononanoic acid (PFNA)	4.767	-0.01	22439	0.0049	0.14	U	Y
Perfluorodecanoic acid (PFDA)	4.957	0.00	13227	0.0146	0.41	U	Y
Perfluoroundecanoic acid (PFUnDA)	5.139	0.00	18528	-0.0097	0	U	Y
Perfluorododecanoic acid (PFDoDA)	5.312	0.00	5617	-0.0056	0	U	Y
Perfluorotridecanoic acid (PFTrDA)	5.474	0.00	8168	-0.0029	0	U	Y
Perfluorotetradecanoic acid (PFTeDA)	5.625	0.00	71810	-0.0103	0	U	Y
Perfluorooctane sulfonamide (FOSA)	5.259	+0.01	1201	0.0029	0.081	U	Y
N-Methyl perfluorooctane sulfonamidoacetic acid	5.063	+0.00	1595	0.0144	0.40	U	Y
N-Ethyl perfluorooctane sulfonamidoacetic acid	0		0	0	0	U	Y
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	4.580	0.00	3517	0.0046	0.13	U	Y
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	4.950	0.00	135	0.0017	0.048	U	Y

Prep Amount:	285.0000 mL	**Dilution:**	1
Prep Final Amount:	8.00 mL	**Basis Factor:**	100.00

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Insight Report

Printed at 6/21/2019 1:50:21 PM

190620_045

Sample ID: R1905417-002
Date acquired: 6/20/2019 9:01:10 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190620_b2\190620_045.lcd
Vial: 32 | Inj. Volume: 15.0000uL | Tray: 5

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
PFBA-13C_IS	Auto	3.405	4193760	4193760	2	5.0000	ng/mL	----
PFBA-13C	Auto	3.405	4193760	6124493	26	3.5870	ng/mL	----
PFBA	M	3.406	56915	4193760	2	0.0665	ng/mL	----
PFPeA-13C_IS	Auto	3.976	1998833	1998833	4	5.0000	ng/mL	----
PFPeA-13C	Auto	3.976	1998833	6124493	26	2.8213	ng/mL	----
PFPeA	M	3.976	131085	1998833	4	0.0149	ng/mL	----
PFBS_1	M	4.028	4902	1074040	16	0.0194	ng/mL	----
PFBS-13C	Auto	4.029	1074040	6124493	26	2.5121	ng/mL	----
PFBS-13C_IS	Auto	4.029	1074040	1074040	16	5.0000	ng/mL	----
PFHxA-13C_IS	Auto	4.233	6658214	6658214	6	5.0000	ng/mL	----
PFHxA-13C	Auto	4.233	6658214	6124493	26	4.1690	ng/mL	----
PFHxA	M	4.228	59872	6658214	6	0.0126	ng/mL	----
PFHpA	Auto	4.417	38542	6067245	8	0.0176	ng/mL	----
PFHpA-13C_IS	Auto	4.421	6067245	6067245	8	5.0000	ng/mL	----
PFHpA-13C	Auto	4.421	6067245	6124493	26	3.9165	ng/mL	----
PFHxS-18O_IS	Auto	4.421	651908	651908	7	5.0000	ng/mL	----
PFHxS-18O	Auto	4.421	651908	6124493	26	2.9650	ng/mL	----
PFHxS_1	Auto	4.421	13108	651908	7	0.0252	ng/mL	----
6_2-FTS-13C	Auto	4.580	3071914	6124493	26	19.8417	ng/mL	----
6_2-FTS-13C_IS	Auto	4.580	3071914	3071914	10	5.0000	ng/mL	----
6_2-FTS_1	M	4.580	3517	3071914	10	0.0046	ng/mL	----
PFHpS_1	M	4.583	1457	651908	7	0.0069	ng/mL	----
PFOA-13C_IS	Auto	4.592	10372517	10372517	9	5.0000	ng/mL	----
PFOA-13C	Auto	4.592	10372517	6124493	26	5.5172	ng/mL	----
PFOA	M	4.591	113363	10372517	9	0.0411	ng/mL	----
PFOS_1	Auto	4.761	30179	883088	13	0.2047	ng/mL	----
PFOS-13C_IS	Auto	4.761	883088	883088	13	5.0000	ng/mL	----
PFOS-13C	Auto	4.761	883088	6124493	26	3.1998	ng/mL	----
PFNA-13C_IS	Auto	4.773	4713187	4713187	11	5.0000	ng/mL	----
PFNA-13C	Auto	4.773	4713187	6124493	26	3.7331	ng/mL	----
PFNA	M	4.767	22439	4713187	11	0.0049	ng/mL	----
PFDA-13C_IS	Auto	4.958	4453033	4453033	12	5.0000	ng/mL	----
PFDA-13C	Auto	4.958	4453033	6124493	26	3.7663	ng/mL	----
PFDA	Auto	4.957	13227	4453033	12	0.0146	ng/mL	----
8_2-FTS-13C_IS	Auto	4.952	507648	507648	15	5.0000	ng/mL	----
8_2-FTS-13C	Auto	4.952	507648	6124493	26	5.9020	ng/mL	----
8_2-FTS_1	M	4.950	135	507648	15	0.0017	ng/mL	----
PFDS_1	ND(W/B)	----	----	883088	13	----	ng/mL	----
PFUnA	M	5.139	18528	4608674	14	-0.0097	ng/mL	----
PFUnA-13C_IS	Auto	5.140	4608674	4608674	14	5.0000	ng/mL	----
PFUnA-13C	Auto	5.140	4608674	6124493	26	4.7438	ng/mL	----
PFDoA	Auto	5.312	5617	5113390	17	-0.0056	ng/mL	----
PFDoA-13C	Auto	5.314	5113390	6124493	26	3.7420	ng/mL	----
PFDoA-13C_IS	Auto	5.314	5113390	5113390	17	5.0000	ng/mL	----
PFTrDA	Auto	5.474	8168	7701149	22	-0.0029	ng/mL	----
PFTeDA	Auto	5.625	71810	7701149	22	-0.0103	ng/mL	----
PFTeDA-13C	Auto	5.626	7701149	6124493	26	7.3985	ng/mL	----
PFTeDA-13C_IS	Auto	5.626	7701149	7701149	22	5.0000	ng/mL	----
FOSA-13C_IS	Auto	5.259	1638611	1638611	18	5.0000	ng/mL	----
FOSA-13C	Auto	5.259	1638611	6124493	26	2.2622	ng/mL	----
FOSA	M	5.259	1201	1638611	18	0.0029	ng/mL	----
N-MeFOSAA	M	5.063	1595	831942	19	0.0144	ng/mL	----
N-MeFOSAA-d3	Auto	5.057	831942	6124493	26	5.6826	ng/mL	----
N-MeFOSAA-d3_IS	Auto	5.057	831942	831942	19	5.0000	ng/mL	----
N-MeFOSA-d3_IS	Auto	5.639	756284	756284	1	5.0000	ng/mL	----
N-MeFOSA-d3	Auto	5.639	756284	6124493	26	3.4536	ng/mL	----
N-MeFOSA	M	5.641	2041	756284	1	0.0079	ng/mL	----
N-MeFOSE-d7	Auto	5.609	1117042	6124493	26	3.5430	ng/mL	----
N-MeFOSE-d7_IS	Auto	5.609	1117042	1117042	20	5.0000	ng/mL	----
N-MeFOSE	M	5.622	252	1117042	20	0.0009	ng/mL	----
N-EtFOSAA	ND(W/B)	----	----	662699	21	----	ng/mL	----
N-EtFOSAA-d5_IS	Auto	5.155	662699	662699	21	5.0000	ng/mL	----
N-EtFOSAA-d5	Auto	5.155	662699	6124493	26	5.1401	ng/mL	----
N-EtFOSA-d9_IS	Auto	5.774	969667	969667	23	5.0000	ng/mL	----
N-EtFOSA-d9	Auto	5.774	969667	6124493	26	2.9857	ng/mL	----
N-EtFOSA	M	5.778	128	969667	23	0.0033	ng/mL	----
N-EtFOSE-d9_IS	Auto	5.736	870807	870807	24	5.0000	ng/mL	----
N-EtFOSE-d9	Auto	5.736	870807	6124493	26	3.3725	ng/mL	----

Insight Report

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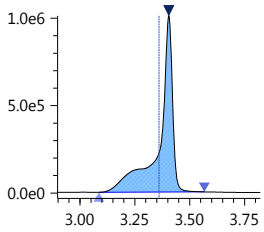
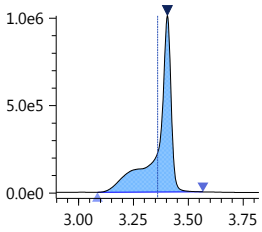
(Table continued from previous page)

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
N-EtFOSE	ND(W/B)	----	----	870807	24	----	ng/mL	----
13C7-PFUnDA_IS	Auto	5.139	6124493	6124493	26	5.0000	ng/mL	----

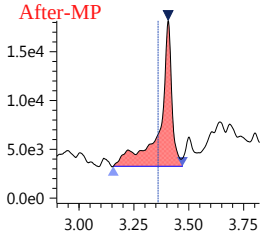
PFBA-13C_IS
Conc 5.0000
RT 3.405 Area 4193760
ISTD 216.90>172.15 (-) 1.01e6



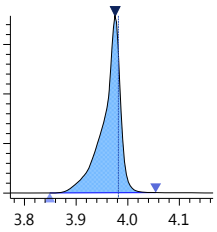
PFBA-13C
Conc 3.5870
RT 3.405 Area 4193760
Q 216.90>172.15 (-) 1.01e6



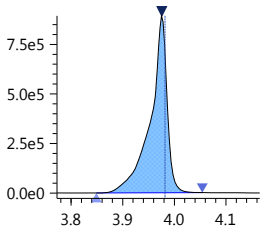
PFBA
Conc 0.0665
RT 3.406 Area 56915
Q 213.00>169.10 (-) 1.82e4



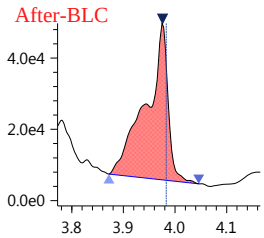
PFPeA-13C_IS
Conc 5.0000
RT 3.976 Area 1998833
ISTD 267.90>223.00 (-) 8.94e5



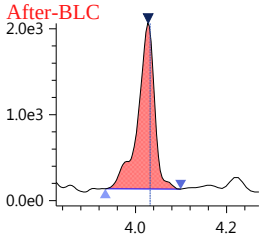
PFPeA-13C
Conc 2.8213
RT 3.976 Area 1998833
Q 267.90>223.00 (-) 8.94e5



PFPeA
Conc 0.0149
RT 3.976 Area 131085
Q 263.05>219.10 (-) 4.97e4



PFBS_1
Conc 0.0194
RT 4.028 Area 4902
Q 299.00>80.00 (-) 2.06e3



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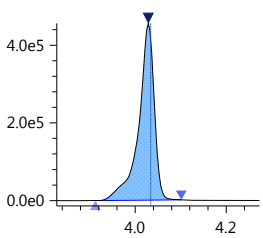
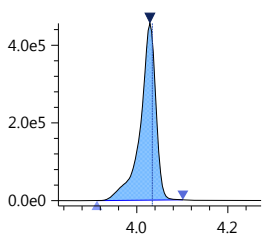
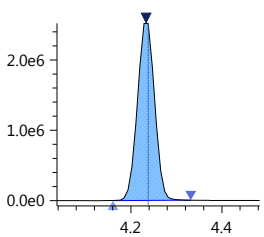
Conc 2.5121
RT 4.029 Area 1074040
Q 301.80>80.00 (-) 4.56e5



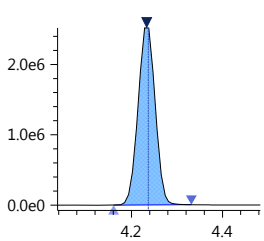
PFBS-13C_IS
Conc 5.0000
RT 4.029 Area 1074040
ISTD 301.80>80.00 (-) 4.56e5



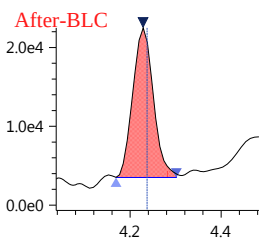
PFHxA-13C_IS
Conc 5.0000
RT 4.233 Area 6658214
ISTD 314.90>270.10 (-) 2.52e6



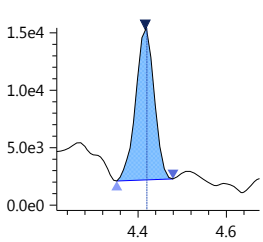
PFHxA-13C
Conc 4.1690
RT 4.233 Area 6658214
Q 314.90>270.10 (-) 2.52e6



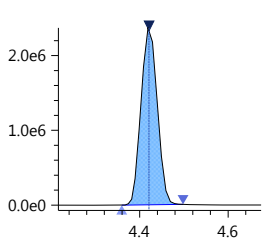
PFHxA
Conc 0.0126
RT 4.228 Area 59872
Q 313.00>269.00 (-) 2.25e4



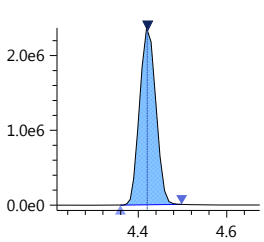
PFHpA
Conc 0.0176
RT 4.417 Area 38542
Q 362.90>319.00 (-) 1.54e4



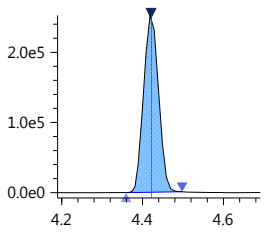
PFHpA-13C_IS
Conc 5.0000
RT 4.421 Area 6067245
ISTD 366.90>322.10 (-) 2.37e6



PFHpA-13C
Conc 3.9165
RT 4.421 Area 6067245
Q 366.90>322.10 (-) 2.37e6



PFHxS-18O_IS
Conc 5.0000
RT 4.421 Area 651908
ISTD 402.70>84.05 (-) 2.53e5



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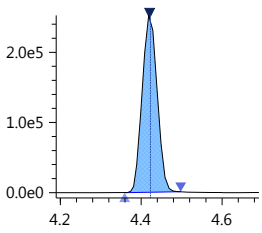
Conc 2.9650
RT 4.421 Area 651908
Q 402.70>84.05 (-) 2.53e5



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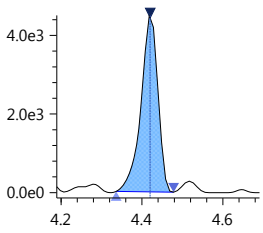
RT 4.421 Area 13108
Q 399.00>80.00 (-) 4.51e3



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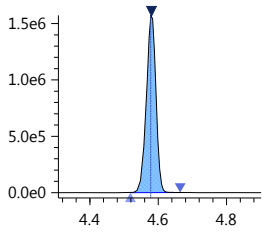
Conc 19.8417
RT 4.580 Area 3071914
Q 428.90>409.00 (-) 1.57e6



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RT 4.580 Area 3071914
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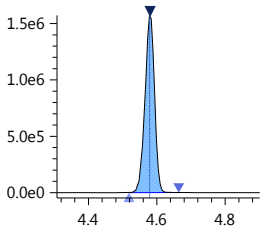

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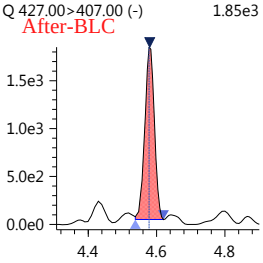
Q 427.00>407.00 (-) 1.85e3



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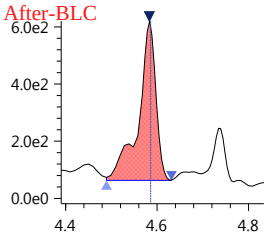
RT 4.583 Area 1457
Q 449.00>80.15 (-) 6.20e2



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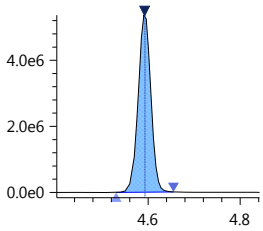
Conc 5.0000
RT 4.592 Area 10372517
ISTD 416.80>372.05 (-) 5.37e6



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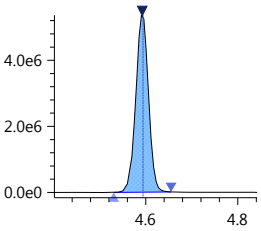

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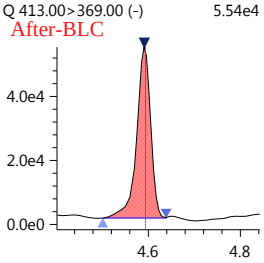
Q 413.00>369.00 (-) 5.54e4



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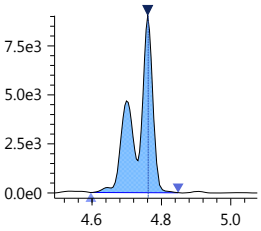
Q 499.00>80.00 (-) 9.04e3



PFOS-13C_IS
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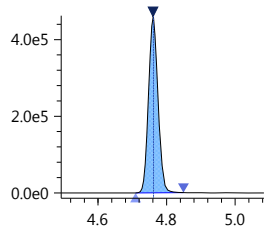

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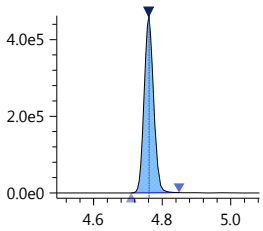

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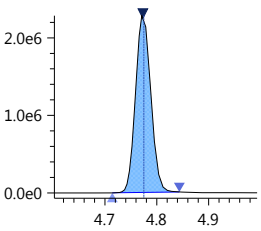
ISTD 467.80>423.00 (-) 2.29e6



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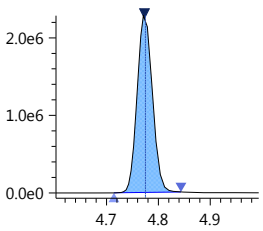

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Conc 0.0049
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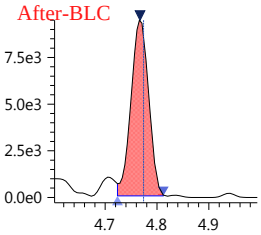

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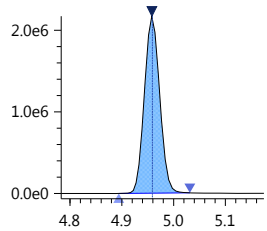

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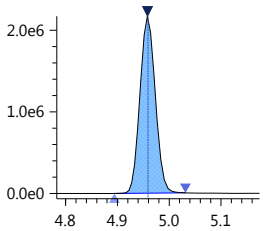

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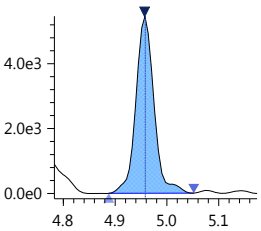
RT 4.957 Area 13227
Q 513.00>468.80 (-) 5.47e3



8_2-FTS-13C_IS
Conc 5.0000
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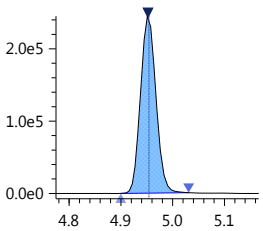
ISTD 528.80>509.00 (-) 2.45e5



8_2-FTS-13C
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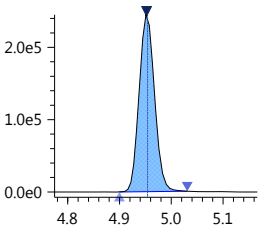
RT 4.952 Area 507648
Q 528.80>509.00 (-) 2.45e5



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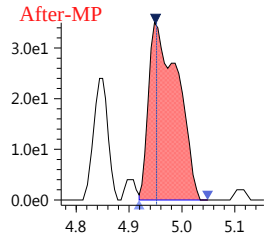
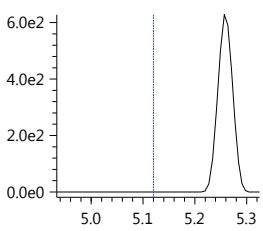
RT 4.950 Area 135
Q 527.10>506.90 (-) 3.50e1



PFDS_1
Conc ----
RT ---- Area ----
Q 599.00>79.90 (-) 6.28e2



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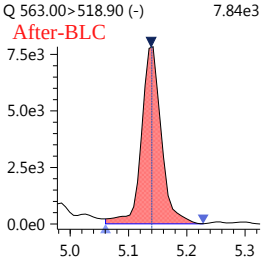

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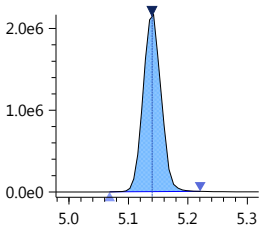
RT 5.140 Area 4608674
ISTD 564.80>519.95 (-) 2.17e6



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Conc 4.7438
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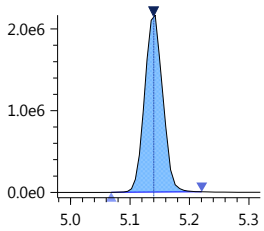

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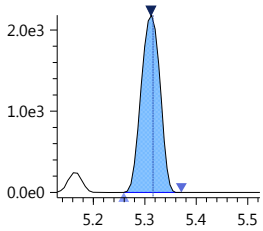

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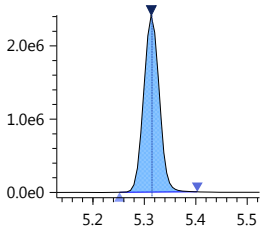
Conc 3.7420
RT 5.314 Area 5113390
Q 614.80>569.95 (-) 2.42e6



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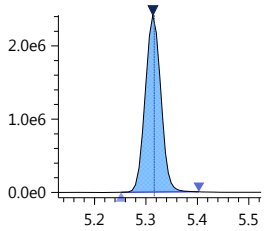

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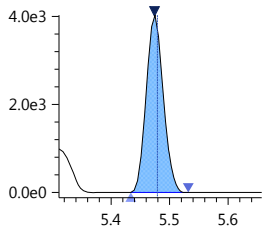

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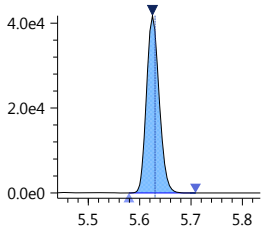

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Conc 7.3985
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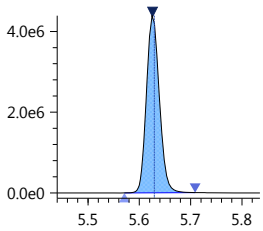
Q 714.70>669.90 (-) 4.39e6



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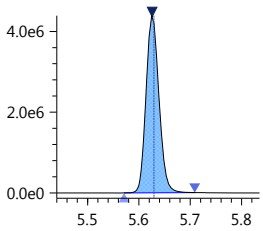

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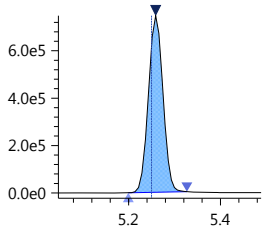

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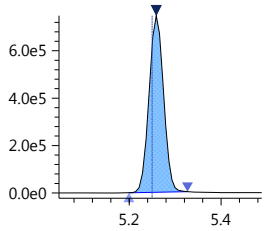

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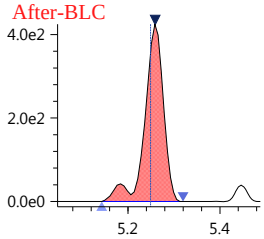
Q 498.20>78.00 (-) 4.25e2



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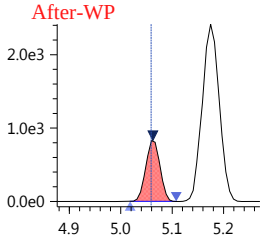
Q 570.20>419.00 (-) 2.42e3



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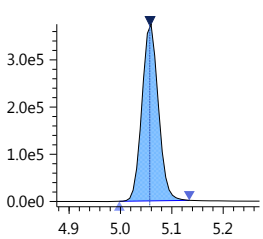
Q 572.80>419.05 (-) 3.76e5



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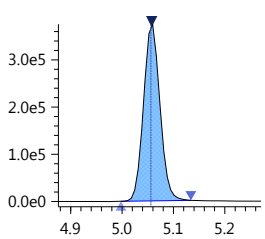
RT 5.057 Area 831942
ISTD 572.80>419.05 (-) 3.76e5



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Conc 5.0000
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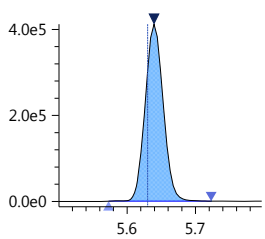
ISTD 514.90>168.90 (-) 4.12e5



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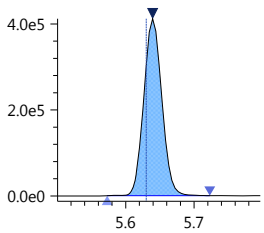
Q 514.90>168.90 (-) 4.12e5



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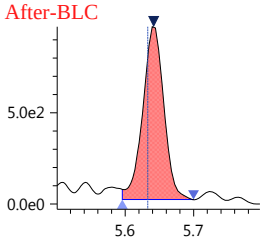
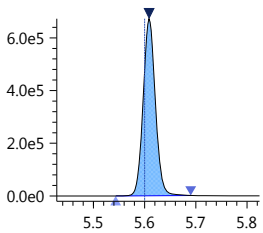
Q 512.00>169.10 (-) 9.72e2



N-MeFOSE-d7
Conc 3.5430
RT 5.609 Area 1117042
Q 622.70>59.10 (-) 6.73e5



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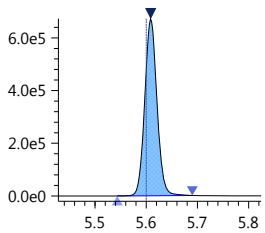
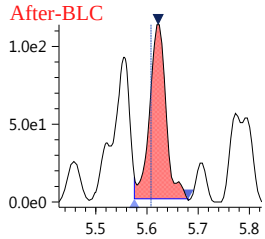


N-MeFOSE
Conc 0.0009
RT 5.622 Area 252
Q 616.00>59.00 (-) 1.14e2



Insight Report

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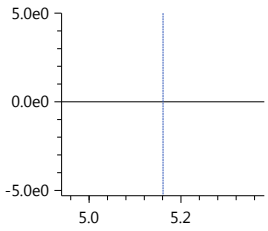
N-EtFOSAA
Conc ----
RT ---- Area ----
Q 584.20>418.95 (-) 0.00e0



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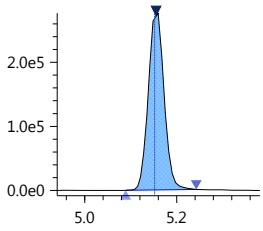
Conc 5.0000
RT 5.155 Area 662699
ISTD 588.80>419.00 (-) 2.77e5



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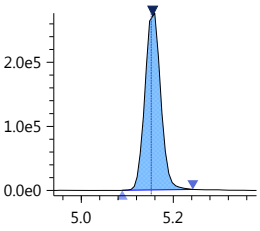
Conc 5.1401
RT 5.155 Area 662699
Q 588.80>419.00 (-) 2.77e5



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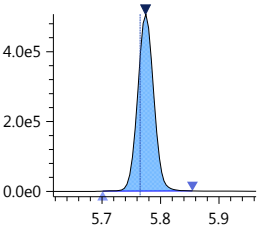
Conc 5.0000
RT 5.774 Area 969667
ISTD 530.90>169.15 (-) 5.07e5



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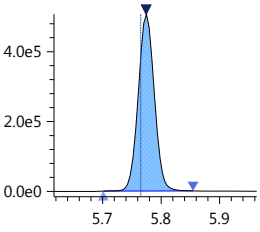
Q 530.90>169.15 (-) 5.07e5



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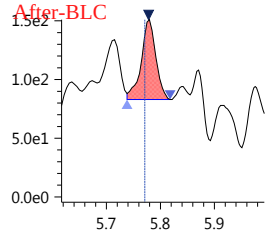
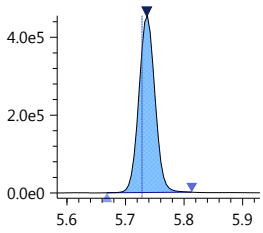
Conc 0.0033
RT 5.778 Area 128
Q 526.90>169.10 (-) 1.51e2

After-BLC



N-EtFOSE-d9_IS
Conc 5.0000
RT 5.736 Area 870807
ISTD 638.70>59.10 (-) 4.56e5



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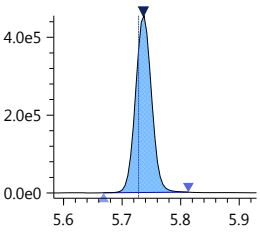
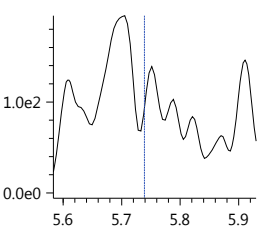
RT 5.736 Area 870807
Q 638.70>59.10 (-) 4.56e5



N-EtFOSE
Conc ----
RT ---- Area ----
Q 630.00>58.90 (-) 1.95e2



13C7-PFUnDA_IS
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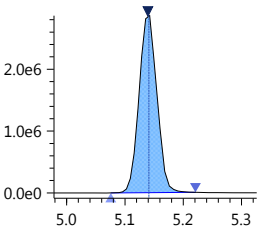
RT 5.139 Area 6124493
ISTD 570.00>525.00 (-) 2.87e6



Insight Report

Printed at 6/21/2019 12:45:13 PM

190620_045

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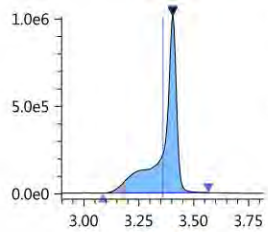
Date acquired: 6/20/2019 9:01:10 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190620_b2\190620_045.lcd
Vial: 32 | Inj. Volume: 15.0000uL | Tray: 5

PFBA-13C_IS
Conc 5.0000
RT 3.405 Area 4193760
ISTD 216.90>172.15 (-) 1.01e6



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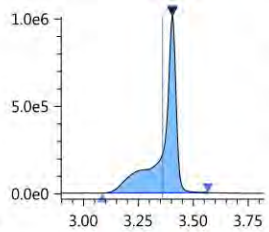
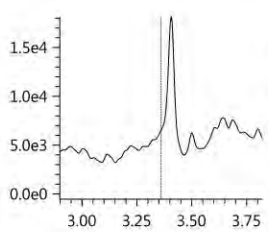
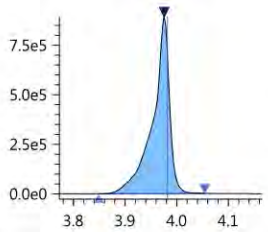


PFBA
Conc ----
RT ---- Area ----
Q 213.00>169.10 (-) 1.82e4



PFPeA-13C_IS
Conc 5.0000
RT 3.976 Area 1998833
ISTD 267.90>223.00 (-) 8.94e5



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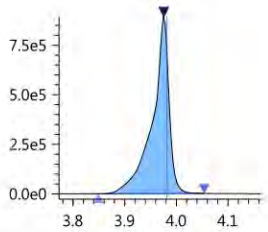
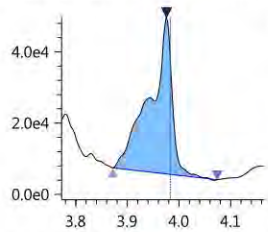
Conc 2.8213
RT 3.976 Area 1998833
Q 267.90>223.00 (-) 8.94e5



PFPeA
Conc 0.0156
RT 3.976 Area 131774
Q 263.05>219.10 (-) 4.97e4



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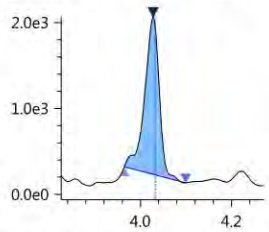
Conc 0.0161
RT 4.028 Area 4056
Q 299.00>80.00 (-) 2.06e3



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Conc 2.5121
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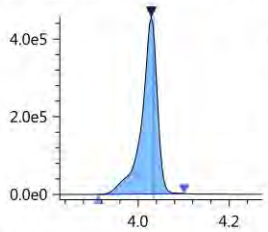
Q 301.80>80.00 (-) 4.56e5



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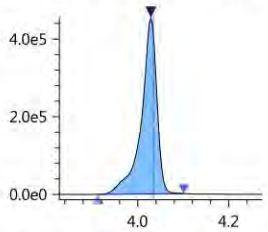

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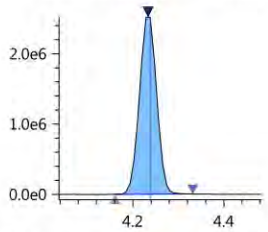

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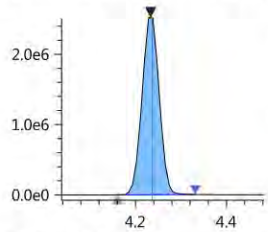

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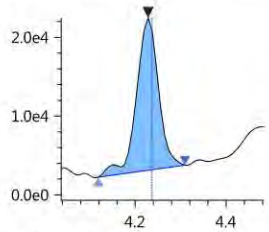

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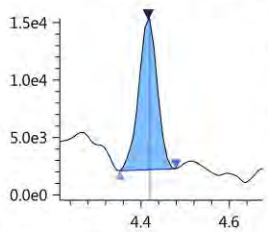
Q 362.90>319.00 (-) 1.54e4



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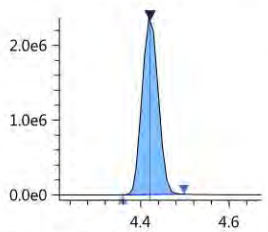
Conc 5.0000
RT 4.421 Area 6067245
ISTD 366.90>322.10 (-) 2.37e6



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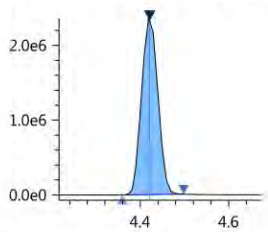
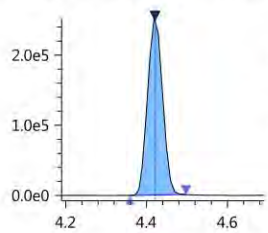
Conc 3.9165
RT 4.421 Area 6067245
Q 366.90>322.10 (-) 2.37e6



PFHxS-18O_IS
Conc 5.0000
RT 4.421 Area 651908
ISTD 402.70>84.05 (-) 2.53e5



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Conc 2.9650
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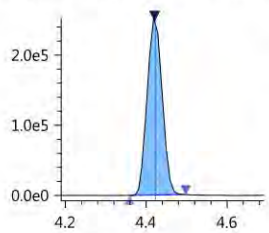

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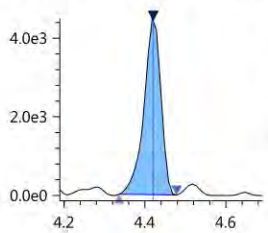
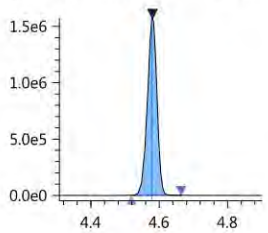


6_2-FTS-13C
Conc 19.8417
RT 4.580 Area 3071914
Q 428.90>409.00 (-) 1.57e6



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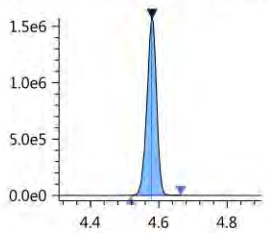
ISTD 428.90>409.00 (-) 1.57e6



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6_2-FTS_1
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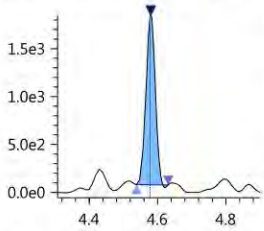
Q 427.00>407.00 (-) 1.85e3



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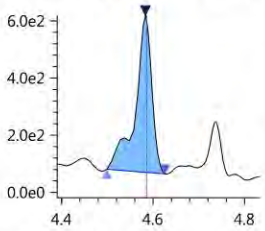

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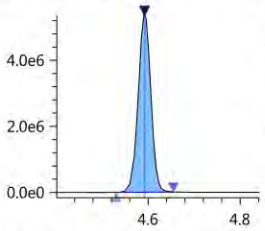

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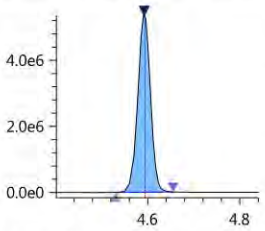
Q 416.80>372.05 (-) 5.37e6



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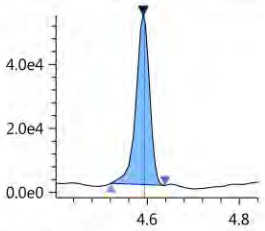
Q 413.00>369.00 (-) 5.54e4



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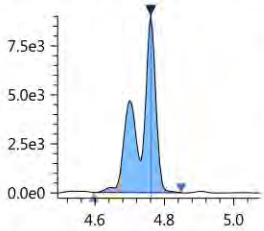
Conc 0.2047
RT 4.761 Area 30179
Q 499.00>80.00 (-) 9.04e3



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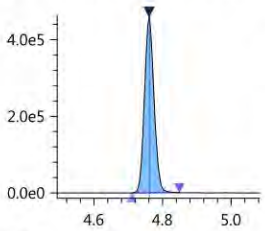
ISTD 502.80>80.05 (-) 4.62e5



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Conc 3.1998
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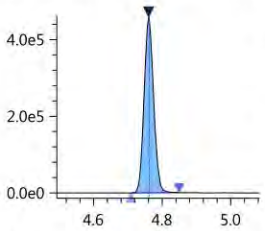

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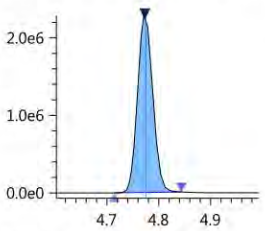
Conc 5.0000
RT 4.773 Area 4713187
ISTD 467.80>423.00 (-) 2.29e6



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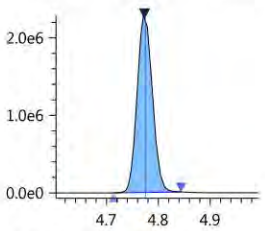

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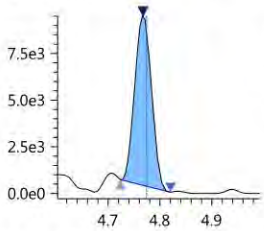
Conc 0.0027
RT 4.767 Area 20590
Q 463.00>418.90 (-) 9.50e3



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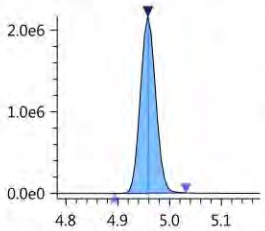

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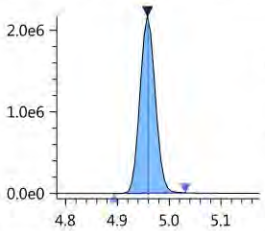

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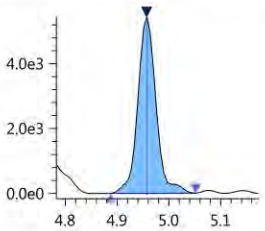
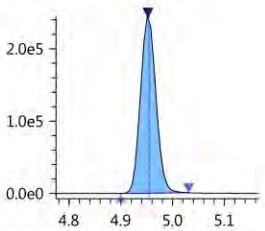
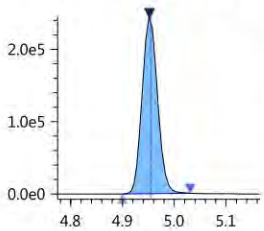
Conc 0.0146
RT 4.957 Area 13227
Q 513.00>468.80 (-) 5.47e3



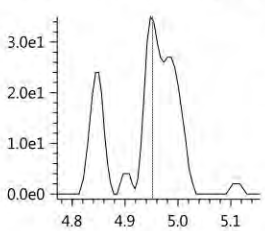
8_2-FTS-13C_IS
Conc 5.0000
RT 4.952 Area 507648
ISTD 528.80>509.00 (-) 2.45e5



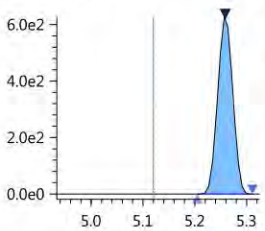
8_2-FTS-13C
Conc 5.9020
RT 4.952 Area 507648
Q 528.80>509.00 (-) 2.45e5



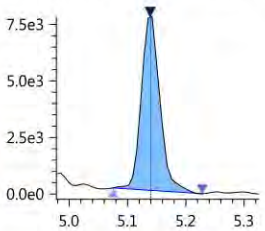
8_2-FTS_1
Conc ----
RT ---- Area ----
Q 527.10>506.90 (-) 3.50e1



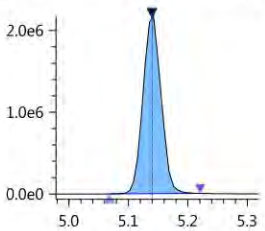
PFDS_1
Conc 0.0080
RT 5.259 Area 1276
Q 599.00>79.90 (-) 6.28e2



PFUnA
Conc -0.0115
RT 5.139 Area 17126
Q 563.00>518.90 (-) 7.84e3



PFUnA-13C_IS
Conc 5.0000
RT 5.140 Area 4608674
ISTD 564.80>519.95 (-) 2.17e6



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PFUnA-13C
Conc 4.7438
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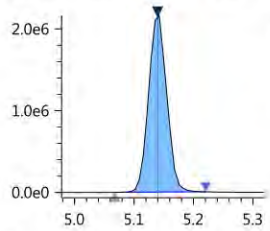
Q 564.80>519.95 (-) 2.17e6



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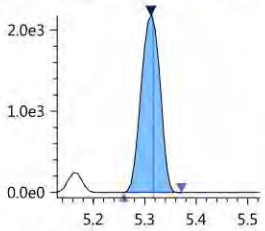
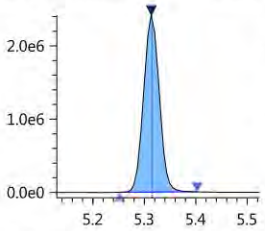
Conc -0.0056
RT 5.312 Area 5617
Q 613.05>569.00 (-) 2.18e3



PFDoA-13C
Conc 3.7420
RT 5.314 Area 5113390
Q 614.80>569.95 (-) 2.42e6



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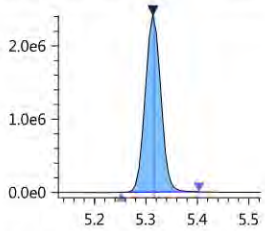
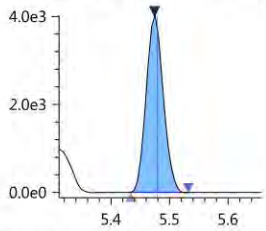
ISTD 614.80>569.95 (-) 2.42e6



PFTrDA
Conc -0.0029
RT 5.474 Area 8168
Q 663.00>618.90 (-) 4.03e3



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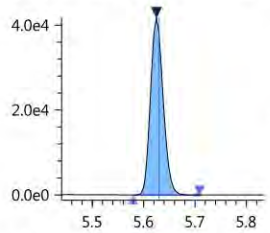
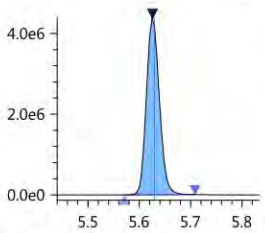
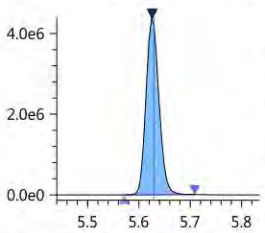
Conc -0.0103
RT 5.625 Area 71810
Q 713.40>669.00 (-) 4.18e4



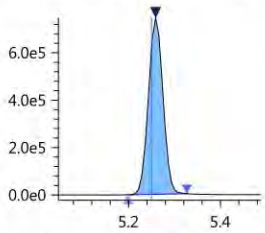
PFTeDA-13C
Conc 7.3985
RT 5.626 Area 7701149
Q 714.70>669.90 (-) 4.39e6



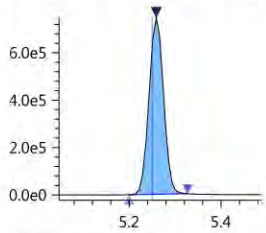
PFTeDA-13C_IS
Conc 5.0000
RT 5.626 Area 7701149
ISTD 714.70>669.90 (-) 4.39e6



FOSA-13C_IS
Conc 5.0000
RT 5.259 Area 1638611
ISTD 506.00>78.05 (-) 7.48e5



FOSA-13C
Conc 2.2622
RT 5.259 Area 1638611
Q 506.00>78.05 (-) 7.48e5



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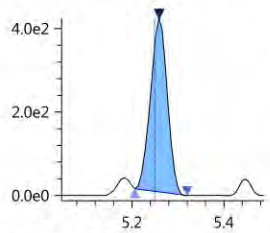
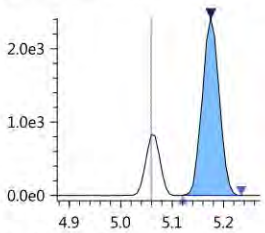
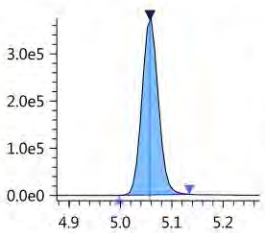
Conc 0.0025
RT 5.259 Area 1057
Q 498.20>78.00 (-) 4.25e2



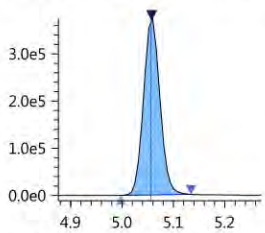
N-MeFOSAA
Conc 0.0504
RT 5.175 Area 5565
Q 570.20>419.00 (-) 2.42e3



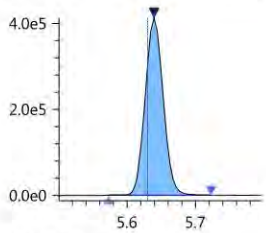
N-MeFOSAA-d3
Conc 5.6826
RT 5.057 Area 831942
Q 572.80>419.05 (-) 3.76e5



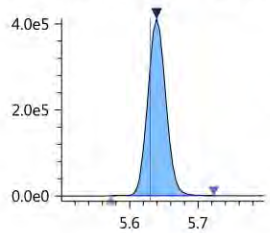
N-MeFOSAA-d3_IS
Conc 5.0000
RT 5.057 Area 831942
ISTD 572.80>419.05 (-) 3.76e5



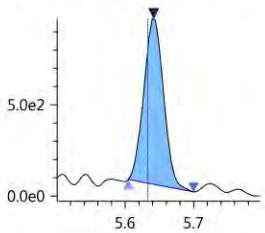
N-MeFOSA-d3_IS
Conc 5.0000
RT 5.639 Area 756284
ISTD 514.90>168.90 (-) 4.12e5



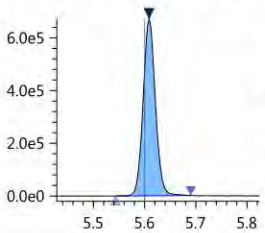
N-MeFOSA-d3
Conc 3.4536
RT 5.639 Area 756284
Q 514.90>168.90 (-) 4.12e5



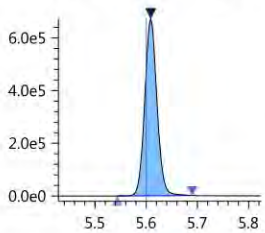
N-MeFOSA
Conc 0.0071
RT 5.641 Area 1825
Q 512.00>169.10 (-) 9.72e2



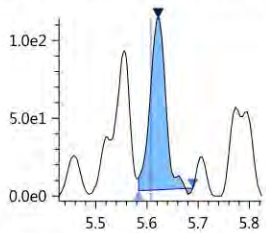
N-MeFOSE-d7
Conc 3.5430
RT 5.609 Area 1117042
Q 622.70>59.10 (-) 6.73e5



N-MeFOSE-d7_IS
Conc 5.0000
RT 5.609 Area 1117042
ISTD 622.70>59.10 (-) 6.73e5



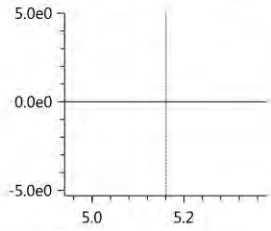
N-MeFOSE
Conc 0.0009
RT 5.622 Area 233
Q 616.00>59.00 (-) 1.14e2



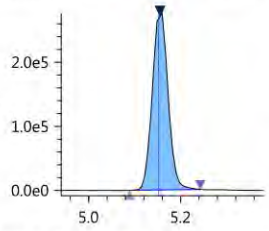
Insight Report

Printed at 6/21/2019 12:45:13 PM

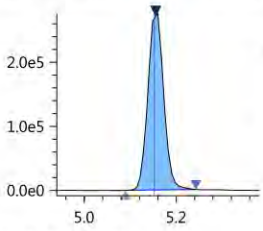
N-EtFOSAA
Conc ----
RT ---- Area ----
Q 584.20>418.95 (-) 0.00e0



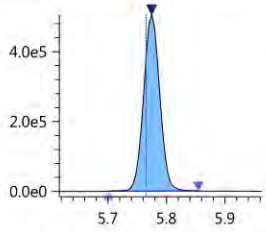
N-EtFOSAA-d5_IS
Conc 5.0000
RT 5.155 Area 662699
ISTD 588.80>419.00 (-) 2.77e5



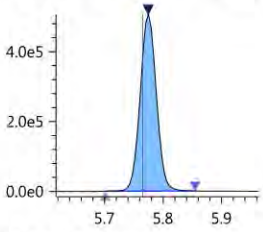
N-EtFOSAA-d5
Conc 5.1401
RT 5.155 Area 662699
Q 588.80>419.00 (-) 2.77e5



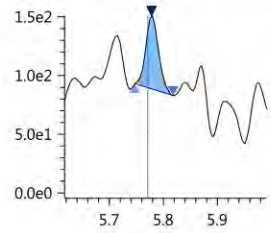
N-EtFOSA-d9_IS
Conc 5.0000
RT 5.774 Area 969667
ISTD 530.90>169.15 (-) 5.07e5



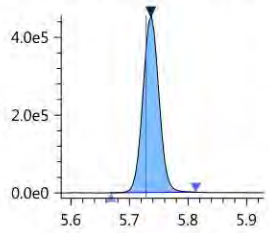
N-EtFOSA-d9
Conc 2.9857
RT 5.774 Area 969667
Q 530.90>169.15 (-) 5.07e5



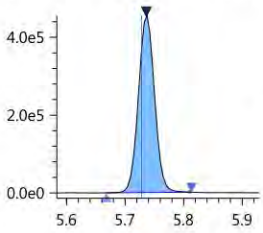
N-EtFOSA
Conc 0.0026
RT 5.778 Area 103
Q 526.90>169.10 (-) 1.51e2



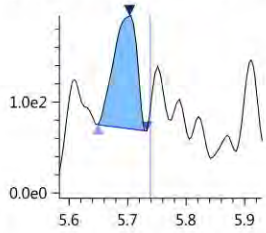
N-EtFOSE-d9_IS
Conc 5.0000
RT 5.736 Area 870807
ISTD 638.70>59.10 (-) 4.56e5



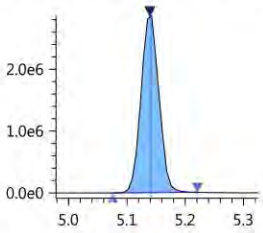
N-EtFOSE-d9
Conc 3.3725
RT 5.736 Area 870807
Q 638.70>59.10 (-) 4.56e5



N-EtFOSE
Conc 0.0015
RT 5.703 Area 343
Q 630.00>58.90 (-) 1.95e2



13C7-PFUnDA_IS
Conc 5.0000
RT 5.139 Area 6124493
ISTD 570.00>525.00 (-) 2.87e6



1st CM 06/21/19
2nd 06/24/19

Validation Report

Data File: J:\LCMS06\Data\190620_b2\190620_046
Lab ID: R1905417-003
RunType: N/A
Matrix: Water

Date Acquired: 6/20/19 21:11
Batch ID: 640215
Analysis Method: PFC/537M/PFOA

Validations

Validation Categories	Pass	Fail
Preparation Hold Time	X	
Analytical Hold Time	X	
ICAL Analyte Recovery	X	
Second Source ICAL Verification	X	
Continuing Calibration Recovery		X
Lab Control Sample Recovery	X	
Duplicate Lab Control Sample Recovery	X	
Method Blank	X	
Method Blank Surrogates	X	
Internal Standards	X	
Surrogates		X
Std MRL Unsupported by ICAL	X	
Above Highest ICAL Level	X	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Continuing Calibration Recovery	D3-MeFOSAA	157	70	130	native ok
	13C2-8:2 FTS	169	70	130	native ok
	13C2-6:2 FTS	141	70	130	native ok
	13C8-FOSA	66	70	130	native ok
	D5-EtFOSAA	146	70	130	native ok
Surrogates	13C5-PFPeA	24	27	138	RR to confirm
	13C2-6:2 FTS	334	10	226	High bias ND

Primary Review: _____

Secondary Review: _____

1st CM 06/21/19
2nd 06/24/19

Quantitation Report

Data File:	J:\LCMS06\Data\190620_b2\190620_046	**Instrument:**	K-LCMS-06
Acqu Date:	6/20/19 21:11	**Vial:**	15
Run Type:	N/A	**Dilution:**	1
Lab ID:	R1905417-003	**Raw Units:**	ng/mL

Bottle ID:	R1905417-003.05	**Tier:**	IV	**Matrix:**	Water
Prod Code:	PFOA	**Collect Date:**	6/10/19	**Receive Date:**	6/12/19

Analysis Lot:	640215	**Prep Lot:**	338877	**Report Group:**	R1905417
Analysis	PFC/537M	**Prep Method:**	EPA 3535A		
		Prep Date:	6/18/19		

Title:	Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS	**Calibration ID:**	KC1900234
		Report List ID:	19884

Internal Standard Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	Area Criteria
13C7-PFUnDA	5.132	-0.01	6212917	5.0000	OK

Surrogate Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	% Rec		% Rec Criteria	Rpt?
13C3-PFBS	4.016	-0.02	889007	2.0497	41		20 - 109	Y
18O2-PFHxS	4.414	-0.01	570897	2.5596	51		26 - 122	Y
13C4-PFOS	4.752	-0.01	845801	3.0211	60		25 - 121	Y
13C4-PFBA	3.371	-0.05	1784312	1.5044	30		27 - 124	Y
13C5-PFPeA	3.961	-0.02	851128	1.1843	24	*	27 - 138	Y
13C2-PFHxA	4.219	-0.02	3711060	2.2906	46		28 - 132	Y
13C4-PFHpA	4.414	-0.01	3585793	2.2817	46		19 - 139	Y
13C4-PFOA	4.585	-0.01	7895356	4.1398	83		22 - 130	Y
13C5-PFNA	4.765	-0.01	6069958	4.7393	95		20 - 127	Y
13C2-PFDA	4.950	-0.01	4486783	3.7408	75		24 - 125	Y
13C2-PFUnDA	5.133	-0.01	4167158	4.2283	85		22 - 125	Y
13C2-PFDoDA	5.306	-0.01	4097627	2.9560	59		19 - 122	Y
13C2-PFTeDA	5.619	-0.01	4283196	4.0563	81		13 - 124	Y
13C8-FOSA	5.251	0.00	1526259	2.0771	42		18 - 109	Y
D3-MeFOSAA	5.050	-0.01	683030	4.5990	92		9 - 123	Y
D5-EtFOSAA	5.146	-0.01	481462	3.6812	74		12 - 126	Y
13C2-6:2 FTS	4.572	-0.01	2621571	16.6919	334	*	10 - 226	Y
13C2-8:2 FTS	4.944	-0.01	480480	5.5066	110		10 - 202	Y

Target Compounds

Final Conc.Units: ng/L

Parameter Name	RT	RT Dev	Response	Solution Conc	Final Conc	Q	Rpt?
Perfluorobutane sulfonic acid (PFBS)	4.010	-0.02	6544	0.0314	0.88	J	Y
Perfluorohexane sulfonic acid (PFHxS)	4.411	-0.01	26238	0.1267	3.6	J	Y

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

1st CM 06/21/19

2nd 06/24/19

Data File:	J:\LCMS06\Data\190620_b2\190620_046	**Instrument:**	K-LCMS-06
Acqu Date:	6/20/19 21:11	**Vial:**	15
Run Type:	N/A	**Dilution:**	1
Lab ID:	R1905417-003	**Raw Units:**	ng/mL

Target Compounds

Final Conc.Units: ng/L

Parameter Name	RT	RT Dev	Response	Solution Conc	Final Conc	Q	Rpt?
Perfluoroheptane sulfonic acid (PFHpS)	4.576	-0.01	2007	0.0108	0.30	U	Y
Perfluorooctane sulfonic acid (PFOS)	4.753	-0.01	56155	0.3978	11		Y
Perfluorodecane sulfonic acid (PFDS)	0		0	0	0	U	Y
Perfluorobutanoic acid (PFBA)	0		0	0	0	U	Y
Perfluoropentanoic acid (PFPeA)	3.964	-0.02	101253	0.1256	3.5	J	Y
Perfluorohexanoic acid (PFHxA)	4.202	-0.04	139221	0.1388	3.9	U	Y
Perfluoroheptanoic acid (PFHpA)	4.400	-0.02	102917	0.1366	3.8	J	Y
Perfluorooctanoic acid (PFOA)	4.585	-0.01	199965	0.1205	3.4		Y
Perfluorononanoic acid (PFNA)	4.765	-0.01	28135	0.0042	0.12	U	Y
Perfluorodecanoic acid (PFDA)	4.948	-0.01	15489	0.0170	0.48	U	Y
Perfluoroundecanoic acid (PFUnDA)	5.133	-0.01	19629	-0.0057	0	U	Y
Perfluorododecanoic acid (PFDoDA)	5.306	-0.01	3630	-0.0074	0	U	Y
Perfluorotridecanoic acid (PFTrDA)	5.468	-0.01	7934	0.0012	0.034	U	Y
Perfluorotetradecanoic acid (PFTeDA)	5.619	-0.01	46608	0.0126	0.35	U	Y
Perfluorooctane sulfonamide (FOSA)	5.252	0.00	2627	0.0067	0.19	U	Y
N-Methyl perfluorooctane sulfonamidoacetic acid	5.050	-0.01	809	0.0089	0.25	U	Y
N-Ethyl perfluorooctane sulfonamidoacetic acid	0		0	0	0	U	Y
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	4.571	-0.01	4267	0.0066	0.19	U	Y
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	4.943	-0.01	116	0.0016	0.045	U	Y

Prep Amount:	285.0000 mL	**Dilution:**	1
Prep Final Amount:	8.00 mL	**Basis Factor:**	100.00

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Insight Report

Printed at 6/21/2019 1:50:21 PM

190620_046

Sample ID: R1905417-003
Date acquired: 6/20/2019 9:11:37 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190620_b2\190620_046.lcd
Vial: 33 | Inj. Volume: 15.0000uL | Tray: 5

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
PFBA-13C_IS	M	3.371	1779796	1779796	2	5.0000	ng/mL	----
PFBA-13C	M	3.371	1784312	6212917	26	1.5044	ng/mL	----
PFBA	ND(W/B)	----	----	1779796	2	----	ng/mL	----
PFPeA-13C_IS	M	3.961	851128	851128	4	5.0000	ng/mL	----
PFPeA-13C	M	3.961	851128	6212917	26	1.1843	ng/mL	----
PFPeA	M	3.964	101253	851128	4	0.1256	ng/mL	----
PFBS_1	M	4.010	6544	889007	16	0.0314	ng/mL	----
PFBS-13C	Auto	4.016	889007	6212917	26	2.0497	ng/mL	----
PFBS-13C_IS	Auto	4.016	889007	889007	16	5.0000	ng/mL	----
PFHxA-13C_IS	Auto	4.219	3711060	3711060	6	5.0000	ng/mL	----
PFHxA-13C	Auto	4.219	3711060	6212917	26	2.2906	ng/mL	----
PFHxA	M	4.202	139221	3711060	6	0.1388	ng/mL	----
PFHpA	M	4.400	102917	3585793	8	0.1366	ng/mL	----
PFHpA-13C_IS	Auto	4.414	3585793	3585793	8	5.0000	ng/mL	----
PFHpA-13C	Auto	4.414	3585793	6212917	26	2.2817	ng/mL	----
PFHxS-18O_IS	Auto	4.414	570897	570897	7	5.0000	ng/mL	----
PFHxS-18O	Auto	4.414	570897	6212917	26	2.5596	ng/mL	----
PFHxS_1	Auto	4.411	26238	570897	7	0.1267	ng/mL	----
6_2-FTS-13C	Auto	4.572	2621571	6212917	26	16.6919	ng/mL	----
6_2-FTS-13C_IS	Auto	4.572	2621571	2621571	10	5.0000	ng/mL	----
6_2-FTS_1	M	4.571	4267	2621571	10	0.0066	ng/mL	----
PFHpS_1	M	4.576	2007	570897	7	0.0108	ng/mL	----
PFOA-13C_IS	Auto	4.585	7895356	7895356	9	5.0000	ng/mL	----
PFOA-13C	Auto	4.585	7895356	6212917	26	4.1398	ng/mL	----
PFOA	M	4.585	199965	7895356	9	0.1205	ng/mL	----
PFOS_1	Auto	4.753	56155	845801	13	0.3978	ng/mL	----
PFOS-13C_IS	Auto	4.752	845801	845801	13	5.0000	ng/mL	----
PFOS-13C	Auto	4.752	845801	6212917	26	3.0211	ng/mL	----
PFNA-13C_IS	Auto	4.765	6069958	6069958	11	5.0000	ng/mL	----
PFNA-13C	Auto	4.765	6069958	6212917	26	4.7393	ng/mL	----
PFNA	Auto	4.765	28135	6069958	11	0.0042	ng/mL	----
PFDA-13C_IS	Auto	4.950	4486783	4486783	12	5.0000	ng/mL	----
PFDA-13C	Auto	4.950	4486783	6212917	26	3.7408	ng/mL	----
PFDA	Auto	4.948	15489	4486783	12	0.0170	ng/mL	----
8_2-FTS-13C_IS	Auto	4.944	480480	480480	15	5.0000	ng/mL	----
8_2-FTS-13C	Auto	4.944	480480	6212917	26	5.5066	ng/mL	----
8_2-FTS_1	M	4.943	116	480480	15	0.0016	ng/mL	----
PFDS_1	ND(W/B)	----	----	845801	13	----	ng/mL	----
PFUnA	Auto	5.133	19629	4167158	14	-0.0057	ng/mL	----
PFUnA-13C_IS	Auto	5.133	4167158	4167158	14	5.0000	ng/mL	----
PFUnA-13C	Auto	5.133	4167158	6212917	26	4.2283	ng/mL	----
PFDoA	M	5.306	3630	4097627	17	-0.0074	ng/mL	----
PFDoA-13C	Auto	5.306	4097627	6212917	26	2.9560	ng/mL	----
PFDoA-13C_IS	Auto	5.306	4097627	4097627	17	5.0000	ng/mL	----
PFTrDA	Auto	5.468	7934	4283196	22	0.0012	ng/mL	----
PFTeDA	Auto	5.619	46608	4283196	22	0.0126	ng/mL	----
PFTeDA-13C	Auto	5.619	4283196	6212917	26	4.0563	ng/mL	----
PFTeDA-13C_IS	Auto	5.619	4283196	4283196	22	5.0000	ng/mL	----
FOSA-13C_IS	Auto	5.251	1526259	1526259	18	5.0000	ng/mL	----
FOSA-13C	Auto	5.251	1526259	6212917	26	2.0771	ng/mL	----
FOSA	M	5.252	2627	1526259	18	0.0067	ng/mL	----
N-MeFOSAA	M	5.050	809	683030	19	0.0089	ng/mL	----
N-MeFOSAA-d3	Auto	5.050	683030	6212917	26	4.5990	ng/mL	----
N-MeFOSAA-d3_IS	Auto	5.050	683030	683030	19	5.0000	ng/mL	----
N-MeFOSA-d3_IS	Auto	5.632	586706	586706	1	5.0000	ng/mL	----
N-MeFOSA-d3	Auto	5.632	586706	6212917	26	2.6411	ng/mL	----
N-MeFOSA	M	5.632	1434	586706	1	0.0072	ng/mL	----
N-MeFOSE-d7	Auto	5.602	796456	6212917	26	2.4903	ng/mL	----
N-MeFOSE-d7_IS	Auto	5.602	796456	796456	20	5.0000	ng/mL	----
N-MeFOSE	M	5.611	615	796456	20	0.0032	ng/mL	----
N-EtFOSAA	ND(W/B)	----	----	481462	21	----	ng/mL	----
N-EtFOSAA-d5_IS	Auto	5.146	481462	481462	21	5.0000	ng/mL	----
N-EtFOSAA-d5	Auto	5.146	481462	6212917	26	3.6812	ng/mL	----
N-EtFOSA-d9_IS	Auto	5.767	816939	816939	23	5.0000	ng/mL	----
N-EtFOSA-d9	Auto	5.767	816939	6212917	26	2.4796	ng/mL	----
N-EtFOSA	M	5.777	270	816939	23	0.0082	ng/mL	----
N-EtFOSE-d9_IS	Auto	5.729	599028	599028	24	5.0000	ng/mL	----
N-EtFOSE-d9	Auto	5.729	599028	6212917	26	2.2869	ng/mL	----

Insight Report

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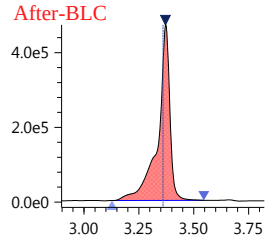
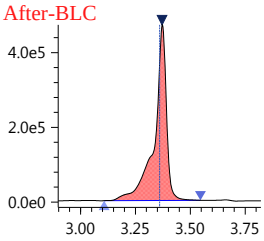
(Table continued from previous page)

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
N-EtFOSE	ND(W/B)	----	----	599028	24	----	ng/mL	----
13C7-PFUnDA_IS	Auto	5.132	6212917	6212917	26	5.0000	ng/mL	----

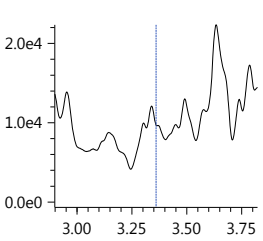
PFBA-13C_IS
Conc 5.0000
RT 3.371 Area 1779796
ISTD 216.90>172.15 (-) 4.74e5
After-BLC



PFBA-13C
Conc 1.5044
RT 3.371 Area 1784312
Q 216.90>172.15 (-) 4.74e5
After-BLC



PFBA
Conc ----
RT ---- Area ----
Q 213.00>169.10 (-) 2.23e4



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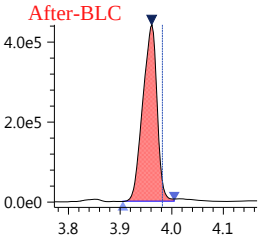
Conc 5.0000
RT 3.961 Area 851128
ISTD 267.90>223.00 (-) 4.43e5
After-BLC



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Q 267.90>223.00 (-) 4.43e5
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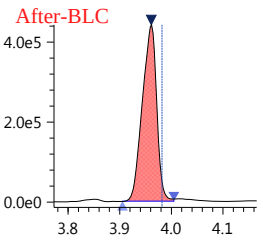

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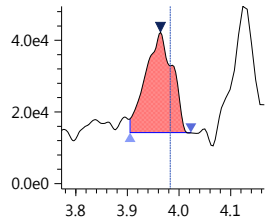
Conc 0.1256
RT 3.964 Area 101253
Q 263.05>219.10 (-) 4.95e4
After-BLC



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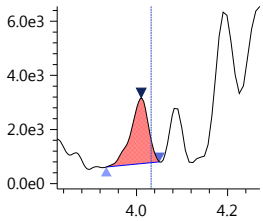
Conc 0.0314
RT 4.010 Area 6544
Q 299.00>80.00 (-) 6.55e3
After-WP



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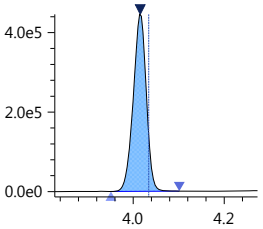
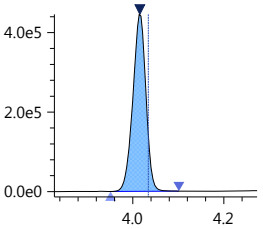
Conc 2.0497
RT 4.016 Area 889007
Q 301.80>80.00 (-) 4.46e5



PFBS-13C_IS
Conc 5.0000
RT 4.016 Area 889007
ISTD 301.80>80.00 (-) 4.46e5



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RT 4.219 Area 3711060
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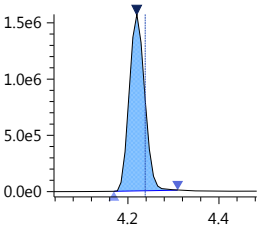

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Conc 2.2906
RT 4.219 Area 3711060
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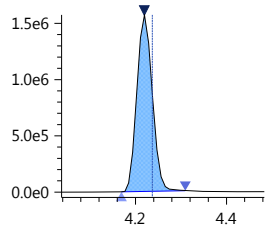

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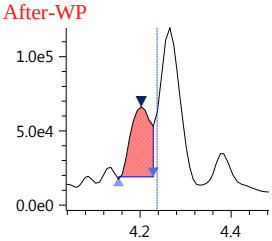
Conc 0.1388
RT 4.202 Area 139221
Q 313.00>269.00 (-) 1.19e5
After-WP



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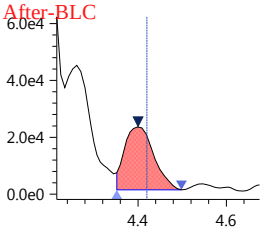
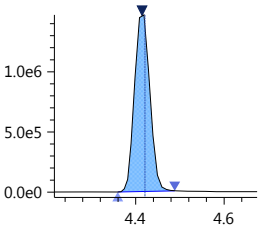
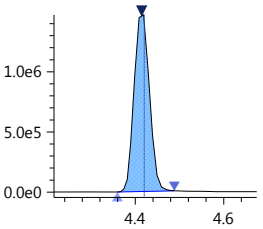
RT 4.400 Area 102917
Q 362.90>319.00 (-) 6.24e4
After-BLC



PFHpA-13C_IS
Conc 5.0000
RT 4.414 Area 3585793
ISTD 366.90>322.10 (-) 1.47e6



PFHpA-13C
Conc 2.2817
RT 4.414 Area 3585793
Q 366.90>322.10 (-) 1.47e6



PFHxS-18O_IS
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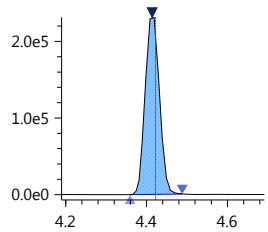
RT 4.414 Area 570897
ISTD 402.70>84.05 (-) 2.31e5



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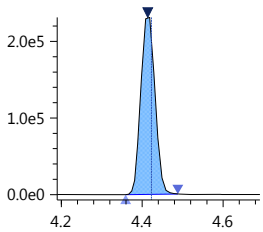
Conc 2.5596
RT 4.414 Area 570897
Q 402.70>84.05 (-) 2.31e5



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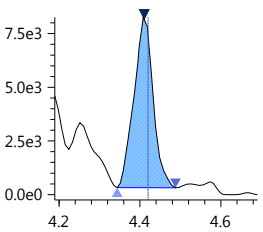
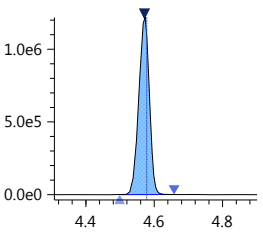
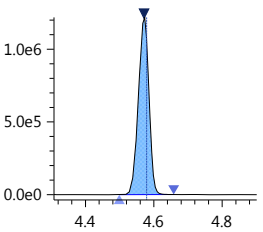
Conc 0.1267
RT 4.411 Area 26238
Q 399.00>80.00 (-) 8.26e3



6_2-FTS-13C
Conc 16.6919
RT 4.572 Area 2621571
Q 428.90>409.00 (-) 1.22e6



6_2-FTS-13C_IS
Conc 5.0000
RT 4.572 Area 2621571
ISTD 428.90>409.00 (-) 1.22e6



Insight Report

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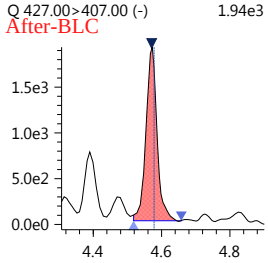
Conc 0.0066
RT 4.571 Area 4267
Q 427.00>407.00 (-) 1.94e3



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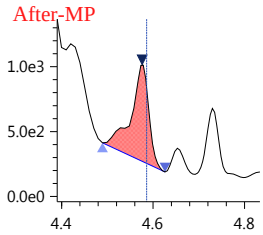
RT 4.576 Area 2007
Q 449.00>80.15 (-) 1.37e3



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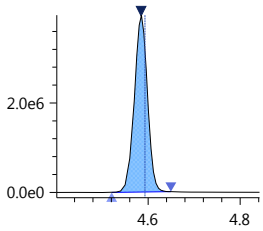
Conc 5.0000
RT 4.585 Area 7895356
ISTD 416.80>372.05 (-) 3.96e6



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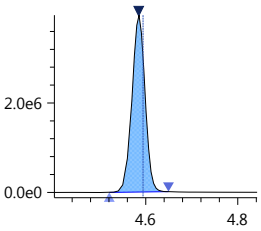

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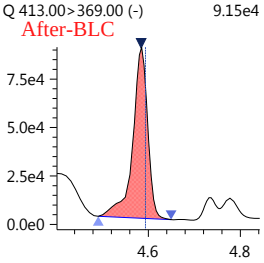
RT 4.585 Area 199965
Q 413.00>369.00 (-) 9.15e4



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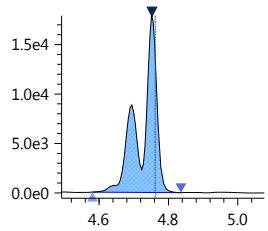
Q 499.00>80.00 (-) 1.79e4



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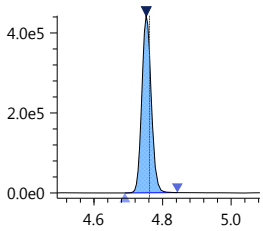
ISTD 502.80>80.05 (-) 4.43e5



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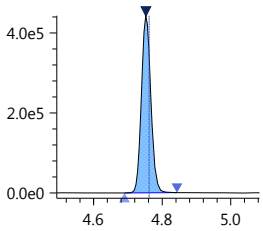

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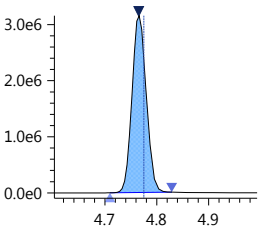
ISTD 467.80>423.00 (-) 3.16e6



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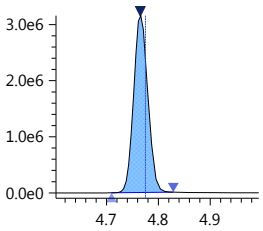

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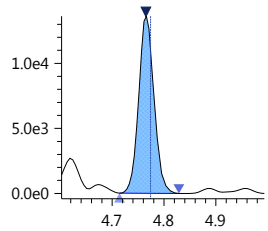

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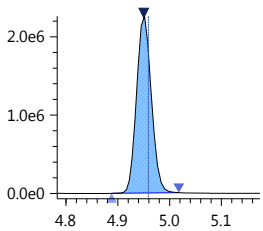
ISTD 514.80>469.95 (-) 2.26e6



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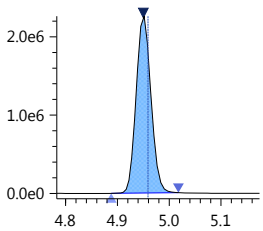

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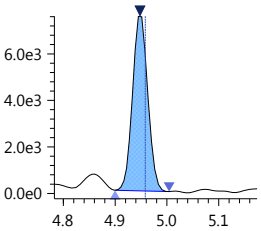
Q 513.00>468.80 (-) 7.62e3



8_2-FTS-13C_IS
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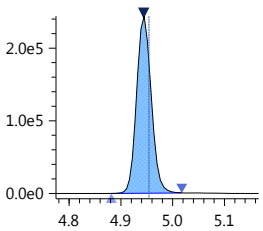
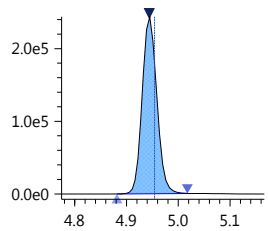
RT 4.944 Area 480480
ISTD 528.80>509.00 (-) 2.44e5



8_2-FTS-13C
Conc 5.5066
RT 4.944 Area 480480
Q 528.80>509.00 (-) 2.44e5



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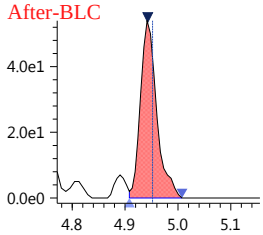
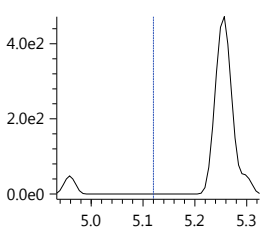
Q 527.10>506.90 (-) 5.40e1



PFDS_1
Conc ----
RT ---- Area ----
Q 599.00>79.90 (-) 4.72e2



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Conc -0.0057
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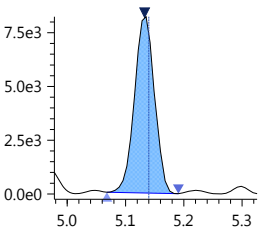
Q 563.00>518.90 (-) 8.25e3



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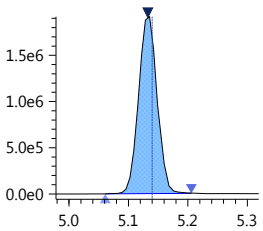

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Conc 4.2283
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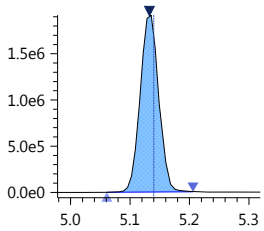
Q 564.80>519.95 (-) 1.92e6



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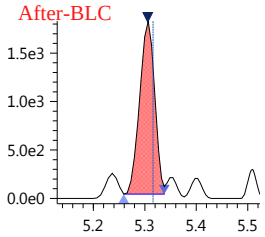
Q 613.05>569.00 (-) 1.83e3



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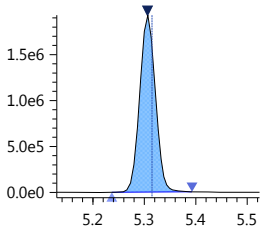
Q 614.80>569.95 (-) 1.93e6



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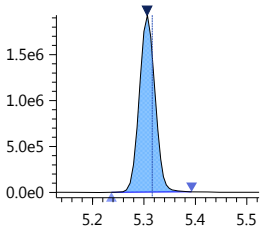

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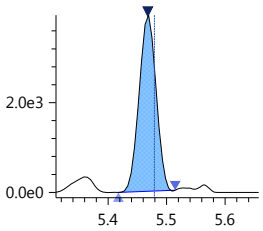

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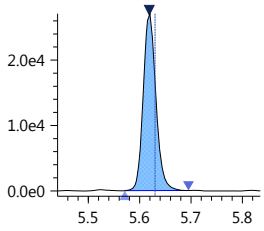
Conc 0.0126
RT 5.619 Area 46608
Q 713.40>669.00 (-) 2.71e4



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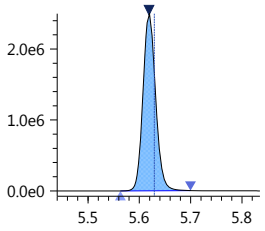
Conc 4.0563
RT 5.619 Area 4283196
Q 714.70>669.90 (-) 2.50e6



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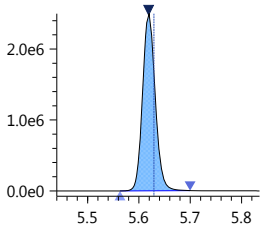
ISTD 714.70>669.90 (-) 2.50e6



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RT 5.251 Area 1526259
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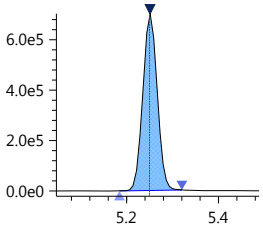

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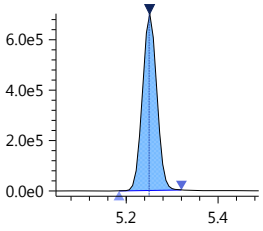
RT 5.251 Area 1526259
Q 506.00>78.05 (-) 7.03e5



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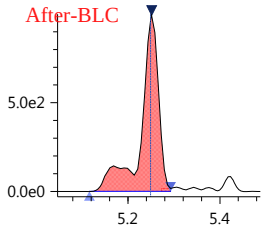

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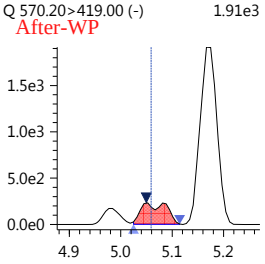

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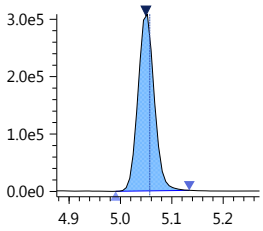
RT 5.050 Area 683030
Q 572.80>419.05 (-) 3.09e5



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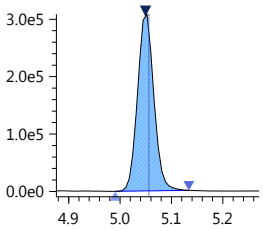

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Conc 5.0000
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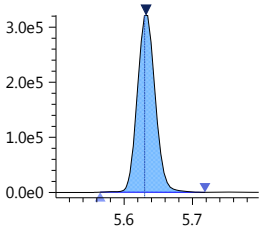

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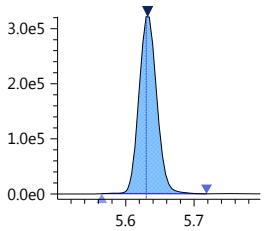
Conc 2.6411
RT 5.632 Area 586706
Q 514.90>168.90 (-) 3.22e5



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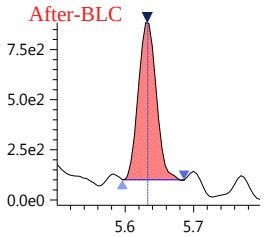

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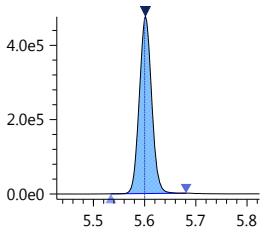
Conc 2.4903
RT 5.602 Area 796456
Q 622.70>59.10 (-) 4.77e5



N-MeFOSE-d7_IS
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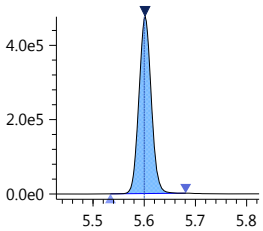

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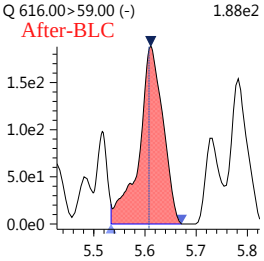
Conc 0.0032
RT 5.611 Area 615
Q 616.00>59.00 (-) 1.88e2



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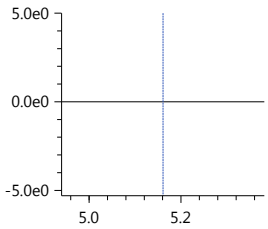
N-EtFOSAA
Conc ----
RT ---- Area ----
Q 584.20>418.95 (-) 0.00e0



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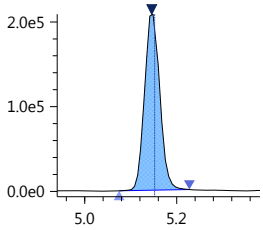
Conc 5.0000
RT 5.146 Area 481462
ISTD 588.80>419.00 (-) 2.09e5



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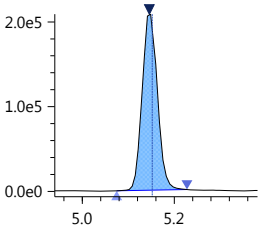
Q 588.80>419.00 (-) 2.09e5



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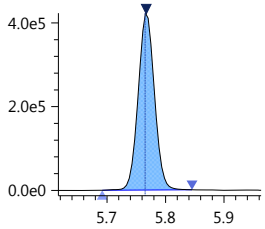

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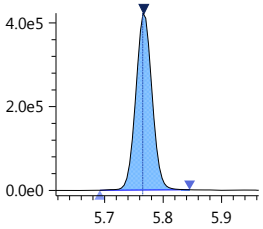
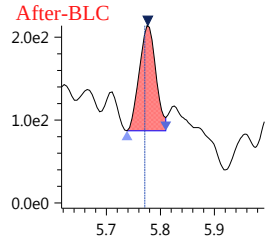
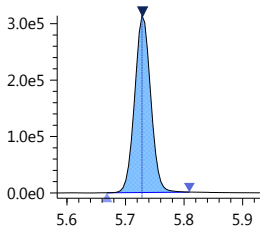


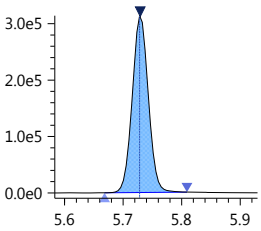
N-EtFOSA
Conc 0.0082
RT 5.777 Area 270
Q 526.90>169.10 (-) 2.14e2



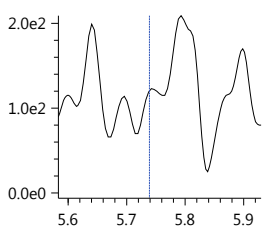
N-EtFOSE-d9_IS
Conc 5.0000
RT 5.729 Area 599028
ISTD 638.70>59.10 (-) 3.14e5



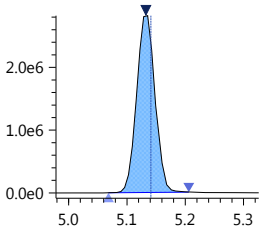
N-EtFOSE-d9
Conc 2.2869
RT 5.729 Area 599028
Q 638.70>59.10 (-) 3.14e5



N-EtFOSE
Conc ----
RT ---- Area ----
Q 630.00>58.90 (-) 2.09e2



13C7-PFUnDA_IS
Conc 5.0000
RT 5.132 Area 6212917
ISTD 570.00>525.00 (-) 2.82e6



Insight Report

Printed at 6/21/2019 12:45:13 PM

190620_046

Sample ID: R1905417-003
Date acquired: 6/20/2019 9:11:37 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190620_b2\190620_046.lcd
Vial: 33 | Inj. Volume: 15.0000uL | Tray: 5

PFBA-13C_IS
Conc 5.0000
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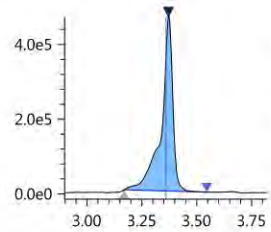
ISTD 216.90>172.15 (-) 4.74e5



PFBA-13C
Conc 1.4313
RT 3.371 Area 1697584
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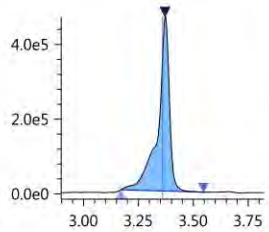
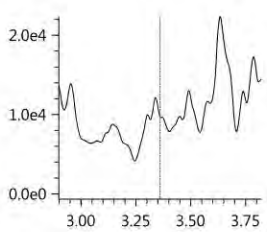
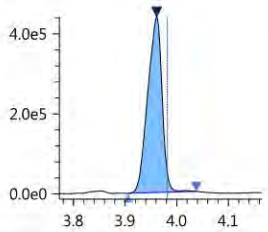


PFBA
Conc ----
RT ---- Area ----
Q 213.00>169.10 (-) 2.23e4



PFPeA-13C_IS
Conc 5.0000
RT 3.961 Area 847699
ISTD 267.90>223.00 (-) 4.43e5



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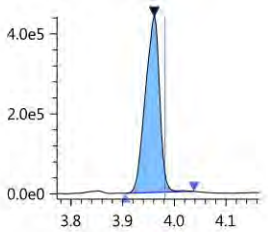
Q 267.90>223.00 (-) 4.43e5



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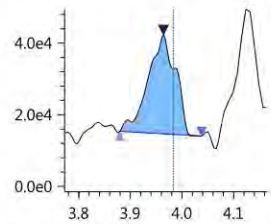
Conc 0.1274
RT 3.964 Area 101573
Q 263.05>219.10 (-) 4.95e4



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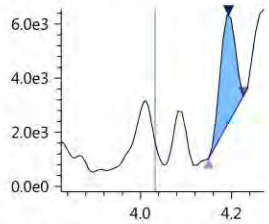
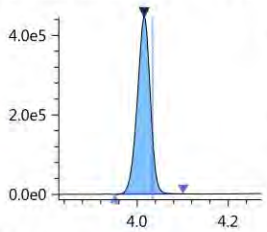
Conc 0.0442
RT 4.193 Area 9215
Q 299.00>80.00 (-) 6.55e3



PFBS-13C
Conc 2.0497
RT 4.016 Area 889007
Q 301.80>80.00 (-) 4.46e5



PFBS-13C_IS
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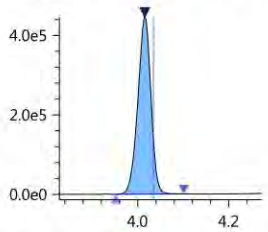
ISTD 301.80>80.00 (-) 4.46e5



PFHxA-13C_IS
Conc 5.0000
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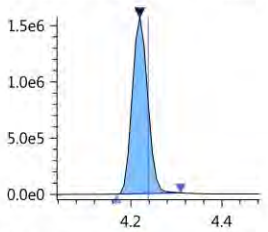

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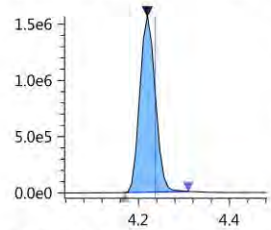
Q 314.90>270.10 (-) 1.58e6



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RT 4.264 Area 191402
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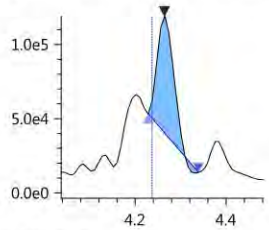

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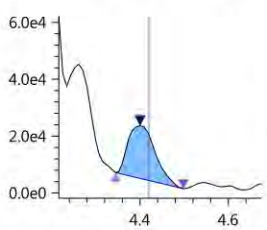
RT 4.400 Area 79417
Q 362.90>319.00 (-) 6.24e4



PFHpA-13C_IS
Conc 5.0000
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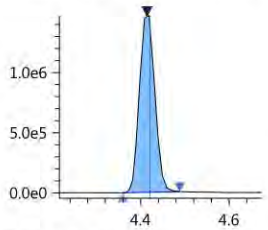
ISTD 366.90>322.10 (-) 1.47e6



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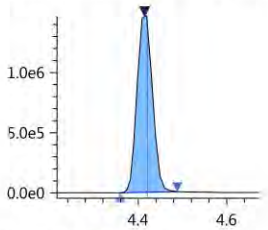
Conc 2.2817
RT 4.414 Area 3585793
Q 366.90>322.10 (-) 1.47e6



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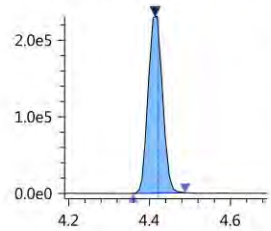

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Conc 2.5596
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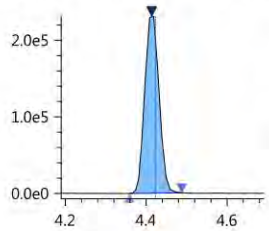
Q 402.70>84.05 (-) 2.31e5



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Conc 0.1267
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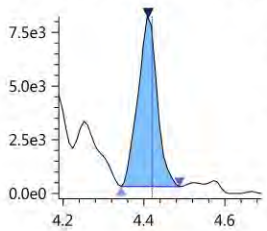
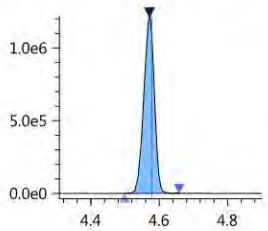
Q 399.00>80.00 (-) 8.26e3



6_2-FTS-13C
Conc 16.6919
RT 4.572 Area 2621571
Q 428.90>409.00 (-) 1.22e6



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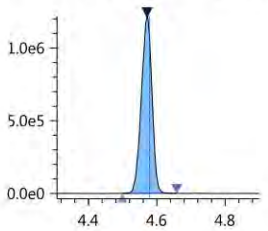

Insight Report

Printed at 6/21/2019 12:45:13 PM

6_2-FTS_1
Conc 0.0062
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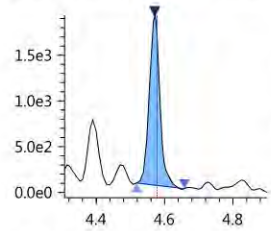
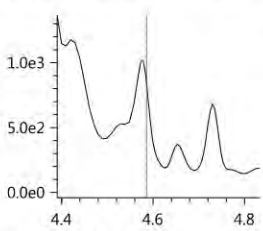
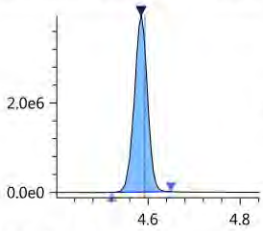
Q 427.00>407.00 (-) 1.94e3



PFHpS_1
Conc ----
RT ---- Area ----
Q 449.00>80.15 (-) 1.37e3



PFOA-13C_IS
Conc 5.0000
RT 4.585 Area 7895356
ISTD 416.80>372.05 (-) 3.96e6



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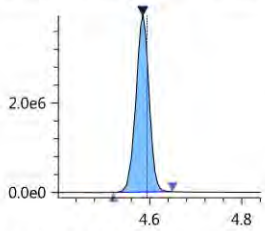
Q 416.80>372.05 (-) 3.96e6



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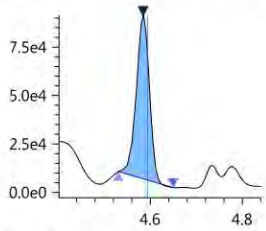

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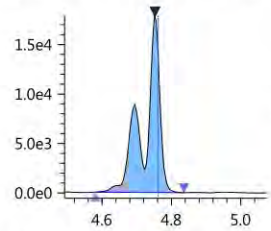
Q 499.00>80.00 (-) 1.79e4



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Conc 5.0000
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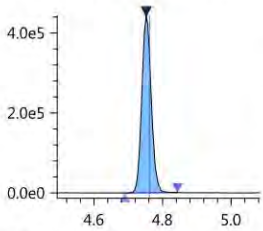
ISTD 502.80>80.05 (-) 4.43e5



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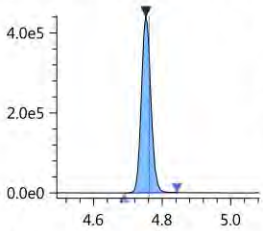

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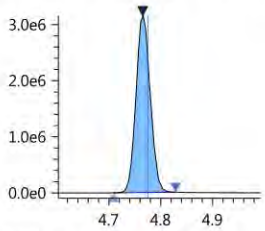
ISTD 467.80>423.00 (-) 3.16e6



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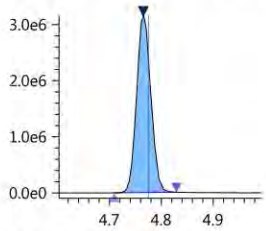

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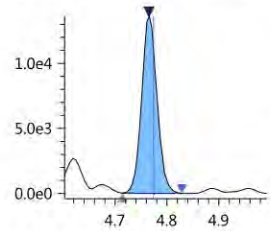
Q 463.00>418.90 (-) 1.36e4



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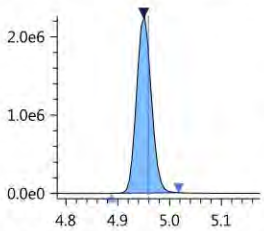

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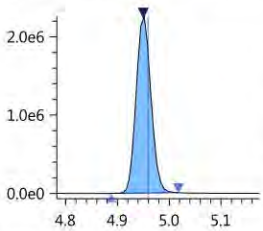

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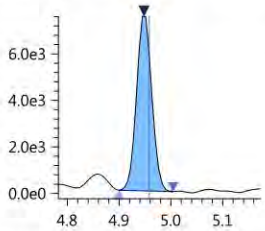
RT 4.948 Area 15489
Q 513.00>468.80 (-) 7.62e3



8_2-FTS-13C_IS
Conc 5.0000
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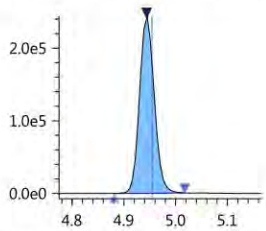
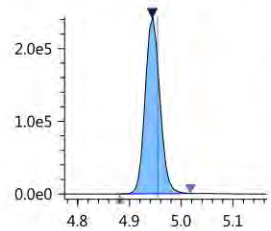
ISTD 528.80>509.00 (-) 2.44e5



8_2-FTS-13C
Conc 5.5066
RT 4.944 Area 480480
Q 528.80>509.00 (-) 2.44e5



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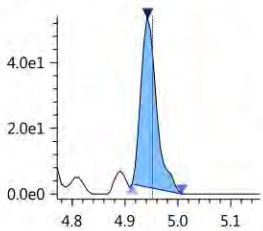
Conc 0.0015
RT 4.943 Area 107
Q 527.10>506.90 (-) 5.40e1



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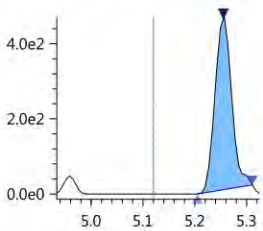
Q 599.00>79.90 (-) 4.72e2



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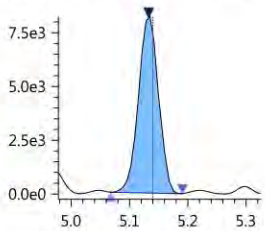
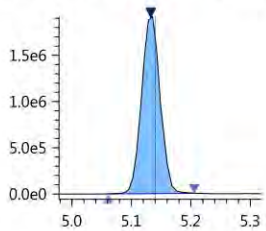
Conc -0.0057
RT 5.133 Area 19629
Q 563.00>518.90 (-) 8.25e3



PFUnA-13C_IS
Conc 5.0000
RT 5.133 Area 4167158
ISTD 564.80>519.95 (-) 1.92e6



Insight Report

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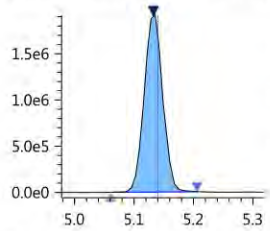
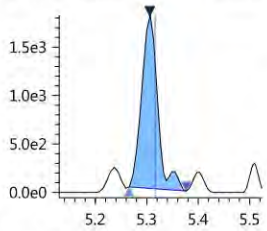
PFUnA-13C
Conc 4.2283
RT 5.133 Area 4167158
Q 564.80>519.95 (-) 1.92e6



PFDoA
Conc -0.0069
RT 5.306 Area 3888
Q 613.05>569.00 (-) 1.83e3



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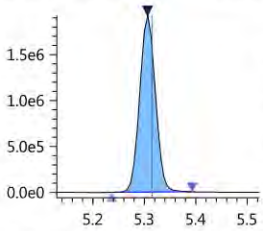
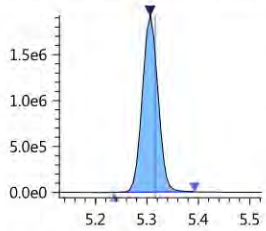
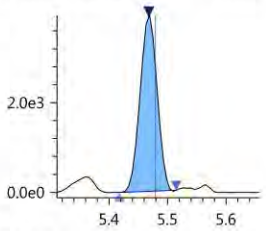
Conc 2.9560
RT 5.306 Area 4097627
Q 614.80>569.95 (-) 1.93e6



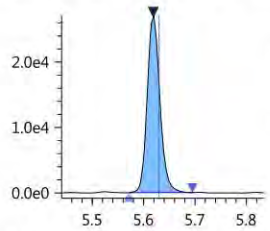
PFDoA-13C_IS
Conc 5.0000
RT 5.306 Area 4097627
ISTD 614.80>569.95 (-) 1.93e6



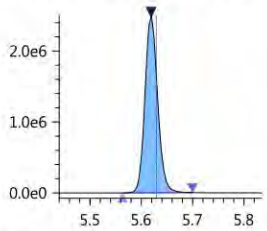
PFTrDA
Conc 0.0012
RT 5.468 Area 7934
Q 663.00>618.90 (-) 3.95e3



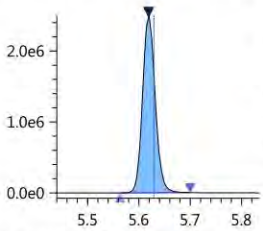
PFTeDA
Conc 0.0126
RT 5.619 Area 46608
Q 713.40>669.00 (-) 2.71e4



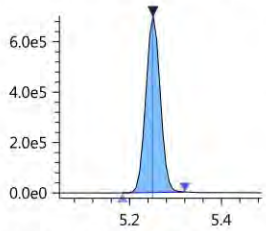
PFTeDA-13C
Conc 4.0563
RT 5.619 Area 4283196
Q 714.70>669.90 (-) 2.50e6



PFTeDA-13C_IS
Conc 5.0000
RT 5.619 Area 4283196
ISTD 714.70>669.90 (-) 2.50e6



FOSA-13C_IS
Conc 5.0000
RT 5.251 Area 1526259
ISTD 506.00>78.05 (-) 7.03e5



FOSA-13C
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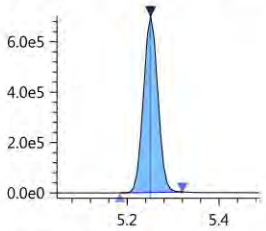
RT 5.251 Area 1526259
Q 506.00>78.05 (-) 7.03e5



FOSA
Conc 0.0047
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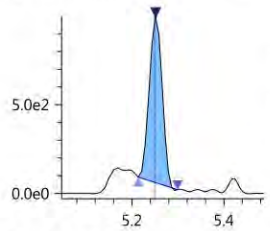
Q 498.20>78.00 (-) 9.99e2



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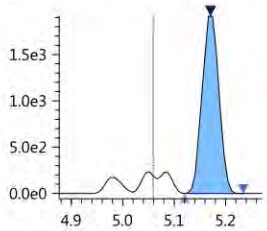
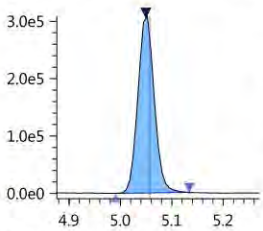
Conc 0.0486
RT 5.171 Area 4406
Q 570.20>419.00 (-) 1.91e3



N-MeFOSAA-d3
Conc 4.5990
RT 5.050 Area 683030
Q 572.80>419.05 (-) 3.09e5



N-MeFOSAA-d3_IS
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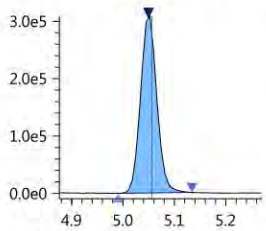
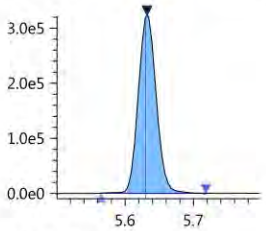
RT 5.050 Area 683030
ISTD 572.80>419.05 (-) 3.09e5



N-MeFOSA-d3_IS
Conc 5.0000
RT 5.632 Area 586706
ISTD 514.90>168.90 (-) 3.22e5



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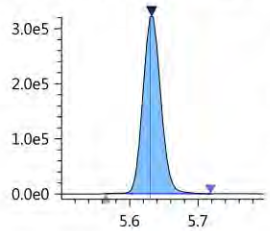
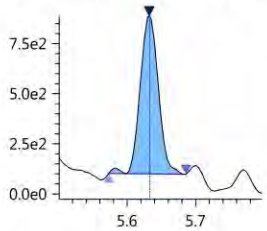
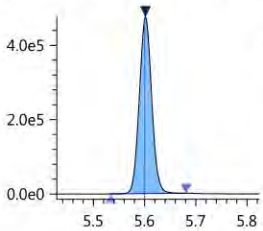
Q 514.90>168.90 (-) 3.22e5



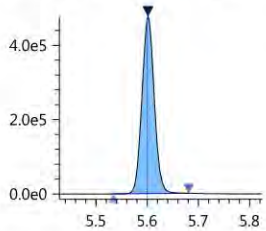
N-MeFOSA
Conc 0.0073
RT 5.632 Area 1456
Q 512.00>169.10 (-) 8.84e2



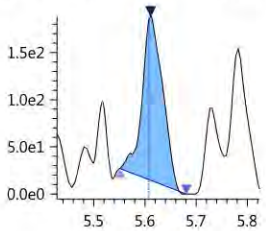
N-MeFOSE-d7
Conc 2.4903
RT 5.602 Area 796456
Q 622.70>59.10 (-) 4.77e5



N-MeFOSE-d7_IS
Conc 5.0000
RT 5.602 Area 796456
ISTD 622.70>59.10 (-) 4.77e5



N-MeFOSE
Conc 0.0026
RT 5.611 Area 488
Q 616.00>59.00 (-) 1.88e2



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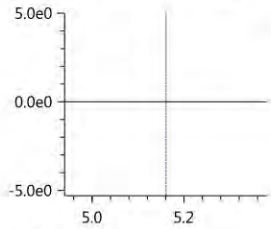
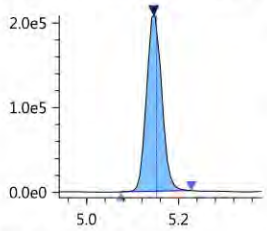
Printed at 6/21/2019 12:45:13 PM

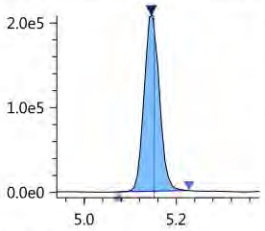
N-EtFOSAA
Conc ----
RT ---- Area ----
Q 584.20>418.95 (-) 0.00e0



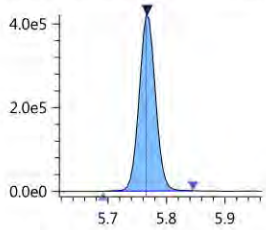
N-EtFOSAA-d5_IS
Conc 5.0000
RT 5.146 Area 481462
ISTD 588.80>419.00 (-) 2.09e5



N-EtFOSAA-d5
Conc 3.6812
RT 5.146 Area 481462
Q 588.80>419.00 (-) 2.09e5



N-EtFOSA-d9_IS
Conc 5.0000
RT 5.767 Area 816939
ISTD 530.90>169.15 (-) 4.23e5



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Conc 2.4796
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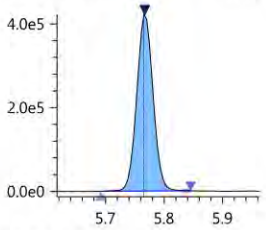
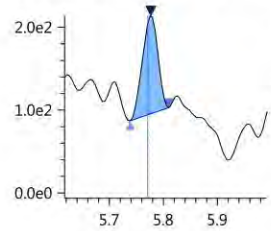
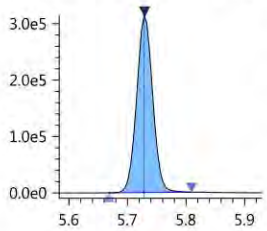
Q 530.90>169.15 (-) 4.23e5



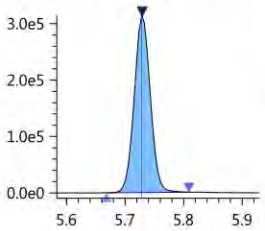
N-EtFOSA
Conc 0.0071
RT 5.777 Area 235
Q 526.90>169.10 (-) 2.14e2



N-EtFOSE-d9_IS
Conc 5.0000
RT 5.729 Area 599028
ISTD 638.70>59.10 (-) 3.14e5



N-EtFOSE-d9
Conc 2.2869
RT 5.729 Area 599028
Q 638.70>59.10 (-) 3.14e5



N-EtFOSE
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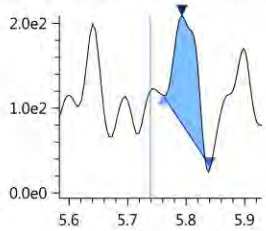
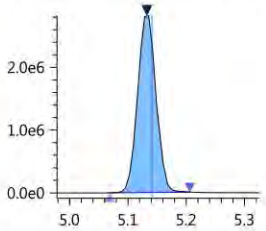
Q 630.00>58.90 (-) 2.09e2



13C7-PFUnDA_IS
Conc 5.0000
RT 5.132 Area 6212917
ISTD 570.00>525.00 (-) 2.82e6



Validation Report

Data File: J:\LCMS06\Data\190702_b3\190702_052
Lab ID: R1905417-003
RunType: N/A
Matrix: Water

Date Acquired: 7/2/19 20:14
Batch ID: 641752
Analysis Method: PFC/537M/PFOA

Validations

Validation Categories	Pass	Fail
Preparation Hold Time	X	
Analytical Hold Time	X	
ICAL Analyte Recovery	X	
Second Source ICAL Verification	X	
Continuing Calibration Recovery	X	
Lab Control Sample Recovery	X	
Duplicate Lab Control Sample Recovery	X	
Method Blank	X	
Method Blank Surrogates	X	
Internal Standards	X	
Surrogates	X	
Std MRL Unsupported by ICAL	X	
Above Highest ICAL Level	X	

Primary Review: _____

Secondary Review: _____

Quantitation Report

Data File:	J:\LCMS06\Data\190702_b3\190702_052	**Instrument:**	K-LCMS-06
Acqu Date:	7/2/19 20:14	**Vial:**	5
Run Type:	N/A	**Dilution:**	1
Lab ID:	R1905417-003	**Raw Units:**	ng/mL

Bottle ID:	R1905417-003.05	**Tier:**	IV	**Matrix:**	Water
Prod Code:	PFOA	**Collect Date:**	6/10/19	**Receive Date:**	6/12/19

Analysis Lot:	641752	**Prep Lot:**	338877	**Report Group:**	R1905417
Analysis	PFC/537M	**Prep Method:**	EPA 3535A		
		Prep Date:	6/18/19		

Title:	Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS	**Calibration ID:**	KC1900243
		Report List ID:	19884

Internal Standard Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	Area Criteria
13C7-PFUnDA	5.122	0.00	6162032	5.0000	OK

Surrogate Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	% Rec	% Rec Criteria	Rpt?
13C4-PFOS	4.745	0.00	780409	4.5464	91	25 - 121	N
13C4-PFBA	3.360	-0.04	1741690	2.1745	43	27 - 124	N
13C5-PFPeA	3.960	-0.01	1120579	2.3583	47	27 - 138	Y
13C2-PFTeDA	5.611	0.00	3699695	3.1362	63	13 - 124	N

Target Compounds

Final Conc.Units: ng/L

Parameter Name	RT	RT Dev	Response	Solution Conc	Final Conc	Q	Rpt?
Perfluorooctane sulfonic acid (PFOS)	4.745	0.00	48807	0.4142	12		N
Perfluorobutanoic acid (PFBA)	0		0	0	0	U	N
Perfluoropentanoic acid (PFPeA)	3.961	-0.01	149650	0.1457	4.1	J	Y
Perfluorotridecanoic acid (PFTrDA)	5.460	0.00	9304	0.0071	0.20	U	N
Perfluorotetradecanoic acid (PFTeDA)	5.611	0.00	42412	0.0235	0.66	U	N

Prep Amount:	285.0000 mL	**Dilution:**	1
Prep Final Amount:	8.00 mL	**Basis Factor:**	100.00

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Insight Report

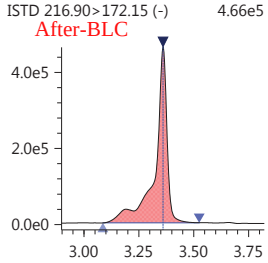
Printed at 7/9/2019 12:55:45 PM

190702_052

Sample ID: R1905417-003
Date acquired: 7/2/2019 8:14:45 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190702_b3\190702_052.lcd
Vial: 19 | Inj. Volume: 15.0000uL | Tray: 2

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
PFBA-13C_IS	M	3.360	1741690	1741690	2	5.0000	ng/mL	----
PFBA-13C	M	3.360	1741690	6162032	26	2.1745	ng/mL	----
PFBA	ND(W/B)	----	----	1741690	2	----	ng/mL	----
PFPeA-13C_IS	Auto	3.960	1120579	1120579	4	5.0000	ng/mL	----
PFPeA-13C	Auto	3.960	1120579	6162032	26	2.3583	ng/mL	----
PFPeA	M	3.961	149650	1120579	4	0.1457	ng/mL	----
PFOS_1	M	4.745	48807	780409	13	0.4142	ng/mL	----
PFOS-13C_IS	Auto	4.745	780409	780409	13	5.0000	ng/mL	----
PFOS-13C	Auto	4.745	780409	6162032	26	4.5464	ng/mL	----
PFTrDA	Auto	5.460	9304	3699695	22	0.0071	ng/mL	----
PFTeDA	Auto	5.611	42412	3699695	22	0.0235	ng/mL	----
PFTeDA-13C	Auto	5.611	3699695	6162032	26	3.1362	ng/mL	----
PFTeDA-13C_IS	Auto	5.611	3699695	3699695	22	5.0000	ng/mL	----
13C7-PFUnDA_IS	Auto	5.122	6162032	6162032	26	5.0000	ng/mL	----

PFBA-13C_IS
Conc 5.0000
RT 3.360 Area 1741690
ISTD 216.90>172.15 (-) 4.66e5
After-BLC



PFBA-13C
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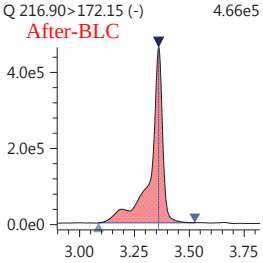
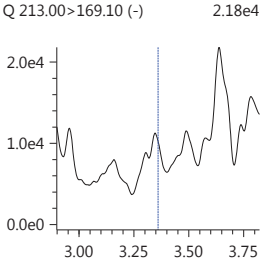
RT 3.360 Area 1741690
Q 216.90>172.15 (-) 4.66e5
After-BLC



PFBA
Conc ----
RT ---- Area ----
Q 213.00>169.10 (-) 2.18e4



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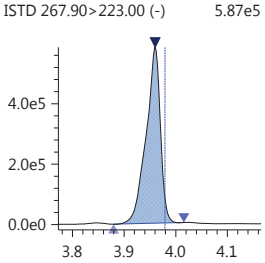
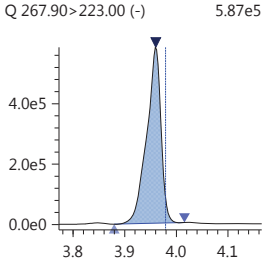
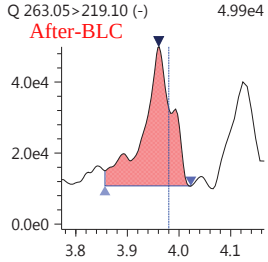
Conc 5.0000
RT 3.960 Area 1120579
ISTD 267.90>223.00 (-) 5.87e5



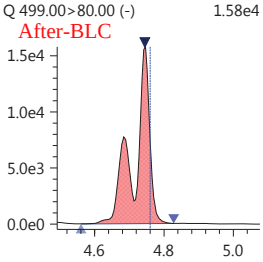
PFPeA-13C
Conc 2.3583
RT 3.960 Area 1120579
Q 267.90>223.00 (-) 5.87e5



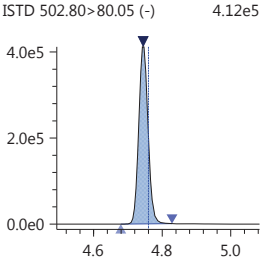
PFPeA
Conc 0.1457
RT 3.961 Area 149650
Q 263.05>219.10 (-) 4.99e4
After-BLC



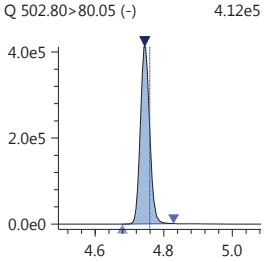
PFOS_1
Conc 0.4142
RT 4.745 Area 48807
Q 499.00>80.00 (-) 1.58e4
After-BLC



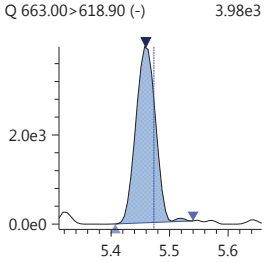
PFOS-13C_IS
Conc 5.0000
RT 4.745 Area 780409
ISTD 502.80>80.05 (-) 4.12e5



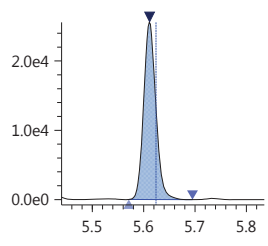
PFOS-13C
Conc 4.5464
RT 4.745 Area 780409
Q 502.80>80.05 (-) 4.12e5



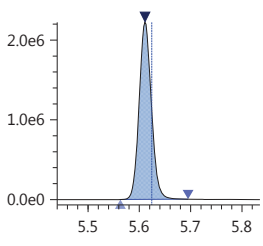
PFTrDA
Conc 0.0071
RT 5.460 Area 9304
Q 663.00>618.90 (-) 3.98e3



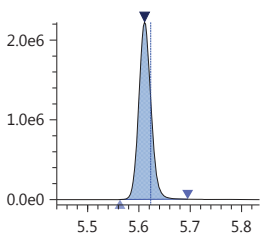
PFTeDA
Conc 0.0235
RT 5.611 Area 42412
Q 713.40>669.00 (-) 2.56e4



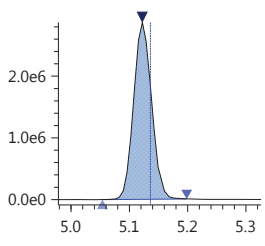
PFTeDA-13C
Conc 3.1362
RT 5.611 Area 3699695
Q 714.70>669.90 (-) 2.22e6



PFTeDA-13C_IS
Conc 5.0000
RT 5.611 Area 3699695
ISTD 714.70>669.90 (-) 2.22e6



13C7-PFUnDA_IS
Conc 5.0000
RT 5.122 Area 6162032
ISTD 570.00>525.00 (-) 2.87e6



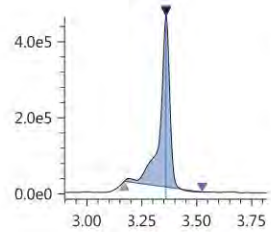
Insight Report

Printed at 7/9/2019 12:50:23 PM

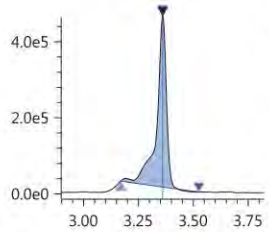
190702_052

Sample ID: R1905417-003
Date acquired: 7/2/2019 8:14:45 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190702_b3\190702_052.lcd
Vial: 19 | Inj. Volume: 15.0000uL | Tray: 2

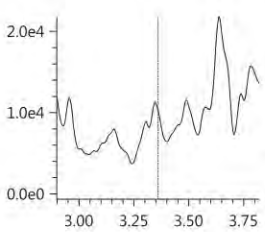
PFBA-13C_IS
Conc 5.0000
RT 3.360 Area 1388502
ISTD 216.90>172.15 (-) 4.66e5



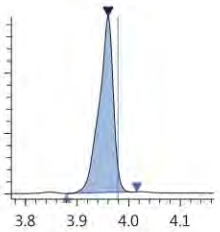
PFBA-13C
Conc 1.7335
RT 3.360 Area 1388502
Q 216.90>172.15 (-) 4.66e5



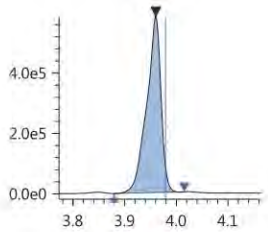
PFBA
Conc ----
RT ---- Area ----
Q 213.00>169.10 (-) 2.18e4



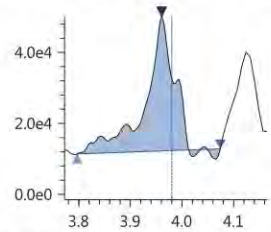
PFPeA-13C_IS
Conc 5.0000
RT 3.960 Area 1120579
ISTD 267.90>223.00 (-) 5.87e5



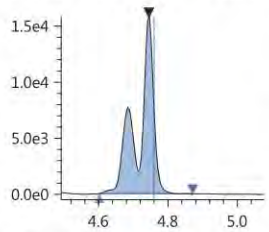
PFPeA-13C
Conc 2.3583
RT 3.960 Area 1120579
Q 267.90>223.00 (-) 5.87e5



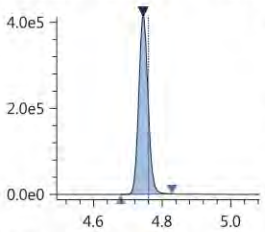
PFPeA
Conc 0.1316
RT 3.961 Area 141915
Q 263.05>219.10 (-) 4.99e4



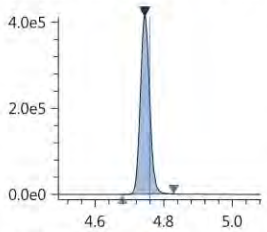
PFOS_1
Conc 0.4115
RT 4.745 Area 48486
Q 499.00>80.00 (-) 1.58e4



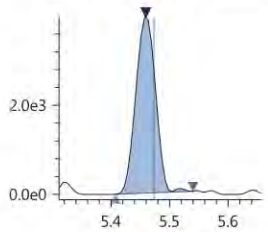
PFOS-13C_IS
Conc 5.0000
RT 4.745 Area 780409
ISTD 502.80>80.05 (-) 4.12e5



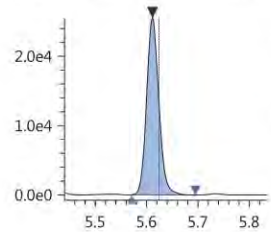
PFOS-13C
Conc 4.5464
RT 4.745 Area 780409
Q 502.80>80.05 (-) 4.12e5



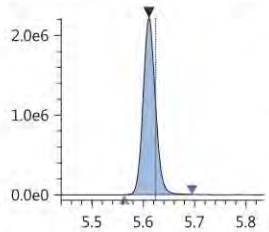
PFTrDA
Conc 0.0071
RT 5.460 Area 9304
Q 663.00>618.90 (-) 3.98e3



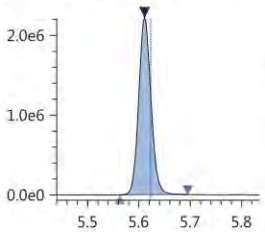
PFTeDA
Conc 0.0235
RT 5.611 Area 42412
Q 713.40>669.00 (-) 2.56e4



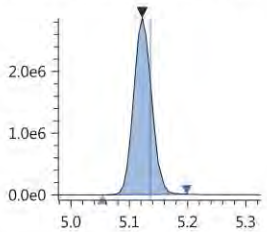
PFTeDA-13C
Conc 3.1362
RT 5.611 Area 3699695
Q 714.70>669.90 (-) 2.22e6



PFTeDA-13C_IS
Conc 5.0000
RT 5.611 Area 3699695
ISTD 714.70>669.90 (-) 2.22e6



13C7-PFUnDA_IS
Conc 5.0000
RT 5.122 Area 6162032
ISTD 570.00>525.00 (-) 2.87e6



1st CM 06/21/19
2nd 06/24/19

Validation Report

Data File: J:\LCMS06\Data\190620_b2\190620_047
Lab ID: R1905417-011
RunType: N/A
Matrix: Water

Date Acquired: 6/20/19 21:22
Batch ID: 640215
Analysis Method: PFC/537M/PFOA

Validations

Validation Categories	Pass	Fail
Preparation Hold Time	X	
Analytical Hold Time	X	
ICAL Analyte Recovery	X	
Second Source ICAL Verification	X	
Continuing Calibration Recovery		X
Lab Control Sample Recovery	X	
Duplicate Lab Control Sample Recovery	X	
Method Blank	X	
Method Blank Surrogates	X	
Internal Standards	X	
Surrogates	X	
Std MRL Unsupported by ICAL	X	
Above Highest ICAL Level	X	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Continuing Calibration Recovery	13C2-6:2 FTS	141	70	130	native ok
	D3-MeFOSAA	157	70	130	native ok
	13C8-FOSA	66	70	130	native ok
	13C2-8:2 FTS	169	70	130	native ok
	D5-EtFOSAA	146	70	130	native ok

Primary Review: _____

Secondary Review: _____

1st CM 06/21/19
2nd 06/24/19

Quantitation Report

Data File:	J:\LCMS06\Data\190620_b2\190620_047	**Instrument:**	K-LCMS-06
Acqu Date:	6/20/19 21:22	**Vial:**	16
Run Type:	N/A	**Dilution:**	1
Lab ID:	R1905417-011	**Raw Units:**	ng/mL

Bottle ID:	R1905417-011.06	**Tier:**	IV	**Matrix:**	Water
Prod Code:	PFOA	**Collect Date:**	6/10/19	**Receive Date:**	6/12/19

Analysis Lot:	640215	**Prep Lot:**	338877	**Report Group:**	R1905417
Analysis	PFC/537M	**Prep Method:**	EPA 3535A		
		Prep Date:	6/18/19		

Title:	Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS	**Calibration ID:**	KC1900234
		Report List ID:	19884

Internal Standard Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	Area Criteria
13C7-PFUnDA	5.138	0.00	6733490	5.0000	OK

Surrogate Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	% Rec	% Rec Criteria	Rpt?
13C3-PFBS	4.028	-0.01	958614	2.0393	41	20 - 109	Y
18O2-PFHxS	4.417	-0.01	679849	2.8125	56	26 - 122	Y
13C4-PFOS	4.759	0.00	983000	3.2397	65	25 - 121	Y
13C4-PFBA	3.403	-0.02	4121407	3.2063	64	27 - 124	Y
13C5-PFPeA	3.975	-0.01	1874990	2.4071	48	27 - 138	Y
13C2-PFHxA	4.232	-0.01	6706483	3.8194	76	28 - 132	Y
13C4-PFHpA	4.417	-0.01	5782396	3.3950	68	19 - 139	Y
13C4-PFOA	4.590	-0.01	8836082	4.2749	85	22 - 130	Y
13C5-PFNA	4.771	0.00	7047138	5.0769	102	20 - 127	Y
13C2-PFDA	4.956	0.00	5110844	3.9317	79	24 - 125	Y
13C2-PFUnDA	5.138	0.00	4605889	4.3122	86	22 - 125	Y
13C2-PFDoDA	5.312	0.00	5836741	3.8850	78	19 - 122	Y
13C2-PFTeDA	5.625	0.00	5568861	4.8661	97	13 - 124	Y
13C8-FOSA	5.257	+0.00	1705701	2.1419	43	18 - 109	Y
D3-MeFOSAA	5.056	0.00	759966	4.7215	94	9 - 123	Y
D5-EtFOSAA	5.154		531958	3.7528	75	12 - 126	Y
13C2-6:2 FTS	4.576	-0.01	1200226	7.0512	141	10 - 226	Y
13C2-8:2 FTS	4.950	0.00	561664	5.9394	119	10 - 202	Y

Target Compounds

Final Conc.Units: ng/L

Parameter Name	RT	RT Dev	Response	Solution Conc	Final Conc	Q	Rpt?
Perfluorobutane sulfonic acid (PFBS)	4.026	-0.01	5352	0.0238	0.66	J	Y
Perfluorohexane sulfonic acid (PFHxS)	4.417	0.00	3926	-0.0311	0	U	Y

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

1st CM 06/21/19

2nd 06/24/19

Data File:	J:\LCMS06\Data\190620_b2\190620_047	**Instrument:**	K-LCMS-06
Acqu Date:	6/20/19 21:22	**Vial:**	16
Run Type:	N/A	**Dilution:**	1
Lab ID:	R1905417-011	**Raw Units:**	ng/mL

Target Compounds

Final Conc.Units: ng/L

Parameter Name	RT	RT Dev	Response	Solution Conc	Final Conc	Q	Rpt?
Perfluoroheptane sulfonic acid (PFHpS)	4.582	-0.01	443	0.0020	0.055	U	Y
Perfluorooctane sulfonic acid (PFOS)	4.757	0.00	7535	0.0459	1.3	J	Y
Perfluorodecane sulfonic acid (PFDS)	0		0	0	0	U	Y
Perfluorobutanoic acid (PFBA)	3.405	-0.02	146698	0.1743	4.8		Y
Perfluoropentanoic acid (PFPeA)	3.975	-0.01	158591	0.0543	1.5	U	Y
Perfluorohexanoic acid (PFHxA)	4.228	-0.01	99058	0.0382	1.1	U	Y
Perfluoroheptanoic acid (PFHpA)	4.414	-0.01	77362	0.0550	1.5	J	Y
Perfluorooctanoic acid (PFOA)	4.589	-0.01	148196	0.0733	2.0		Y
Perfluorononanoic acid (PFNA)	4.766	-0.01	42491	0.0120	0.33	U	Y
Perfluorodecanoic acid (PFDA)	4.951	-0.01	17334	0.0167	0.46	U	Y
Perfluoroundecanoic acid (PFUnDA)	5.137	0.00	16610	-0.0121	0	U	Y
Perfluorododecanoic acid (PFDoDA)	5.308	-0.01	10082	-0.0005	0	U	Y
Perfluorotridecanoic acid (PFTrDA)	5.473	-0.01	7086	-0.0018	0	U	Y
Perfluorotetradecanoic acid (PFTeDA)	5.625	0.00	51818	-0.0106	0	U	Y
Perfluorooctane sulfonamide (FOSA)	5.261	+0.01	1940	0.0044	0.12	U	Y
N-Methyl perfluorooctane sulfonamidoacetic acid	5.056	0.00	418	0.0041	0.11	U	Y
N-Ethyl perfluorooctane sulfonamidoacetic acid	0		0	0	0	U	Y
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	4.570	-0.01	1398	0.0047	0.13	U	Y
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	4.944	-0.01	168	0.0020	0.055	U	Y

Prep Amount:	290.0000 mL	**Dilution:**	1
Prep Final Amount:	8.00 mL	**Basis Factor:**	100.00

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Insight Report

Printed at 6/21/2019 1:50:21 PM

190620_047

Sample ID: R1905417-011
Date acquired: 6/20/2019 9:22:05 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190620_b2\190620_047.lcd
Vial: 34 | Inj. Volume: 15.0000uL | Tray: 5

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
PFBA-13C_IS	Auto	3.403	4121407	4121407	2	5.0000	ng/mL	----
PFBA-13C	Auto	3.403	4121407	6733490	26	3.2063	ng/mL	----
PFBA	Auto	3.405	146698	4121407	2	0.1743	ng/mL	----
PFPeA-13C_IS	Auto	3.975	1874990	1874990	4	5.0000	ng/mL	----
PFPeA-13C	Auto	3.975	1874990	6733490	26	2.4071	ng/mL	----
PFPeA	M	3.975	158591	1874990	4	0.0543	ng/mL	----
PFBS_1	M	4.026	5352	958614	16	0.0238	ng/mL	----
PFBS-13C	Auto	4.028	958614	6733490	26	2.0393	ng/mL	----
PFBS-13C_IS	Auto	4.028	958614	958614	16	5.0000	ng/mL	----
PFHxA-13C_IS	Auto	4.232	6706483	6706483	6	5.0000	ng/mL	----
PFHxA-13C	Auto	4.232	6706483	6733490	26	3.8194	ng/mL	----
PFHxA	Auto	4.228	99058	6706483	6	0.0382	ng/mL	----
PFHpA	M	4.414	77362	5782396	8	0.0550	ng/mL	----
PFHpA-13C_IS	Auto	4.417	5782396	5782396	8	5.0000	ng/mL	----
PFHpA-13C	Auto	4.417	5782396	6733490	26	3.3950	ng/mL	----
PFHxS-18O_IS	Auto	4.417	679849	679849	7	5.0000	ng/mL	----
PFHxS-18O	Auto	4.417	679849	6733490	26	2.8125	ng/mL	----
PFHxS_1	M	4.417	3926	679849	7	-0.0311	ng/mL	----
6_2-FTS-13C	Auto	4.576	1200226	6733490	26	7.0512	ng/mL	----
6_2-FTS-13C_IS	Auto	4.576	1200226	1200226	10	5.0000	ng/mL	----
6_2-FTS_1	Auto	4.570	1398	1200226	10	0.0047	ng/mL	----
PFHpS_1	M	4.582	443	679849	7	0.0020	ng/mL	----
PFOA-13C_IS	Auto	4.590	8836082	8836082	9	5.0000	ng/mL	----
PFOA-13C	Auto	4.590	8836082	6733490	26	4.2749	ng/mL	----
PFOA	Auto	4.589	148196	8836082	9	0.0733	ng/mL	----
PFOS_1	M	4.757	7535	983000	13	0.0459	ng/mL	----
PFOS-13C_IS	Auto	4.759	983000	983000	13	5.0000	ng/mL	----
PFOS-13C	Auto	4.759	983000	6733490	26	3.2397	ng/mL	----
PFNA-13C_IS	Auto	4.771	7047138	7047138	11	5.0000	ng/mL	----
PFNA-13C	Auto	4.771	7047138	6733490	26	5.0769	ng/mL	----
PFNA	M	4.766	42491	7047138	11	0.0120	ng/mL	----
PFDA-13C_IS	Auto	4.956	5110844	5110844	12	5.0000	ng/mL	----
PFDA-13C	Auto	4.956	5110844	6733490	26	3.9317	ng/mL	----
PFDA	Auto	4.951	17334	5110844	12	0.0167	ng/mL	----
8_2-FTS-13C_IS	Auto	4.950	561664	561664	15	5.0000	ng/mL	----
8_2-FTS-13C	Auto	4.950	561664	6733490	26	5.9394	ng/mL	----
8_2-FTS_1	M	4.944	168	561664	15	0.0020	ng/mL	----
PFDS_1	ND(W/B)	----	----	983000	13	----	ng/mL	----
PFUnA	M	5.137	16610	4605889	14	-0.0121	ng/mL	----
PFUnA-13C_IS	Auto	5.138	4605889	4605889	14	5.0000	ng/mL	----
PFUnA-13C	Auto	5.138	4605889	6733490	26	4.3122	ng/mL	----
PFDoA	Auto	5.308	10082	5836741	17	-0.0005	ng/mL	----
PFDoA-13C	Auto	5.312	5836741	6733490	26	3.8850	ng/mL	----
PFDoA-13C_IS	Auto	5.312	5836741	5836741	17	5.0000	ng/mL	----
PFTrDA	Auto	5.473	7086	5568861	22	-0.0018	ng/mL	----
PFTeDA	Auto	5.625	51818	5568861	22	-0.0106	ng/mL	----
PFTeDA-13C	Auto	5.625	5568861	6733490	26	4.8661	ng/mL	----
PFTeDA-13C_IS	Auto	5.625	5568861	5568861	22	5.0000	ng/mL	----
FOSA-13C_IS	Auto	5.257	1705701	1705701	18	5.0000	ng/mL	----
FOSA-13C	Auto	5.257	1705701	6733490	26	2.1419	ng/mL	----
FOSA	M	5.261	1940	1705701	18	0.0044	ng/mL	----
N-MeFOSAA	M	5.056	418	759966	19	0.0041	ng/mL	----
N-MeFOSAA-d3	Auto	5.056	759966	6733490	26	4.7215	ng/mL	----
N-MeFOSAA-d3_IS	Auto	5.056	759966	759966	19	5.0000	ng/mL	----
N-MeFOSA-d3_IS	Auto	5.638	626686	626686	1	5.0000	ng/mL	----
N-MeFOSA-d3	Auto	5.638	626686	6733490	26	2.6029	ng/mL	----
N-MeFOSA	M	5.640	1884	626686	1	0.0088	ng/mL	----
N-MeFOSE-d7	Auto	5.608	863220	6733490	26	2.4903	ng/mL	----
N-MeFOSE-d7_IS	Auto	5.608	863220	863220	20	5.0000	ng/mL	----
N-MeFOSE	M	5.606	390	863220	20	0.0019	ng/mL	----
N-EtFOSAA	ND(W/B)	----	----	531958	21	----	ng/mL	----
N-EtFOSAA-d5_IS	Auto	5.154	531958	531958	21	5.0000	ng/mL	----
N-EtFOSAA-d5	Auto	5.154	531958	6733490	26	3.7528	ng/mL	----
N-EtFOSA-d9_IS	Auto	5.774	905578	905578	23	5.0000	ng/mL	----
N-EtFOSA-d9	Auto	5.774	905578	6733490	26	2.5362	ng/mL	----
N-EtFOSA	M	5.780	181	905578	23	0.0049	ng/mL	----
N-EtFOSE-d9_IS	Auto	5.736	747338	747338	24	5.0000	ng/mL	----
N-EtFOSE-d9	Auto	5.736	747338	6733490	26	2.6326	ng/mL	----

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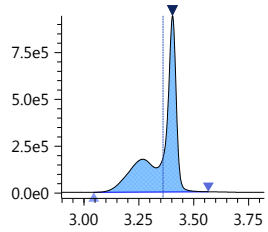
(Table continued from previous page)

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
N-EtFOSE	ND(W/B)	----	----	747338	24	----	ng/mL	----
13C7-PFUnDA_IS	Auto	5.138	6733490	6733490	26	5.0000	ng/mL	----

PFBA-13C_IS
Conc 5.0000
RT 3.403 Area 4121407
ISTD 216.90>172.15 (-) 9.46e5



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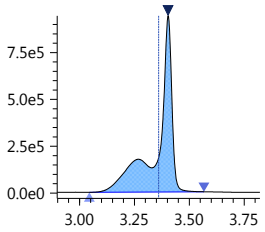
Conc 3.2063
RT 3.403 Area 4121407
Q 216.90>172.15 (-) 9.46e5



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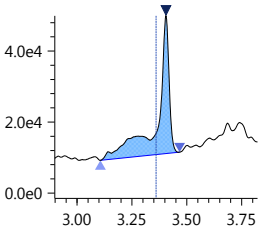
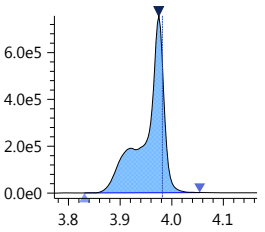
Conc 0.1743
RT 3.405 Area 146698
Q 213.00>169.10 (-) 4.99e4



PFPeA-13C_IS
Conc 5.0000
RT 3.975 Area 1874990
ISTD 267.90>223.00 (-) 7.57e5



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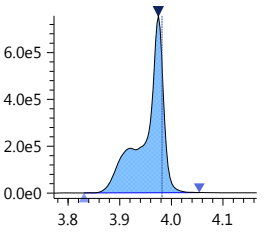
Conc 2.4071
RT 3.975 Area 1874990
Q 267.90>223.00 (-) 7.57e5



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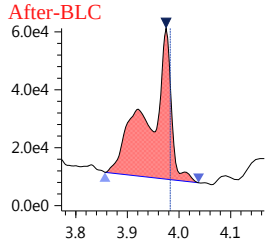
Conc 0.0543
RT 3.975 Area 158591
Q 263.05>219.10 (-) 6.12e4



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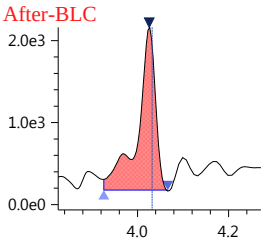
Conc 0.0238
RT 4.026 Area 5352
Q 299.00>80.00 (-) 2.16e3



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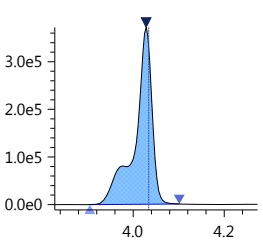
Conc 2.0393
RT 4.028 Area 958614
Q 301.80>80.00 (-) 3.72e5



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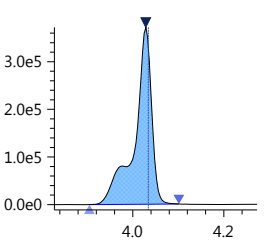
Conc 5.0000
RT 4.028 Area 958614
ISTD 301.80>80.00 (-) 3.72e5



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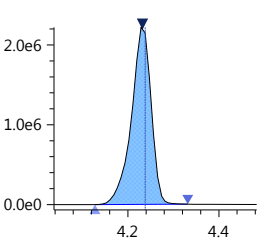
Conc 5.0000
RT 4.232 Area 6706483
ISTD 314.90>270.10 (-) 2.22e6



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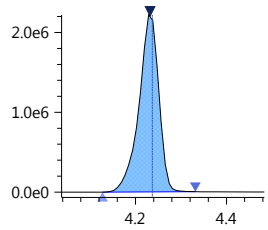

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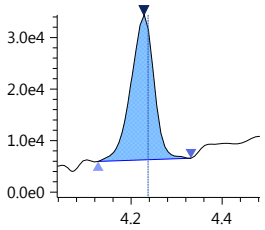
Conc 0.0382
RT 4.228 Area 99058
Q 313.00>269.00 (-) 3.44e4



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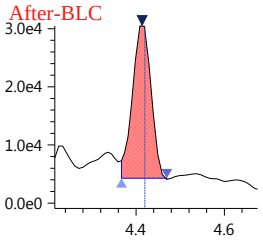
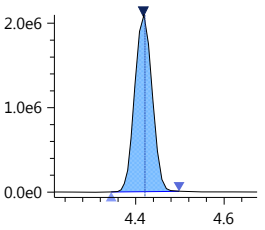
RT 4.414 Area 77362
Q 362.90>319.00 (-) 3.05e4



PFHpA-13C_IS
Conc 5.0000
RT 4.417 Area 5782396
ISTD 366.90>322.10 (-) 2.10e6



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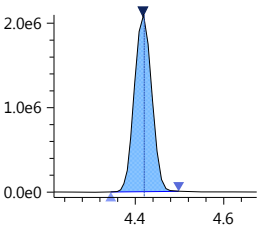
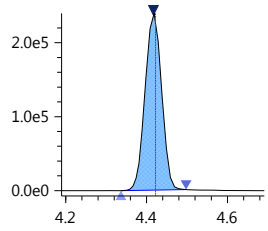
Conc 3.3950
RT 4.417 Area 5782396
Q 366.90>322.10 (-) 2.10e6



PFHxS-18O_IS
Conc 5.0000
RT 4.417 Area 679849
ISTD 402.70>84.05 (-) 2.40e5



PFHxS-18O
Conc 2.8125
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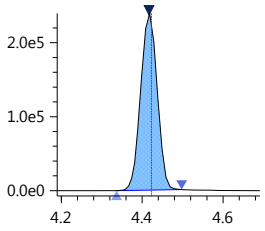
Q 402.70>84.05 (-) 2.40e5



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Conc -0.0311
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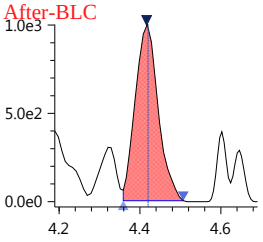
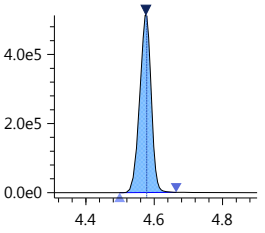
Q 399.00>80.00 (-) 1.00e3



6_2-FTS-13C
Conc 7.0512
RT 4.576 Area 1200226
Q 428.90>409.00 (-) 5.13e5



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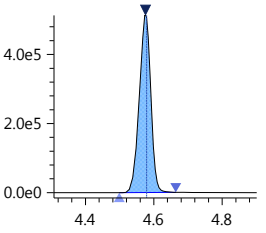
Conc 5.0000
RT 4.576 Area 1200226
ISTD 428.90>409.00 (-) 5.13e5



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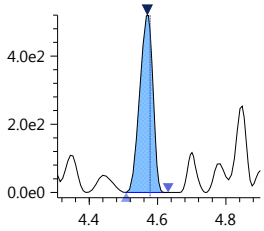
Conc 0.0047
RT 4.570 Area 1398
Q 427.00>407.00 (-) 5.20e2



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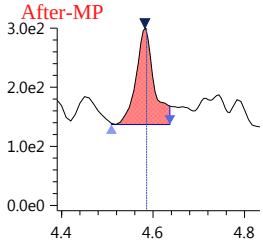
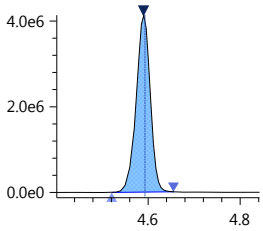
Conc 0.0020
RT 4.582 Area 443
Q 449.00>80.15 (-) 3.00e2



PFOA-13C_IS
Conc 5.0000
RT 4.590 Area 8836082
ISTD 416.80>372.05 (-) 4.14e6



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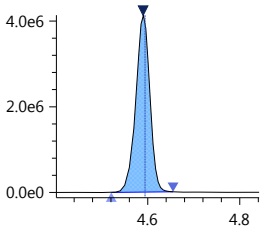
Q 416.80>372.05 (-) 4.14e6



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Conc 0.0733
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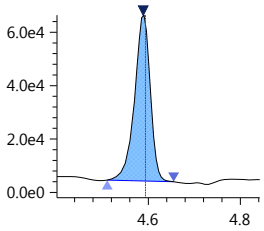
Q 413.00>369.00 (-) 6.64e4



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Conc 0.0459
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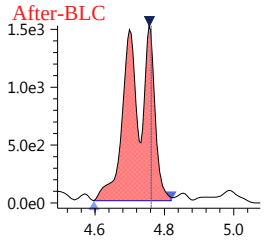
Q 499.00>80.00 (-) 1.53e3



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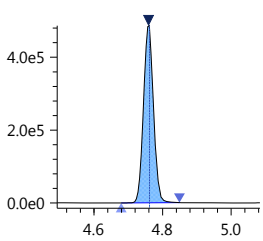

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Conc 3.2397
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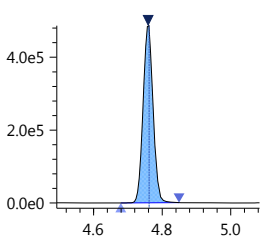
Q 502.80>80.05 (-) 4.87e5



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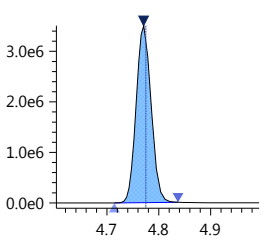
Conc 5.0000
RT 4.771 Area 7047138
ISTD 467.80>423.00 (-) 3.51e6



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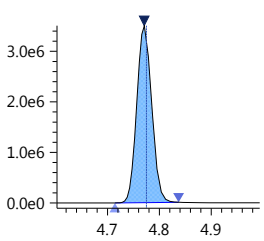

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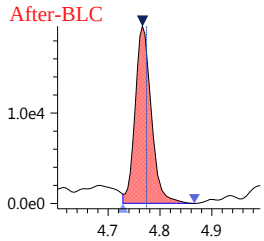

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Conc 5.0000
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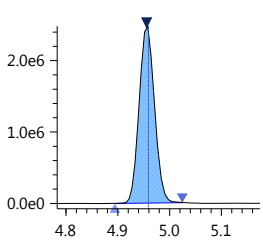
ISTD 514.80>469.95 (-) 2.48e6



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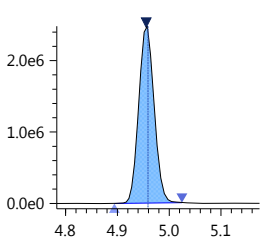

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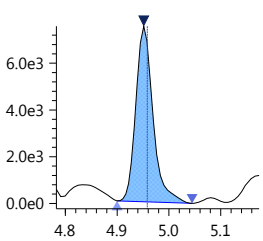
Conc 0.0167
RT 4.951 Area 17334
Q 513.00>468.80 (-) 7.59e3



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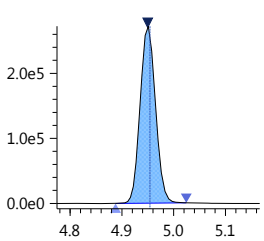
Conc 5.0000
RT 4.950 Area 561664
ISTD 528.80>509.00 (-) 2.72e5



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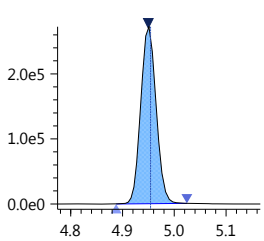
Conc 5.9394
RT 4.950 Area 561664
Q 528.80>509.00 (-) 2.72e5



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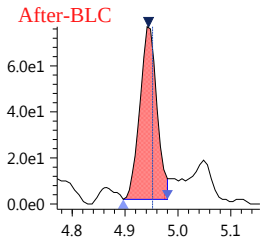
Conc 0.0020
RT 4.944 Area 168
Q 527.10>506.90 (-) 7.70e1



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Conc ----
RT ---- Area ----
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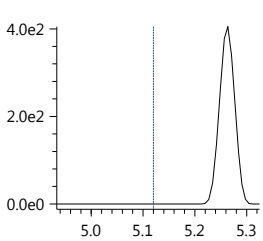

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Conc -0.0121
RT 5.137 Area 16610
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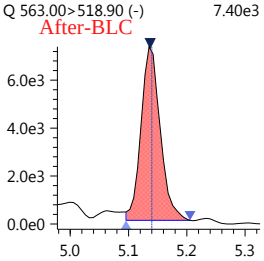

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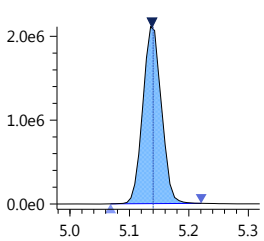

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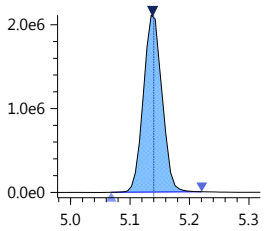

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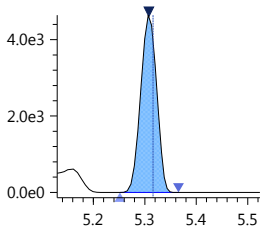

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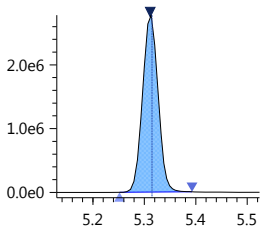
Q 614.80>569.95 (-) 2.78e6



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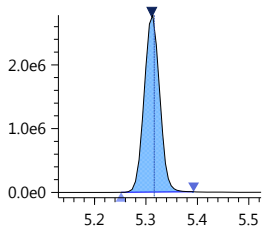

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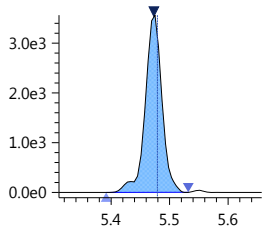

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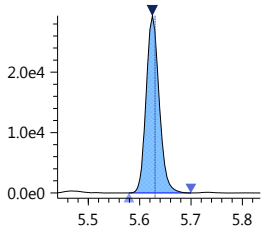

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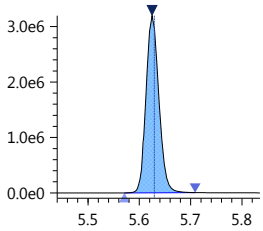

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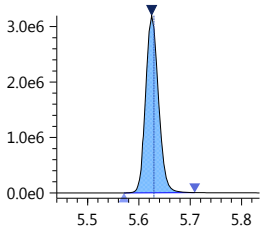

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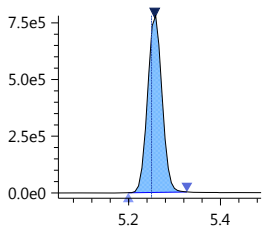

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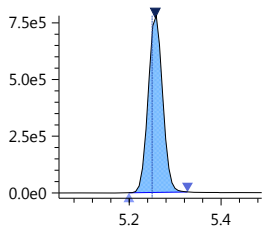

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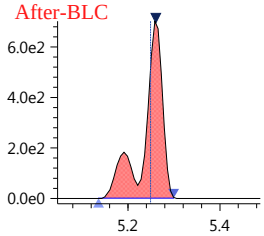

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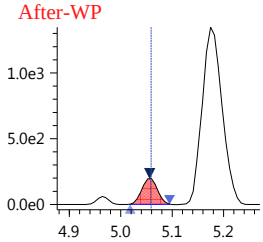

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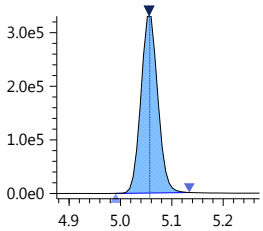
Q 572.80>419.05 (-) 3.31e5



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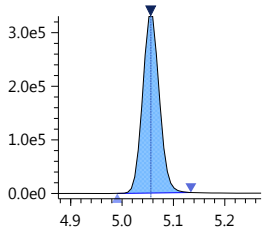
ISTD 572.80>419.05 (-) 3.31e5



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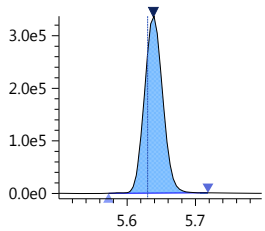
ISTD 514.90>168.90 (-) 3.37e5



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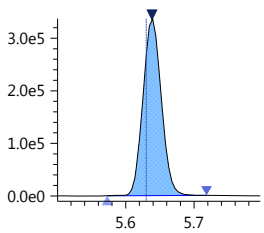

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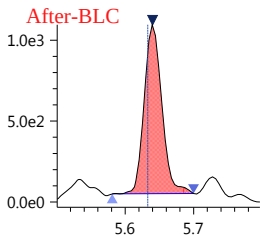

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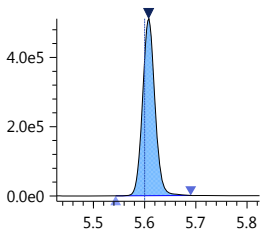
Q 622.70>59.10 (-) 5.12e5



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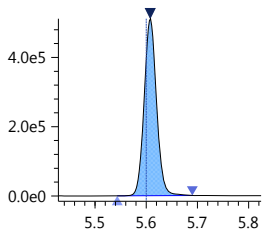

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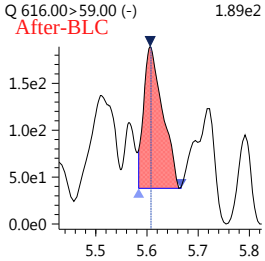

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Conc ----
RT ---- Area ----
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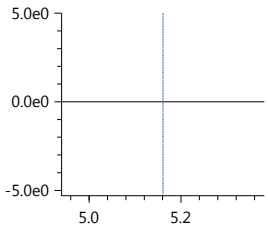

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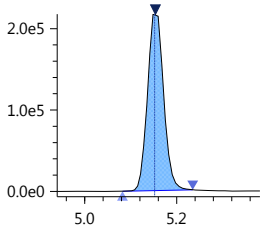

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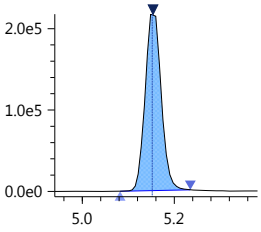

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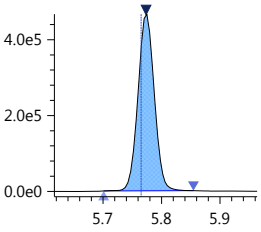

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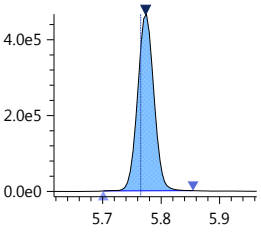

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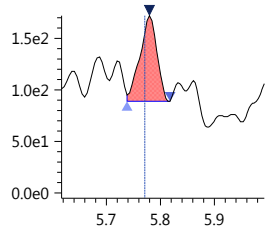

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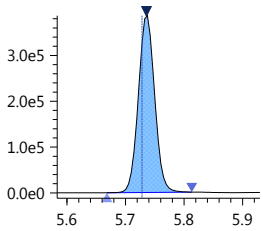

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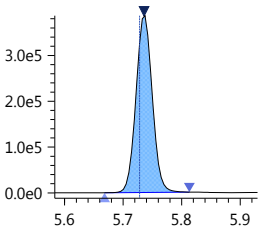
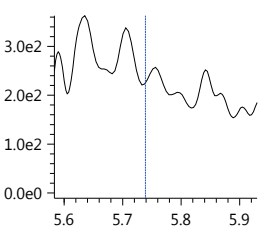


N-EtFOSE
Conc ----
RT ---- Area ----
Q 630.00>58.90 (-) 3.63e2



13C7-PFUnDA_IS
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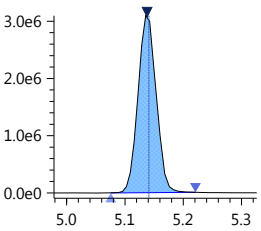

Insight Report

Printed at 6/21/2019 12:45:13 PM

190620_047

Sample ID: R1905417-011
Date acquired: 6/20/2019 9:22:05 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190620_b2\190620_047.lcd
Vial: 34 | Inj. Volume: 15.0000uL | Tray: 5

PFBA-13C_IS
Conc 5.0000
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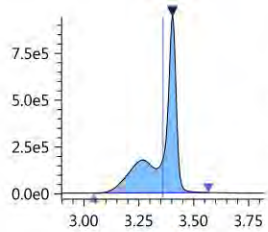
ISTD 216.90>172.15 (-) 9.46e5



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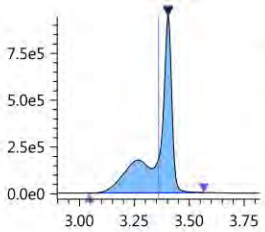

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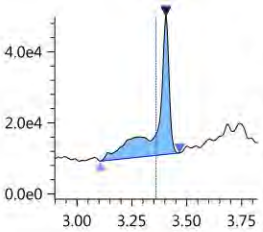

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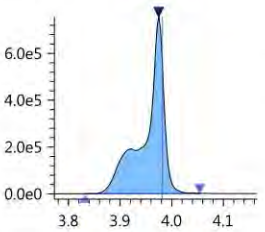

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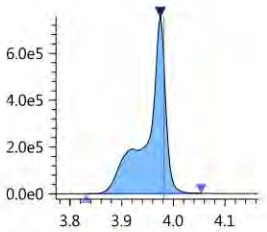

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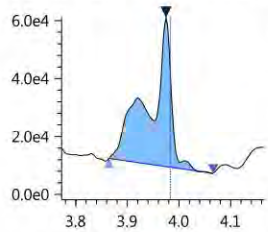

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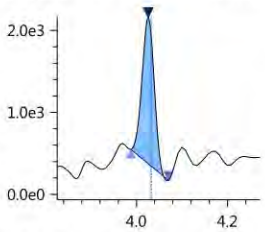
Q 299.00>80.00 (-) 2.16e3



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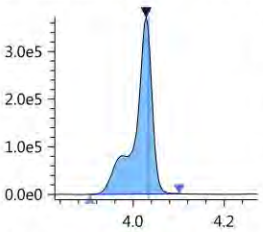
RT 4.028 Area 958614
Q 301.80>80.00 (-) 3.72e5



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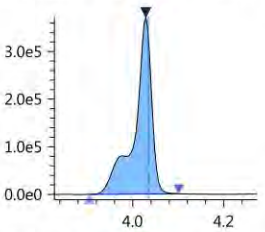

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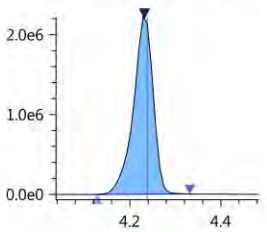

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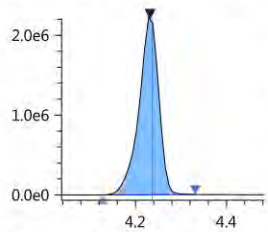
RT 4.232 Area 6706483
Q 314.90>270.10 (-) 2.22e6



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RT 4.228 Area 99058
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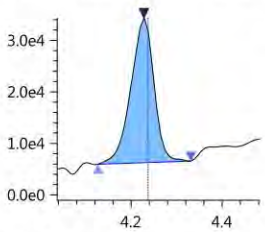

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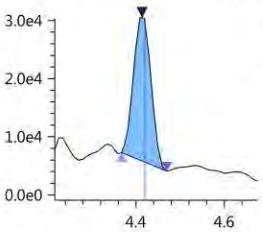
RT 4.414 Area 68746
Q 362.90>319.00 (-) 3.05e4



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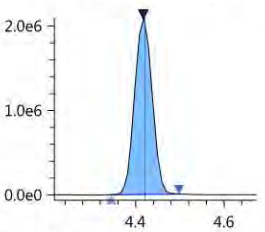
Conc 5.0000
RT 4.417 Area 5782396
ISTD 366.90>322.10 (-) 2.10e6



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Conc 3.3950
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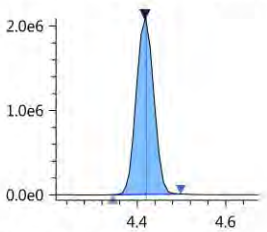
Q 366.90>322.10 (-) 2.10e6



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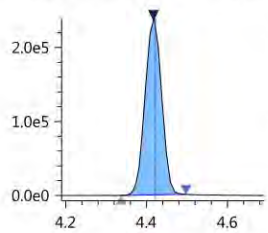
RT 4.417 Area 679849
ISTD 402.70>84.05 (-) 2.40e5



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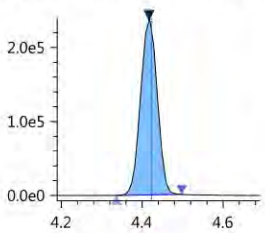
RT 4.417 Area 679849
Q 402.70>84.05 (-) 2.40e5



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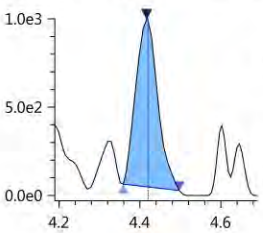

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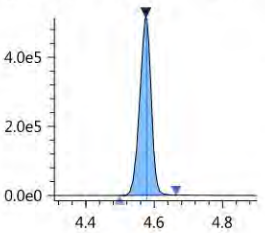
Conc 7.0512
RT 4.576 Area 1200226
Q 428.90>409.00 (-) 5.13e5



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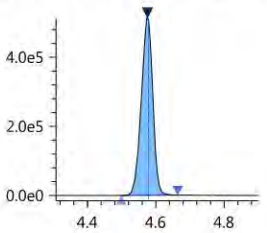

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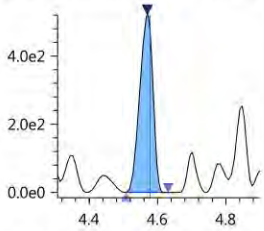
Q 427.00>407.00 (-) 5.20e2



PFHpS_1
Conc ----
RT ---- Area ----
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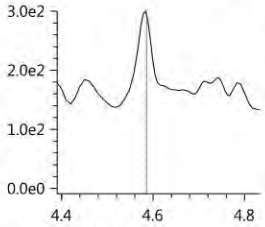

PFOA-13C_IS
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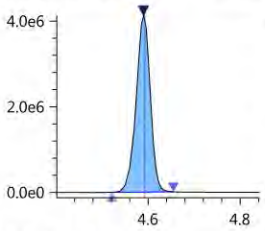
ISTD 416.80>372.05 (-) 4.14e6



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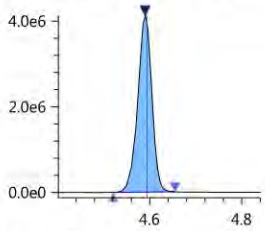

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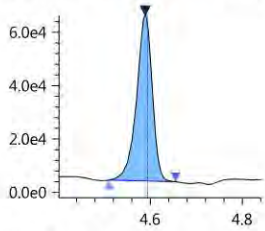

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Conc 0.0448
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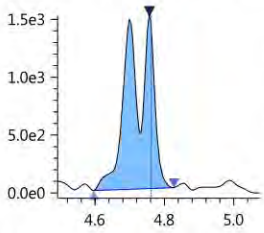
Q 499.00>80.00 (-) 1.53e3



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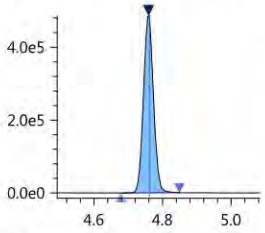
ISTD 502.80>80.05 (-) 4.87e5



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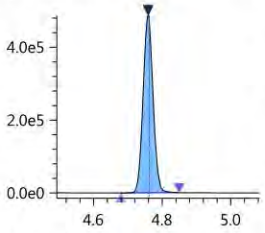

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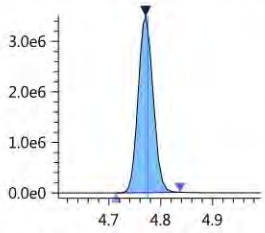
ISTD 467.80>423.00 (-) 3.51e6



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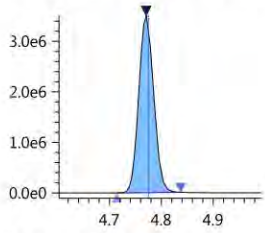

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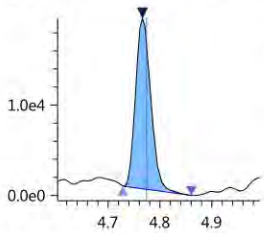

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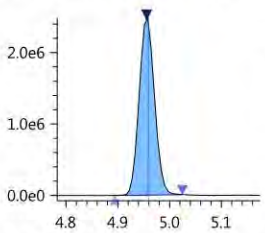

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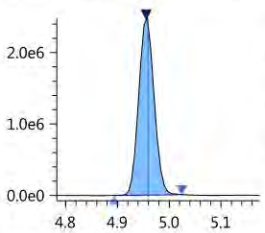

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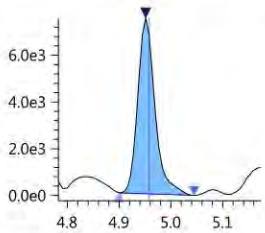

8_2-FTS-13C_IS
Conc 5.0000
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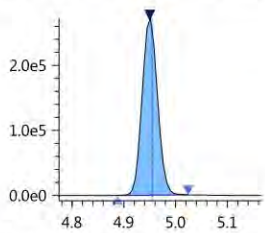
ISTD 528.80>509.00 (-) 2.72e5



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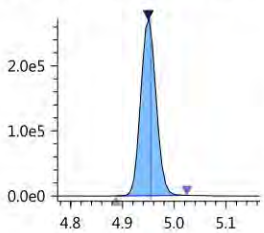
Q 528.80>509.00 (-) 2.72e5



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RT 4.944 Area 145
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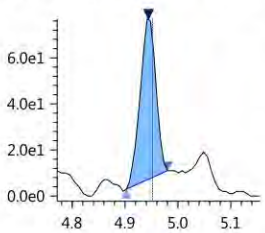

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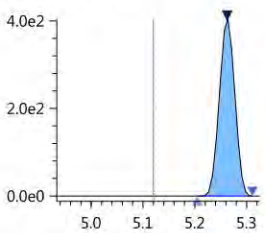
Q 599.00>79.90 (-) 4.05e2



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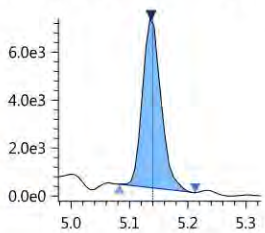

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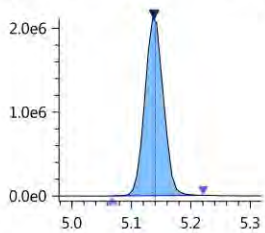
ISTD 564.80>519.95 (-) 2.11e6



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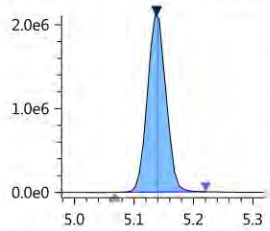
Q 564.80>519.95 (-) 2.11e6



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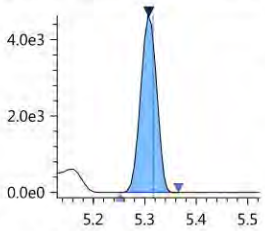
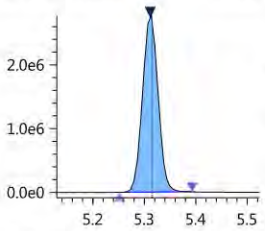
RT 5.308 Area 10082
Q 613.05>569.00 (-) 4.64e3



PFDoA-13C
Conc 3.8850
RT 5.312 Area 5836741
Q 614.80>569.95 (-) 2.78e6



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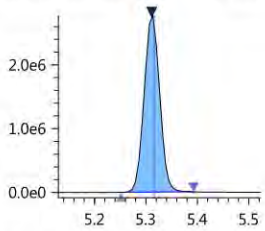
ISTD 614.80>569.95 (-) 2.78e6



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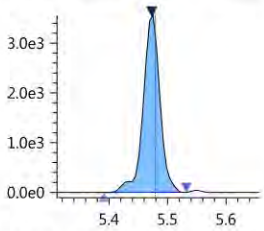

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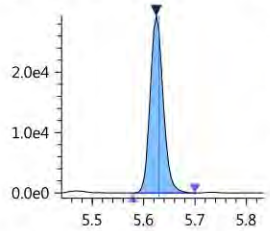

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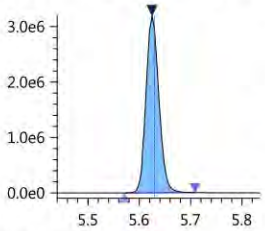
Q 714.70>669.90 (-) 3.20e6



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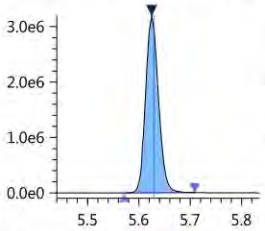

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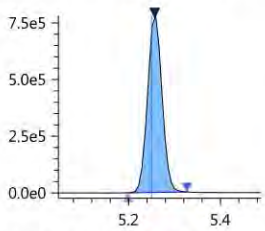
RT 5.257 Area 1705701
ISTD 506.00>78.05 (-) 7.82e5



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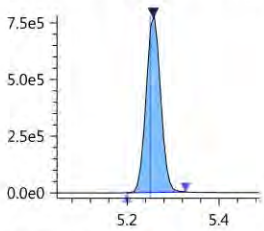
Q 506.00>78.05 (-) 7.82e5



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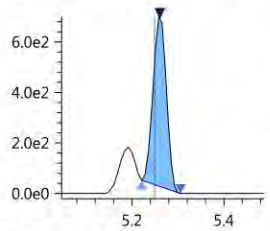

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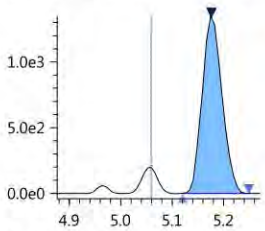
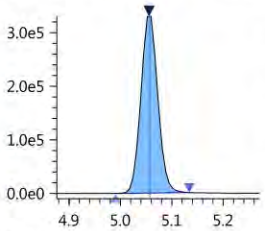
Conc 0.0361
RT 5.176 Area 3641
Q 570.20>419.00 (-) 1.35e3



N-MeFOSAA-d3
Conc 4.7215
RT 5.056 Area 759966
Q 572.80>419.05 (-) 3.31e5



N-MeFOSAA-d3_IS
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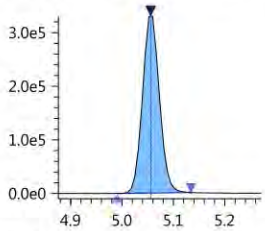
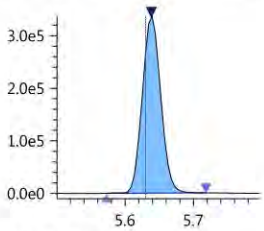
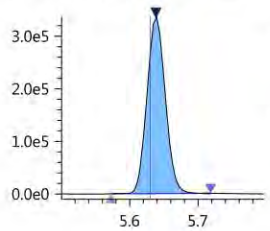
RT 5.056 Area 759966
ISTD 572.80>419.05 (-) 3.31e5



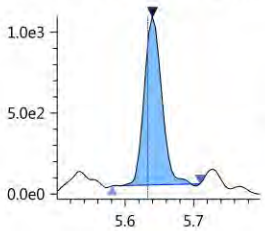
N-MeFOSA-d3_IS
Conc 5.0000
RT 5.638 Area 626686
ISTD 514.90>168.90 (-) 3.37e5



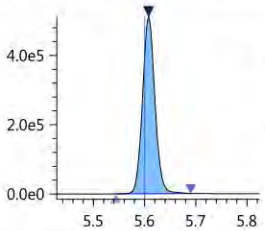
N-MeFOSA-d3
Conc 2.6029
RT 5.638 Area 626686
Q 514.90>168.90 (-) 3.37e5



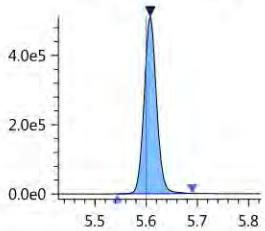
N-MeFOSA
Conc 0.0086
RT 5.640 Area 1847
Q 512.00>169.10 (-) 1.10e3



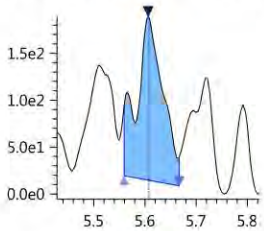
N-MeFOSE-d7
Conc 2.4903
RT 5.608 Area 863220
Q 622.70>59.10 (-) 5.12e5



N-MeFOSE-d7_IS
Conc 5.0000
RT 5.608 Area 863220
ISTD 622.70>59.10 (-) 5.12e5



N-MeFOSE
Conc 0.0030
RT 5.606 Area 626
Q 616.00>59.00 (-) 1.89e2



Insight Report

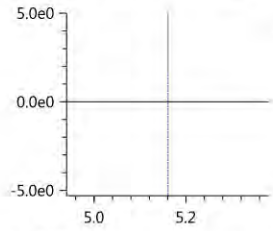
Printed at 6/21/2019 12:45:13 PM

N-EtFOSAA

Conc ----

RT ---- Area ----

Q 584.20>418.95 (-) 0.00e0

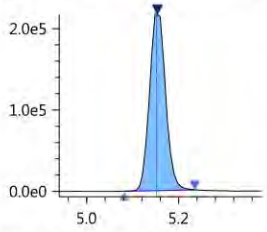


N-EtFOSAA-d5_IS

Conc 5.0000

RT 5.154 Area 531958

ISTD 588.80>419.00 (-) 2.18e5

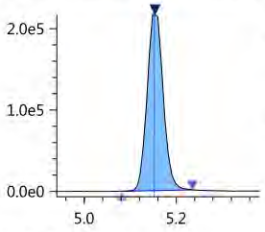


N-EtFOSAA-d5

Conc 3.7528

RT 5.154 Area 531958

Q 588.80>419.00 (-) 2.18e5

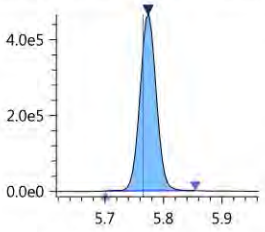


N-EtFOSA-d9_IS

Conc 5.0000

RT 5.774 Area 905578

ISTD 530.90>169.15 (-) 4.67e5

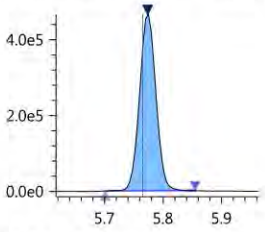


N-EtFOSA-d9

Conc 2.5362

RT 5.774 Area 905578

Q 530.90>169.15 (-) 4.67e5

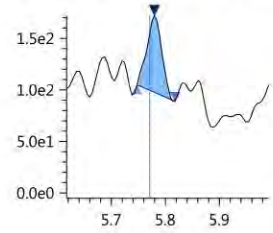


N-EtFOSA

Conc 0.0039

RT 5.780 Area 142

Q 526.90>169.10 (-) 1.72e2

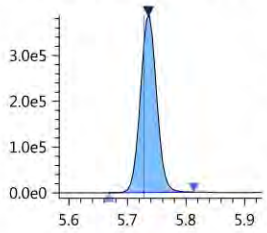


N-EtFOSE-d9_IS

Conc 5.0000

RT 5.736 Area 747338

ISTD 638.70>59.10 (-) 3.87e5

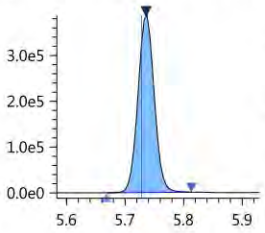


N-EtFOSE-d9

Conc 2.6326

RT 5.736 Area 747338

Q 638.70>59.10 (-) 3.87e5

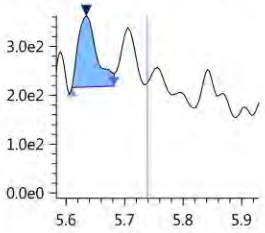


N-EtFOSE

Conc 0.0016

RT 5.634 Area 321

Q 630.00>58.90 (-) 3.63e2

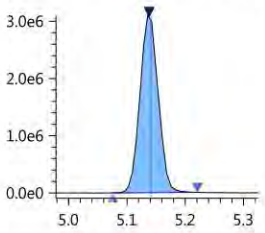


13C7-PFUnDA_IS

Conc 5.0000

RT 5.138 Area 6733490

ISTD 570.00>525.00 (-) 3.10e6



Validation Report

Data File: J:\LCMS06\Data\190620_b2\190620_048
Lab ID: R1905417-013
RunType: N/A
Matrix: Water

Date Acquired: 6/20/19 21:32
Batch ID: 640215
Analysis Method: PFC/537M/PFOA

Validations

Validation Categories	Pass	Fail
Preparation Hold Time	X	
Analytical Hold Time	X	
ICAL Analyte Recovery	X	
Second Source ICAL Verification	X	
Continuing Calibration Recovery		X
Lab Control Sample Recovery	X	
Duplicate Lab Control Sample Recovery	X	
Method Blank	X	
Method Blank Surrogates	X	
Internal Standards	X	
Surrogates		X
Std MRL Unsupported by ICAL	X	
Above Highest ICAL Level	X	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Continuing Calibration Recovery	13C2-6:2 FTS	141	70	130	native ok
	13C2-8:2 FTS	169	70	130	native ok
	D5-EtFOSAA	146	70	130	native ok
	13C8-FOSA	66	70	130	native ok
	D3-MeFOSAA	157	70	130	native ok
Surrogates	13C4-PFBA	22	27	124	RR to confirm
	13C5-PFPeA	23	27	138	RR to confirm
	13C2-6:2 FTS	367	10	226	High bias ND

Primary Review: _____

Secondary Review: _____

Quantitation Report

Data File:	J:\LCMS06\Data\190620_b2\190620_048	**Instrument:**	K-LCMS-06
Acqu Date:	6/20/19 21:32	**Vial:**	17
Run Type:	N/A	**Dilution:**	1
Lab ID:	R1905417-013	**Raw Units:**	ng/mL

Bottle ID:	R1905417-013.05	**Tier:**	IV	**Matrix:**	Water
Prod Code:	PFOA	**Collect Date:**	6/10/19	**Receive Date:**	6/12/19

Analysis Lot:	640215	**Prep Lot:**	338877	**Report Group:**	R1905417
Analysis	PFC/537M	**Prep Method:**	EPA 3535A		
		Prep Date:	6/18/19		

Title:	Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS	**Calibration ID:**	KC1900234
		Report List ID:	19884

Internal Standard Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	Area Criteria
13C7-PFUnDA	5.133	-0.01	5785251	5.0000	OK

Surrogate Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	% Rec		% Rec Criteria	Rpt?
13C3-PFBS	4.018	-0.02	811814	2.0101	40		20 - 109	Y
18O2-PFHxS	4.414	-0.01	572373	2.7559	55		26 - 122	Y
13C4-PFOS	4.753	-0.01	833052	3.1955	64		25 - 121	Y
13C4-PFBA	3.377	-0.04	1202018	1.0884	22	*	27 - 124	Y
13C5-PFPeA	3.965	-0.02	754872	1.1280	23	*	27 - 138	Y
13C2-PFHxA	4.221	-0.02	3944170	2.6144	52		28 - 132	Y
13C4-PFHpA	4.414	-0.01	3277535	2.2398	45		19 - 139	Y
13C4-PFOA	4.586	-0.01	7652782	4.3093	86		22 - 130	Y
13C5-PFNA	4.766	-0.01	5858706	4.9125	98		20 - 127	Y
13C2-PFDA	4.950	-0.01	4508262	4.0366	81		24 - 125	Y
13C2-PFUnDA	5.133	-0.01	4352658	4.7430	95		22 - 125	Y
13C2-PFDoDA	5.306	-0.01	4286560	3.3208	66		19 - 122	Y
13C2-PFTeDA	5.620	-0.01	4761052	4.8422	97		13 - 124	Y
13C8-FOSA	5.252	0.00	1563331	2.2849	46		18 - 109	Y
D3-MeFOSAA	5.050	-0.01	687457	4.9710	99		9 - 123	Y
D5-EtFOSAA	5.147	-0.01	537206	4.4110	88		12 - 126	Y
13C2-6:2 FTS	4.572	-0.01	2680916	18.3316	367	*	10 - 226	Y
13C2-8:2 FTS	4.944	-0.01	475926	5.8576	117		10 - 202	Y

Target Compounds

Final Conc.Units: ng/L

Parameter Name	RT	RT Dev	Response	Solution Conc	Final Conc	Q	Rpt?
Perfluorobutane sulfonic acid (PFBS)	4.011	-0.02	5314	0.0279	0.80	J	Y
Perfluorohexane sulfonic acid (PFHxS)	4.409	-0.01	19891	0.0827	2.4	J	Y

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\LCMS06\Data\190620_b2\190620_048	**Instrument:**	K-LCMS-06
Acqu Date:	6/20/19 21:32	**Vial:**	17
Run Type:	N/A	**Dilution:**	1
Lab ID:	R1905417-013	**Raw Units:**	ng/mL

Target Compounds

Final Conc.Units: ng/L

Parameter Name	RT	RT Dev	Response	Solution Conc	Final Conc	Q	Rpt?
Perfluoroheptane sulfonic acid (PFHpS)	4.577	-0.01	1885	0.0102	0.29	U	Y
Perfluorooctane sulfonic acid (PFOS)	4.753	-0.01	51397	0.3696	11		Y
Perfluorodecane sulfonic acid (PFDS)	0		0	0	0	U	Y
Perfluorobutanoic acid (PFBA)	0		0	0	0	U	Y
Perfluoropentanoic acid (PFPeA)	3.966	-0.02	96435	0.1438	4.1	J	Y
Perfluorohexanoic acid (PFHxA)	4.207	-0.03	138876	0.1286	3.7	U	Y
Perfluoroheptanoic acid (PFHpA)	4.394	-0.03	75755	0.1068	3.1	J	Y
Perfluorooctanoic acid (PFOA)	4.585	-0.01	180394	0.1108	3.2		Y
Perfluorononanoic acid (PFNA)	4.763	-0.01	18076	-0.0045	0	U	Y
Perfluorodecanoic acid (PFDA)	4.949	-0.01	14117	0.0154	0.44	U	Y
Perfluoroundecanoic acid (PFUnDA)	5.132	-0.01	15296	-0.0126	0	U	Y
Perfluorododecanoic acid (PFDoDA)	5.305	-0.01	6146	-0.0029	0	U	Y
Perfluorotridecanoic acid (PFTrDA)	5.468	-0.01	7595	-0.0001	0	U	Y
Perfluorotetradecanoic acid (PFTeDA)	5.620	-0.01	50046	0.0072	0.21	U	Y
Perfluorooctane sulfonamide (FOSA)	5.253	0.00	1684	0.0042	0.12	U	Y
N-Methyl perfluorooctane sulfonamidoacetic acid	5.050	-0.01	833	0.0091	0.26	U	Y
N-Ethyl perfluorooctane sulfonamidoacetic acid	0		0	0	0	U	Y
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	4.571	-0.01	5042	0.0076	0.22	U	Y
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	4.943	-0.01	122	0.0017	0.049	U	Y

Prep Amount:	280.0000 mL	**Dilution:**	1
Prep Final Amount:	8.00 mL	**Basis Factor:**	100.00

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Insight Report

Printed at 6/21/2019 1:50:21 PM

190620_048

Sample ID: R1905417-013
Date acquired: 6/20/2019 9:32:31 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190620_b2\190620_048.lcd
Vial: 35 | Inj. Volume: 15.0000uL | Tray: 5

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
PFBA-13C_IS	M	3.377	1201247	1201247	2	5.0000	ng/mL	----
PFBA-13C	M	3.377	1202018	5785251	26	1.0884	ng/mL	----
PFBA	ND(W/B)	----	----	1201247	2	----	ng/mL	----
PFPeA-13C_IS	M	3.965	754872	754872	4	5.0000	ng/mL	----
PFPeA-13C	M	3.965	754872	5785251	26	1.1280	ng/mL	----
PFPeA	M	3.966	96435	754872	4	0.1438	ng/mL	----
PFBS_1	M	4.011	5314	811814	16	0.0279	ng/mL	----
PFBS-13C	Auto	4.018	811814	5785251	26	2.0101	ng/mL	----
PFBS-13C_IS	Auto	4.018	811814	811814	16	5.0000	ng/mL	----
PFHxA-13C_IS	Auto	4.221	3944170	3944170	6	5.0000	ng/mL	----
PFHxA-13C	Auto	4.221	3944170	5785251	26	2.6144	ng/mL	----
PFHxA	M	4.207	138876	3944170	6	0.1286	ng/mL	----
PFHpA	Auto	4.394	75755	3277535	8	0.1068	ng/mL	----
PFHpA-13C_IS	Auto	4.414	3277535	3277535	8	5.0000	ng/mL	----
PFHpA-13C	Auto	4.414	3277535	5785251	26	2.2398	ng/mL	----
PFHxS-18O_IS	Auto	4.414	572373	572373	7	5.0000	ng/mL	----
PFHxS-18O	Auto	4.414	572373	5785251	26	2.7559	ng/mL	----
PFHxS_1	Auto	4.409	19891	572373	7	0.0827	ng/mL	----
6_2-FTS-13C	Auto	4.572	2680916	5785251	26	18.3316	ng/mL	----
6_2-FTS-13C_IS	Auto	4.572	2680916	2680916	10	5.0000	ng/mL	----
6_2-FTS_1	M	4.571	5042	2680916	10	0.0076	ng/mL	----
PFHpS_1	M	4.577	1885	572373	7	0.0102	ng/mL	----
PFOA-13C_IS	Auto	4.586	7652782	7652782	9	5.0000	ng/mL	----
PFOA-13C	Auto	4.586	7652782	5785251	26	4.3093	ng/mL	----
PFOA	M	4.585	180394	7652782	9	0.1108	ng/mL	----
PFOS_1	Auto	4.753	51397	833052	13	0.3696	ng/mL	----
PFOS-13C_IS	Auto	4.753	833052	833052	13	5.0000	ng/mL	----
PFOS-13C	Auto	4.753	833052	5785251	26	3.1955	ng/mL	----
PFNA-13C_IS	Auto	4.766	5858706	5858706	11	5.0000	ng/mL	----
PFNA-13C	Auto	4.766	5858706	5785251	26	4.9125	ng/mL	----
PFNA	Auto	4.763	18076	5858706	11	-0.0045	ng/mL	----
PFDA-13C_IS	Auto	4.950	4508262	4508262	12	5.0000	ng/mL	----
PFDA-13C	Auto	4.950	4508262	5785251	26	4.0366	ng/mL	----
PFDA	M	4.949	14117	4508262	12	0.0154	ng/mL	----
8_2-FTS-13C_IS	Auto	4.944	475926	475926	15	5.0000	ng/mL	----
8_2-FTS-13C	Auto	4.944	475926	5785251	26	5.8576	ng/mL	----
8_2-FTS_1	M	4.943	122	475926	15	0.0017	ng/mL	----
PFDS_1	ND(W/B)	----	----	833052	13	----	ng/mL	----
PFUnA	Auto	5.132	15296	4352658	14	-0.0126	ng/mL	----
PFUnA-13C_IS	Auto	5.133	4352658	4352658	14	5.0000	ng/mL	----
PFUnA-13C	Auto	5.133	4352658	5785251	26	4.7430	ng/mL	----
PFDoA	Auto	5.305	6146	4286560	17	-0.0029	ng/mL	----
PFDoA-13C	Auto	5.306	4286560	5785251	26	3.3208	ng/mL	----
PFDoA-13C_IS	Auto	5.306	4286560	4286560	17	5.0000	ng/mL	----
PFTrDA	Auto	5.468	7595	4761052	22	-0.0001	ng/mL	----
PFTeDA	Auto	5.620	50046	4761052	22	0.0072	ng/mL	----
PFTeDA-13C	Auto	5.620	4761052	5785251	26	4.8422	ng/mL	----
PFTeDA-13C_IS	Auto	5.620	4761052	4761052	22	5.0000	ng/mL	----
FOSA-13C_IS	Auto	5.252	1563331	1563331	18	5.0000	ng/mL	----
FOSA-13C	Auto	5.252	1563331	5785251	26	2.2849	ng/mL	----
FOSA	Auto	5.253	1684	1563331	18	0.0042	ng/mL	----
N-MeFOSAA	M	5.050	833	687457	19	0.0091	ng/mL	----
N-MeFOSAA-d3	Auto	5.050	687457	5785251	26	4.9710	ng/mL	----
N-MeFOSAA-d3_IS	Auto	5.050	687457	687457	19	5.0000	ng/mL	----
N-MeFOSA-d3_IS	Auto	5.633	561629	561629	1	5.0000	ng/mL	----
N-MeFOSA-d3	Auto	5.633	561629	5785251	26	2.7151	ng/mL	----
N-MeFOSA	M	5.633	1466	561629	1	0.0077	ng/mL	----
N-MeFOSE-d7	Auto	5.603	761167	5785251	26	2.5558	ng/mL	----
N-MeFOSE-d7_IS	Auto	5.603	761167	761167	20	5.0000	ng/mL	----
N-MeFOSE	Auto	5.606	437	761167	20	0.0024	ng/mL	----
N-EtFOSAA	ND(W/B)	----	----	537206	21	----	ng/mL	----
N-EtFOSAA-d5_IS	Auto	5.147	537206	537206	21	5.0000	ng/mL	----
N-EtFOSAA-d5	Auto	5.147	537206	5785251	26	4.4110	ng/mL	----
N-EtFOSA-d9_IS	Auto	5.768	822597	822597	23	5.0000	ng/mL	----
N-EtFOSA-d9	Auto	5.768	822597	5785251	26	2.6814	ng/mL	----
N-EtFOSA	M	5.775	268	822597	23	0.0081	ng/mL	----
N-EtFOSE-d9_IS	Auto	5.730	625651	625651	24	5.0000	ng/mL	----
N-EtFOSE-d9	Auto	5.730	625651	5785251	26	2.5651	ng/mL	----

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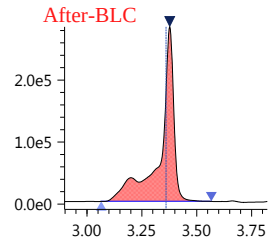
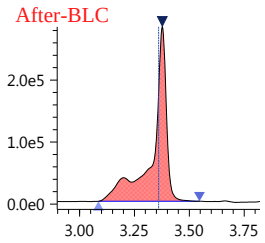
(Table continued from previous page)

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
N-EtFOSE	ND(W/B)	----	----	625651	24	----	ng/mL	----
13C7-PFUnDA_IS	Auto	5.133	5785251	5785251	26	5.0000	ng/mL	----

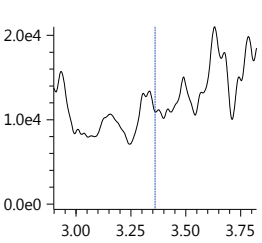
PFBA-13C_IS
Conc 5.0000
RT 3.377 Area 1201247
ISTD 216.90>172.15 (-) 2.86e5
After-BLC



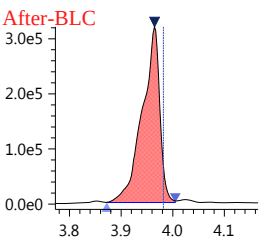
PFBA-13C
Conc 1.0884
RT 3.377 Area 1202018
Q 216.90>172.15 (-) 2.86e5
After-BLC



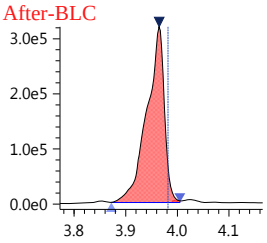
PFBA
Conc ----
RT ---- Area ----
Q 213.00>169.10 (-) 2.10e4



PFPeA-13C_IS
Conc 5.0000
RT 3.965 Area 754872
ISTD 267.90>223.00 (-) 3.22e5
After-BLC



PFPeA-13C
Conc 1.1280
RT 3.965 Area 754872
Q 267.90>223.00 (-) 3.22e5
After-BLC



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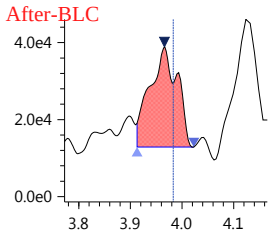
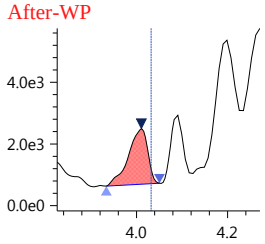
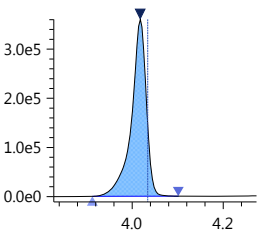
Conc 0.1438
RT 3.966 Area 96435
Q 263.05>219.10 (-) 4.60e4
After-BLC



PFBS_1
Conc 0.0279
RT 4.011 Area 5314
Q 299.00>80.00 (-) 5.75e3
After-WP



PFBS-13C
Conc 2.0101
RT 4.018 Area 811814
Q 301.80>80.00 (-) 3.61e5



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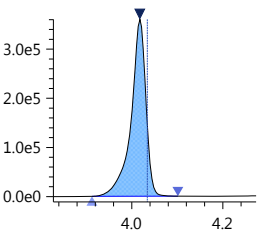
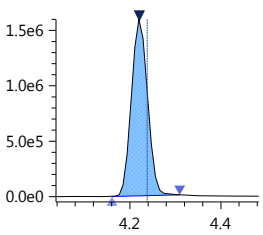
Conc 5.0000
RT 4.018 Area 811814
ISTD 301.80>80.00 (-) 3.61e5



PFHxA-13C_IS
Conc 5.0000
RT 4.221 Area 3944170
ISTD 314.90>270.10 (-) 1.60e6



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Conc 2.6144
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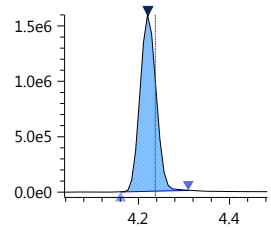
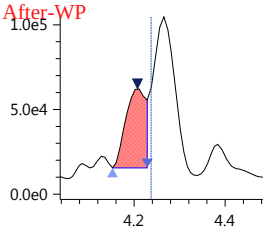
Q 314.90>270.10 (-) 1.60e6



PFHxA
Conc 0.1286
RT 4.207 Area 138876
Q 313.00>269.00 (-) 1.05e5
After-WP



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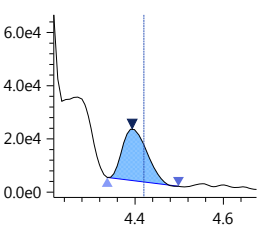
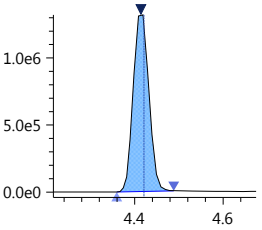
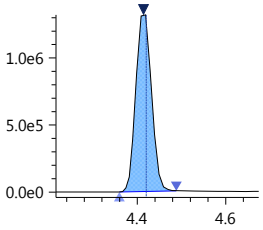
Conc 0.1068
RT 4.394 Area 75755
Q 362.90>319.00 (-) 6.66e4



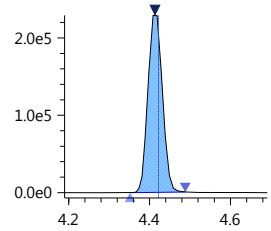
PFHpA-13C_IS
Conc 5.0000
RT 4.414 Area 3277535
ISTD 366.90>322.10 (-) 1.32e6



PFHpA-13C
Conc 2.2398
RT 4.414 Area 3277535
Q 366.90>322.10 (-) 1.32e6



PFHxS-18O_IS
Conc 5.0000
RT 4.414 Area 572373
ISTD 402.70>84.05 (-) 2.29e5



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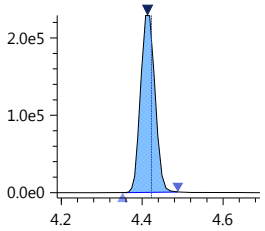
Conc 2.7559
RT 4.414 Area 572373
Q 402.70>84.05 (-) 2.29e5



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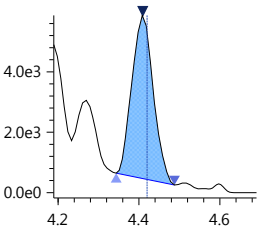
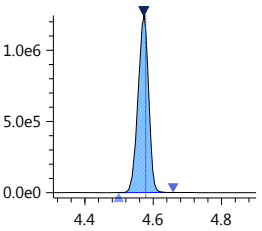
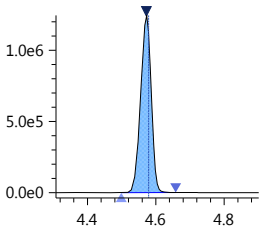
Conc 0.0827
RT 4.409 Area 19891
Q 399.00>80.00 (-) 5.87e3



6_2-FTS-13C
Conc 18.3316
RT 4.572 Area 2680916
Q 428.90>409.00 (-) 1.25e6



6_2-FTS-13C_IS
Conc 5.0000
RT 4.572 Area 2680916
ISTD 428.90>409.00 (-) 1.25e6



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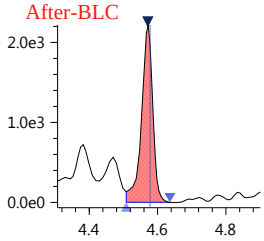
6_2-FTS_1
Conc 0.0076
RT 4.571 Area 5042
Q 427.00>407.00 (-) 2.22e3



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Conc 0.0102
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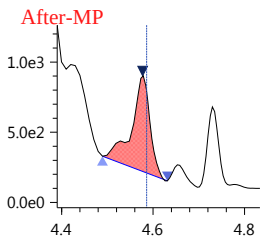
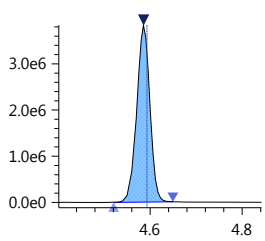
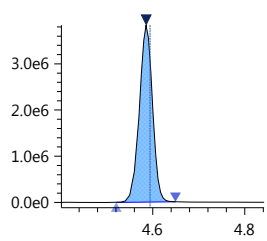


PFOA-13C_IS
Conc 5.0000
RT 4.586 Area 7652782
ISTD 416.80>372.05 (-) 3.84e6



PFOA-13C
Conc 4.3093
RT 4.586 Area 7652782
Q 416.80>372.05 (-) 3.84e6



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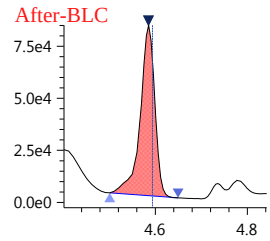
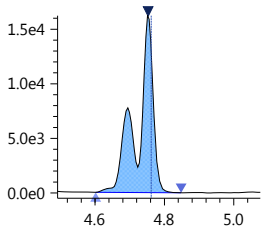
Conc 0.1108
RT 4.585 Area 180394
Q 413.00>369.00 (-) 8.51e4



PFOS_1
Conc 0.3696
RT 4.753 Area 51397
Q 499.00>80.00 (-) 1.62e4



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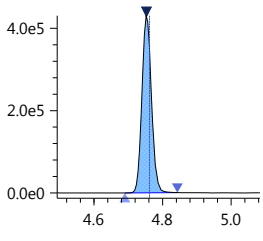
Conc 5.0000
RT 4.753 Area 833052
ISTD 502.80>80.05 (-) 4.31e5



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Conc 3.1955
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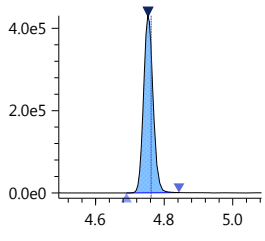
Q 502.80>80.05 (-) 4.31e5



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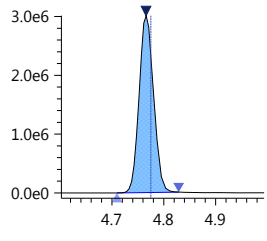
Conc 5.0000
RT 4.766 Area 5858706
ISTD 467.80>423.00 (-) 3.01e6



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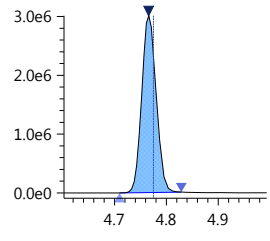

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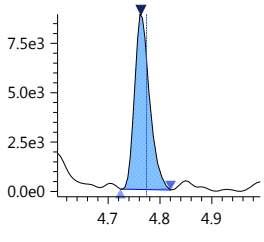
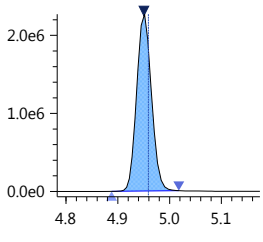
Conc -0.0045
RT 4.763 Area 18076
Q 463.00>418.90 (-) 8.98e3



PFDA-13C_IS
Conc 5.0000
RT 4.950 Area 4508262
ISTD 514.80>469.95 (-) 2.27e6



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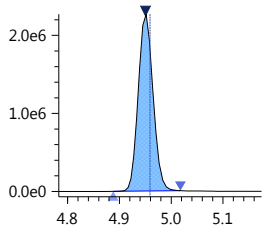
Q 514.80>469.95 (-) 2.27e6



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Conc 0.0154
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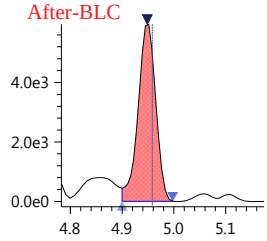
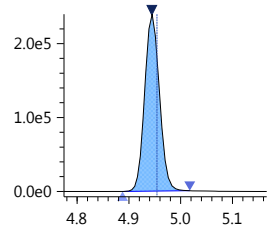
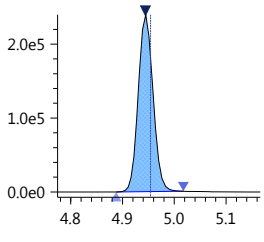
Q 513.00>468.80 (-) 5.96e3



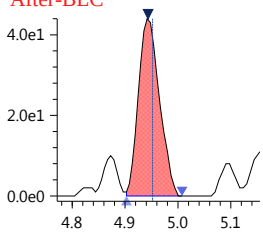
8_2-FTS-13C_IS
Conc 5.0000
RT 4.944 Area 475926
ISTD 528.80>509.00 (-) 2.40e5



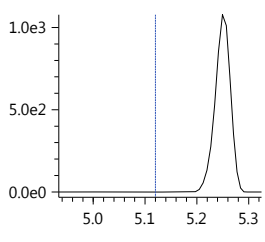
8_2-FTS-13C
Conc 5.8576
RT 4.944 Area 475926
Q 528.80>509.00 (-) 2.40e5



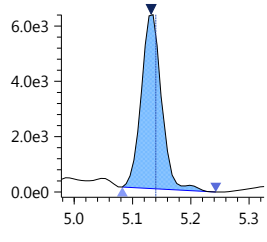
8_2-FTS_1
Conc 0.0017
RT 4.943 Area 122
Q 527.10>506.90 (-) 4.40e1



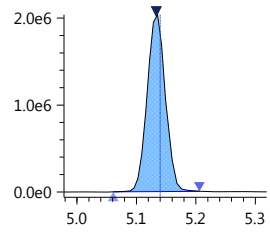
PFDS_1
Conc ----
RT ---- Area ----
Q 599.00>79.90 (-) 1.08e3



PFUnA
Conc -0.0126
RT 5.132 Area 15296
Q 563.00>518.90 (-) 6.41e3



PFUnA-13C_IS
Conc 5.0000
RT 5.133 Area 4352658
ISTD 564.80>519.95 (-) 2.04e6



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PFUnA-13C
Conc 4.7430
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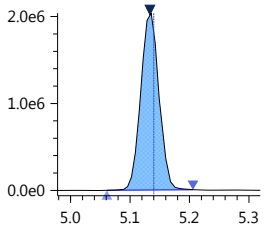
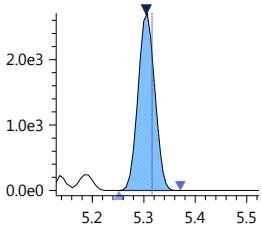
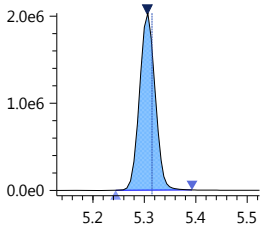
Q 564.80>519.95 (-) 2.04e6



PFDoA
Conc -0.0029
RT 5.305 Area 6146
Q 613.05>569.00 (-) 2.71e3



PFDoA-13C
Conc 3.3208
RT 5.306 Area 4286560
Q 614.80>569.95 (-) 2.03e6



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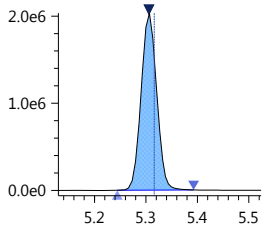
Conc 5.0000
RT 5.306 Area 4286560
ISTD 614.80>569.95 (-) 2.03e6



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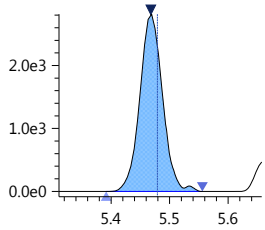
Conc -0.0001
RT 5.468 Area 7595
Q 663.00>618.90 (-) 2.82e3



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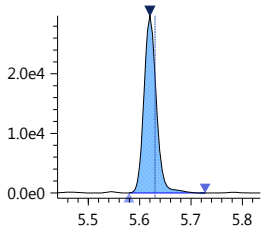
Q 713.40>669.00 (-) 2.98e4



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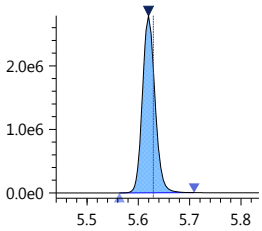

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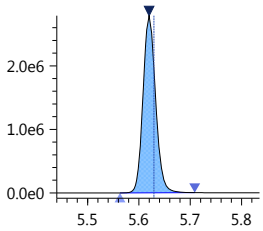
ISTD 714.70>669.90 (-) 2.79e6



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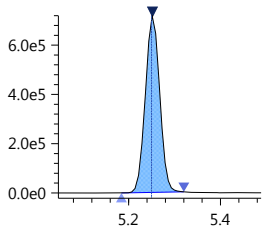

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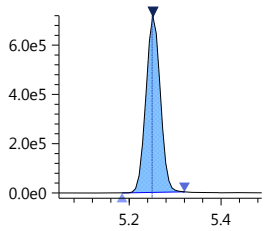

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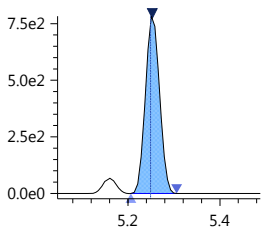

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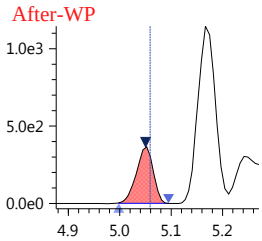

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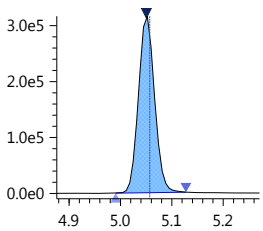
Conc 4.9710
RT 5.050 Area 687457
Q 572.80>419.05 (-) 3.17e5



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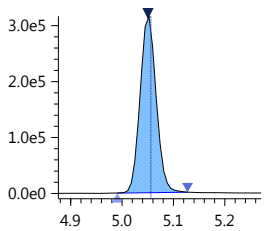

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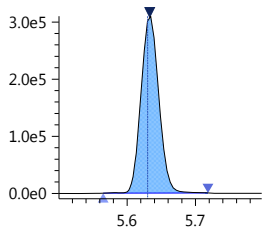

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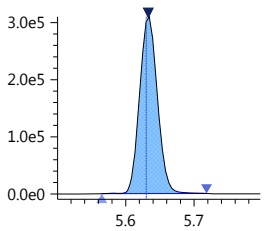
Q 514.90>168.90 (-) 3.10e5



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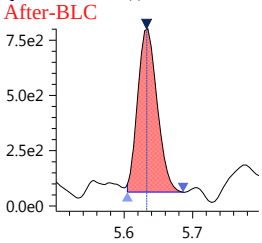

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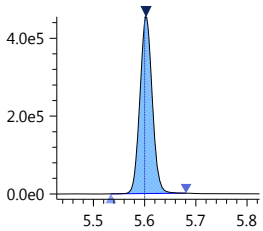
Conc 2.5558
RT 5.603 Area 761167
Q 622.70>59.10 (-) 4.55e5



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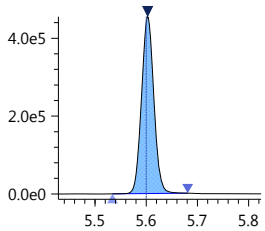

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RT 5.606 Area 437
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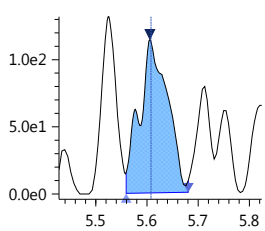


Insight Report

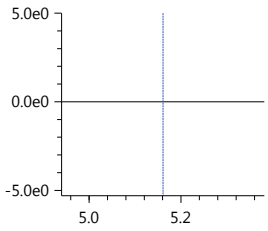
Printed at 6/21/2019 1:50:21 PM

N-EtFOSAA

Conc ----

RT ---- Area ----

Q 584.20>418.95 (-) 0.00e0

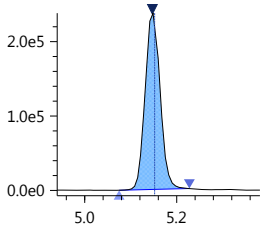


N-EtFOSAA-d5_IS

Conc 5.0000

RT 5.147 Area 537206

ISTD 588.80>419.00 (-) 2.38e5

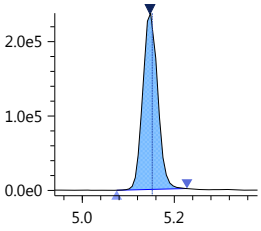


N-EtFOSAA-d5

Conc 4.4110

RT 5.147 Area 537206

Q 588.80>419.00 (-) 2.38e5

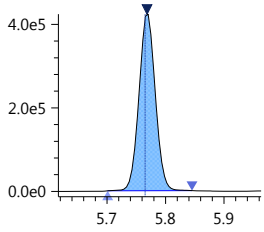


N-EtFOSA-d9_IS

Conc 5.0000

RT 5.768 Area 822597

ISTD 530.90>169.15 (-) 4.24e5

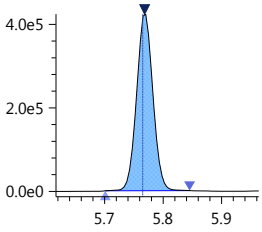


N-EtFOSA-d9

Conc 2.6814

RT 5.768 Area 822597

Q 530.90>169.15 (-) 4.24e5

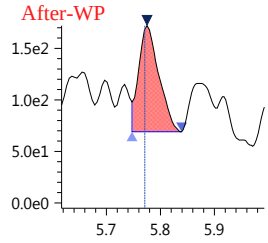


N-EtFOSA

Conc 0.0081

RT 5.775 Area 268

Q 526.90>169.10 (-) 1.72e2

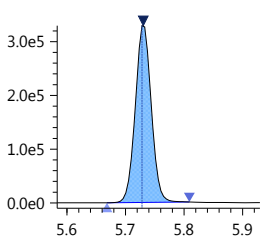


N-EtFOSE-d9_IS

Conc 5.0000

RT 5.730 Area 625651

ISTD 638.70>59.10 (-) 3.30e5

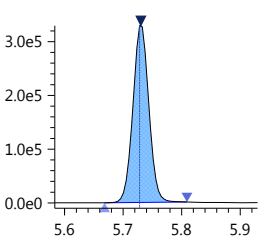


N-EtFOSE-d9

Conc 2.5651

RT 5.730 Area 625651

Q 638.70>59.10 (-) 3.30e5

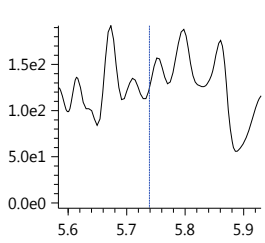


N-EtFOSE

Conc ----

RT ---- Area ----

Q 630.00>58.90 (-) 1.92e2

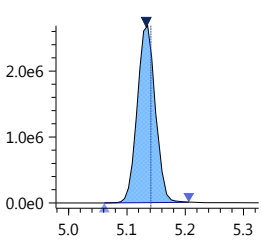


13C7-PFUnDA_IS

Conc 5.0000

RT 5.133 Area 5785251

ISTD 570.00>525.00 (-) 2.69e6



Insight Report

Printed at 6/21/2019 12:45:13 PM

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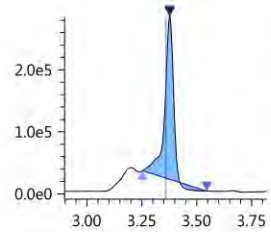
Date acquired: 6/20/2019 9:32:31 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190620_b2\190620_048.lcd
Vial: 35 | Inj. Volume: 15.0000uL | Tray: 5

PFBA-13C_IS
Conc 5.0000
RT 3.377 Area 696123
ISTD 216.90>172.15 (-) 2.86e5



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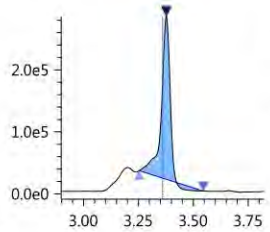

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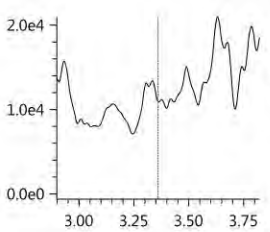
Conc ----
RT ---- Area ----
Q 213.00>169.10 (-) 2.10e4



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Conc 5.0000
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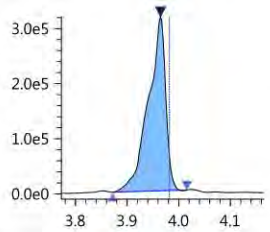

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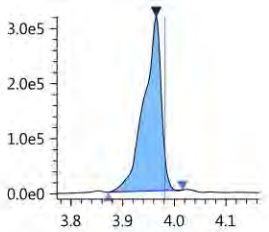
Q 267.90>223.00 (-) 3.22e5



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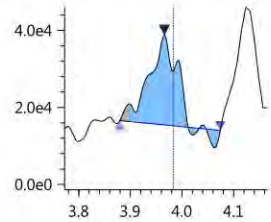
Q 263.05>219.10 (-) 4.60e4



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Conc 0.0396
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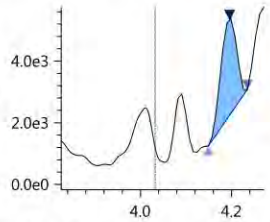
Q 299.00>80.00 (-) 5.75e3



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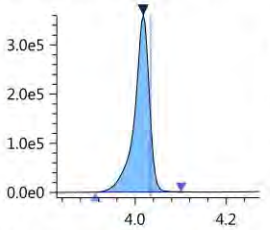

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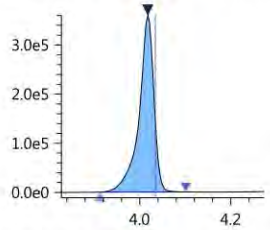

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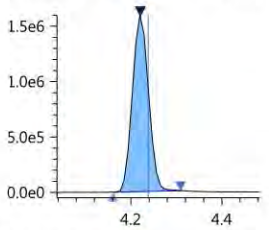

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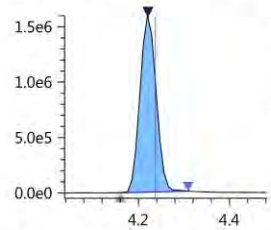

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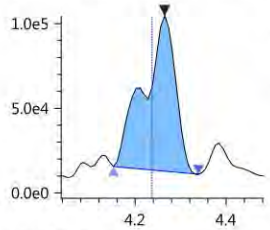

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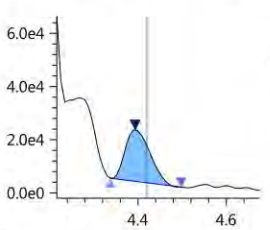
Q 362.90>319.00 (-) 6.66e4



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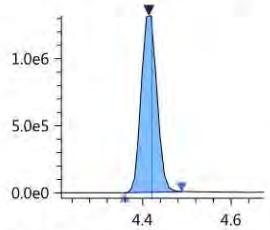

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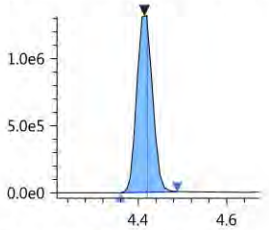

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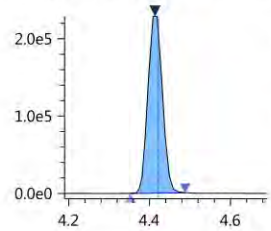

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Conc 2.7559
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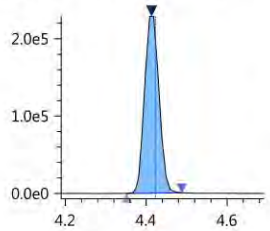
Q 402.70>84.05 (-) 2.29e5



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RT 4.409 Area 19891
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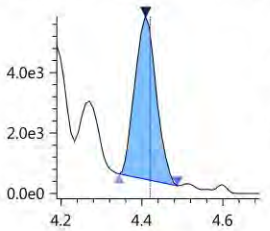
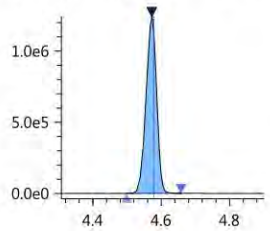


6_2-FTS-13C
Conc 18.3316
RT 4.572 Area 2680916
Q 428.90>409.00 (-) 1.25e6



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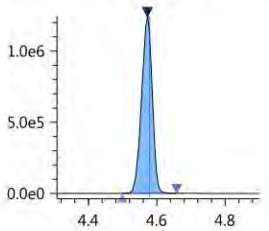
Conc 5.0000
RT 4.572 Area 2680916
ISTD 428.90>409.00 (-) 1.25e6



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6_2-FTS_1
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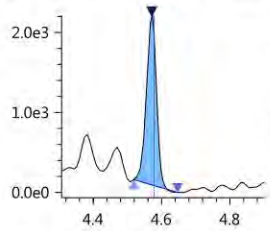
Q 427.00>407.00 (-) 2.22e3



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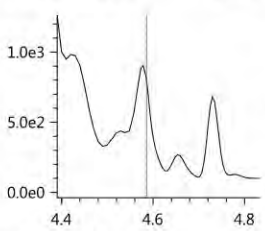
Conc ----
RT ---- Area ----
Q 449.00>80.15 (-) 1.26e3



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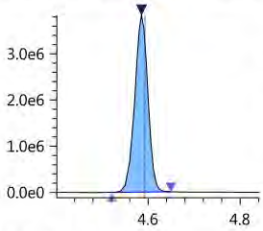
RT 4.586 Area 7652782
ISTD 416.80>372.05 (-) 3.84e6



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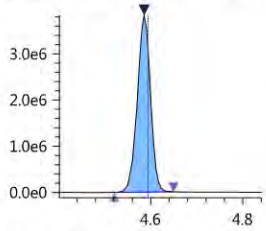
Q 416.80>372.05 (-) 3.84e6



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Conc 0.0960
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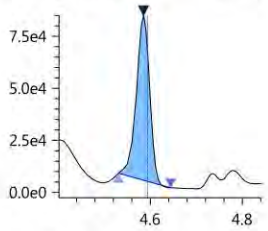
Q 413.00>369.00 (-) 8.51e4



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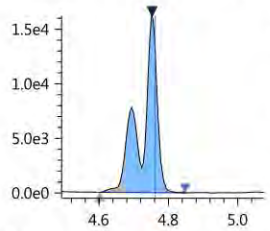

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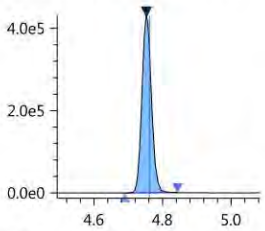
ISTD 502.80>80.05 (-) 4.31e5



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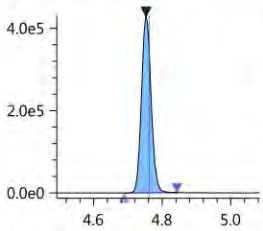

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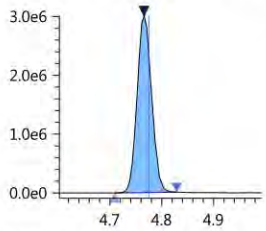
ISTD 467.80>423.00 (-) 3.01e6



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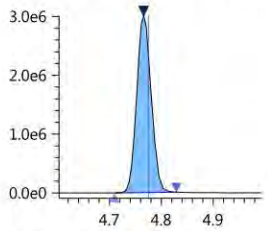

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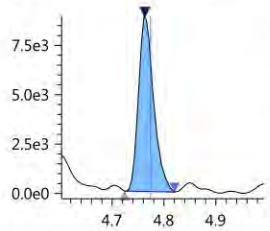

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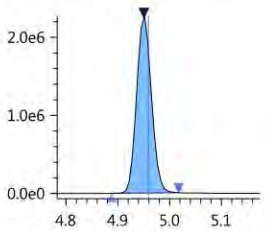
ISTD 514.80>469.95 (-) 2.27e6



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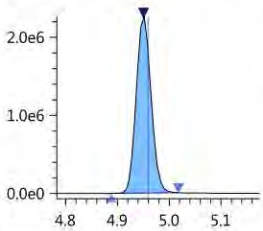

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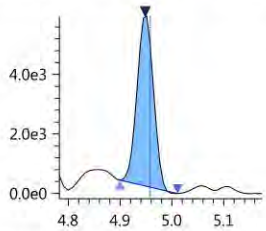
RT 4.949 Area 12659
Q 513.00>468.80 (-) 5.96e3



8_2-FTS-13C_IS
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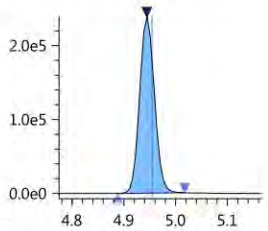
ISTD 528.80>509.00 (-) 2.40e5



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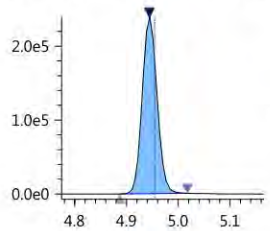
Q 528.80>509.00 (-) 2.40e5



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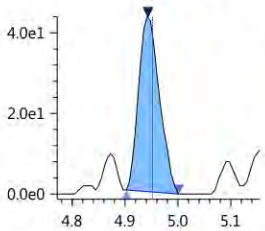
Q 527.10>506.90 (-) 4.40e1



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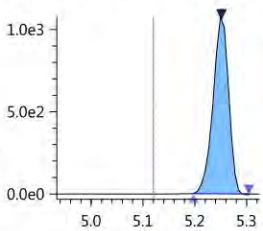
Q 599.00>79.90 (-) 1.08e3



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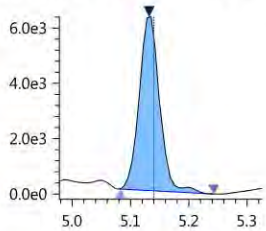

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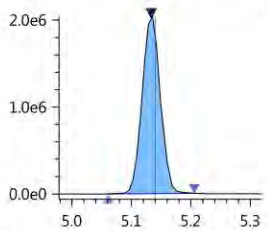

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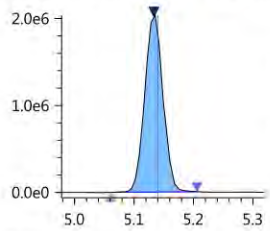
Q 564.80>519.95 (-) 2.04e6



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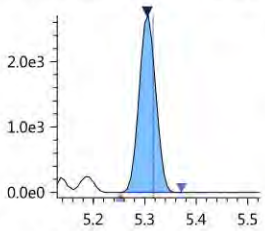
RT 5.305 Area 6146
Q 613.05>569.00 (-) 2.71e3



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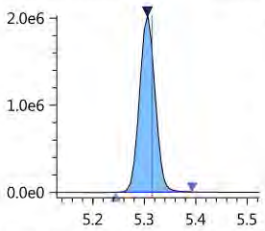
Conc 3.3208
RT 5.306 Area 4286560
Q 614.80>569.95 (-) 2.03e6



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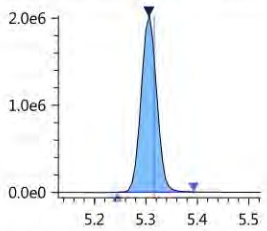

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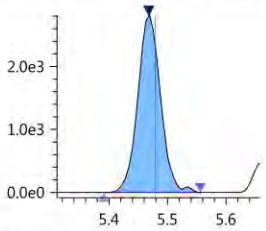
Q 663.00>618.90 (-) 2.82e3



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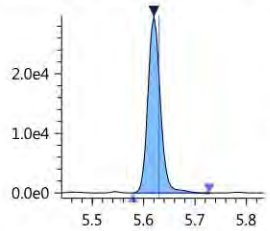
Q 713.40>669.00 (-) 2.98e4



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Conc 4.8422
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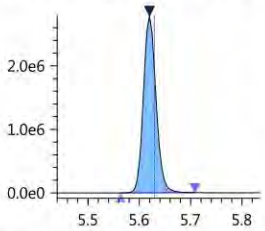
Q 714.70>669.90 (-) 2.79e6



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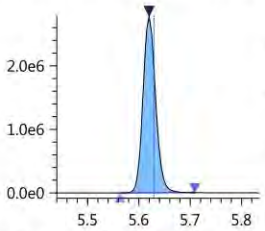
ISTD 714.70>669.90 (-) 2.79e6



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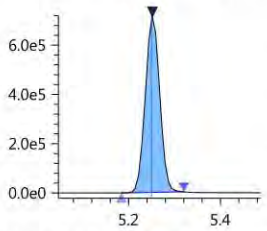
Conc 5.0000
RT 5.252 Area 1563331
ISTD 506.00>78.05 (-) 7.20e5



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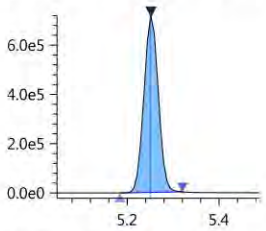

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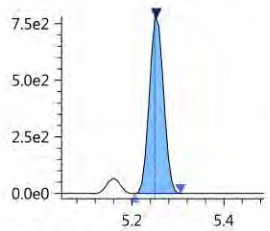

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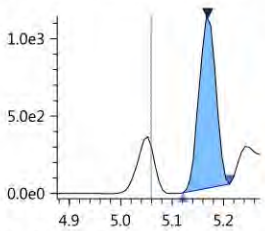
Conc 0.0280
RT 5.169 Area 2554
Q 570.20>419.00 (-) 1.15e3



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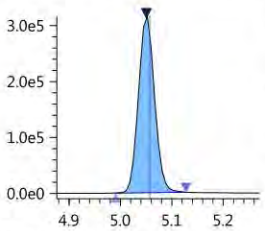
Conc 4.9710
RT 5.050 Area 687457
Q 572.80>419.05 (-) 3.17e5



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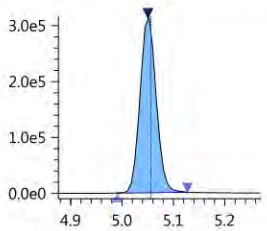
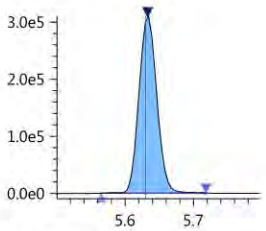
ISTD 572.80>419.05 (-) 3.17e5



N-MeFOSA-d3_IS
Conc 5.0000
RT 5.633 Area 561629
ISTD 514.90>168.90 (-) 3.10e5



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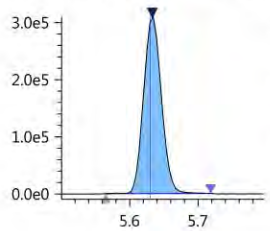
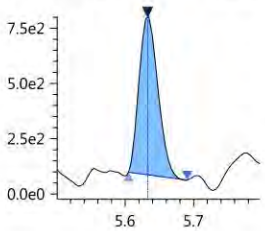
Conc 2.7151
RT 5.633 Area 561629
Q 514.90>168.90 (-) 3.10e5



N-MeFOSA
Conc 0.0072
RT 5.633 Area 1376
Q 512.00>169.10 (-) 8.02e2



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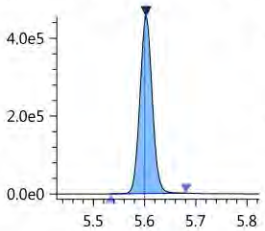
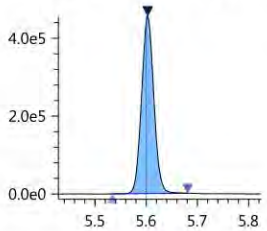
Conc 2.5558
RT 5.603 Area 761167
Q 622.70>59.10 (-) 4.55e5



N-MeFOSE-d7_IS
Conc 5.0000
RT 5.603 Area 761167
ISTD 622.70>59.10 (-) 4.55e5



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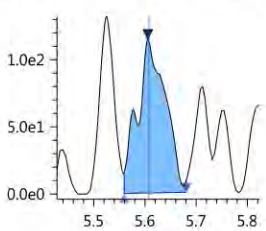
RT 5.606 Area 437
Q 616.00>59.00 (-) 1.32e2



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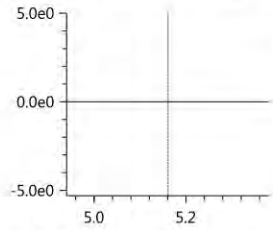
N-EtFOSAA

Conc ----

RT ---- Area ----

Q 584.20>418.95 (-) 0.00e0

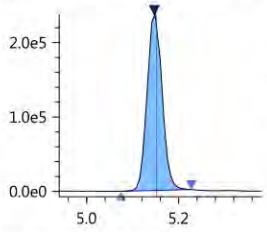


N-EtFOSAA-d5_IS

Conc 5.0000

RT 5.147 Area 537206

ISTD 588.80>419.00 (-) 2.38e5

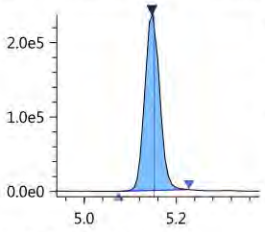


N-EtFOSAA-d5

Conc 4.4110

RT 5.147 Area 537206

Q 588.80>419.00 (-) 2.38e5

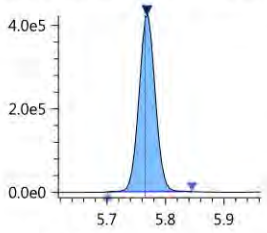


N-EtFOSA-d9_IS

Conc 5.0000

RT 5.768 Area 822597

ISTD 530.90>169.15 (-) 4.24e5

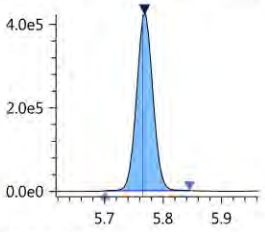


N-EtFOSA-d9

Conc 2.6814

RT 5.768 Area 822597

Q 530.90>169.15 (-) 4.24e5

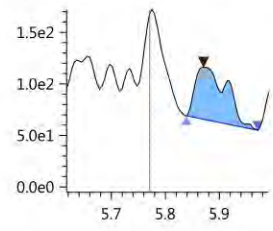


N-EtFOSA

Conc 0.0063

RT 5.871 Area 208

Q 526.90>169.10 (-) 1.72e2

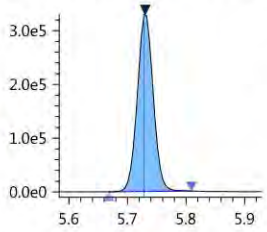


N-EtFOSE-d9_IS

Conc 5.0000

RT 5.730 Area 625651

ISTD 638.70>59.10 (-) 3.30e5

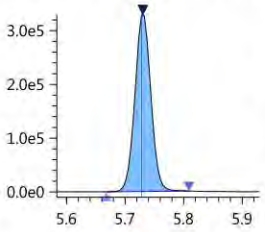


N-EtFOSE-d9

Conc 2.5651

RT 5.730 Area 625651

Q 638.70>59.10 (-) 3.30e5

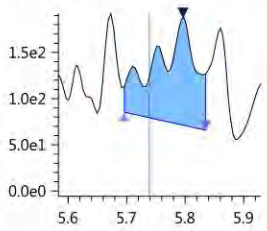


N-EtFOSE

Conc 0.0033

RT 5.796 Area 540

Q 630.00>58.90 (-) 1.92e2

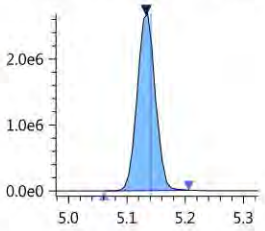


13C7-PFUnDA_IS

Conc 5.0000

RT 5.133 Area 5785251

ISTD 570.00>525.00 (-) 2.69e6



1st EJD 07/09/19
2nd 07/09/19

Validation Report

Data File: J:\LCMS06\Data\190702_b3\190702_053
Lab ID: R1905417-013
RunType: N/A
Matrix: Water

Date Acquired: 7/2/19 20:25
Batch ID: 641752
Analysis Method: PFC/537M/PFOA

Validations

Validation Categories	Pass	Fail
Preparation Hold Time	X	
Analytical Hold Time	X	
ICAL Analyte Recovery	X	
Second Source ICAL Verification	X	
Continuing Calibration Recovery	X	
Lab Control Sample Recovery	X	
Duplicate Lab Control Sample Recovery	X	
Method Blank	X	
Method Blank Surrogates	X	
Internal Standards	X	
Surrogates	X	
Std MRL Unsupported by ICAL	X	
Above Highest ICAL Level	X	

Primary Review: _____

Secondary Review: _____

Quantitation Report

Data File:	J:\LCMS06\Data\190702_b3\190702_053	**Instrument:**	K-LCMS-06
Acqu Date:	7/2/19 20:25	**Vial:**	6
Run Type:	N/A	**Dilution:**	1
Lab ID:	R1905417-013	**Raw Units:**	ng/mL

Bottle ID:	R1905417-013.05	**Tier:**	IV	**Matrix:**	Water
Prod Code:	PFOA	**Collect Date:**	6/10/19	**Receive Date:**	6/12/19

Analysis Lot:	641752	**Prep Lot:**	338877	**Report Group:**	R1905417
Analysis	PFC/537M	**Prep Method:**	EPA 3535A		
		Prep Date:	6/18/19		

Title:	Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS	**Calibration ID:**	KC1900243
		Report List ID:	19884

Internal Standard Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	Area Criteria
13C7-PFUnDA	5.121	0.00	6035938	5.0000	OK

Surrogate Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	% Rec	% Rec Criteria	Rpt?
13C4-PFOS	4.743	0.00	819142	4.8717	97	25 - 121	N
13C4-PFBA	3.363	-0.03	1185469	1.5110	30	27 - 124	Y
13C5-PFPeA	3.960	-0.01	1037557	2.2292	45	27 - 138	Y
13C2-PFTeDA	5.609	0.00	4990978	4.3192	86	13 - 124	N

Target Compounds

Final Conc.Units: ng/L

Parameter Name	RT	RT Dev	Response	Solution Conc	Final Conc	Q	Rpt?
Perfluorooctane sulfonic acid (PFOS)	4.744	0.00	48753	0.3942	11		N
Perfluorobutanoic acid (PFBA)	0		0	0	0	U	Y
Perfluoropentanoic acid (PFPeA)	3.959	-0.01	128660	0.1262	3.6	J	Y
Perfluorotridecanoic acid (PFTrDA)	5.460	0.00	9202	0.0035	0.10	U	N
Perfluorotetradecanoic acid (PFTeDA)	5.610	0.00	60517	0.0338	0.97	U	N

Prep Amount:	280.0000 mL	**Dilution:**	1
Prep Final Amount:	8.00 mL	**Basis Factor:**	100.00

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Insight Report

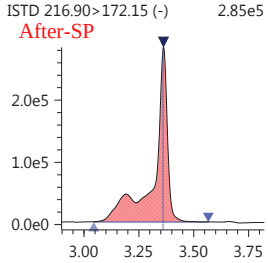
Printed at 7/9/2019 12:55:45 PM

190702_053

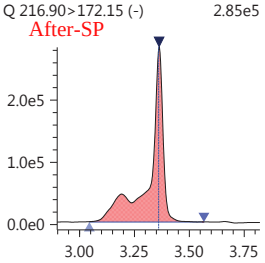
Sample ID: R1905417-013
Date acquired: 7/2/2019 8:25:11 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190702_b3\190702_053.lcd
Vial: 20 | Inj. Volume: 15.0000uL | Tray: 2

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
PFBA-13C_IS	M	3.363	1185469	1185469	2	5.0000	ng/mL	----
PFBA-13C	M	3.363	1185469	6035938	26	1.5110	ng/mL	----
PFBA	ND(W/B)	----	----	1185469	2	----	ng/mL	----
PFPeA-13C_IS	Auto	3.960	1037557	1037557	4	5.0000	ng/mL	----
PFPeA-13C	Auto	3.960	1037557	6035938	26	2.2292	ng/mL	----
PFPeA	M	3.959	128660	1037557	4	0.1262	ng/mL	----
PFOS_1	M	4.744	48753	819142	13	0.3942	ng/mL	----
PFOS-13C_IS	Auto	4.743	819142	819142	13	5.0000	ng/mL	----
PFOS-13C	Auto	4.743	819142	6035938	26	4.8717	ng/mL	----
PFTrDA	Auto	5.460	9202	4990978	22	0.0035	ng/mL	----
PFTeDA	Auto	5.610	60517	4990978	22	0.0338	ng/mL	----
PFTeDA-13C	Auto	5.609	4990978	6035938	26	4.3192	ng/mL	----
PFTeDA-13C_IS	Auto	5.609	4990978	4990978	22	5.0000	ng/mL	----
13C7-PFUnDA_IS	Auto	5.121	6035938	6035938	26	5.0000	ng/mL	----

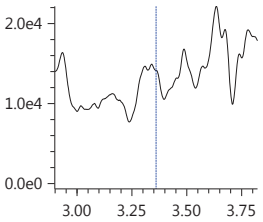
PFBA-13C_IS
Conc 5.0000
RT 3.363 Area 1185469
ISTD 216.90>172.15 (-) 2.85e5



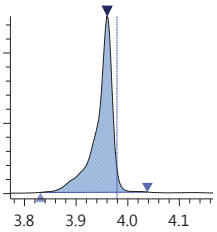
PFBA-13C
Conc 1.5110
RT 3.363 Area 1185469
Q 216.90>172.15 (-) 2.85e5



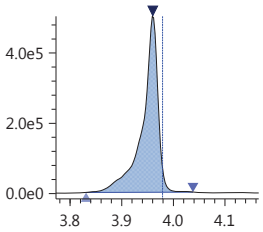
PFBA
Conc ----
RT ---- Area ----
Q 213.00>169.10 (-) 2.22e4



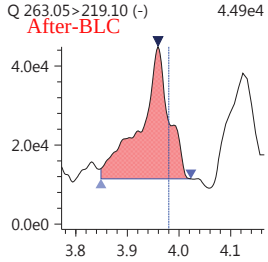
PFPeA-13C_IS
Conc 5.0000
RT 3.960 Area 1037557
ISTD 267.90>223.00 (-) 5.04e5



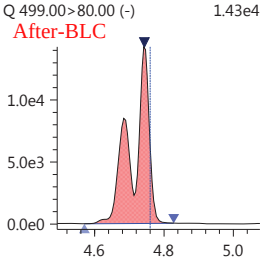
PFPeA-13C
Conc 2.2292
RT 3.960 Area 1037557
Q 267.90>223.00 (-) 5.04e5



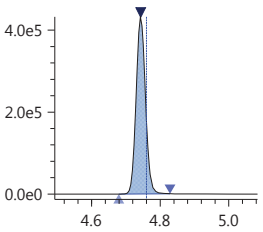
PFPeA
Conc 0.1262
RT 3.959 Area 128660
Q 263.05>219.10 (-) 4.49e4



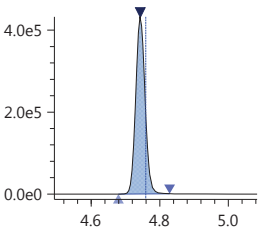
PFOS_1
Conc 0.3942
RT 4.744 Area 48753
Q 499.00>80.00 (-) 1.43e4



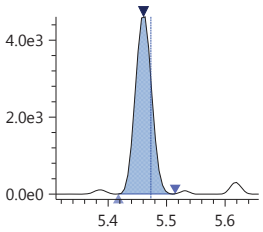
PFOS-13C_IS
Conc 5.0000
RT 4.743 Area 819142
ISTD 502.80>80.05 (-) 4.33e5



PFOS-13C
Conc 4.8717
RT 4.743 Area 819142
Q 502.80>80.05 (-) 4.33e5



PFTrDA
Conc 0.0035
RT 5.460 Area 9202
Q 663.00>618.90 (-) 4.61e3



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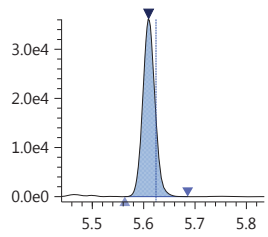
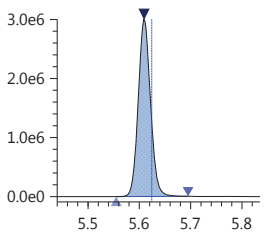
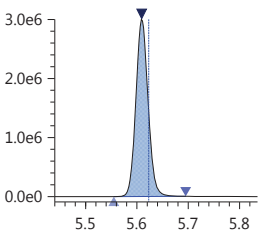
Conc 0.0338
RT 5.610 Area 60517
Q 713.40>669.00 (-) 3.61e4



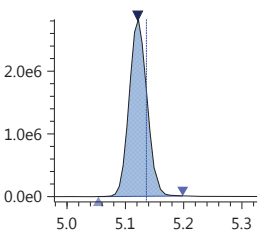
PFTeDA-13C
Conc 4.3192
RT 5.609 Area 4990978
Q 714.70>669.90 (-) 3.00e6



PFTeDA-13C_IS
Conc 5.0000
RT 5.609 Area 4990978
ISTD 714.70>669.90 (-) 3.00e6



13C7-PFUnDA_IS
Conc 5.0000
RT 5.121 Area 6035938
ISTD 570.00>525.00 (-) 2.83e6



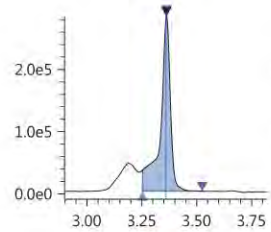
Insight Report

Printed at 7/9/2019 12:50:23 PM

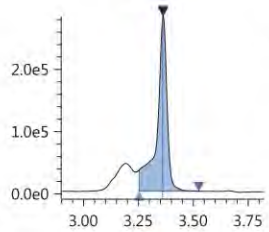
190702_053

Sample ID: R1905417-013
Date acquired: 7/2/2019 8:25:11 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190702_b3\190702_053.lcd
Vial: 20 | Inj. Volume: 15.0000uL | Tray: 2

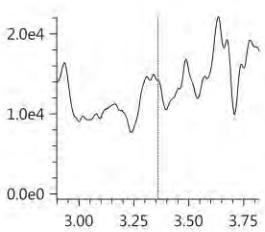
PFBA-13C_IS
Conc 5.0000
RT 3.363 Area 899132
ISTD 216.90>172.15 (-) 2.85e5



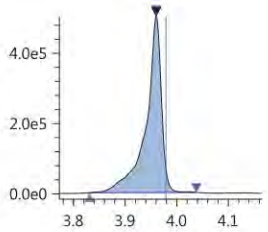
PFBA-13C
Conc 1.1460
RT 3.363 Area 899132
Q 216.90>172.15 (-) 2.85e5



PFBA
Conc ----
RT ---- Area ----
Q 213.00>169.10 (-) 2.22e4



PFPeA-13C_IS
Conc 5.0000
RT 3.960 Area 1037557
ISTD 267.90>223.00 (-) 5.04e5



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Conc 2.2292
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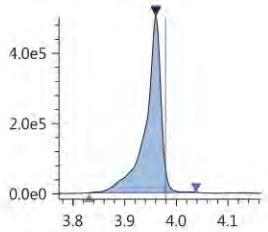
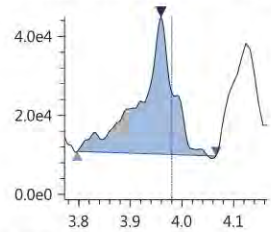
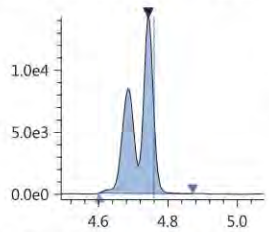
Q 267.90>223.00 (-) 5.04e5



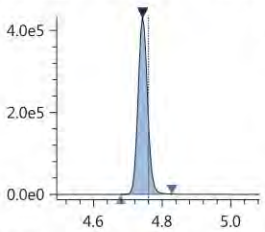
PFPeA
Conc 0.1723
RT 3.959 Area 152092
Q 263.05>219.10 (-) 4.49e4



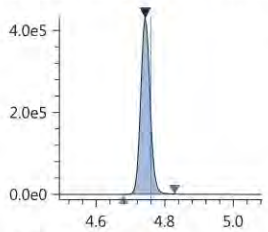
PFOS_1
Conc 0.3910
RT 4.744 Area 48357
Q 499.00>80.00 (-) 1.43e4



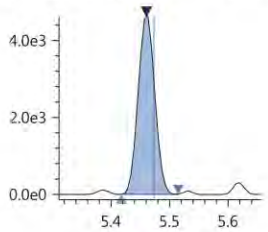
PFOS-13C_IS
Conc 5.0000
RT 4.743 Area 819142
ISTD 502.80>80.05 (-) 4.33e5



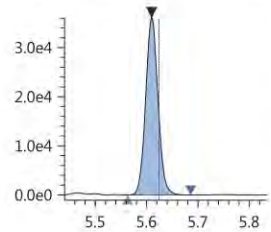
PFOS-13C
Conc 4.8717
RT 4.743 Area 819142
Q 502.80>80.05 (-) 4.33e5



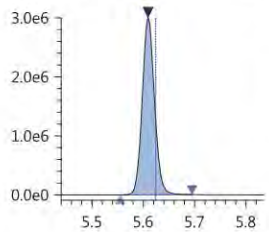
PFTrDA
Conc 0.0035
RT 5.460 Area 9202
Q 663.00>618.90 (-) 4.61e3



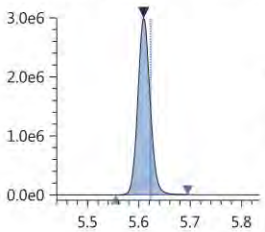
PFTeDA
Conc 0.0338
RT 5.610 Area 60517
Q 713.40>669.00 (-) 3.61e4



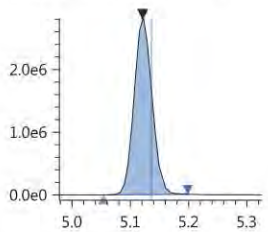
PFTeDA-13C
Conc 4.3192
RT 5.609 Area 4990978
Q 714.70>669.90 (-) 3.00e6



PFTeDA-13C_IS
Conc 5.0000
RT 5.609 Area 4990978
ISTD 714.70>669.90 (-) 3.00e6



13C7-PFUnDA_IS
Conc 5.0000
RT 5.121 Area 6035938
ISTD 570.00>525.00 (-) 2.83e6



1st CM 06/21/19
2nd 06/24/19

Validation Report

Data File: J:\LCMS06\Data\190620_b2\190620_034
Lab ID: KQ1908479-03
RunType: MB
Matrix: Water

Date Acquired: 6/20/19 19:06
Batch ID: 640215
Analysis Method: PFC/537M/PFOA

Validations

Validation Categories	Pass	Fail
Analytical Hold Time	X	
ICAL Analyte Recovery	X	
Second Source ICAL Verification	X	
Continuing Calibration Recovery		X
Internal Standards	X	
Surrogates	X	
Std MRL Unsupported by ICAL	X	
Above Highest ICAL Level	X	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Continuing Calibration Recovery	13C2-6:2 FTS	141	70	130	native ok
	D3-MeFOSAA	157	70	130	native ok
	13C8-FOSA	66	70	130	native ok
	13C2-8:2 FTS	169	70	130	native ok
	D5-EtFOSAA	146	70	130	native ok

Primary Review: _____

Secondary Review: _____

1st CM 06/21/19
2nd 06/24/19

Quantitation Report

Data File:	J:\LCMS06\Data\190620_b2\190620_034	**Instrument:**	K-LCMS-06
Acqu Date:	6/20/19 19:06	**Vial:**	3
Run Type:	MB	**Dilution:**	1
Lab ID:	KQ1908479-03	**Raw Units:**	ng/mL

Bottle ID:		**Tier:**	IV	**Matrix:**	Water
Prod Code:	PFOA	**Collect Date:**	6/10/19	**Receive Date:**	6/12/19

Analysis Lot:	640215	**Prep Lot:**	338877	**Report Group:**	KQ1908479
Analysis	PFC/537M	**Prep Method:**	EPA 3535A		
		Prep Date:	6/18/19		

Title:	Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS	**Calibration ID:**	KC1900234
		Report List ID:	20091

Internal Standard Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	Area Criteria
13C7-PFUnDA	5.137	0.00	6844398	5.0000	OK

Surrogate Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	% Rec	% Rec Criteria	Rpt?
13C3-PFBS	4.030	0.00	1024091	2.1433	43	20 - 109	Y
18O2-PFHxS	4.417	-0.01	736765	2.9985	60	26 - 122	Y
13C4-PFOS	4.759	0.00	887673	2.8781	58	25 - 121	Y
13C4-PFBA	3.407	-0.01	3925158	3.0042	60	27 - 124	Y
13C5-PFPeA	3.977	0.00	2054187	2.5945	52	27 - 138	Y
13C2-PFHxA	4.233	-0.01	6048008	3.3886	68	28 - 132	Y
13C4-PFHpA	4.418	0.00	6529358	3.7715	75	19 - 139	Y
13C4-PFOA	4.592	0.00	8767890	4.1732	83	22 - 130	Y
13C5-PFNA	4.770	-0.01	5657233	4.0095	80	20 - 127	Y
13C2-PFDA	4.955	0.00	5095871	3.8567	77	24 - 125	Y
13C2-PFUnDA	5.137	0.00	4939993	4.5500	91	22 - 125	Y
13C2-PFDoDA	5.312	0.00	5931380	3.8840	78	19 - 122	Y
13C2-PFTeDA	5.625	0.00	5052821	4.3437	87	13 - 124	Y
13C8-FOSA	5.255	+0.00	1871892	2.3125	46	18 - 109	Y
D3-MeFOSA	5.637	+0.00	610562	2.4949	50	15 - 153	Y
D5-EtFOSA	5.772	+0.00	876449	2.4148	48	25 - 107	Y
D7-MeFOSE	5.606	+0.00	985438	2.7969	56	24 - 112	Y
D9-EtFOSE	5.734	+0.00	827502	2.8677	57	19 - 109	Y
D3-MeFOSAA	5.054	0.00	934032	5.7089	114	9 - 123	Y
D5-EtFOSAA	5.152	0.00	705841	4.8988	98	12 - 126	Y
13C2-6:2 FTS	4.577	-0.01	1057712	6.1132	122	10 - 226	Y
13C2-8:2 FTS	4.949	-0.01	633338	6.5888	132	10 - 202	Y

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

1st CM 06/21/19
2nd 06/24/19

Data File:	J:\LCMS06\Data\190620_b2\190620_034	**Instrument:**	K-LCMS-06
Acqu Date:	6/20/19 19:06	**Vial:**	3
Run Type:	MB	**Dilution:**	1
Lab ID:	KQ1908479-03	**Raw Units:**	ng/mL

Target Compounds

Final Conc.Units: ng/L

Parameter Name	RT	RT Dev	Response	Solution Conc	Final Conc	Q	Rpt?
Perfluorobutane sulfonic acid (PFBS)	4.024	-0.01	269	0.0011	0.035	U	Y
Perfluorohexane sulfonic acid (PFHxS)	4.428	+0.01	3308	-0.0361	0	U	Y
Perfluoroheptane sulfonic acid (PFHpS)	4.576	-0.01	254	0.0011	0.035	U	Y
Perfluorooctane sulfonic acid (PFOS)	4.760	0.00	1972	0.0133	0.43	U	Y
Perfluorodecane sulfonic acid (PFDS)	0		0	0	0	U	Y
Perfluorobutanoic acid (PFBA)	0		0	0	0	U	Y
Perfluoropentanoic acid (PFPeA)	3.977	-0.01	118346	-0.0016	0	U	Y
Perfluorohexanoic acid (PFHxA)	4.220	-0.02	41964	0.0035	0.11	U	Y
Perfluoroheptanoic acid (PFHpA)	4.406	-0.02	24073	0.0034	0.11	U	Y
Perfluorooctanoic acid (PFOA)	4.584	-0.01	39455	0.0056	0.18	U	Y
Perfluorononanoic acid (PFNA)	4.752	-0.02	17788	-0.0042	0	U	Y
Perfluorodecanoic acid (PFDA)	4.949	-0.01	15604	0.0150	0.48	U	Y
Perfluoroundecanoic acid (PFUnDA)	5.135	-0.01	22061	-0.0071	0	U	Y
Perfluorododecanoic acid (PFDoDA)	5.309	-0.01	6078	-0.0062	0	U	Y
Perfluorotridecanoic acid (PFTrDA)	5.476	0.00	7967	-0.0002	0	U	Y
Perfluorotetradecanoic acid (PFTeDA)	5.624	0.00	56409	0.0168	0.54	U	Y
Perfluorooctane sulfonamide (FOSA)	5.258	+0.00	4192	0.0088	0.28	U	Y
N-Methyl perfluorooctane sulfonamide (MeFOSA)	5.638	0.00	1695	0.0081	0.26	U	Y
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	5.779	+0.00	411	0.0116	0.37	J <1/2MRL	Y
N-Methyl perfluorooctane sulfonamidoethanol	5.605	-0.01	249	0.0011	0.035	U	Y
N-Ethyl perfluorooctane sulfonamidoethanol	0		0	0	0	U	Y
N-Methyl perfluorooctane sulfonamidoacetic acid	5.054	-0.01	732	0.0059	0.19	U	Y
N-Ethyl perfluorooctane sulfonamidoacetic acid	0		0	0	0	U	Y
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	4.580	0.00	1305	0.0050	0.16	U	Y
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	4.942	-0.01	194	0.0020	0.064	U	Y

Prep Amount:	250 mL	**Dilution:**	1
Prep Final Amount:	8.00 mL	**Basis Factor:**	100.00

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Insight Report

Printed at 6/21/2019 1:50:21 PM

190620_034

Sample ID: KQ1908479-03
Date acquired: 6/20/2019 7:06:17 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190620_b2\190620_034.lcd
Vial: 21 | Inj. Volume: 15.0000uL | Tray: 5

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
PFBA-13C_IS	Auto	3.407	3925158	3925158	2	5.0000	ng/mL	----
PFBA-13C	Auto	3.407	3925158	6844398	26	3.0042	ng/mL	----
PFBA	ND(W/B)	----	----	3925158	2	----	ng/mL	----
PFPeA-13C_IS	Auto	3.977	2054187	2054187	4	5.0000	ng/mL	----
PFPeA-13C	Auto	3.977	2054187	6844398	26	2.5945	ng/mL	----
PFPeA	Auto	3.977	118346	2054187	4	-0.0016	ng/mL	----
PFBS_1	M	4.024	269	1024091	16	0.0011	ng/mL	----
PFBS-13C	Auto	4.030	1024091	6844398	26	2.1433	ng/mL	----
PFBS-13C_IS	Auto	4.030	1024091	1024091	16	5.0000	ng/mL	----
PFHxA-13C_IS	Auto	4.233	6048008	6048008	6	5.0000	ng/mL	----
PFHxA-13C	Auto	4.233	6048008	6844398	26	3.3886	ng/mL	----
PFHxA	M	4.220	41964	6048008	6	0.0035	ng/mL	----
PFHpA	M	4.406	24073	6529358	8	0.0034	ng/mL	----
PFHpA-13C_IS	Auto	4.418	6529358	6529358	8	5.0000	ng/mL	----
PFHpA-13C	Auto	4.418	6529358	6844398	26	3.7715	ng/mL	----
PFHxS-18O_IS	Auto	4.417	736765	736765	7	5.0000	ng/mL	----
PFHxS-18O	Auto	4.417	736765	6844398	26	2.9985	ng/mL	----
PFHxS_1	M	4.428	3308	736765	7	-0.0361	ng/mL	----
6_2-FTS-13C	Auto	4.577	1057712	6844398	26	6.1132	ng/mL	----
6_2-FTS-13C_IS	Auto	4.577	1057712	1057712	10	5.0000	ng/mL	----
6_2-FTS_1	M	4.580	1305	1057712	10	0.0050	ng/mL	----
PFHpS_1	M	4.576	254	736765	7	0.0011	ng/mL	----
PFOA-13C_IS	Auto	4.592	8767890	8767890	9	5.0000	ng/mL	----
PFOA-13C	Auto	4.592	8767890	6844398	26	4.1732	ng/mL	----
PFOA	Auto	4.584	39455	8767890	9	0.0056	ng/mL	----
PFOS_1	M	4.760	1972	887673	13	0.0133	ng/mL	----
PFOS-13C_IS	Auto	4.759	887673	887673	13	5.0000	ng/mL	----
PFOS-13C	Auto	4.759	887673	6844398	26	2.8781	ng/mL	----
PFNA-13C_IS	Auto	4.770	5657233	5657233	11	5.0000	ng/mL	----
PFNA-13C	Auto	4.770	5657233	6844398	26	4.0095	ng/mL	----
PFNA	M	4.752	17788	5657233	11	-0.0042	ng/mL	----
PFDA-13C_IS	Auto	4.955	5095871	5095871	12	5.0000	ng/mL	----
PFDA-13C	Auto	4.955	5095871	6844398	26	3.8567	ng/mL	----
PFDA	M	4.949	15604	5095871	12	0.0150	ng/mL	----
8_2-FTS-13C_IS	Auto	4.949	633338	633338	15	5.0000	ng/mL	----
8_2-FTS-13C	Auto	4.949	633338	6844398	26	6.5888	ng/mL	----
8_2-FTS_1	M	4.942	194	633338	15	0.0020	ng/mL	----
PFDS_1	ND(W/B)	----	----	887673	13	----	ng/mL	----
PFUnA	Auto	5.135	22061	4939993	14	-0.0071	ng/mL	----
PFUnA-13C_IS	Auto	5.137	4939993	4939993	14	5.0000	ng/mL	----
PFUnA-13C	Auto	5.137	4939993	6844398	26	4.5500	ng/mL	----
PFDoA	Auto	5.309	6078	5931380	17	-0.0062	ng/mL	----
PFDoA-13C	Auto	5.312	5931380	6844398	26	3.8840	ng/mL	----
PFDoA-13C_IS	Auto	5.312	5931380	5931380	17	5.0000	ng/mL	----
PFTrDA	Auto	5.476	7967	5052821	22	-0.0002	ng/mL	----
PFTeDA	Auto	5.624	56409	5052821	22	0.0168	ng/mL	----
PFTeDA-13C	Auto	5.625	5052821	6844398	26	4.3437	ng/mL	----
PFTeDA-13C_IS	Auto	5.625	5052821	5052821	22	5.0000	ng/mL	----
FOSA-13C_IS	Auto	5.255	1871892	1871892	18	5.0000	ng/mL	----
FOSA-13C	Auto	5.255	1871892	6844398	26	2.3125	ng/mL	----
FOSA	Auto	5.258	4192	1871892	18	0.0088	ng/mL	----
N-MeFOSAA	M	5.054	732	934032	19	0.0059	ng/mL	----
N-MeFOSAA-d3	Auto	5.054	934032	6844398	26	5.7089	ng/mL	----
N-MeFOSAA-d3_IS	Auto	5.054	934032	934032	19	5.0000	ng/mL	----
N-MeFOSA-d3_IS	Auto	5.637	610562	610562	1	5.0000	ng/mL	----
N-MeFOSA-d3	Auto	5.637	610562	6844398	26	2.4949	ng/mL	----
N-MeFOSA	M	5.638	1695	610562	1	0.0081	ng/mL	----
N-MeFOSE-d7	Auto	5.606	985438	6844398	26	2.7969	ng/mL	----
N-MeFOSE-d7_IS	Auto	5.606	985438	985438	20	5.0000	ng/mL	----
N-MeFOSE	M	5.605	249	985438	20	0.0011	ng/mL	----
N-EtFOSAA	ND(W/B)	----	----	705841	21	----	ng/mL	----
N-EtFOSAA-d5_IS	Auto	5.152	705841	705841	21	5.0000	ng/mL	----
N-EtFOSAA-d5	Auto	5.152	705841	6844398	26	4.8988	ng/mL	----
N-EtFOSA-d9_IS	Auto	5.772	876449	876449	23	5.0000	ng/mL	----
N-EtFOSA-d9	Auto	5.772	876449	6844398	26	2.4148	ng/mL	----
N-EtFOSA	M	5.779	411	876449	23	0.0116	ng/mL	----
N-EtFOSE-d9_IS	Auto	5.734	827502	827502	24	5.0000	ng/mL	----
N-EtFOSE-d9	Auto	5.734	827502	6844398	26	2.8677	ng/mL	----

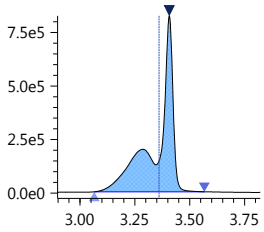
Insight Report

Printed at 6/21/2019 1:50:21 PM

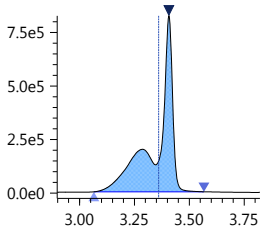
(Table continued from previous page)

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
N-EtFOSE	ND(W/B)	----	----	827502	24	----	ng/mL	----
13C7-PFUnDA_IS	Auto	5.137	6844398	6844398	26	5.0000	ng/mL	----

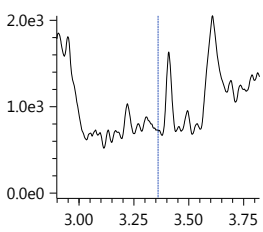
PFBA-13C_IS
Conc 5.0000
RT 3.407 Area 3925158
ISTD 216.90>172.15 (-) 8.28e5



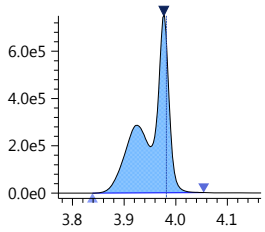
PFBA-13C
Conc 3.0042
RT 3.407 Area 3925158
Q 216.90>172.15 (-) 8.28e5



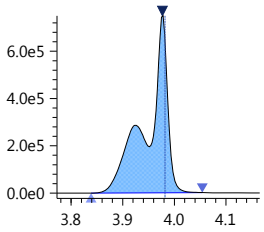
PFBA
Conc ----
RT ---- Area ----
Q 213.00>169.10 (-) 2.05e3



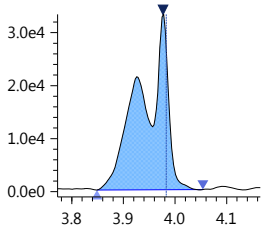
PFPeA-13C_IS
Conc 5.0000
RT 3.977 Area 2054187
ISTD 267.90>223.00 (-) 7.50e5



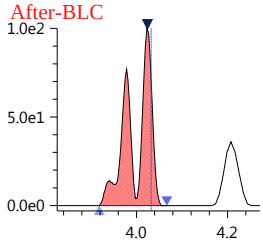
PFPeA-13C
Conc 2.5945
RT 3.977 Area 2054187
Q 267.90>223.00 (-) 7.50e5



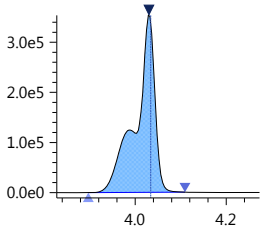
PFPeA
Conc -0.0016
RT 3.977 Area 118346
Q 263.05>219.10 (-) 3.35e4



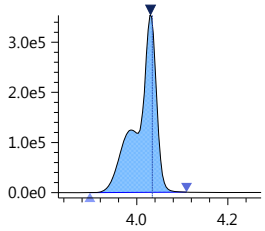
PFBS_1
Conc 0.0011
RT 4.024 Area 269
Q 299.00>80.00 (-) 1.00e2



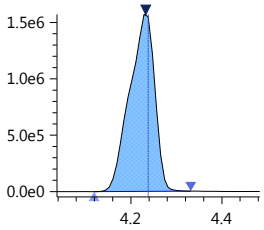
PFBS-13C
Conc 2.1433
RT 4.030 Area 1024091
Q 301.80>80.00 (-) 3.54e5



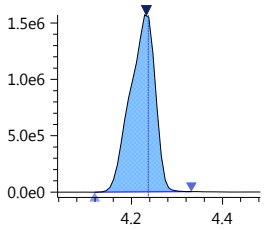
PFBS-13C_IS
Conc 5.0000
RT 4.030 Area 1024091
ISTD 301.80>80.00 (-) 3.54e5



PFHxA-13C_IS
Conc 5.0000
RT 4.233 Area 6048008
ISTD 314.90>270.10 (-) 1.57e6



PFHxA-13C
Conc 3.3886
RT 4.233 Area 6048008
Q 314.90>270.10 (-) 1.57e6



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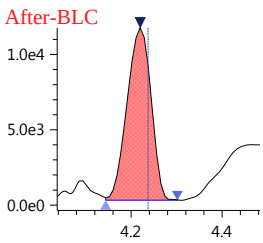
Conc 0.0035
RT 4.220 Area 41964
Q 313.00>269.00 (-) 1.18e4



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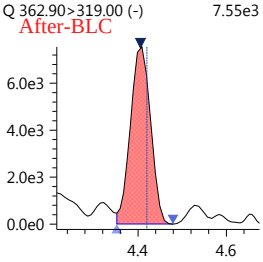
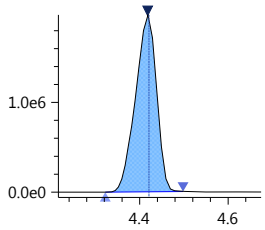
Conc 0.0034
RT 4.406 Area 24073
Q 362.90>319.00 (-) 7.55e3



PFHpA-13C_IS
Conc 5.0000
RT 4.418 Area 6529358
ISTD 366.90>322.10 (-) 1.98e6



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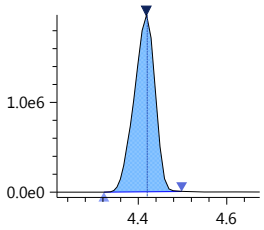
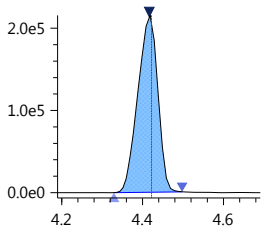
Conc 3.7715
RT 4.418 Area 6529358
Q 366.90>322.10 (-) 1.98e6



PFHxS-18O_IS
Conc 5.0000
RT 4.417 Area 736765
ISTD 402.70>84.05 (-) 2.16e5



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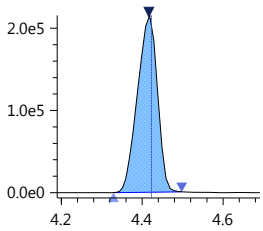
Conc 2.9985
RT 4.417 Area 736765
Q 402.70>84.05 (-) 2.16e5



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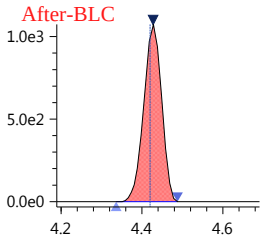
Conc -0.0361
RT 4.428 Area 3308
Q 399.00>80.00 (-) 1.07e3



6_2-FTS-13C
Conc 6.1132
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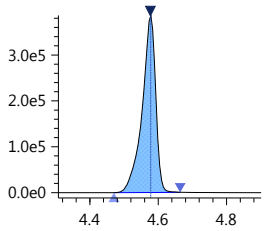
Q 428.90>409.00 (-) 3.86e5



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RT 4.577 Area 1057712
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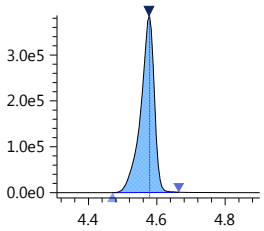

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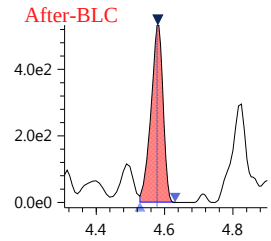
Q 427.00>407.00 (-) 5.33e2



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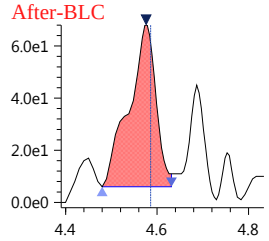

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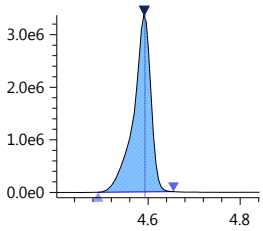
ISTD 416.80>372.05 (-) 3.37e6



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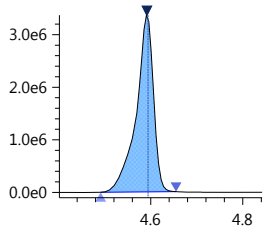

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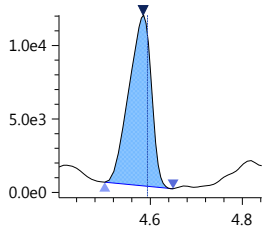

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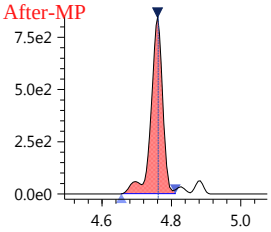
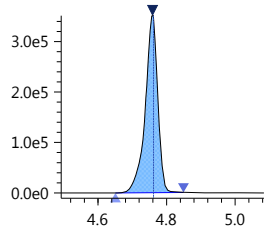
Q 499.00>80.00 (-) 8.49e2



PFOS-13C_IS
Conc 5.0000
RT 4.759 Area 887673
ISTD 502.80>80.05 (-) 3.51e5



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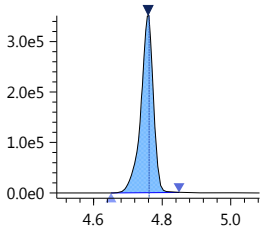
Q 502.80>80.05 (-) 3.51e5



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Conc 5.0000
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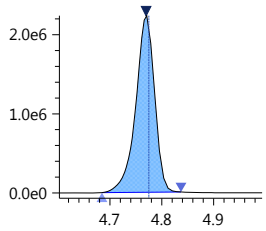
ISTD 467.80>423.00 (-) 2.24e6



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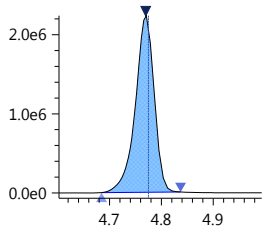

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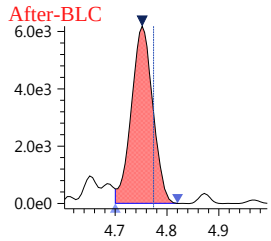

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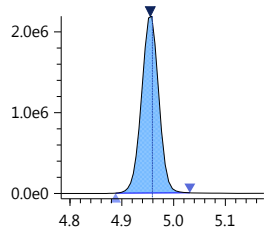

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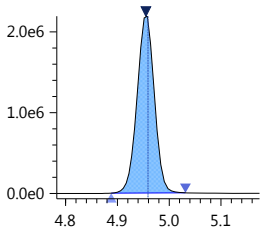
Q 514.80>469.95 (-) 2.19e6



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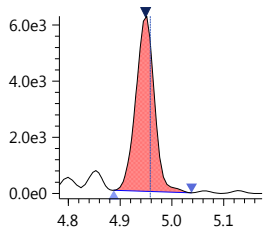
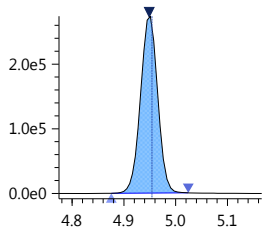
Q 513.00>468.80 (-) 6.32e3



8_2-FTS-13C_IS
Conc 5.0000
RT 4.949 Area 633338
ISTD 528.80>509.00 (-) 2.74e5



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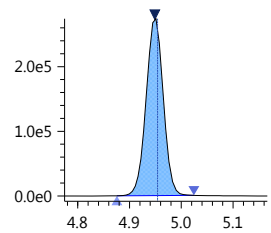
Q 528.80>509.00 (-) 2.74e5



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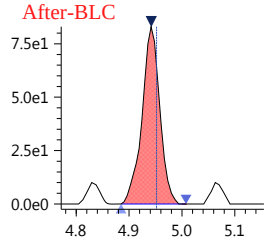
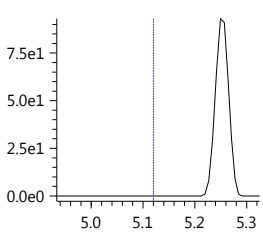


PFDS_1
Conc ----
RT ---- Area ----
Q 599.00>79.90 (-) 9.30e1



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Conc -0.0071
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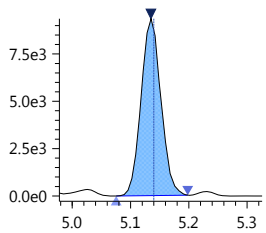
Q 563.00>518.90 (-) 9.36e3



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Conc 5.0000
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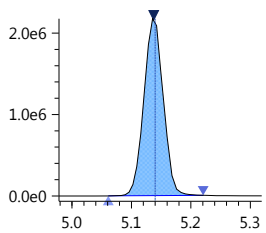
ISTD 564.80>519.95 (-) 2.18e6



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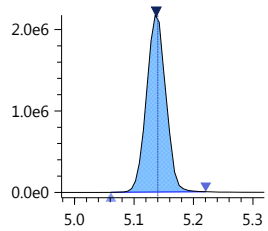

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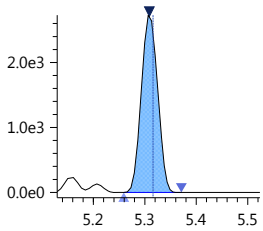
Q 613.05>569.00 (-) 2.73e3



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Conc 3.8840
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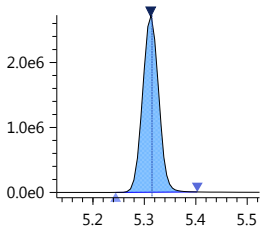
Q 614.80>569.95 (-) 2.73e6



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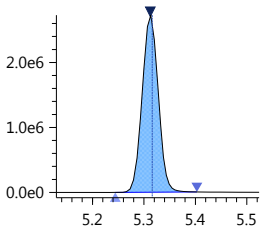

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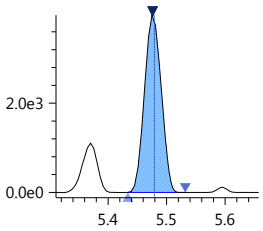

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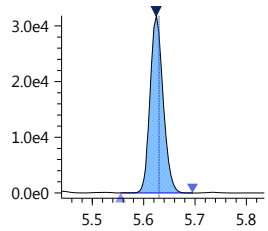

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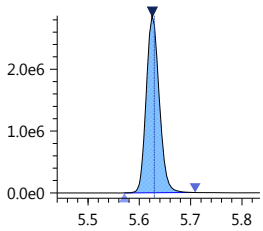
Q 714.70>669.90 (-) 2.87e6



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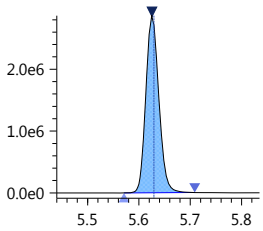
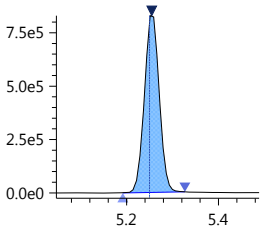


FOSA-13C_IS
Conc 5.0000
RT 5.255 Area 1871892
ISTD 506.00>78.05 (-) 8.30e5



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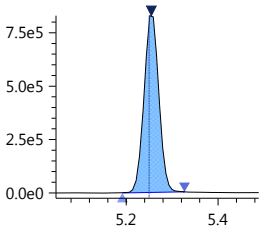
Q 506.00>78.05 (-) 8.30e5



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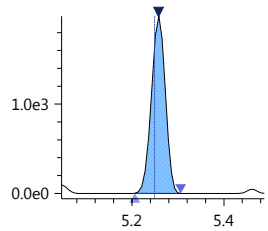
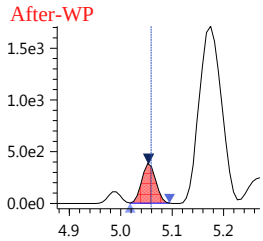
Q 498.20>78.00 (-) 1.98e3



N-MeFOSAA
Conc 0.0059
RT 5.054 Area 732
Q 570.20>419.00 (-) 1.71e3



N-MeFOSAA-d3
Conc 5.7089
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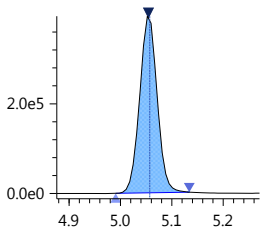
Q 572.80>419.05 (-) 3.95e5



N-MeFOSAA-d3_IS
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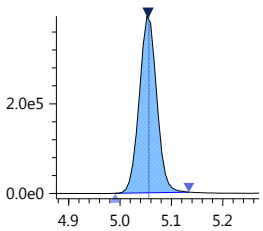
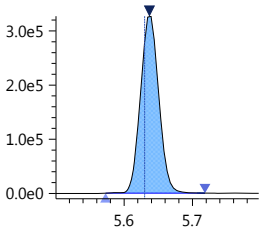
ISTD 572.80>419.05 (-) 3.95e5



N-MeFOSA-d3_IS
Conc 5.0000
RT 5.637 Area 610562
ISTD 514.90>168.90 (-) 3.27e5



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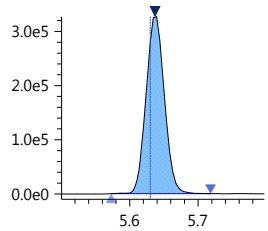
Conc 2.4949
RT 5.637 Area 610562
Q 514.90>168.90 (-) 3.27e5



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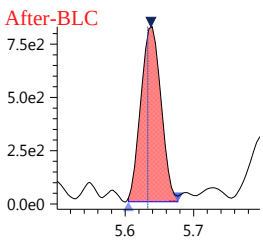
Conc 0.0081
RT 5.638 Area 1695
Q 512.00>169.10 (-) 8.32e2



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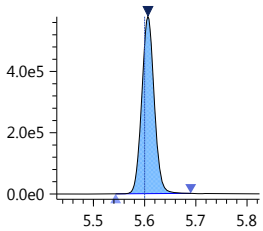
Conc 2.7969
RT 5.606 Area 985438
Q 622.70>59.10 (-) 5.79e5



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Conc 5.0000
RT 5.606 Area 985438
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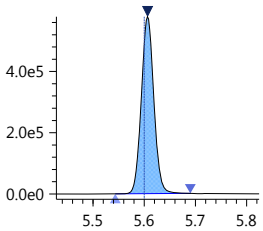

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RT 5.605 Area 249
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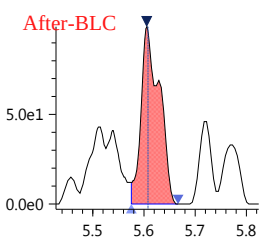

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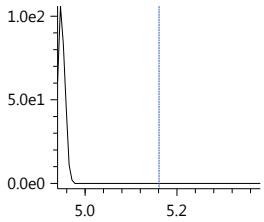
N-EtFOSAA
Conc ----
RT ---- Area ----
Q 584.20>418.95 (-) 1.06e2



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Conc 5.0000
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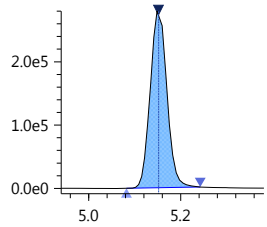
ISTD 588.80>419.00 (-) 2.80e5



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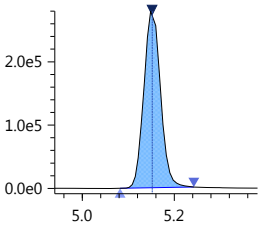

N-EtFOSA-d9_IS
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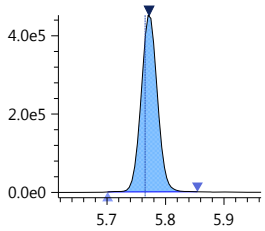
RT 5.772 Area 876449
ISTD 530.90>169.15 (-) 4.53e5



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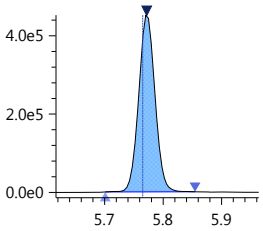
Q 530.90>169.15 (-) 4.53e5



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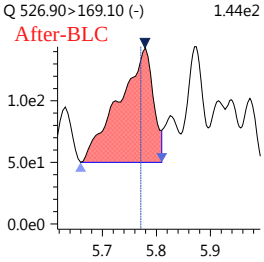
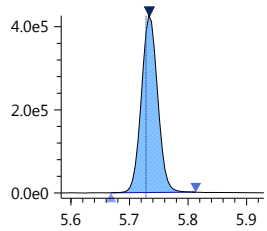
Conc 0.0116
RT 5.779 Area 411
Q 526.90>169.10 (-) 1.44e2



N-EtFOSE-d9_IS
Conc 5.0000
RT 5.734 Area 827502
ISTD 638.70>59.10 (-) 4.27e5



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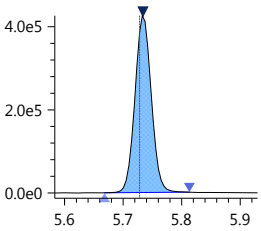

N-EtFOSE
Conc ----
RT ---- Area ----
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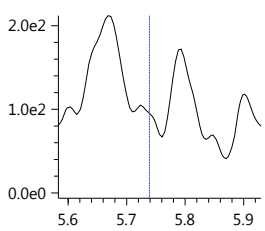

13C7-PFUnDA_IS
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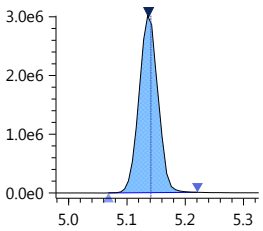
RT 5.137 Area 6844398
ISTD 570.00>525.00 (-) 3.02e6



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Printed at 6/21/2019 12:45:13 PM

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Date acquired: 6/20/2019 7:06:17 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190620_b2\190620_034.lcd
Vial: 21 | Inj. Volume: 15.0000uL | Tray: 5

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Conc 5.0000
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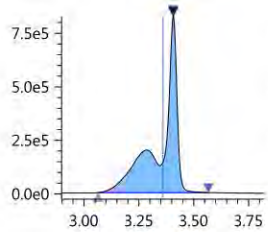
ISTD 216.90>172.15 (-) 8.28e5



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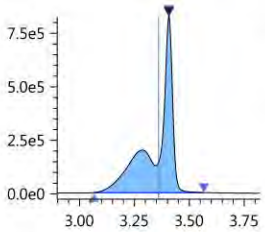

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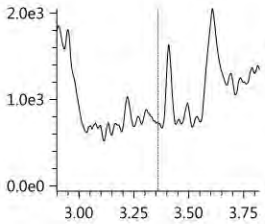
Conc ----
RT ---- Area ----
Q 213.00>169.10 (-) 2.05e3



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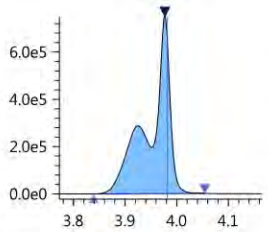

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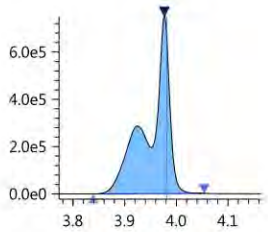

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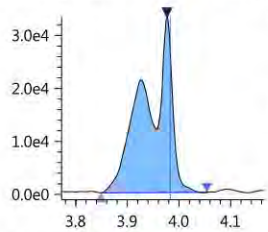

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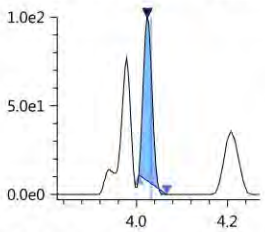
Q 299.00>80.00 (-) 1.00e2



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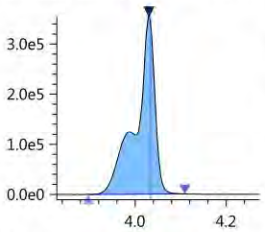

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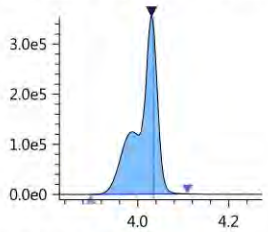

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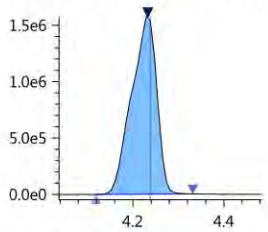

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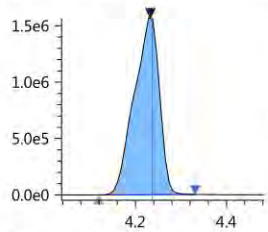

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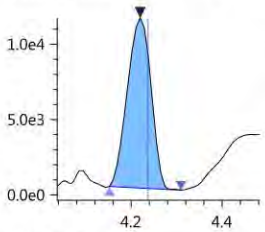

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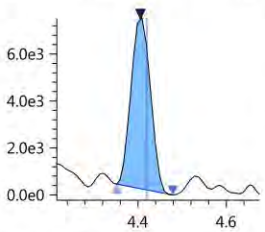

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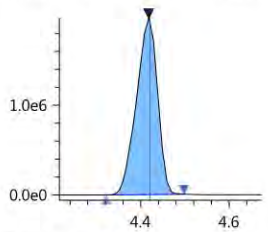

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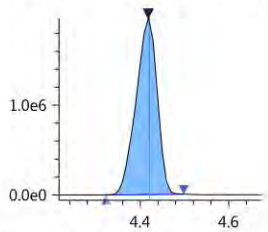

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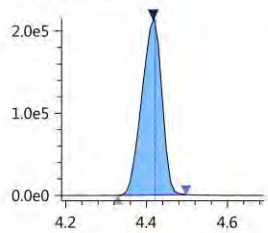
RT 4.417 Area 736765
ISTD 402.70>84.05 (-) 2.16e5



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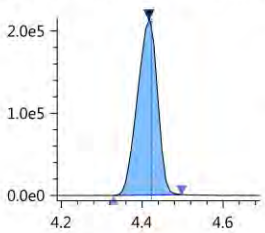

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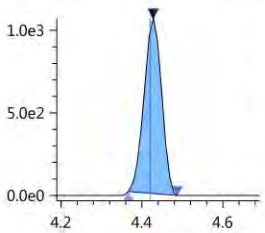
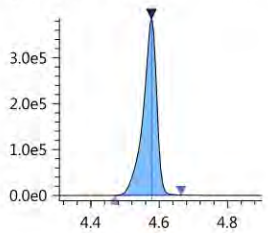


6_2-FTS-13C
Conc 6.1132
RT 4.577 Area 1057712
Q 428.90>409.00 (-) 3.86e5



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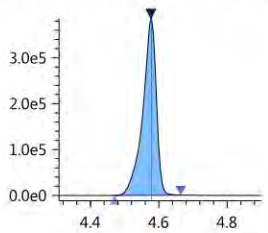

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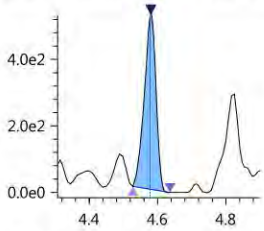

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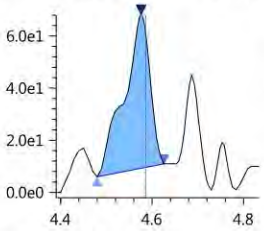

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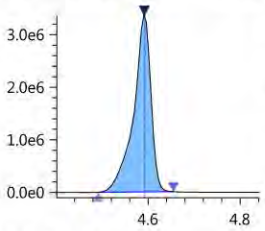

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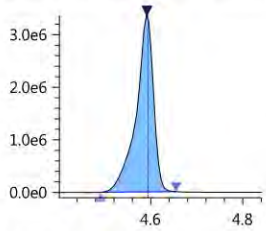

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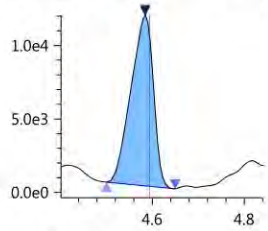
RT 4.584 Area 39455
Q 413.00>369.00 (-) 1.21e4



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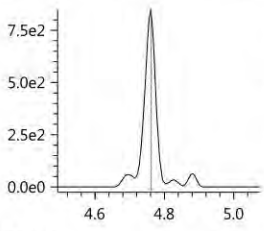
Conc ----
RT ---- Area ----
Q 499.00>80.00 (-) 8.49e2



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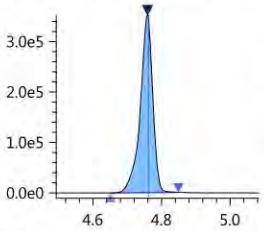

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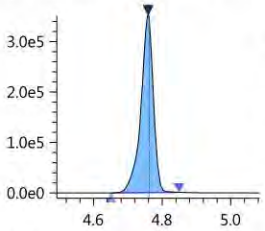

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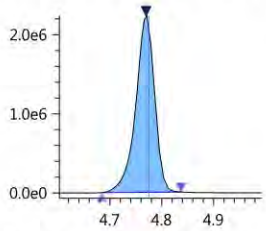
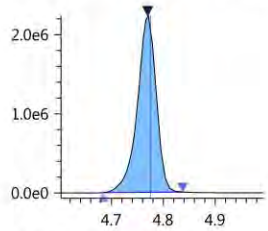
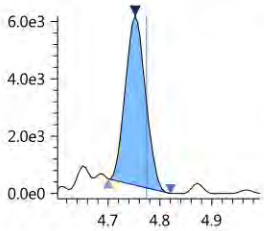
Conc 5.0000
RT 4.770 Area 5657233
ISTD 467.80>423.00 (-) 2.24e6



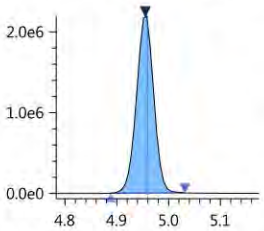
PFNA-13C
Conc 4.0095
RT 4.770 Area 5657233
Q 467.80>423.00 (-) 2.24e6



PFNA
Conc -0.0059
RT 4.752 Area 16002
Q 463.00>418.90 (-) 6.19e3



PFDA-13C_IS
Conc 5.0000
RT 4.955 Area 5095871
ISTD 514.80>469.95 (-) 2.19e6



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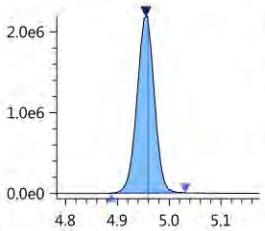
Q 514.80>469.95 (-) 2.19e6



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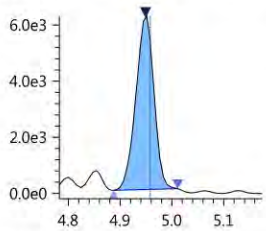
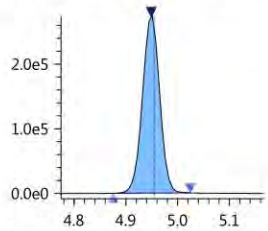
Conc 0.0145
RT 4.949 Area 15034
Q 513.00>468.80 (-) 6.32e3



8_2-FTS-13C_IS
Conc 5.0000
RT 4.949 Area 633338
ISTD 528.80>509.00 (-) 2.74e5



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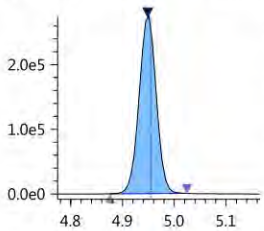
Conc 6.5888
RT 4.949 Area 633338
Q 528.80>509.00 (-) 2.74e5



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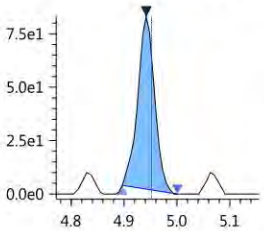

PFDS_1
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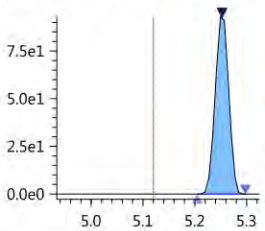
Q 599.00>79.90 (-) 9.30e1



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Conc -0.0071
RT 5.135 Area 22061
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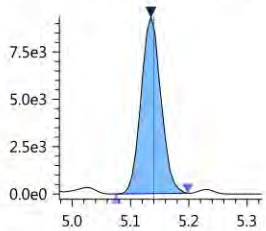

PFUnA-13C_IS
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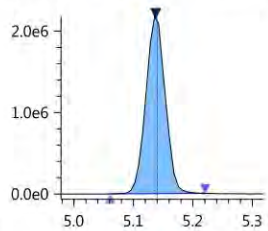
ISTD 564.80>519.95 (-) 2.18e6



Insight Report

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PFUnA-13C
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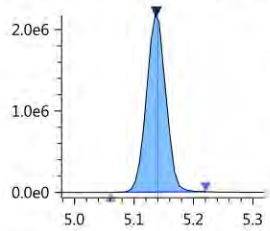
Q 564.80>519.95 (-) 2.18e6



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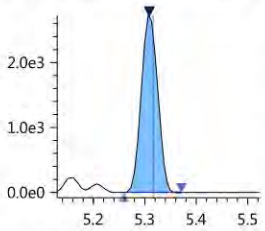
Conc -0.0062
RT 5.309 Area 6078
Q 613.05>569.00 (-) 2.73e3



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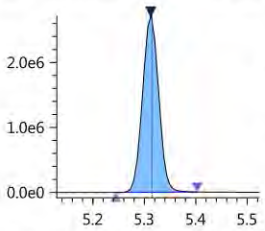
Q 614.80>569.95 (-) 2.73e6



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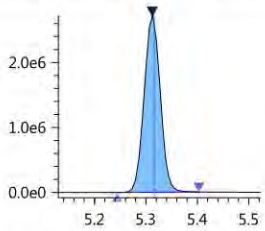
ISTD 614.80>569.95 (-) 2.73e6



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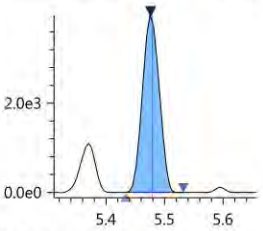
Conc -0.0002
RT 5.476 Area 7967
Q 663.00>618.90 (-) 3.97e3



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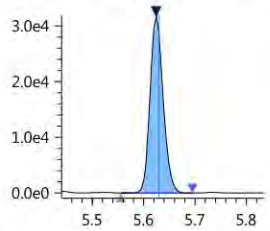
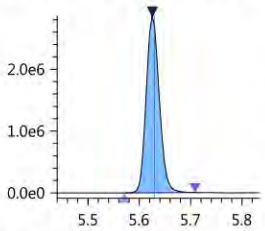
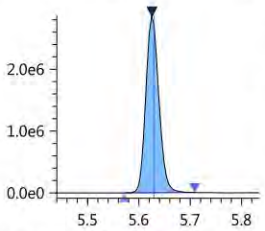
Conc 0.0168
RT 5.624 Area 56409
Q 713.40>669.00 (-) 3.18e4



PFTeDA-13C
Conc 4.3437
RT 5.625 Area 5052821
Q 714.70>669.90 (-) 2.87e6



PFTeDA-13C_IS
Conc 5.0000
RT 5.625 Area 5052821
ISTD 714.70>669.90 (-) 2.87e6



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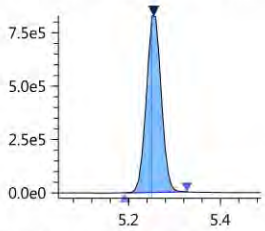
Conc 5.0000
RT 5.255 Area 1871892
ISTD 506.00>78.05 (-) 8.30e5



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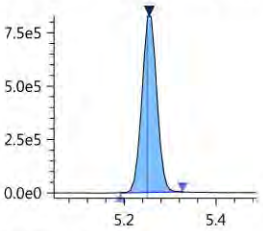

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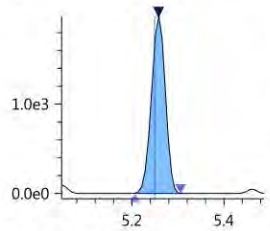

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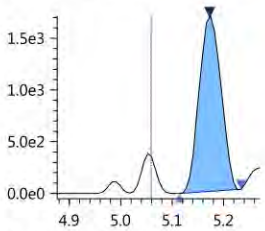

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Conc 5.7089
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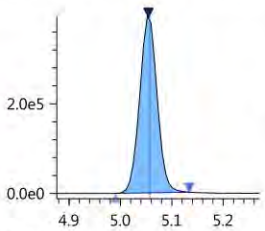
Q 572.80>419.05 (-) 3.95e5



N-MeFOSAA-d3_IS
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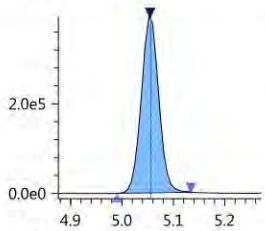
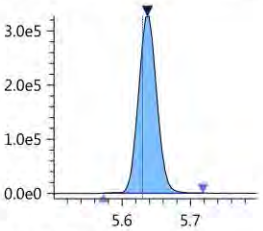
RT 5.054 Area 934032
ISTD 572.80>419.05 (-) 3.95e5



N-MeFOSA-d3_IS
Conc 5.0000
RT 5.637 Area 610562
ISTD 514.90>168.90 (-) 3.27e5



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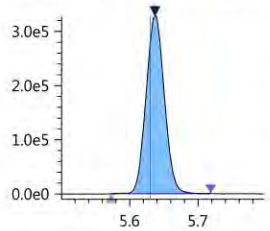
Conc 2.4949
RT 5.637 Area 610562
Q 514.90>168.90 (-) 3.27e5



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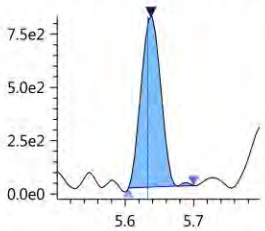
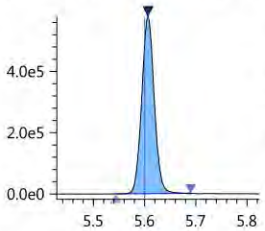
Conc 0.0077
RT 5.638 Area 1609
Q 512.00>169.10 (-) 8.32e2



N-MeFOSE-d7
Conc 2.7969
RT 5.606 Area 985438
Q 622.70>59.10 (-) 5.79e5



N-MeFOSE-d7_IS
Conc 5.0000
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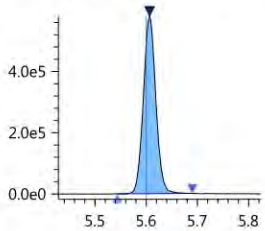
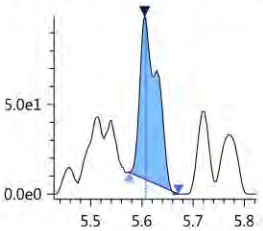
ISTD 622.70>59.10 (-) 5.79e5



N-MeFOSE
Conc 0.0009
RT 5.605 Area 214
Q 616.00>59.00 (-) 9.90e1



Insight Report

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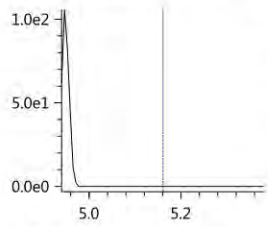
N-EtFOSAA
Conc ----
RT ---- Area ----
Q 584.20>418.95 (-) 1.06e2



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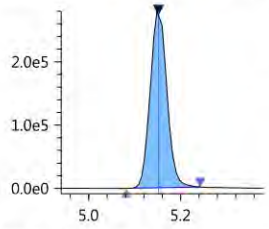

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Conc 4.8988
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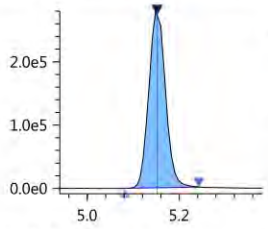
Q 588.80>419.00 (-) 2.80e5



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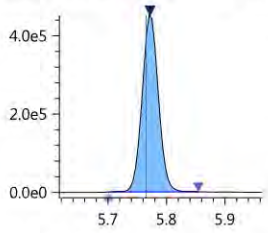
ISTD 530.90>169.15 (-) 4.53e5



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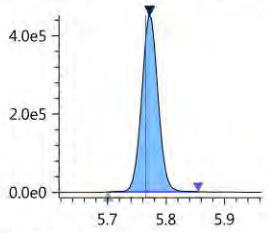
Q 530.90>169.15 (-) 4.53e5



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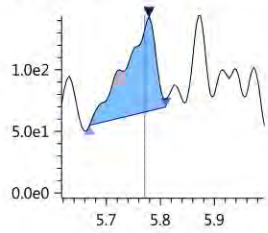
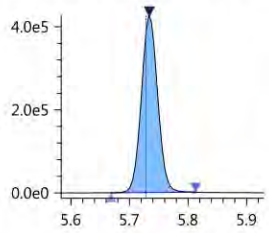
Conc 0.0086
RT 5.779 Area 306
Q 526.90>169.10 (-) 1.44e2



N-EtFOSE-d9_IS
Conc 5.0000
RT 5.734 Area 827502
ISTD 638.70>59.10 (-) 4.27e5



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Conc 2.8677
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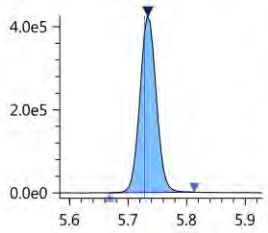
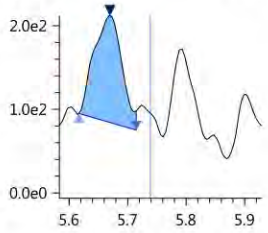
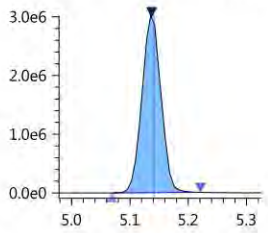
Q 638.70>59.10 (-) 4.27e5



N-EtFOSE
Conc 0.0020
RT 5.670 Area 422
Q 630.00>58.90 (-) 2.12e2



13C7-PFUnDA_IS
Conc 5.0000
RT 5.137 Area 6844398
ISTD 570.00>525.00 (-) 3.02e6



1st CM 06/21/19
2nd 06/24/19

Validation Report

Data File: J:\LCMS06\Data\190620_b2\190620_035
Lab ID: KQ1908479-01
RunType: LCS
Matrix: Water

Date Acquired: 6/20/19 19:16
Batch ID: 640215
Analysis Method: PFC/537M/PFOA

Validations

Validation Categories	Pass	Fail
Analytical Hold Time	X	
ICAL Analyte Recovery	X	
Second Source ICAL Verification	X	
Continuing Calibration Recovery		X
Internal Standards	X	
Surrogates	X	
Std MRL Unsupported by ICAL	X	
Above Highest ICAL Level	X	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Continuing Calibration Recovery	13C2-6:2 FTS	141	70	130	native ok
	D3-MeFOSAA	157	70	130	native ok
	13C8-FOSA	66	70	130	native ok
	13C2-8:2 FTS	169	70	130	native ok
	D5-EtFOSAA	146	70	130	native ok

Primary Review: _____

Secondary Review: _____

1st CM 06/21/19
2nd 06/24/19

Quantitation Report

Data File:	J:\LCMS06\Data\190620_b2\190620_035	**Instrument:**	K-LCMS-06
Acqu Date:	6/20/19 19:16	**Vial:**	4
Run Type:	LCS	**Dilution:**	1
Lab ID:	KQ1908479-01	**Raw Units:**	ng/mL

Bottle ID:		**Tier:**	IV	**Matrix:**	Water
Prod Code:	PFOA	**Collect Date:**	6/10/19	**Receive Date:**	6/12/19

Analysis Lot:	640215	**Prep Lot:**	338877	**Report Group:**	KQ1908479
Analysis	PFC/537M	**Prep Method:**	EPA 3535A		
		Prep Date:	6/18/19		

Title:	Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS	**Calibration ID:**	KC1900234
		Report List ID:	20091

Internal Standard Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	Area Criteria
13C7-PFUnDA	5.133	-0.01	6801391	5.0000	OK

Surrogate Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	% Rec	% Rec Criteria	Rpt?
13C3-PFBS	4.024	-0.01	1053098	2.2180	44	20 - 109	Y
18O2-PFHxS	4.411	-0.01	758185	3.1052	62	26 - 122	Y
13C4-PFOS	4.752	-0.01	858064	2.7997	56	25 - 121	Y
13C4-PFBA	3.400	-0.02	3942354	3.0364	61	27 - 124	Y
13C5-PFPeA	3.970	-0.01	2099008	2.6678	53	27 - 138	Y
13C2-PFHxA	4.229	-0.01	6531713	3.6828	74	28 - 132	Y
13C4-PFHpA	4.412	-0.01	6737983	3.9166	78	19 - 139	Y
13C4-PFOA	4.585	-0.01	8664329	4.1500	83	22 - 130	Y
13C5-PFNA	4.764	-0.01	5864217	4.1825	84	20 - 127	Y
13C2-PFDA	4.950	-0.01	4508140	3.4334	69	24 - 125	Y
13C2-PFUnDA	5.133	-0.01	4555003	4.2220	84	22 - 125	Y
13C2-PFDoDA	5.307	-0.01	4912629	3.2373	65	19 - 122	Y
13C2-PFTeDA	5.620	-0.01	6326983	5.4734	109	13 - 124	Y
13C8-FOSA	5.250	0.00	1639727	2.0385	41	18 - 109	Y
D3-MeFOSA	5.632	0.00	671034	2.7593	55	15 - 153	Y
D5-EtFOSA	5.767	0.00	900365	2.4964	50	25 - 107	Y
D7-MeFOSE	5.602	0.00	1057288	3.0198	60	24 - 112	Y
D9-EtFOSE	5.729	0.00	861179	3.0033	60	19 - 109	Y
D3-MeFOSAA	5.050	-0.01	901388	5.5442	111	9 - 123	Y
D5-EtFOSAA	5.146	-0.01	683420	4.7732	95	12 - 126	Y
13C2-6:2 FTS	4.571	-0.01	958719	5.5761	112	10 - 226	Y
13C2-8:2 FTS	4.944	-0.01	554242	5.8024	116	10 - 202	Y

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

1st CM 06/21/19
2nd 06/24/19

Data File:	J:\LCMS06\Data\190620_b2\190620_035	**Instrument:**	K-LCMS-06
Acqu Date:	6/20/19 19:16	**Vial:**	4
Run Type:	LCS	**Dilution:**	1
Lab ID:	KQ1908479-01	**Raw Units:**	ng/mL

Target Compounds

Final Conc.Units: ng/L

Parameter Name	RT	RT Dev	Response	Solution Conc	Final Conc	Q	Rpt?
Perfluorobutane sulfonic acid (PFBS)	4.023	-0.01	225921	0.9141	29.3		Y
Perfluorohexane sulfonic acid (PFHxS)	4.408	-0.01	177511	0.8655	27.7		Y
Perfluoroheptane sulfonic acid (PFHpS)	4.576	-0.01	223548	0.9091	29.1		Y
Perfluorooctane sulfonic acid (PFOS)	4.752	-0.01	114789	0.8015	25.6		Y
Perfluorodecane sulfonic acid (PFDS)	5.111	-0.01	119086	0.7720	24.7		Y
Perfluorobutanoic acid (PFBA)	3.401	-0.02	828497	1.0291	32.9		Y
Perfluoropentanoic acid (PFPeA)	3.971	-0.01	1108074	0.9735	31.2		Y
Perfluorohexanoic acid (PFHxA)	4.229	-0.01	1529365	1.0090	32.3		Y
Perfluoroheptanoic acid (PFHpA)	4.412	-0.01	1258130	0.9782	31.3		Y
Perfluorooctanoic acid (PFOA)	4.585	-0.01	1527064	0.9529	30.5		Y
Perfluorononanoic acid (PFNA)	4.764	-0.01	994954	0.9279	29.7		Y
Perfluorodecanoic acid (PFDA)	4.950	-0.01	932607	1.0162	32.5		Y
Perfluoroundecanoic acid (PFUnDA)	5.133	-0.01	766254	0.9463	30.3		Y
Perfluorododecanoic acid (PFDoDA)	5.307	-0.01	544183	0.8878	28.4		Y
Perfluorotridecanoic acid (PFTrDA)	5.470	-0.01	844124	0.6846	21.9		Y
Perfluorotetradecanoic acid (PFTeDA)	5.621	-0.01	515125	1.0517	33.7		Y
Perfluorooctane sulfonamide (FOSA)	5.250	0.00	427777	1.0194	32.6		Y
N-Methyl perfluorooctane sulfonamide (MeFOSA)	5.635	0.00	224583	0.9818	31.4		Y
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	5.772	-0.01	39865	1.0983	35.1		Y
N-Methyl perfluorooctane sulfonamidoethanol	5.609	0.00	260626	1.0312	33.0		Y
N-Ethyl perfluorooctane sulfonamidoethanol	5.740	0.00	217814	0.9675	31.0		Y
N-Methyl perfluorooctane sulfonamidoacetic acid	5.051	-0.01	131806	1.1018	35.3		Y
N-Ethyl perfluorooctane sulfonamidoacetic acid	5.150	-0.01	84396	0.9781	31.3		Y
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	4.570	-0.01	211488	0.8932	28.6		Y
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	4.944	-0.01	92361	1.0919	34.9		Y

Prep Amount:	250 mL	**Dilution:**	1
Prep Final Amount:	8.00 mL	**Basis Factor:**	100.00

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Insight Report

Printed at 6/21/2019 1:50:21 PM

190620_035

Sample ID: KQ1908479-01
Date acquired: 6/20/2019 7:16:42 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190620_b2\190620_035.lcd
Vial: 22 | Inj. Volume: 15.0000uL | Tray: 5

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
PFBA-13C_IS	Auto	3.400	3942354	3942354	2	5.0000	ng/mL	----
PFBA-13C	Auto	3.400	3942354	6801391	26	3.0364	ng/mL	----
PFBA	Auto	3.401	828497	3942354	2	1.0291	ng/mL	----
PFPeA-13C_IS	Auto	3.970	2099008	2099008	4	5.0000	ng/mL	----
PFPeA-13C	Auto	3.970	2099008	6801391	26	2.6678	ng/mL	----
PFPeA	Auto	3.971	1108074	2099008	4	0.9735	ng/mL	----
PFBS_1	Auto	4.023	225921	1053098	16	0.9141	ng/mL	----
PFBS-13C	Auto	4.024	1053098	6801391	26	2.2180	ng/mL	----
PFBS-13C_IS	Auto	4.024	1053098	1053098	16	5.0000	ng/mL	----
PFHxA-13C_IS	Auto	4.229	6531713	6531713	6	5.0000	ng/mL	----
PFHxA-13C	Auto	4.229	6531713	6801391	26	3.6828	ng/mL	----
PFHxA	Auto	4.229	1529365	6531713	6	1.0090	ng/mL	----
PFHpA	Auto	4.412	1258130	6737983	8	0.9782	ng/mL	----
PFHpA-13C_IS	Auto	4.412	6737983	6737983	8	5.0000	ng/mL	----
PFHpA-13C	Auto	4.412	6737983	6801391	26	3.9166	ng/mL	----
PFHxS-18O_IS	Auto	4.411	758185	758185	7	5.0000	ng/mL	----
PFHxS-18O	Auto	4.411	758185	6801391	26	3.1052	ng/mL	----
PFHxS_1	Auto	4.408	177511	758185	7	0.8655	ng/mL	----
6_2-FTS-13C	Auto	4.571	958719	6801391	26	5.5761	ng/mL	----
6_2-FTS-13C_IS	Auto	4.571	958719	958719	10	5.0000	ng/mL	----
6_2-FTS_1	Auto	4.570	211488	958719	10	0.8932	ng/mL	----
PFHpS_1	Auto	4.576	223548	758185	7	0.9091	ng/mL	----
PFOA-13C_IS	Auto	4.585	8664329	8664329	9	5.0000	ng/mL	----
PFOA-13C	Auto	4.585	8664329	6801391	26	4.1500	ng/mL	----
PFOA	Auto	4.585	1527064	8664329	9	0.9529	ng/mL	----
PFOS_1	Auto	4.752	114789	858064	13	0.8015	ng/mL	----
PFOS-13C_IS	Auto	4.752	858064	858064	13	5.0000	ng/mL	----
PFOS-13C	Auto	4.752	858064	6801391	26	2.7997	ng/mL	----
PFNA-13C_IS	Auto	4.764	5864217	5864217	11	5.0000	ng/mL	----
PFNA-13C	Auto	4.764	5864217	6801391	26	4.1825	ng/mL	----
PFNA	Auto	4.764	994954	5864217	11	0.9279	ng/mL	----
PFDA-13C_IS	Auto	4.950	4508140	4508140	12	5.0000	ng/mL	----
PFDA-13C	Auto	4.950	4508140	6801391	26	3.4334	ng/mL	----
PFDA	Auto	4.950	932607	4508140	12	1.0162	ng/mL	----
8_2-FTS-13C_IS	Auto	4.944	554242	554242	15	5.0000	ng/mL	----
8_2-FTS-13C	Auto	4.944	554242	6801391	26	5.8024	ng/mL	----
8_2-FTS_1	Auto	4.944	92361	554242	15	1.0919	ng/mL	----
PFDS_1	Auto	5.111	119086	858064	13	0.7720	ng/mL	----
PFUnA	Auto	5.133	766254	4555003	14	0.9463	ng/mL	----
PFUnA-13C_IS	Auto	5.133	4555003	4555003	14	5.0000	ng/mL	----
PFUnA-13C	Auto	5.133	4555003	6801391	26	4.2220	ng/mL	----
PFDoA	Auto	5.307	544183	4912629	17	0.8878	ng/mL	----
PFDoA-13C	Auto	5.307	4912629	6801391	26	3.2373	ng/mL	----
PFDoA-13C_IS	Auto	5.307	4912629	4912629	17	5.0000	ng/mL	----
PFTrDA	Auto	5.470	844124	6326983	22	0.6846	ng/mL	----
PFTeDA	Auto	5.621	515125	6326983	22	1.0517	ng/mL	----
PFTeDA-13C	Auto	5.620	6326983	6801391	26	5.4734	ng/mL	----
PFTeDA-13C_IS	Auto	5.620	6326983	6326983	22	5.0000	ng/mL	----
FOSA-13C_IS	Auto	5.250	1639727	1639727	18	5.0000	ng/mL	----
FOSA-13C	Auto	5.250	1639727	6801391	26	2.0385	ng/mL	----
FOSA	Auto	5.250	427777	1639727	18	1.0194	ng/mL	----
N-MeFOSAA	M	5.051	131806	901388	19	1.1018	ng/mL	----
N-MeFOSAA-d3	Auto	5.050	901388	6801391	26	5.5442	ng/mL	----
N-MeFOSAA-d3_IS	Auto	5.050	901388	901388	19	5.0000	ng/mL	----
N-MeFOSA-d3_IS	Auto	5.632	671034	671034	1	5.0000	ng/mL	----
N-MeFOSA-d3	Auto	5.632	671034	6801391	26	2.7593	ng/mL	----
N-MeFOSA	Auto	5.635	224583	671034	1	0.9818	ng/mL	----
N-MeFOSE-d7	Auto	5.602	1057288	6801391	26	3.0198	ng/mL	----
N-MeFOSE-d7_IS	Auto	5.602	1057288	1057288	20	5.0000	ng/mL	----
N-MeFOSE	Auto	5.609	260626	1057288	20	1.0312	ng/mL	----
N-EtFOSAA	M	5.150	84396	683420	21	0.9781	ng/mL	----
N-EtFOSAA-d5_IS	Auto	5.146	683420	683420	21	5.0000	ng/mL	----
N-EtFOSAA-d5	Auto	5.146	683420	6801391	26	4.7732	ng/mL	----
N-EtFOSA-d9_IS	Auto	5.767	900365	900365	23	5.0000	ng/mL	----
N-EtFOSA-d9	Auto	5.767	900365	6801391	26	2.4964	ng/mL	----
N-EtFOSA	Auto	5.772	39865	900365	23	1.0983	ng/mL	----
N-EtFOSE-d9_IS	Auto	5.729	861179	861179	24	5.0000	ng/mL	----
N-EtFOSE-d9	Auto	5.729	861179	6801391	26	3.0033	ng/mL	----

Insight Report

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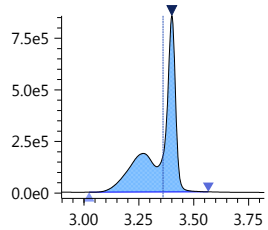
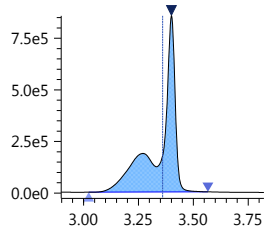
(Table continued from previous page)

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
N-EtFOSE	Auto	5.740	217814	861179	24	0.9675	ng/mL	----
13C7-PFUnDA_IS	Auto	5.133	6801391	6801391	26	5.0000	ng/mL	----

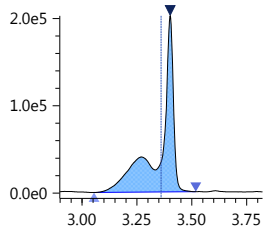
PFBA-13C_IS
Conc 5.0000
RT 3.400 Area 3942354
ISTD 216.90>172.15 (-) 8.59e5



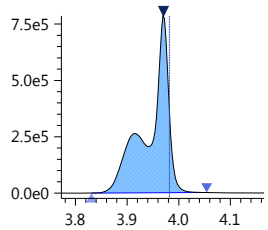
PFBA-13C
Conc 3.0364
RT 3.400 Area 3942354
Q 216.90>172.15 (-) 8.59e5



PFBA
Conc 1.0291
RT 3.401 Area 828497
Q 213.00>169.10 (-) 2.03e5



PFPeA-13C_IS
Conc 5.0000
RT 3.970 Area 2099008
ISTD 267.90>223.00 (-) 7.87e5



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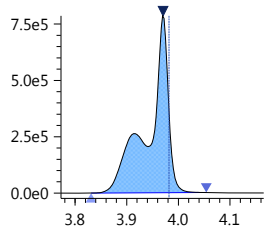
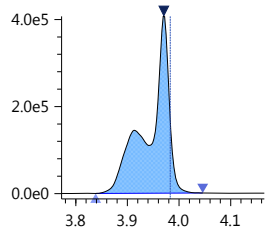
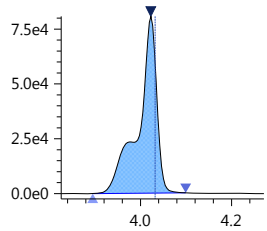
Conc 2.6678
RT 3.970 Area 2099008
Q 267.90>223.00 (-) 7.87e5



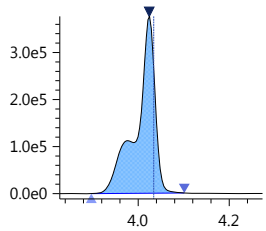
PFPeA
Conc 0.9735
RT 3.971 Area 1108074
Q 263.05>219.10 (-) 4.07e5



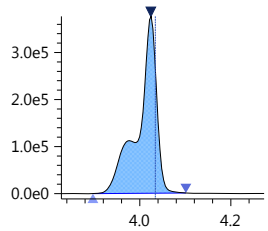
PFBS_1
Conc 0.9141
RT 4.023 Area 225921
Q 299.00>80.00 (-) 8.08e4



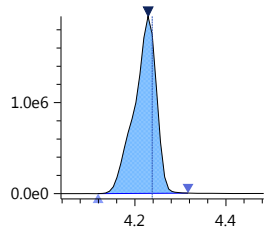
PFBS-13C
Conc 2.2180
RT 4.024 Area 1053098
Q 301.80>80.00 (-) 3.77e5



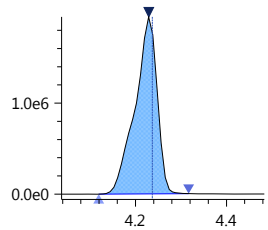
PFBS-13C_IS
Conc 5.0000
RT 4.024 Area 1053098
ISTD 301.80>80.00 (-) 3.77e5



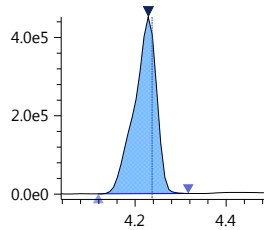
PFHxA-13C_IS
Conc 5.0000
RT 4.229 Area 6531713
ISTD 314.90>270.10 (-) 1.95e6



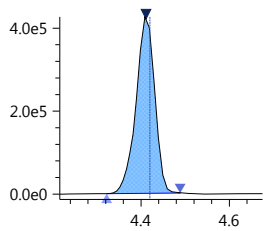
PFHxA-13C
Conc 3.6828
RT 4.229 Area 6531713
Q 314.90>270.10 (-) 1.95e6



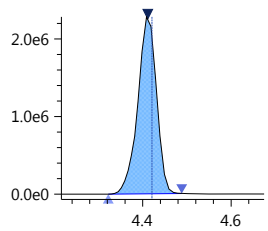
PFHxA
Conc 1.0090
RT 4.229 Area 1529365
Q 313.00>269.00 (-) 4.53e5



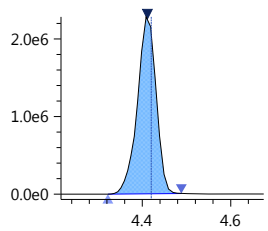
PFHpA
Conc 0.9782
RT 4.412 Area 1258130
Q 362.90>319.00 (-) 4.27e5



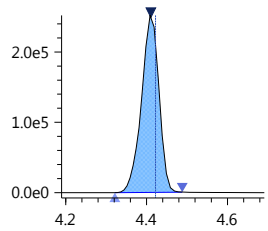
PFHpA-13C_IS
Conc 5.0000
RT 4.412 Area 6737983
ISTD 366.90>322.10 (-) 2.29e6



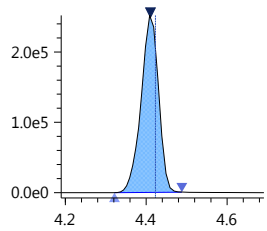
PFHpA-13C
Conc 3.9166
RT 4.412 Area 6737983
Q 366.90>322.10 (-) 2.29e6



PFHxS-18O_IS
Conc 5.0000
RT 4.411 Area 758185
ISTD 402.70>84.05 (-) 2.52e5



PFHxS-18O
Conc 3.1052
RT 4.411 Area 758185
Q 402.70>84.05 (-) 2.52e5



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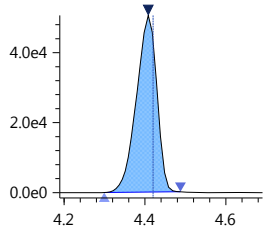
RT 4.408 Area 177511
Q 399.00>80.00 (-) 5.07e4



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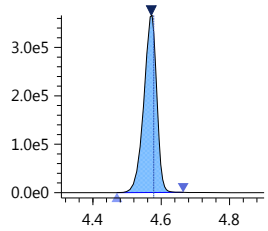
Conc 5.5761
RT 4.571 Area 958719
Q 428.90>409.00 (-) 3.66e5



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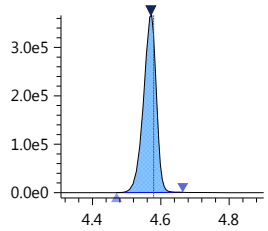
ISTD 428.90>409.00 (-) 3.66e5



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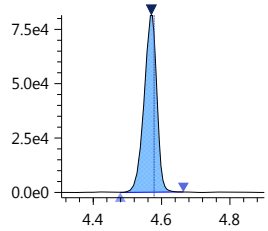
RT 4.570 Area 211488
Q 427.00>407.00 (-) 8.15e4



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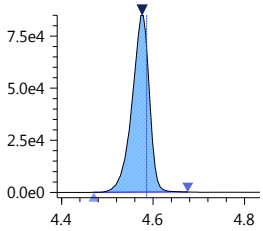

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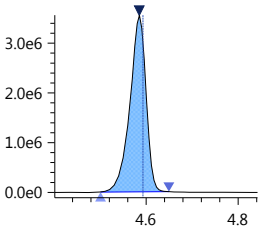
Conc 5.0000
RT 4.585 Area 8664329
ISTD 416.80>372.05 (-) 3.56e6



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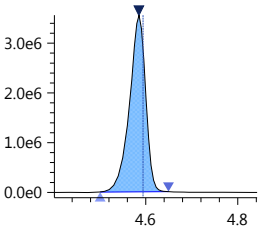

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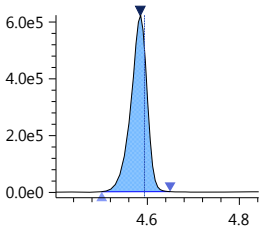

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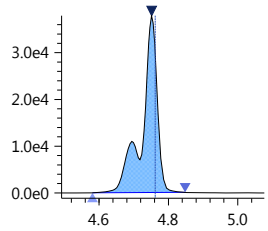
Q 499.00>80.00 (-) 3.79e4



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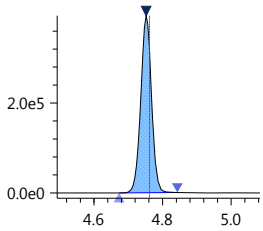

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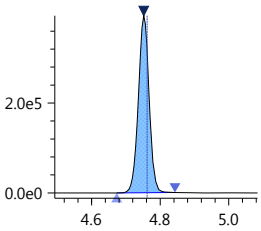

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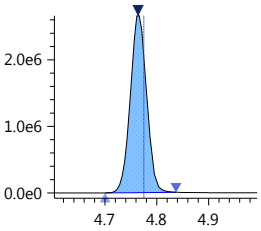
ISTD 467.80>423.00 (-) 2.66e6



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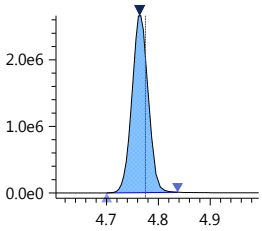

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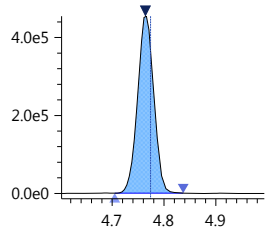

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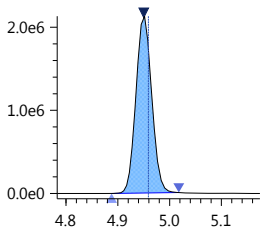

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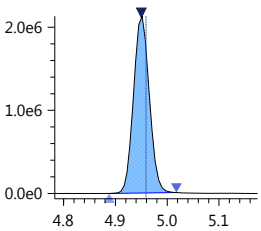

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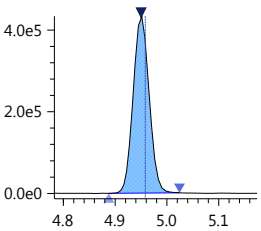

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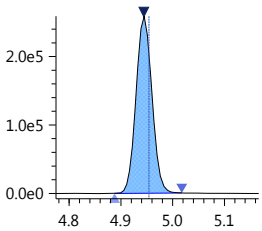

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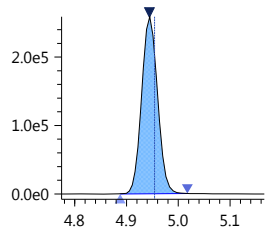
Q 528.80>509.00 (-) 2.59e5



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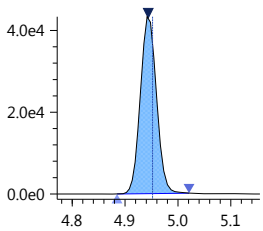
Q 527.10>506.90 (-) 4.34e4



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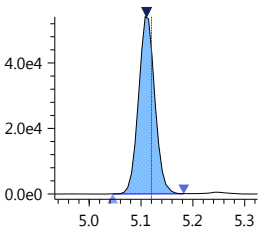

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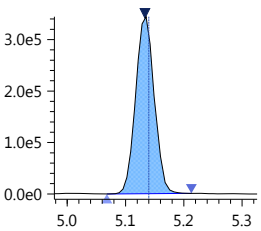
Q 563.00>518.90 (-) 3.44e5



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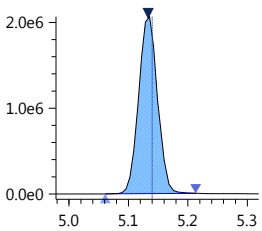

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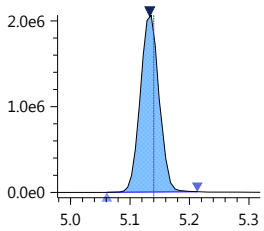

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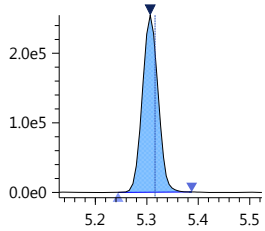

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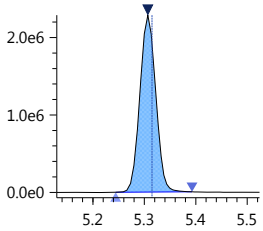
Q 614.80>569.95 (-) 2.29e6



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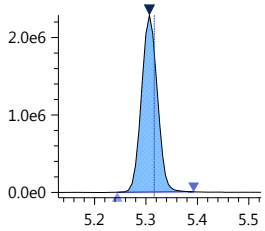

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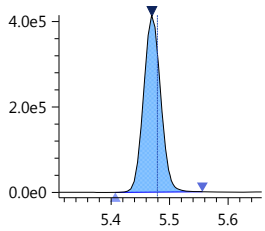

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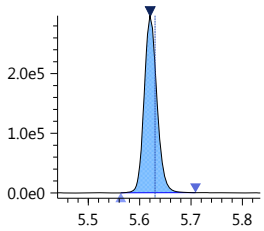
RT 5.621 Area 515125
Q 713.40>669.00 (-) 2.97e5



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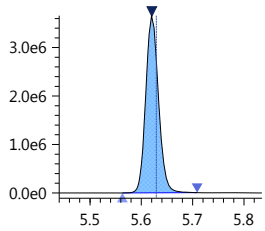
Q 714.70>669.90 (-) 3.66e6



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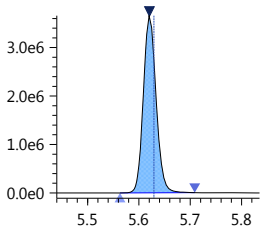
RT 5.620 Area 6326983
ISTD 714.70>669.90 (-) 3.66e6



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Conc 5.0000
RT 5.250 Area 1639727
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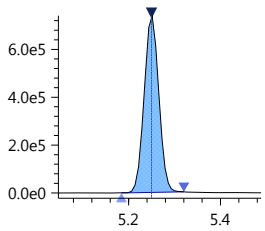

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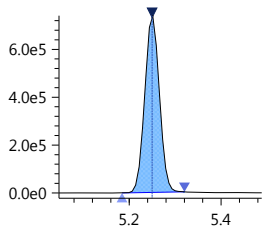

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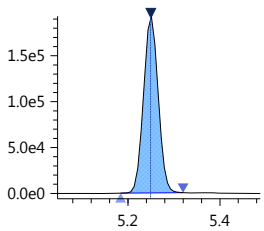
Q 498.20>78.00 (-) 1.93e5



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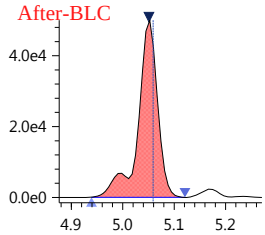
Conc 1.1018
RT 5.051 Area 131806
Q 570.20>419.00 (-) 5.00e4



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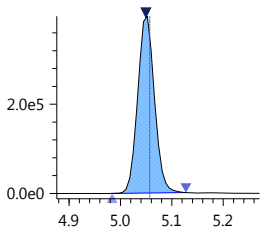
RT 5.050 Area 901388
Q 572.80>419.05 (-) 3.97e5



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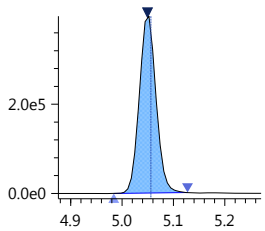
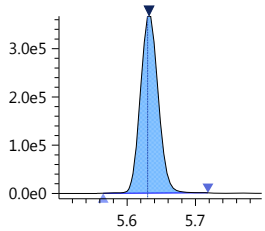


N-MeFOSA-d3_IS
Conc 5.0000
RT 5.632 Area 671034
ISTD 514.90>168.90 (-) 3.67e5



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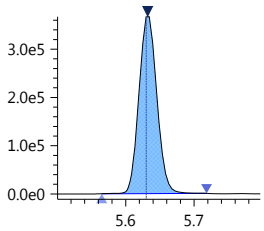
Q 514.90>168.90 (-) 3.67e5



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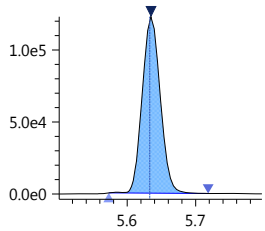
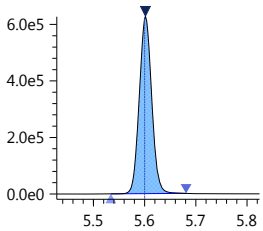
Conc 0.9818
RT 5.635 Area 224583
Q 512.00>169.10 (-) 1.23e5



N-MeFOSE-d7
Conc 3.0198
RT 5.602 Area 1057288
Q 622.70>59.10 (-) 6.27e5



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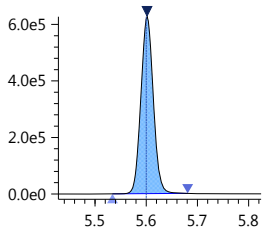
ISTD 622.70>59.10 (-) 6.27e5



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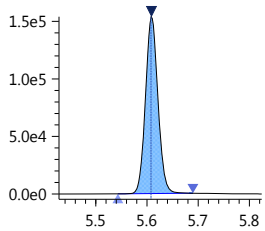
Conc 1.0312
RT 5.609 Area 260626
Q 616.00>59.00 (-) 1.54e5



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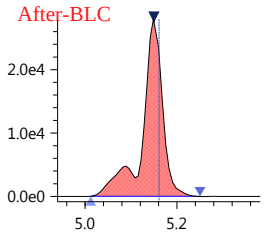
N-EtFOSAA
Conc 0.9781
RT 5.150 Area 84396
Q 584.20>418.95 (-) 2.80e4



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Conc 5.0000
RT 5.146 Area 683420
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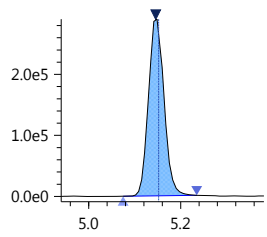

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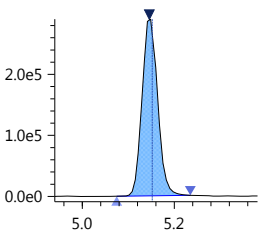

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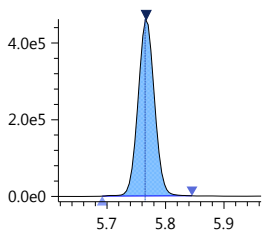
ISTD 530.90>169.15 (-) 4.62e5



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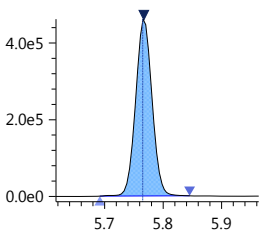

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RT 5.772 Area 39865
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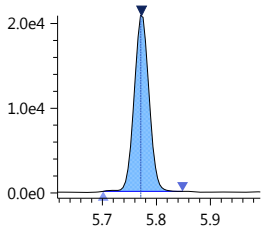

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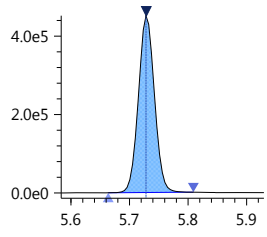
Conc 5.0000
RT 5.729 Area 861179
ISTD 638.70>59.10 (-) 4.52e5



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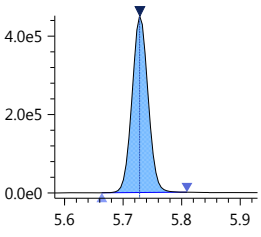

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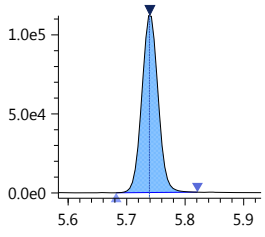

13C7-PFUnDA_IS
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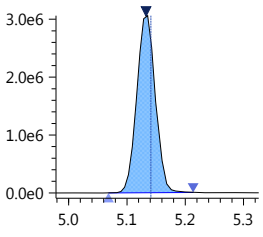

Insight Report

Printed at 6/21/2019 12:45:13 PM

190620_035

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Date acquired: 6/20/2019 7:16:42 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190620_b2\190620_035.lcd
Vial: 22 | Inj. Volume: 15.0000uL | Tray: 5

PFBA-13C_IS
Conc 5.0000
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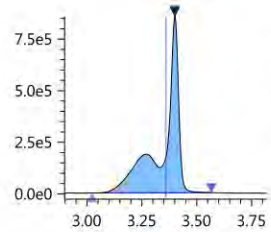

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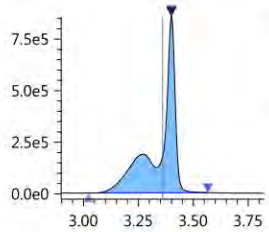

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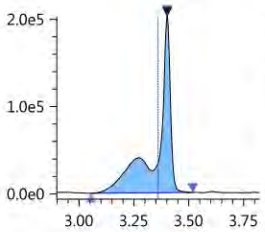

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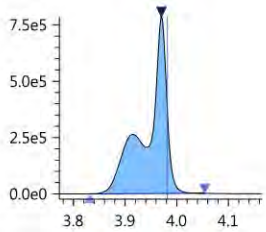

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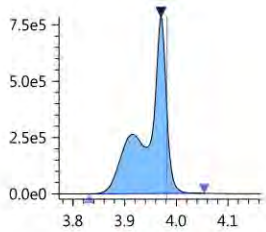

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Conc 0.9735
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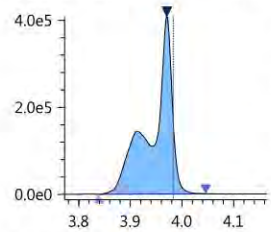

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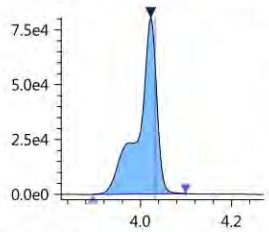
Q 299.00>80.00 (-) 8.08e4



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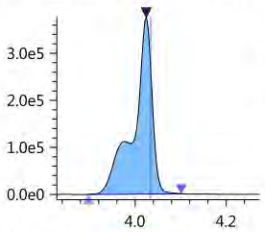
Conc 2.2180
RT 4.024 Area 1053098
Q 301.80>80.00 (-) 3.77e5



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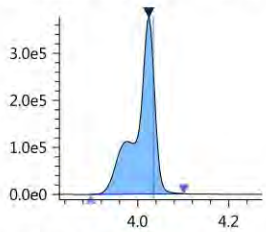

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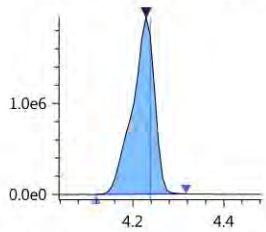

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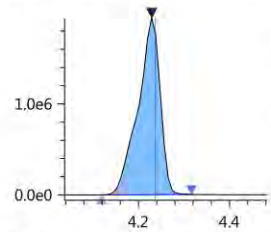

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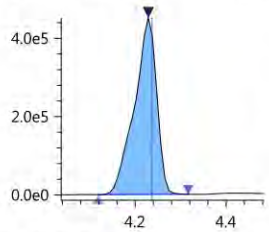

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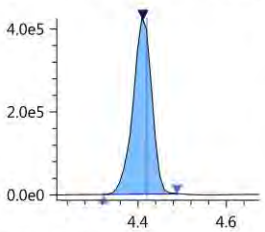

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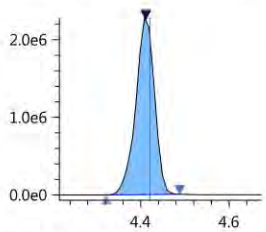

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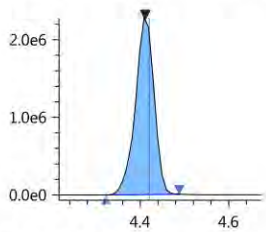

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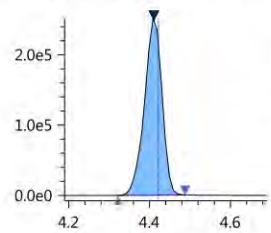
ISTD 402.70>84.05 (-) 2.52e5



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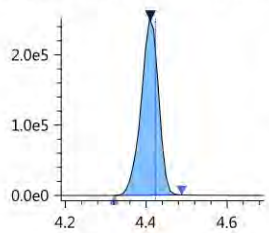

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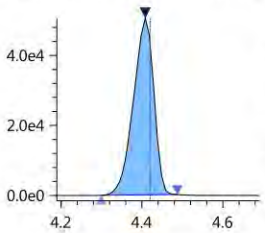

6_2-FTS-13C
Conc 5.5761
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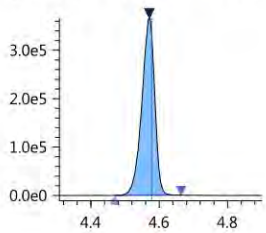
Q 428.90>409.00 (-) 3.66e5



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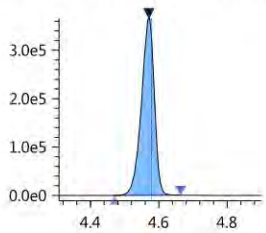

Insight Report

Printed at 6/21/2019 12:45:13 PM

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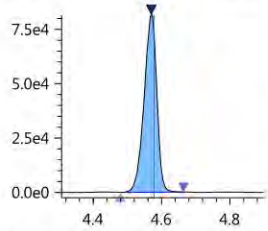
Q 427.00>407.00 (-) 8.15e4



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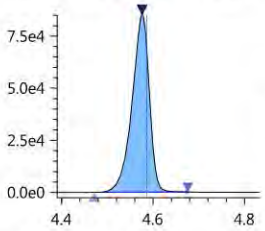

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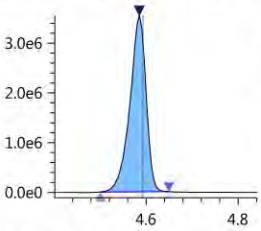

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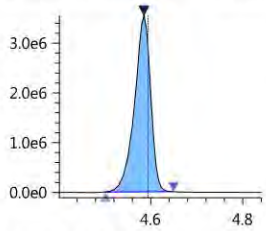

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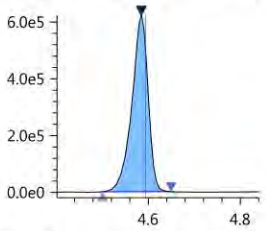

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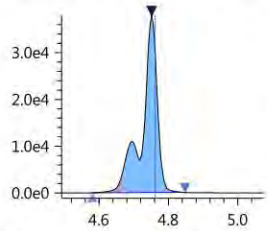

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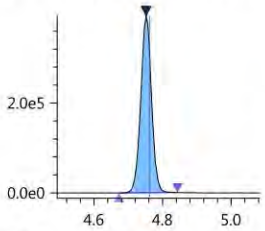

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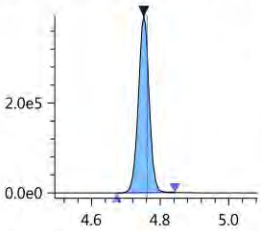

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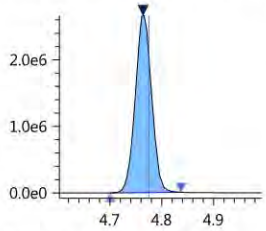
RT 4.764 Area 5864217
ISTD 467.80>423.00 (-) 2.66e6



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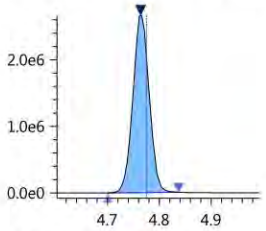

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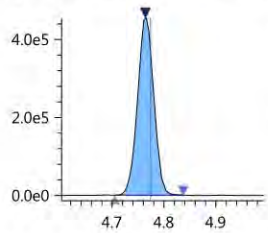

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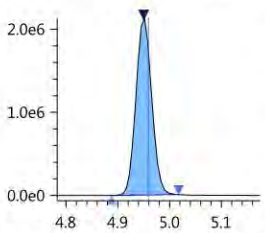

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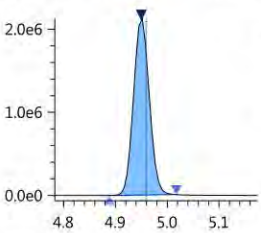

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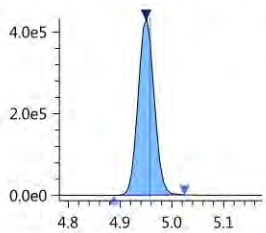
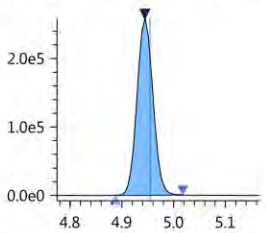
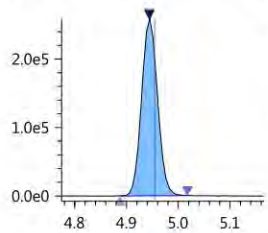


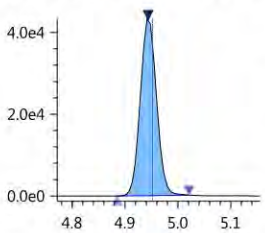
8_2-FTS-13C_IS
Conc 5.0000
RT 4.944 Area 554242
ISTD 528.80>509.00 (-) 2.59e5



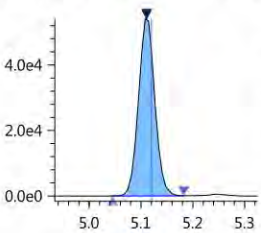
8_2-FTS-13C
Conc 5.8024
RT 4.944 Area 554242
Q 528.80>509.00 (-) 2.59e5



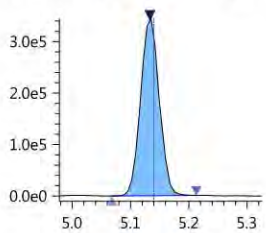
8_2-FTS_1
Conc 1.0919
RT 4.944 Area 92361
Q 527.10>506.90 (-) 4.34e4



PFDS_1
Conc 0.7720
RT 5.111 Area 119086
Q 599.00>79.90 (-) 5.41e4



PFUnA
Conc 0.9463
RT 5.133 Area 766254
Q 563.00>518.90 (-) 3.44e5



PFUnA-13C_IS
Conc 5.0000
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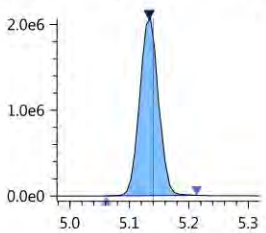
ISTD 564.80>519.95 (-) 2.07e6



Insight Report

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PFUnA-13C
Conc 4.2220
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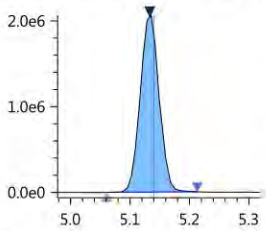
Q 564.80>519.95 (-) 2.07e6



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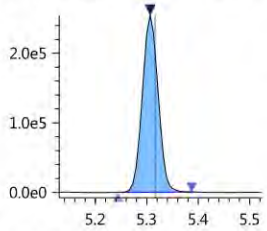
Conc 0.8878
RT 5.307 Area 544183
Q 613.05>569.00 (-) 2.55e5



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Conc 3.2373
RT 5.307 Area 4912629
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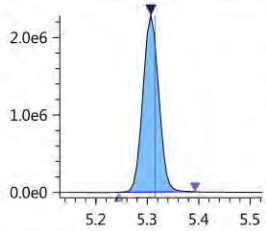
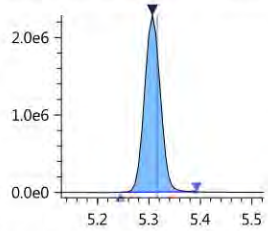
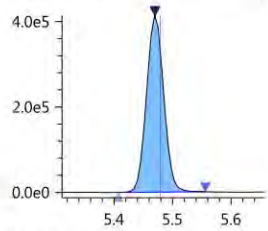


PFDoA-13C_IS
Conc 5.0000
RT 5.307 Area 4912629
ISTD 614.80>569.95 (-) 2.29e6



PFTrDA
Conc 0.6846
RT 5.470 Area 844124
Q 663.00>618.90 (-) 4.15e5



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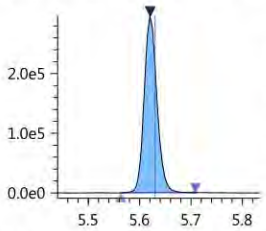
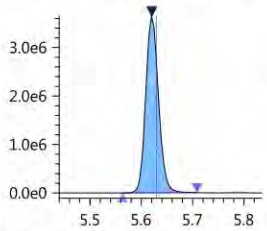
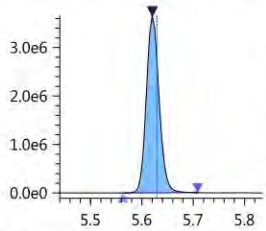
Conc 1.0517
RT 5.621 Area 515125
Q 713.40>669.00 (-) 2.97e5



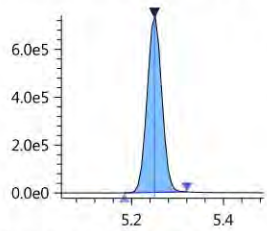
PFTeDA-13C
Conc 5.4734
RT 5.620 Area 6326983
Q 714.70>669.90 (-) 3.66e6



PFTeDA-13C_IS
Conc 5.0000
RT 5.620 Area 6326983
ISTD 714.70>669.90 (-) 3.66e6



FOSA-13C_IS
Conc 5.0000
RT 5.250 Area 1639727
ISTD 506.00>78.05 (-) 7.41e5



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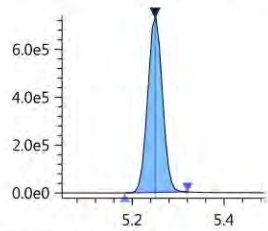
Q 506.00>78.05 (-) 7.41e5



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RT 5.250 Area 427777
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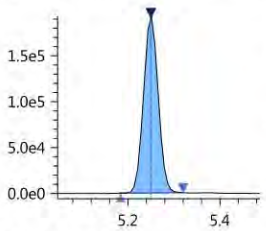
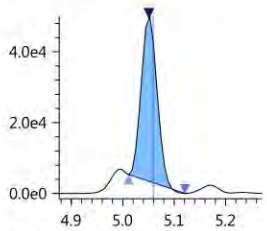
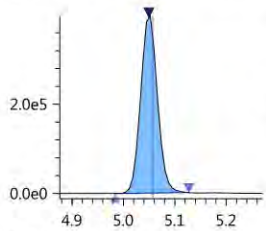


N-MeFOSAA
Conc 0.8327
RT 5.051 Area 99611
Q 570.20>419.00 (-) 5.00e4



N-MeFOSAA-d3
Conc 5.5442
RT 5.050 Area 901388
Q 572.80>419.05 (-) 3.97e5



N-MeFOSAA-d3_IS
Conc 5.0000
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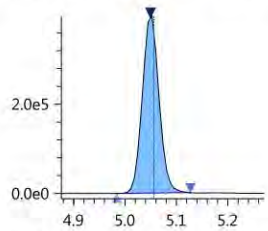
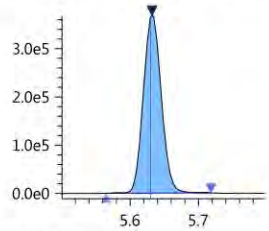
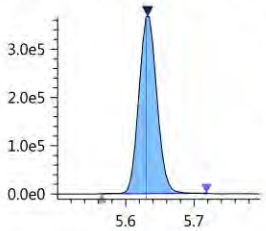
ISTD 572.80>419.05 (-) 3.97e5



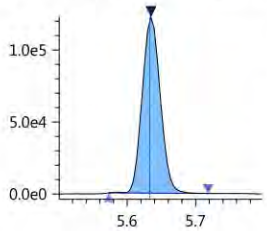
N-MeFOSA-d3_IS
Conc 5.0000
RT 5.632 Area 671034
ISTD 514.90>168.90 (-) 3.67e5



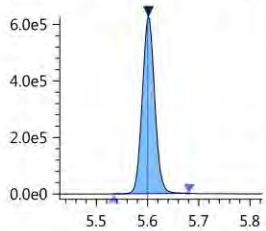
N-MeFOSA-d3
Conc 2.7593
RT 5.632 Area 671034
Q 514.90>168.90 (-) 3.67e5



N-MeFOSA
Conc 0.9818
RT 5.635 Area 224583
Q 512.00>169.10 (-) 1.23e5



N-MeFOSE-d7
Conc 3.0198
RT 5.602 Area 1057288
Q 622.70>59.10 (-) 6.27e5



N-MeFOSE-d7_IS
Conc 5.0000
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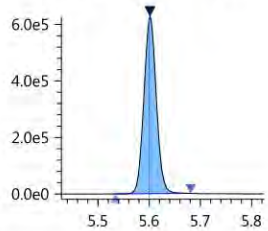
ISTD 622.70>59.10 (-) 6.27e5



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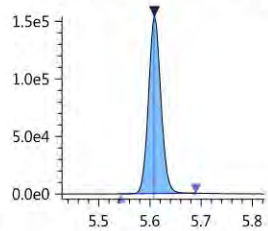
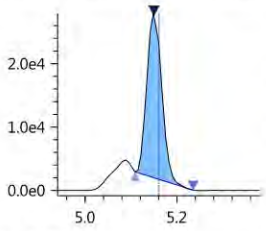
Conc 1.0312
RT 5.609 Area 260626
Q 616.00>59.00 (-) 1.54e5



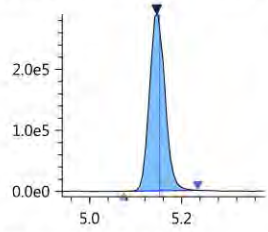
Insight Report

Printed at 6/21/2019 12:45:13 PM

N-EtFOSAA
Conc 0.6800
RT 5.150 Area 58678
Q 584.20>418.95 (-) 2.80e4



N-EtFOSAA-d5_IS
Conc 5.0000
RT 5.146 Area 683420
ISTD 588.80>419.00 (-) 2.91e5



N-EtFOSAA-d5
Conc 4.7732
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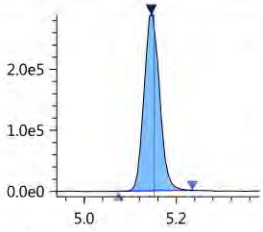
Q 588.80>419.00 (-) 2.91e5



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Conc 5.0000
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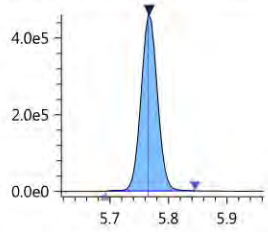

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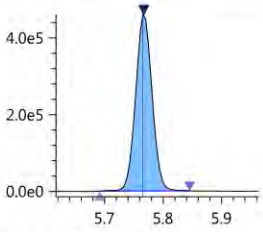

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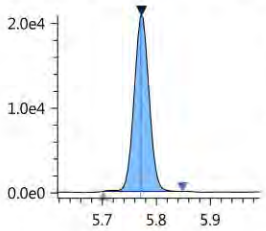
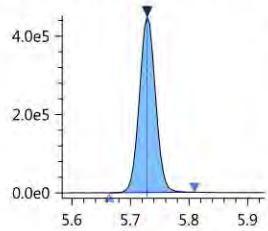
Conc 1.0983
RT 5.772 Area 39865
Q 526.90>169.10 (-) 2.09e4



N-EtFOSE-d9_IS
Conc 5.0000
RT 5.729 Area 861179
ISTD 638.70>59.10 (-) 4.52e5



N-EtFOSE-d9
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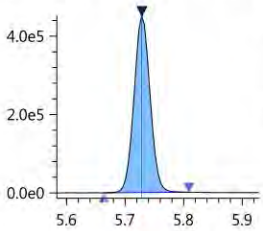

N-EtFOSE
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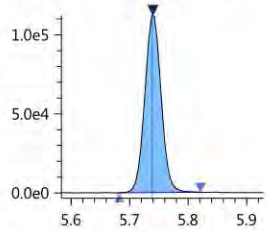
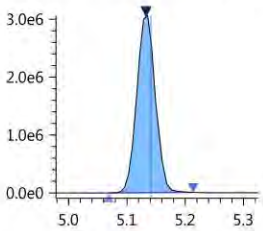
RT 5.740 Area 217814
Q 630.00>58.90 (-) 1.12e5



13C7-PFUnDA_IS
Conc 5.0000
RT 5.133 Area 6801391
ISTD 570.00>525.00 (-) 3.06e6



1st CM 06/21/19
2nd 06/24/19

Validation Report

Data File: J:\LCMS06\Data\190620_b2\190620_036
Lab ID: KQ1908479-02
RunType: DLCS
Matrix: Water

Date Acquired: 6/20/19 19:27
Batch ID: 640215
Analysis Method: PFC/537M/PFOA

Validations

Validation Categories	Pass	Fail
Analytical Hold Time	X	
ICAL Analyte Recovery	X	
Second Source ICAL Verification	X	
Continuing Calibration Recovery		X
Internal Standards	X	
Surrogates	X	
Std MRL Unsupported by ICAL	X	
Above Highest ICAL Level	X	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Continuing Calibration Recovery	13C2-6:2 FTS	141	70	130	native ok
	D3-MeFOSAA	157	70	130	native ok
	13C8-FOSA	66	70	130	native ok
	13C2-8:2 FTS	169	70	130	native ok
	D5-EtFOSAA	146	70	130	native ok

Primary Review: _____

Secondary Review: _____

1st CM 06/21/19
2nd 06/24/19

Quantitation Report

Data File:	J:\LCMS06\Data\190620_b2\190620_036	**Instrument:**	K-LCMS-06
Acqu Date:	6/20/19 19:27	**Vial:**	5
Run Type:	DLCS	**Dilution:**	1
Lab ID:	KQ1908479-02	**Raw Units:**	ng/mL

Bottle ID:		**Tier:**	IV	**Matrix:**	Water
Prod Code:	PFOA	**Collect Date:**	6/10/19	**Receive Date:**	6/12/19

Analysis Lot:	640215	**Prep Lot:**	338877	**Report Group:**	KQ1908479
Analysis	PFC/537M	**Prep Method:**	EPA 3535A		
		Prep Date:	6/18/19		

Title:	Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS	**Calibration ID:**	KC1900234
		Report List ID:	20091

Internal Standard Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	Area Criteria
13C7-PFUnDA	5.134	-0.01	7032506	5.0000	OK

Surrogate Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	% Rec	% Rec Criteria	Rpt?
13C3-PFBS	4.024	-0.01	1015371	2.0682	41	20 - 109	Y
18O2-PFHxS	4.412	-0.01	772595	3.0602	61	26 - 122	Y
13C4-PFOS	4.753	-0.01	862588	2.7220	54	25 - 121	Y
13C4-PFBA	3.398	-0.02	4006671	2.9845	60	27 - 124	Y
13C5-PFPeA	3.970	-0.01	2085636	2.5637	51	27 - 138	Y
13C2-PFHxA	4.229	-0.01	6507061	3.5483	71	28 - 132	Y
13C4-PFHpA	4.412	-0.01	6826884	3.8378	77	19 - 139	Y
13C4-PFOA	4.585	-0.01	8832035	4.0913	82	22 - 130	Y
13C5-PFNA	4.765	-0.01	5764076	3.9760	80	20 - 127	Y
13C2-PFDA	4.951	-0.01	4657862	3.4309	69	24 - 125	Y
13C2-PFUnDA	5.134	-0.01	5092167	4.5647	91	22 - 125	Y
13C2-PFDoDA	5.308	-0.01	5519292	3.5175	70	19 - 122	Y
13C2-PFTeDA	5.621	-0.01	6236272	5.2176	104	13 - 124	Y
13C8-FOSA	5.251	0.00	1769280	2.1272	43	18 - 109	Y
D3-MeFOSA	5.633	0.00	726343	2.8886	58	15 - 153	Y
D5-EtFOSA	5.767	0.00	1004381	2.6933	54	25 - 107	Y
D7-MeFOSE	5.602	0.00	1158065	3.1989	64	24 - 112	Y
D9-EtFOSE	5.729	0.00	957893	3.2308	65	19 - 109	Y
D3-MeFOSAA	5.051	-0.01	949410	5.6476	113	9 - 123	Y
D5-EtFOSAA	5.147	-0.01	752944	5.0860	102	12 - 126	Y
13C2-6:2 FTS	4.570	-0.01	973910	5.4783	110	10 - 226	Y
13C2-8:2 FTS	4.945	-0.01	562930	5.6996	114	10 - 202	Y

1st CM 06/21/19
2nd 06/24/19

Data File:	J:\LCMS06\Data\190620_b2\190620_036	**Instrument:**	K-LCMS-06
Acqu Date:	6/20/19 19:27	**Vial:**	5
Run Type:	DLCS	**Dilution:**	1
Lab ID:	KQ1908479-02	**Raw Units:**	ng/mL

Target Compounds

Final Conc.Units: ng/L

Parameter Name	RT	RT Dev	Response	Solution Conc	Final Conc	Q	Rpt?
Perfluorobutane sulfonic acid (PFBS)	4.022	-0.01	228655	0.9596	30.7		Y
Perfluorohexane sulfonic acid (PFHxS)	4.408	-0.01	180373	0.8629	27.6		Y
Perfluoroheptane sulfonic acid (PFHpS)	4.576	-0.01	222528	0.8881	28.4		Y
Perfluorooctane sulfonic acid (PFOS)	4.753	-0.01	117062	0.8131	26.0		Y
Perfluorodecane sulfonic acid (PFDS)	5.112	-0.01	129994	0.8383	26.8		Y
Perfluorobutanoic acid (PFBA)	3.399	-0.02	836965	1.0230	32.7		Y
Perfluoropentanoic acid (PFPeA)	3.970	-0.01	1098602	0.9711	31.1		Y
Perfluorohexanoic acid (PFHxA)	4.229	-0.01	1508666	0.9988	32.0		Y
Perfluoroheptanoic acid (PFHpA)	4.412	-0.01	1266016	0.9714	31.1		Y
Perfluorooctanoic acid (PFOA)	4.585	-0.01	1530392	0.9365	30.0		Y
Perfluorononanoic acid (PFNA)	4.765	-0.01	945359	0.8963	28.7		Y
Perfluorodecanoic acid (PFDA)	4.951	-0.01	884255	0.9325	29.8		Y
Perfluoroundecanoic acid (PFUnDA)	5.134	-0.01	850287	0.9390	30.0		Y
Perfluorododecanoic acid (PFDoDA)	5.308	-0.01	657028	0.9551	30.6		Y
Perfluorotridecanoic acid (PFTrDA)	5.470	-0.01	959265	0.7906	25.3		Y
Perfluorotetradecanoic acid (PFTeDA)	5.621	-0.01	494274	1.0199	32.6		Y
Perfluorooctane sulfonamide (FOSA)	5.251	0.00	427463	0.9441	30.2		Y
N-Methyl perfluorooctane sulfonamide (MeFOSA)	5.635	0.00	239845	0.9686	31.0		Y
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	5.773	0.00	41851	1.0336	33.1		Y
N-Methyl perfluorooctane sulfonamidoethanol	5.609	0.00	273540	0.9881	31.6		Y
N-Ethyl perfluorooctane sulfonamidoethanol	5.740	0.00	235974	0.9423	30.2		Y
N-Methyl perfluorooctane sulfonamidoacetic acid	5.053	-0.01	135681	1.0768	34.5		Y
N-Ethyl perfluorooctane sulfonamidoacetic acid	5.150	-0.01	84869	0.8927	28.6		Y
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	4.570	-0.01	212806	0.8848	28.3		Y
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	4.944	-0.01	94928	1.1050	35.4		Y

Prep Amount:	250 mL	**Dilution:**	1
Prep Final Amount:	8.00 mL	**Basis Factor:**	100.00

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Insight Report

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190620_036

Sample ID: KQ1908479-02
Date acquired: 6/20/2019 7:27:11 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190620_b2\190620_036.lcd
Vial: 23 | Inj. Volume: 15.0000uL | Tray: 5

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
PFBA-13C_IS	Auto	3.398	4006671	4006671	2	5.0000	ng/mL	----
PFBA-13C	Auto	3.398	4006671	7032506	26	2.9845	ng/mL	----
PFBA	Auto	3.399	836965	4006671	2	1.0230	ng/mL	----
PFPeA-13C_IS	Auto	3.970	2085636	2085636	4	5.0000	ng/mL	----
PFPeA-13C	Auto	3.970	2085636	7032506	26	2.5637	ng/mL	----
PFPeA	Auto	3.970	1098602	2085636	4	0.9711	ng/mL	----
PFBS_1	Auto	4.022	228655	1015371	16	0.9596	ng/mL	----
PFBS-13C	Auto	4.024	1015371	7032506	26	2.0682	ng/mL	----
PFBS-13C_IS	Auto	4.024	1015371	1015371	16	5.0000	ng/mL	----
PFHxA-13C_IS	Auto	4.229	6507061	6507061	6	5.0000	ng/mL	----
PFHxA-13C	Auto	4.229	6507061	7032506	26	3.5483	ng/mL	----
PFHxA	Auto	4.229	1508666	6507061	6	0.9988	ng/mL	----
PFHpA	Auto	4.412	1266016	6826884	8	0.9714	ng/mL	----
PFHpA-13C_IS	Auto	4.412	6826884	6826884	8	5.0000	ng/mL	----
PFHpA-13C	Auto	4.412	6826884	7032506	26	3.8378	ng/mL	----
PFHxS-18O_IS	Auto	4.412	772595	772595	7	5.0000	ng/mL	----
PFHxS-18O	Auto	4.412	772595	7032506	26	3.0602	ng/mL	----
PFHxS_1	Auto	4.408	180373	772595	7	0.8629	ng/mL	----
6_2-FTS-13C	Auto	4.570	973910	7032506	26	5.4783	ng/mL	----
6_2-FTS-13C_IS	Auto	4.570	973910	973910	10	5.0000	ng/mL	----
6_2-FTS_1	Auto	4.570	212806	973910	10	0.8848	ng/mL	----
PFHpS_1	Auto	4.576	222528	772595	7	0.8881	ng/mL	----
PFOA-13C_IS	Auto	4.585	8832035	8832035	9	5.0000	ng/mL	----
PFOA-13C	Auto	4.585	8832035	7032506	26	4.0913	ng/mL	----
PFOA	Auto	4.585	1530392	8832035	9	0.9365	ng/mL	----
PFOS_1	Auto	4.753	117062	862588	13	0.8131	ng/mL	----
PFOS-13C_IS	Auto	4.753	862588	862588	13	5.0000	ng/mL	----
PFOS-13C	Auto	4.753	862588	7032506	26	2.7220	ng/mL	----
PFNA-13C_IS	Auto	4.765	5764076	5764076	11	5.0000	ng/mL	----
PFNA-13C	Auto	4.765	5764076	7032506	26	3.9760	ng/mL	----
PFNA	Auto	4.765	945359	5764076	11	0.8963	ng/mL	----
PFDA-13C_IS	Auto	4.951	4657862	4657862	12	5.0000	ng/mL	----
PFDA-13C	Auto	4.951	4657862	7032506	26	3.4309	ng/mL	----
PFDA	Auto	4.951	884255	4657862	12	0.9325	ng/mL	----
8_2-FTS-13C_IS	Auto	4.945	562930	562930	15	5.0000	ng/mL	----
8_2-FTS-13C	Auto	4.945	562930	7032506	26	5.6996	ng/mL	----
8_2-FTS_1	Auto	4.944	94928	562930	15	1.1050	ng/mL	----
PFDS_1	Auto	5.112	129994	862588	13	0.8383	ng/mL	----
PFUnA	Auto	5.134	850287	5092167	14	0.9390	ng/mL	----
PFUnA-13C_IS	Auto	5.134	5092167	5092167	14	5.0000	ng/mL	----
PFUnA-13C	Auto	5.134	5092167	7032506	26	4.5647	ng/mL	----
PFDoA	Auto	5.308	657028	5519292	17	0.9551	ng/mL	----
PFDoA-13C	Auto	5.308	5519292	7032506	26	3.5175	ng/mL	----
PFDoA-13C_IS	Auto	5.308	5519292	5519292	17	5.0000	ng/mL	----
PFTrDA	Auto	5.470	959265	6236272	22	0.7906	ng/mL	----
PFTeDA	Auto	5.621	494274	6236272	22	1.0199	ng/mL	----
PFTeDA-13C	Auto	5.621	6236272	7032506	26	5.2176	ng/mL	----
PFTeDA-13C_IS	Auto	5.621	6236272	6236272	22	5.0000	ng/mL	----
FOSA-13C_IS	Auto	5.251	1769280	1769280	18	5.0000	ng/mL	----
FOSA-13C	Auto	5.251	1769280	7032506	26	2.1272	ng/mL	----
FOSA	Auto	5.251	427463	1769280	18	0.9441	ng/mL	----
N-MeFOSAA	Auto	5.053	135681	949410	19	1.0768	ng/mL	----
N-MeFOSAA-d3	Auto	5.051	949410	7032506	26	5.6476	ng/mL	----
N-MeFOSAA-d3_IS	Auto	5.051	949410	949410	19	5.0000	ng/mL	----
N-MeFOSA-d3_IS	Auto	5.633	726343	726343	1	5.0000	ng/mL	----
N-MeFOSA-d3	Auto	5.633	726343	7032506	26	2.8886	ng/mL	----
N-MeFOSA	Auto	5.635	239845	726343	1	0.9686	ng/mL	----
N-MeFOSE-d7	Auto	5.602	1158065	7032506	26	3.1989	ng/mL	----
N-MeFOSE-d7_IS	Auto	5.602	1158065	1158065	20	5.0000	ng/mL	----
N-MeFOSE	Auto	5.609	273540	1158065	20	0.9881	ng/mL	----
N-EtFOSAA	Auto	5.150	84869	752944	21	0.8927	ng/mL	----
N-EtFOSAA-d5_IS	Auto	5.147	752944	752944	21	5.0000	ng/mL	----
N-EtFOSAA-d5	Auto	5.147	752944	7032506	26	5.0860	ng/mL	----
N-EtFOSA-d9_IS	Auto	5.767	1004381	1004381	23	5.0000	ng/mL	----
N-EtFOSA-d9	Auto	5.767	1004381	7032506	26	2.6933	ng/mL	----
N-EtFOSA	Auto	5.773	41851	1004381	23	1.0336	ng/mL	----
N-EtFOSE-d9_IS	Auto	5.729	957893	957893	24	5.0000	ng/mL	----
N-EtFOSE-d9	Auto	5.729	957893	7032506	26	3.2308	ng/mL	----

Insight Report

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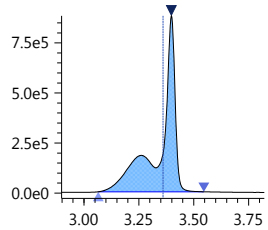
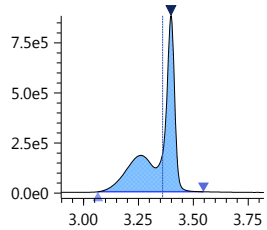
(Table continued from previous page)

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
N-EtFOSE	Auto	5.740	235974	957893	24	0.9423	ng/mL	----
13C7-PFUnDA_IS	Auto	5.134	7032506	7032506	26	5.0000	ng/mL	----

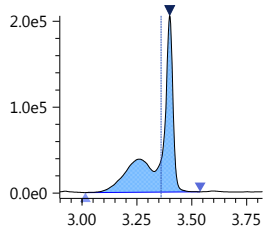
PFBA-13C_IS
Conc 5.0000
RT 3.398 Area 4006671
ISTD 216.90>172.15 (-) 8.85e5



PFBA-13C
Conc 2.9845
RT 3.398 Area 4006671
Q 216.90>172.15 (-) 8.85e5



PFBA
Conc 1.0230
RT 3.399 Area 836965
Q 213.00>169.10 (-) 2.06e5



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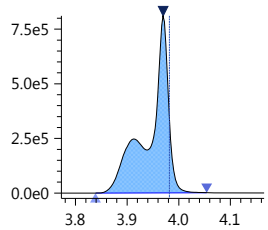
Conc 5.0000
RT 3.970 Area 2085636
ISTD 267.90>223.00 (-) 8.11e5



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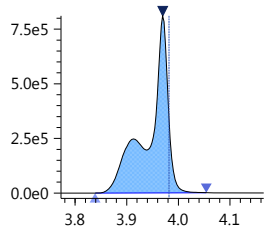

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RT 3.970 Area 1098602
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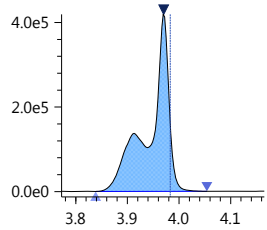

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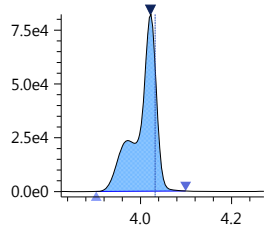

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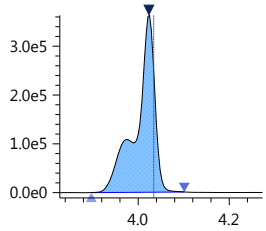
Conc 2.0682
RT 4.024 Area 1015371
Q 301.80>80.00 (-) 3.63e5



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Conc 5.0000
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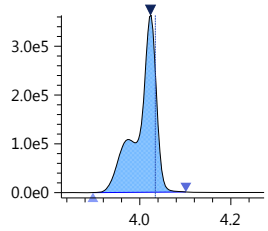

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Conc 5.0000
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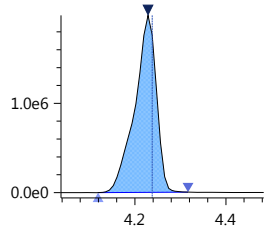

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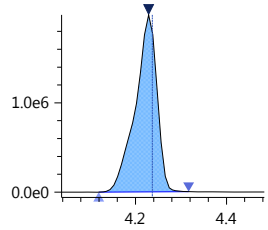

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Conc 0.9988
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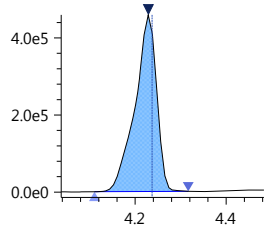
Q 313.00>269.00 (-) 4.60e5



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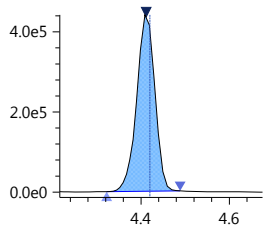
RT 4.412 Area 1266016
Q 362.90>319.00 (-) 4.42e5



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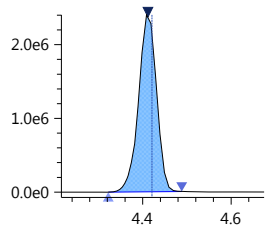
Conc 5.0000
RT 4.412 Area 6826884
ISTD 366.90>322.10 (-) 2.40e6



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Conc 3.8378
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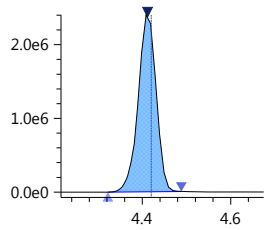
Q 366.90>322.10 (-) 2.40e6



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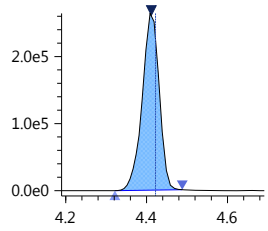
Conc 5.0000
RT 4.412 Area 772595
ISTD 402.70>84.05 (-) 2.64e5



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Conc 3.0602
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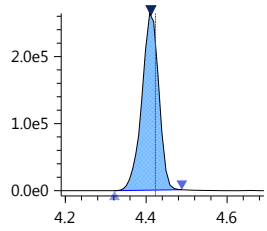

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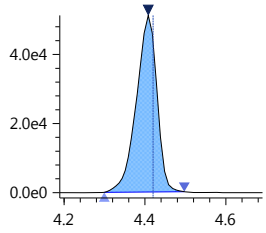
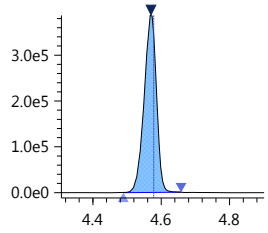
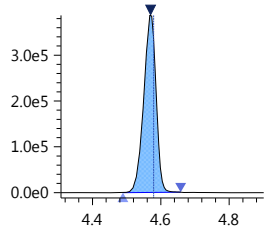
Conc 0.8629
RT 4.408 Area 180373
Q 399.00>80.00 (-) 5.13e4



6_2-FTS-13C
Conc 5.4783
RT 4.570 Area 973910
Q 428.90>409.00 (-) 3.87e5



6_2-FTS-13C_IS
Conc 5.0000
RT 4.570 Area 973910
ISTD 428.90>409.00 (-) 3.87e5



Insight Report

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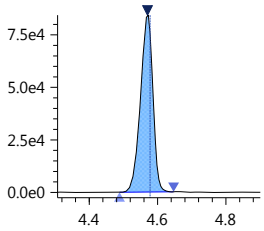
6_2-FTS_1
Conc 0.8848
RT 4.570 Area 212806
Q 427.00>407.00 (-) 8.44e4



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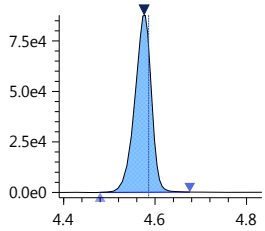
RT 4.576 Area 222528
Q 449.00>80.15 (-) 8.78e4



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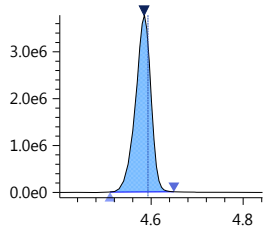

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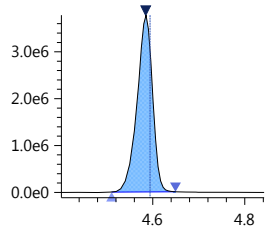

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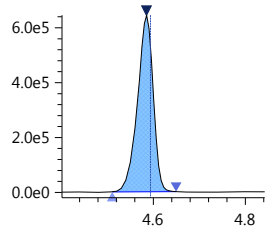
Q 413.00>369.00 (-) 6.46e5



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RT 4.753 Area 117062
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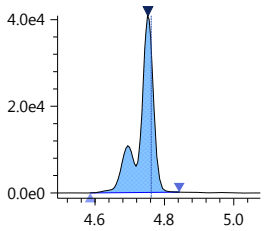

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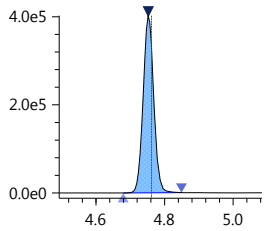

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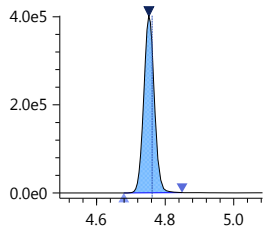

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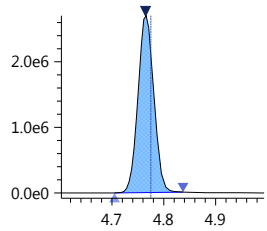

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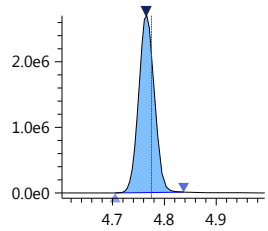

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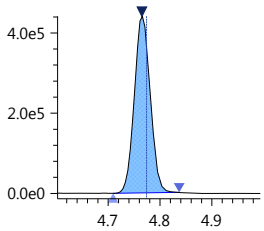

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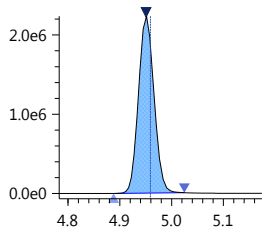
ISTD 514.80>469.95 (-) 2.24e6



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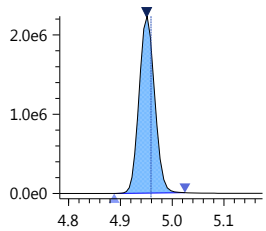

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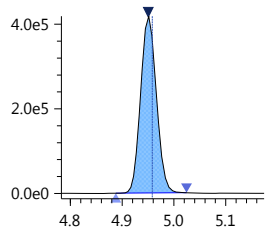

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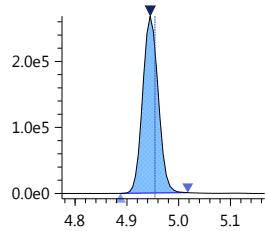

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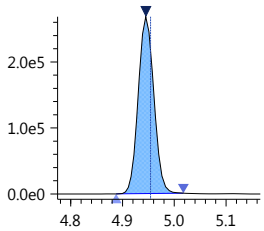

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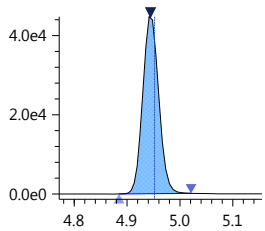

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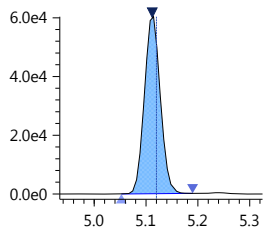

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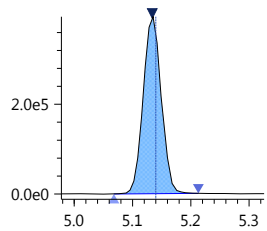

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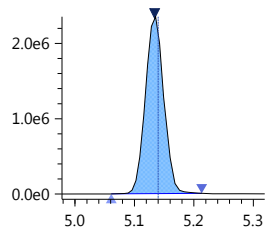

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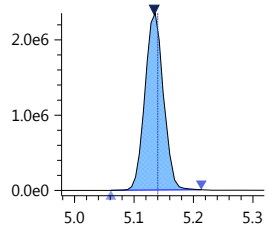
Q 564.80>519.95 (-) 2.36e6



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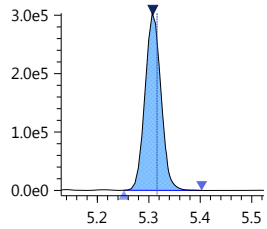

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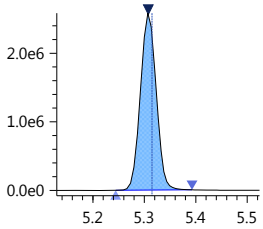
Q 614.80>569.95 (-) 2.58e6



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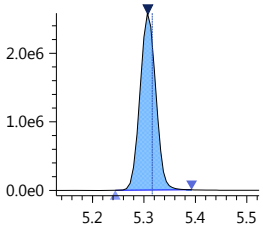

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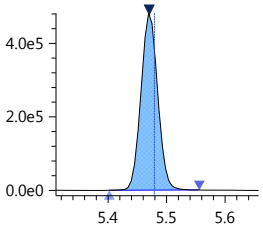

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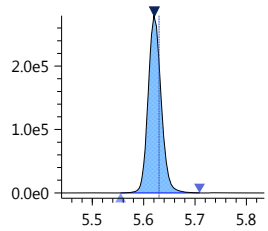
Q 713.40>669.00 (-) 2.79e5



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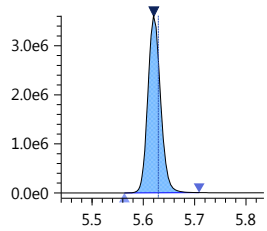

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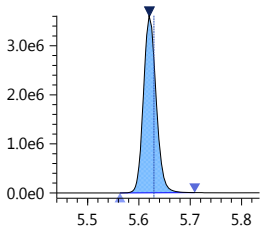

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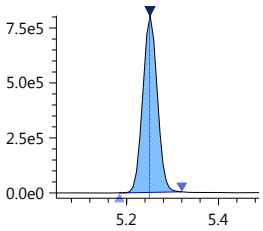

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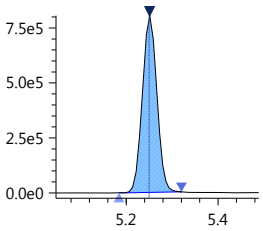

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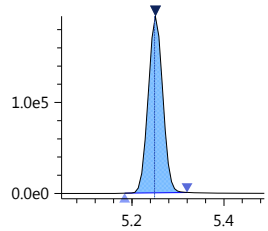

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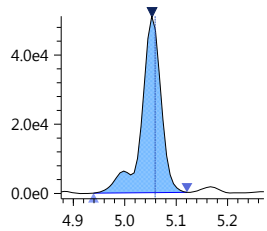

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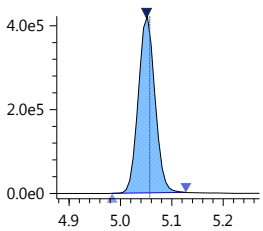

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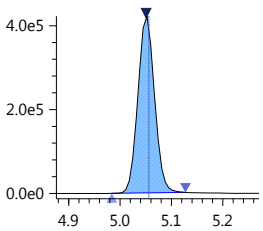

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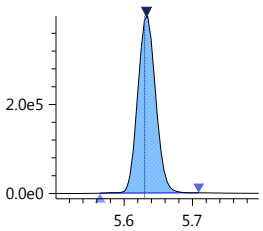

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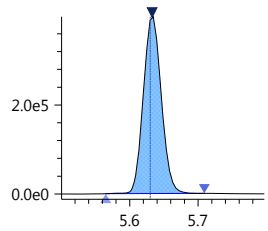
Q 514.90>168.90 (-) 3.98e5



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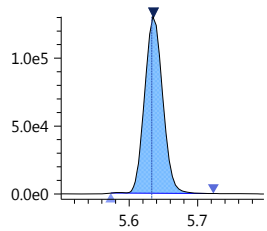

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Conc 3.1989
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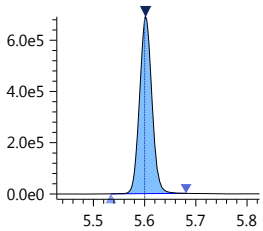
Q 622.70>59.10 (-) 6.92e5



N-MeFOSE-d7_IS
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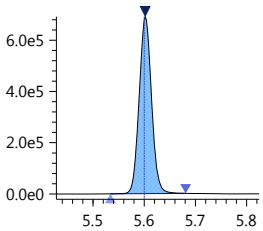

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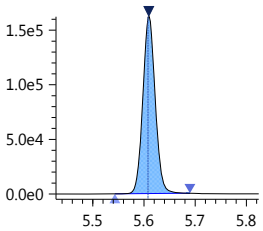
Q 616.00>59.00 (-) 1.62e5



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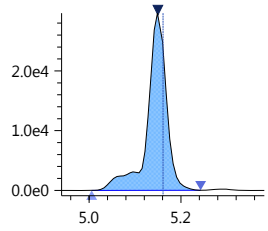

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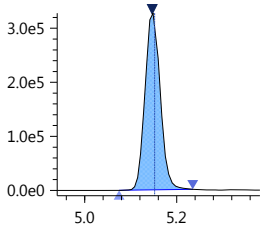
ISTD 588.80>419.00 (-) 3.28e5



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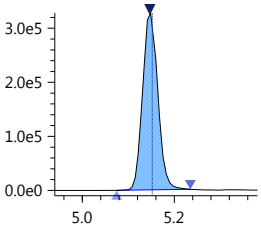

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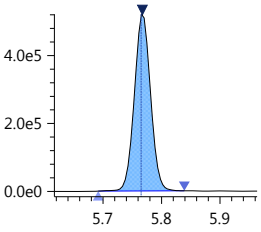

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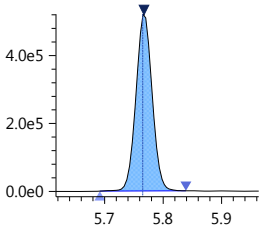

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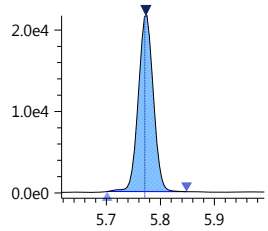

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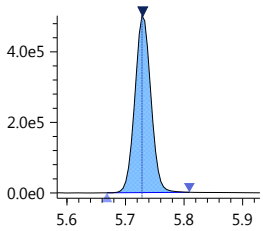
ISTD 638.70>59.10 (-) 5.02e5



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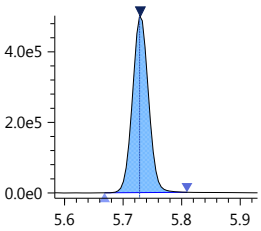
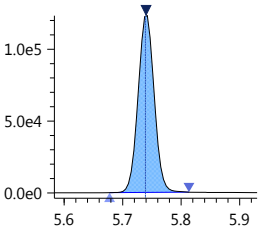
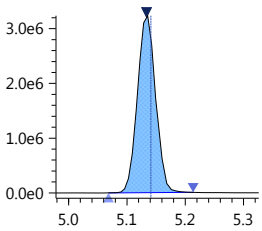
Q 638.70>59.10 (-) 5.02e5



N-EtFOSE
Conc 0.9423
RT 5.740 Area 235974
Q 630.00>58.90 (-) 1.23e5



13C7-PFUnDA_IS
Conc 5.0000
RT 5.134 Area 7032506
ISTD 570.00>525.00 (-) 3.24e6



Insight Report

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190620_036

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Date acquired: 6/20/2019 7:27:11 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190620_b2\190620_036.lcd
Vial: 23 | Inj. Volume: 15.0000uL | Tray: 5

PFBA-13C_IS
Conc 5.0000
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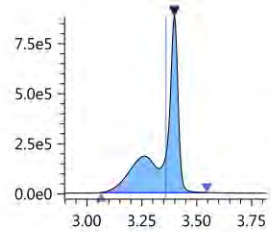
ISTD 216.90>172.15 (-) 8.85e5



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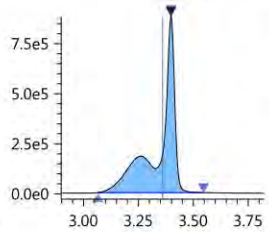
Q 216.90>172.15 (-) 8.85e5



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Conc 1.0230
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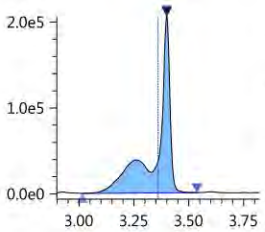
Q 213.00>169.10 (-) 2.06e5



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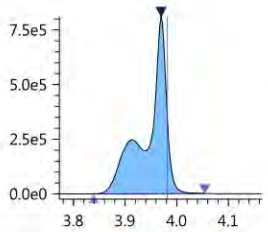
ISTD 267.90>223.00 (-) 8.11e5



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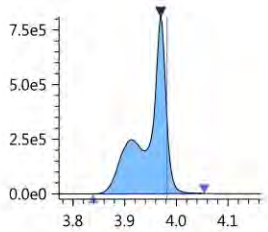
Q 267.90>223.00 (-) 8.11e5



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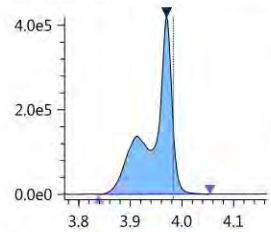
Q 263.05>219.10 (-) 4.19e5



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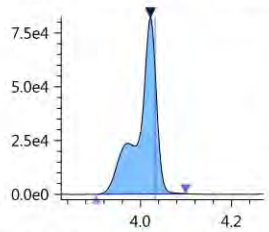
Q 299.00>80.00 (-) 8.23e4



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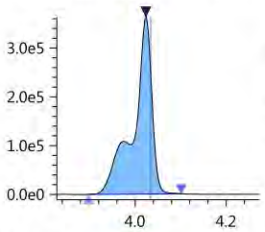
RT 4.024 Area 1015371
Q 301.80>80.00 (-) 3.63e5



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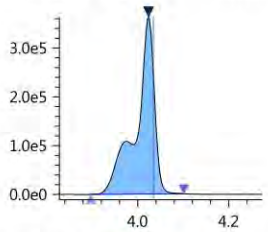

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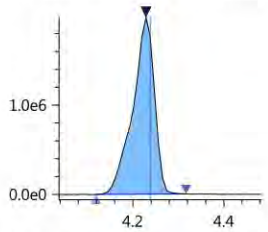

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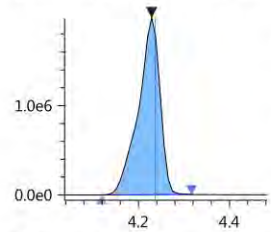

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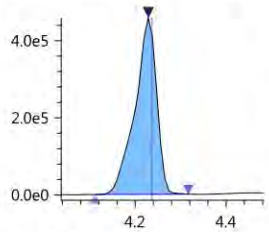

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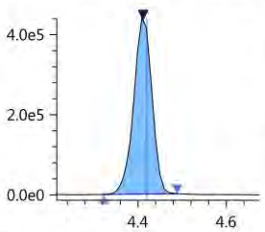
Q 362.90>319.00 (-) 4.42e5



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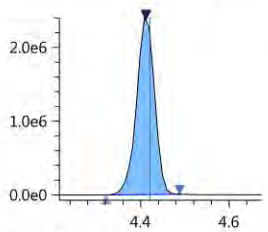
ISTD 366.90>322.10 (-) 2.40e6



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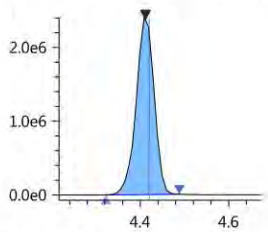
Q 366.90>322.10 (-) 2.40e6



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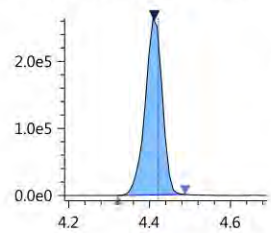

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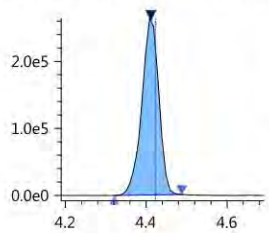

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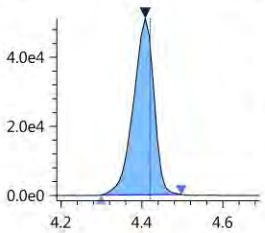

6_2-FTS-13C
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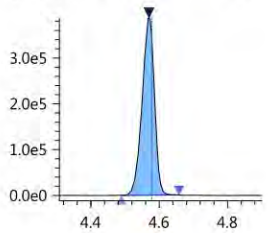

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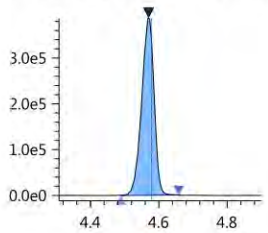

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6_2-FTS_1
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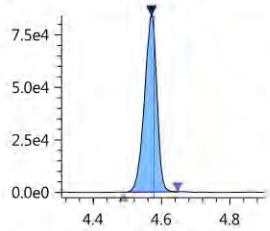

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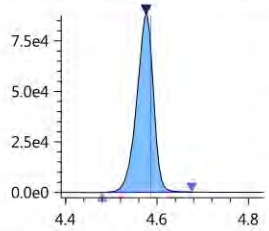

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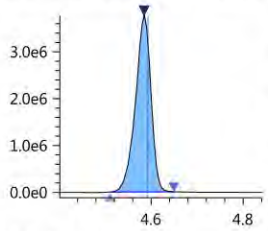
ISTD 416.80>372.05 (-) 3.78e6



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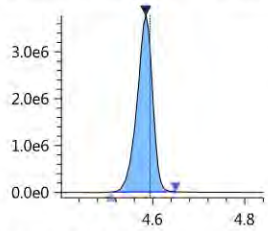

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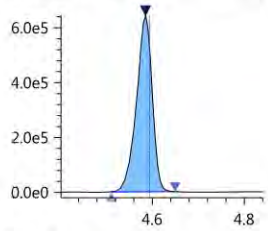

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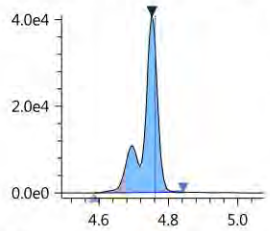

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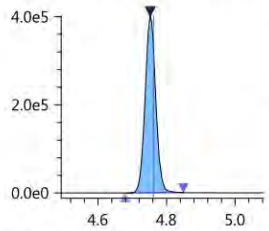

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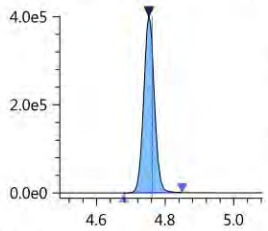

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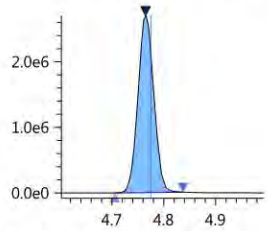

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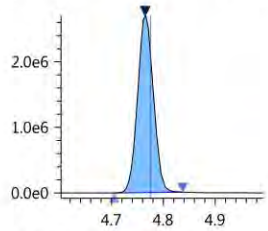

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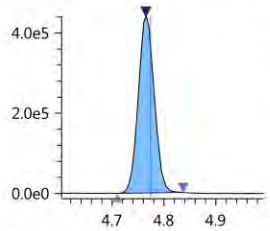

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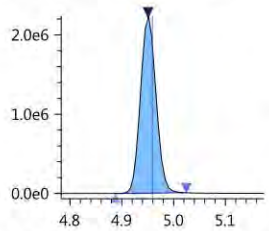

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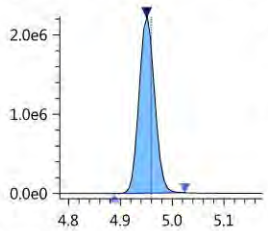

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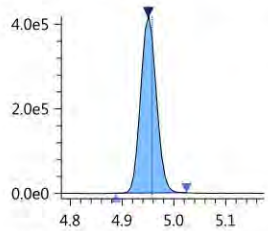
Q 513.00>468.80 (-) 4.19e5



8_2-FTS-13C_IS
Conc 5.0000
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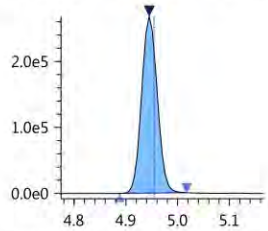
ISTD 528.80>509.00 (-) 2.69e5



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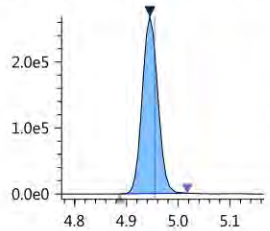
Q 528.80>509.00 (-) 2.69e5



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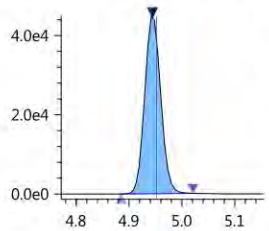
Q 527.10>506.90 (-) 4.48e4



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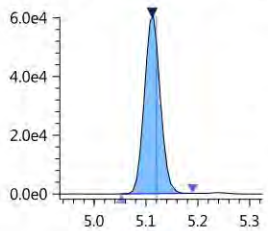
Q 599.00>79.90 (-) 6.04e4



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Conc 0.9390
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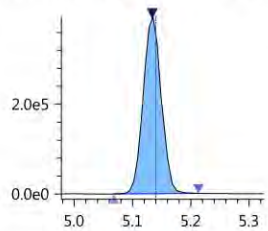
Q 563.00>518.90 (-) 3.95e5



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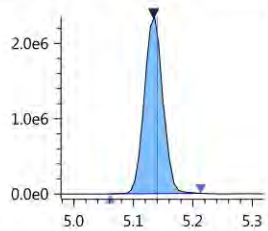
ISTD 564.80>519.95 (-) 2.36e6



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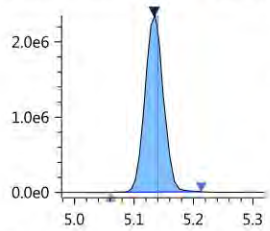

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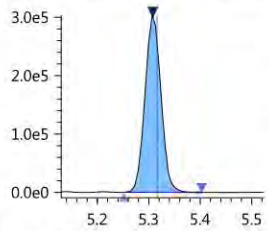
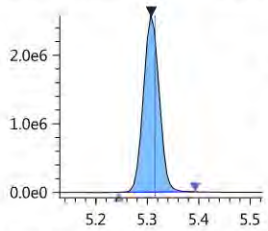
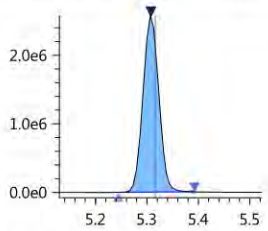
Conc 0.9551
RT 5.308 Area 657028
Q 613.05>569.00 (-) 3.04e5



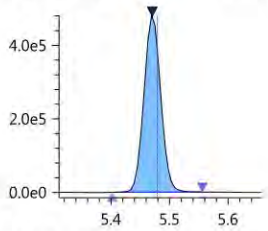
PFDoA-13C
Conc 3.5175
RT 5.308 Area 5519292
Q 614.80>569.95 (-) 2.58e6



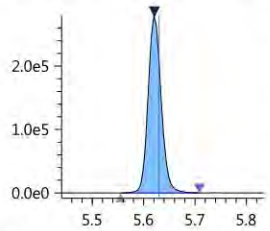
PFDoA-13C_IS
Conc 5.0000
RT 5.308 Area 5519292
ISTD 614.80>569.95 (-) 2.58e6



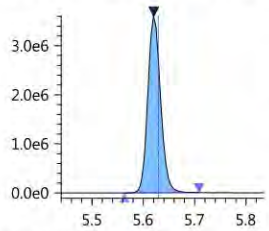
PFTrDA
Conc 0.7906
RT 5.470 Area 959265
Q 663.00>618.90 (-) 4.82e5



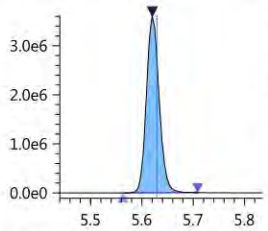
PFTeDA
Conc 1.0199
RT 5.621 Area 494274
Q 713.40>669.00 (-) 2.79e5



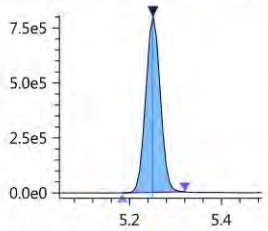
PFTeDA-13C
Conc 5.2176
RT 5.621 Area 6236272
Q 714.70>669.90 (-) 3.61e6



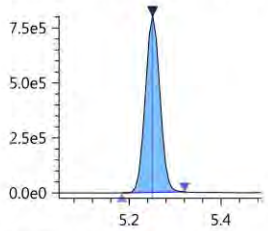
PFTeDA-13C_IS
Conc 5.0000
RT 5.621 Area 6236272
ISTD 714.70>669.90 (-) 3.61e6



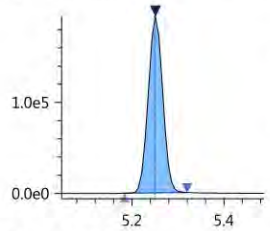
FOSA-13C_IS
Conc 5.0000
RT 5.251 Area 1769280
ISTD 506.00>78.05 (-) 8.06e5



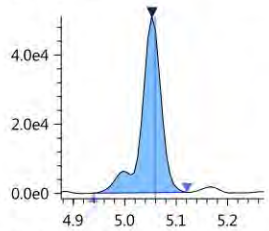
FOSA-13C
Conc 2.1272
RT 5.251 Area 1769280
Q 506.00>78.05 (-) 8.06e5



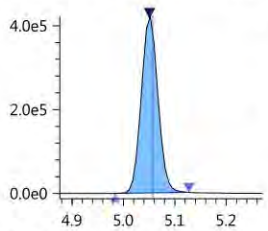
FOSA
Conc 0.9441
RT 5.251 Area 427463
Q 498.20>78.00 (-) 1.95e5



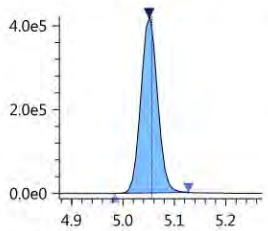
N-MeFOSAA
Conc 1.0768
RT 5.053 Area 135681
Q 570.20>419.00 (-) 5.12e4



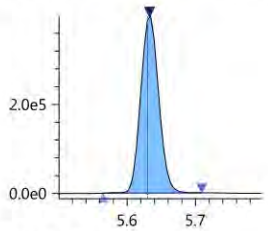
N-MeFOSAA-d3
Conc 5.6476
RT 5.051 Area 949410
Q 572.80>419.05 (-) 4.23e5



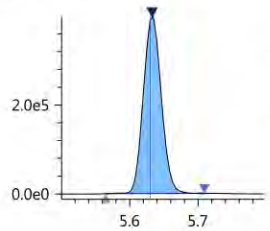
N-MeFOSAA-d3_IS
Conc 5.0000
RT 5.051 Area 949410
ISTD 572.80>419.05 (-) 4.23e5



N-MeFOSA-d3_IS
Conc 5.0000
RT 5.633 Area 726343
ISTD 514.90>168.90 (-) 3.98e5



N-MeFOSA-d3
Conc 2.8886
RT 5.633 Area 726343
Q 514.90>168.90 (-) 3.98e5



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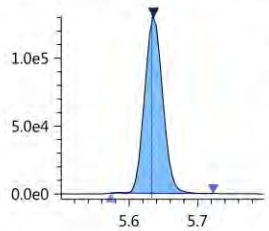
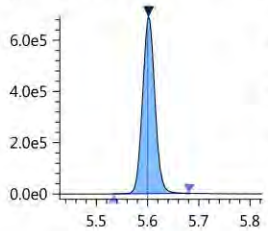
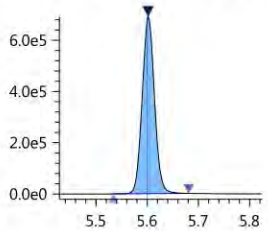
Conc 0.9686
RT 5.635 Area 239845
Q 512.00>169.10 (-) 1.31e5



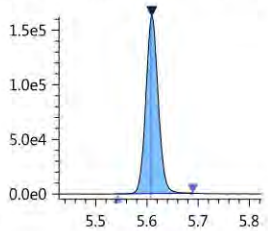
N-MeFOSE-d7
Conc 3.1989
RT 5.602 Area 1158065
Q 622.70>59.10 (-) 6.92e5



N-MeFOSE-d7_IS
Conc 5.0000
RT 5.602 Area 1158065
ISTD 622.70>59.10 (-) 6.92e5



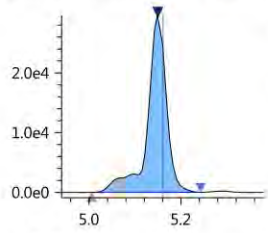
N-MeFOSE
Conc 0.9881
RT 5.609 Area 273540
Q 616.00>59.00 (-) 1.62e5



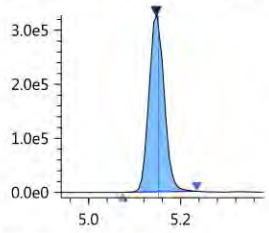
Insight Report

Printed at 6/21/2019 12:45:13 PM

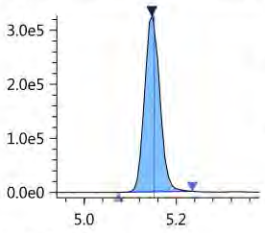
N-EtFOSAA
Conc 0.8927
RT 5.150 Area 84869
Q 584.20>418.95 (-) 2.97e4



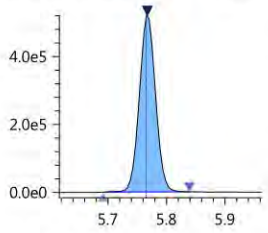
N-EtFOSAA-d5_IS
Conc 5.0000
RT 5.147 Area 752944
ISTD 588.80>419.00 (-) 3.28e5



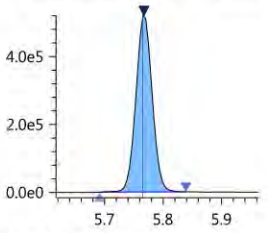
N-EtFOSAA-d5
Conc 5.0860
RT 5.147 Area 752944
Q 588.80>419.00 (-) 3.28e5



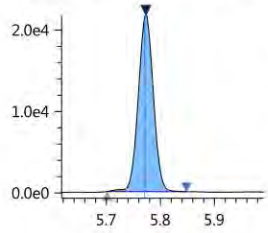
N-EtFOSA-d9_IS
Conc 5.0000
RT 5.767 Area 1004381
ISTD 530.90>169.15 (-) 5.22e5



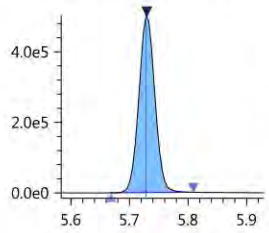
N-EtFOSA-d9
Conc 2.6933
RT 5.767 Area 1004381
Q 530.90>169.15 (-) 5.22e5



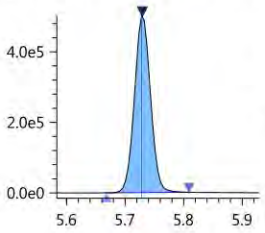
N-EtFOSA
Conc 1.0336
RT 5.773 Area 41851
Q 526.90>169.10 (-) 2.18e4



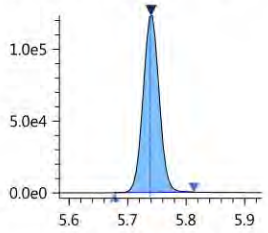
N-EtFOSE-d9_IS
Conc 5.0000
RT 5.729 Area 957893
ISTD 638.70>59.10 (-) 5.02e5



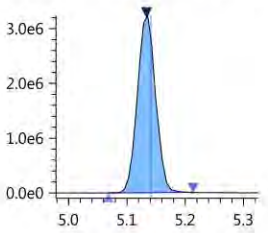
N-EtFOSE-d9
Conc 3.2308
RT 5.729 Area 957893
Q 638.70>59.10 (-) 5.02e5



N-EtFOSE
Conc 0.9423
RT 5.740 Area 235974
Q 630.00>58.90 (-) 1.23e5



13C7-PFUnDA_IS
Conc 5.0000
RT 5.134 Area 7032506
ISTD 570.00>525.00 (-) 3.24e6



1st CM 06/21/19
2nd 06/24/19

Validation Report

Data File: J:\LCMS06\Data\190620_b2\190620_033
Lab ID: KQ1908636-02
RunType: CCB
Matrix: Water

Date Acquired: 6/20/19 18:55
Batch ID: 640215
Analysis Method: PFC/537M/PFOA

Validations

Validation Categories	Pass	Fail
ICAL Analyte Recovery	X	
Second Source ICAL Verification	X	
Continuing Calibration Recovery		X
Internal Standards	X	
Surrogates		X
Above Highest ICAL Level	X	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Continuing Calibration Recovery	D3-MeFOSAA	157	70	130	native ok
	13C2-8:2 FTS	169	70	130	native ok
	13C2-6:2 FTS	141	70	130	native ok
	13C8-FOSA	66	70	130	native ok
	D5-EtFOSAA	146	70	130	native ok
Surrogates	D3-MeFOSAA	149	9	123	High bias ND
	D5-EtFOSAA	136	12	126	High bias ND

Primary Review: _____

Secondary Review: _____

1st CM 06/21/19
2nd 06/24/19

Quantitation Report

Data File:	J:\LCMS06\Data\190620_b2\190620_033	**Instrument:**	K-LCMS-06
Acqu Date:	6/20/19 18:55	**Vial:**	2
Run Type:	CCB	**Dilution:**	1
Lab ID:	KQ1908636-02	**Raw Units:**	ng/mL

Bottle ID:		**Tier:**	II	**Matrix:**	Water
Prod Code:	PFOA	**Collect Date:**	6/12/19	**Receive Date:**	6/13/19

Analysis Lot:	640215	**Prep Lot:**		**Report Group:**	KQ1908636
Analysis	PFC/537M	**Prep Method:**			
		Prep Date:			

Title:	Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS	**Calibration ID:**	KC1900234
		Report List ID:	20091

Internal Standard Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	Area Criteria
13C7-PFUnDA	5.139	0.00	6230605	5.0000	OK

Surrogate Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	% Rec		% Rec Criteria	Rpt?
13C3-PFBS	4.032	0.00	1433524	3.2958	66		20 - 109	Y
18O2-PFHxS	4.422	0.00	793862	3.5492	71		26 - 122	Y
13C4-PFOS	4.762		919758	3.2759	66		25 - 121	Y
13C4-PFBA	3.418	0.00	4409330	3.7072	74		27 - 124	Y
13C5-PFPeA	3.979	0.00	2456235	3.4079	68		27 - 138	Y
13C2-PFHxA	4.236	0.00	6077890	3.7408	75		28 - 132	Y
13C4-PFHpA	4.421	0.00	6373180	4.0439	81		19 - 139	Y
13C4-PFOA	4.594	0.00	8903716	4.6553	93		22 - 130	Y
13C5-PFNA	4.773	0.00	5308097	4.1327	83		20 - 127	Y
13C2-PFDA	4.958	0.00	5359237	4.4555	89		24 - 125	Y
13C2-PFUnDA	5.140		5365773	5.4291	109		22 - 125	Y
13C2-PFDoDA	5.315	0.00	6692490	4.8141	96		19 - 122	Y
13C2-PFTeDA	5.627	0.00	5866610	5.5401	111		13 - 124	Y
13C8-FOSA	5.253	0.00	2342542	3.1790	64		18 - 109	Y
D3-MeFOSA	5.634	0.00	729192	3.2732	65		15 - 153	Y
D5-EtFOSA	5.769	0.00	1043450	3.1582	63		25 - 107	Y
D7-MeFOSE	5.604	0.00	1144128	3.5672	71		24 - 112	Y
D9-EtFOSE	5.731	0.00	963985	3.6698	73		19 - 109	Y
D3-MeFOSAA	5.056	0.00	1105891	7.4251	149	*	9 - 123	Y
D5-EtFOSAA	5.153	0.00	891211	6.7947	136	*	12 - 126	Y
13C2-6:2 FTS	4.580	0.00	1077383	6.8404	137		10 - 226	Y
13C2-8:2 FTS	4.953	0.00	697070	7.9662	159		10 - 202	Y

1st CM 06/21/19
2nd 06/24/19

Data File:	J:\LCMS06\Data\190620_b2\190620_033	**Instrument:**	K-LCMS-06
Acqu Date:	6/20/19 18:55	**Vial:**	2
Run Type:	CCB	**Dilution:**	1
Lab ID:	KQ1908636-02	**Raw Units:**	ng/mL

Target Compounds

Final Conc.Units: ng/L

Parameter Name	RT	RT Dev	Response	Solution Conc	Final Conc	Q		Rpt?
Perfluorobutane sulfonic acid (PFBS)	4.025	-0.01	537	0.0016	0.051	U		Y
Perfluorohexane sulfonic acid (PFHxS)	4.419	0.00	3826	-0.0349	0	U		Y
Perfluoroheptane sulfonic acid (PFHpS)	4.584	0.00	245	0.0010	0.032	U		Y
Perfluorooctane sulfonic acid (PFOS)	4.757	0.00	533	0.0035	0.11	U		Y
Perfluorodecane sulfonic acid (PFDS)	0		0	0	0	U		Y
Perfluorobutanoic acid (PFBA)	0		0	0	0	U		Y
Perfluoropentanoic acid (PFPeA)	3.979	0.00	148651	0.0044	0.14	U		Y
Perfluorohexanoic acid (PFHxA)	4.228	-0.01	44245	0.0050	0.16	U		Y
Perfluoroheptanoic acid (PFHpA)	4.408	-0.01	19912	0.0004	0.013	U		Y
Perfluorooctanoic acid (PFOA)	4.586	-0.01	30462	-0.0003	0	U		Y
Perfluorononanoic acid (PFNA)	4.739	-0.04	15884	-0.0050	0	U		Y
Perfluorodecanoic acid (PFDA)	4.947	-0.01	13223	0.0121	0.39	U		Y
Perfluoroundecanoic acid (PFUnDA)	5.138	0.00	18819	-0.0127	0	U		Y
Perfluorododecanoic acid (PFDoDA)	5.308	-0.01	8573	-0.0042	0	U		Y
Perfluorotridecanoic acid (PFTrDA)	5.471	-0.01	10018	0.0005	0.016	U		Y
Perfluorotetradecanoic acid (PFTeDA)	5.627	0.00	57596	-0.0030	0	U		Y
Perfluorooctane sulfonamide (FOSA)	5.250	0.00	2999	0.0050	0.16	U		Y
N-Methyl perfluorooctane sulfonamide (MeFOSA)	5.637	0.00	1582	0.0064	0.20	U		Y
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	5.777		266	0.0063	0.20	U		Y
N-Methyl perfluorooctane sulfonamidoethanol	5.611	0.00	326	0.0012	0.038	U		Y
N-Ethyl perfluorooctane sulfonamidoethanol	5.740	0.00	763	0.0030	0.096	U		Y
N-Methyl perfluorooctane sulfonamidoacetic acid	5.053	-0.01	1249	0.0085	0.27	U		Y
N-Ethyl perfluorooctane sulfonamidoacetic acid	5.152	0.00	909	0.0081	0.26	U		Y
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	4.580	0.00	8427	0.0317	1.0	J	<1/2MRL	Y
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	4.950	0.00	278	0.0026	0.083	U		Y

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Insight Report

Printed at 6/21/2019 1:50:21 PM

190620_033

Sample ID: IB
Date acquired: 6/20/2019 6:55:48 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190620_b2\190620_033.lcd
Vial: 25 | Inj. Volume: 15.0000uL | Tray: 1

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
PFBA-13C_IS	Auto	3.418	4409330	4409330	2	5.0000	ng/mL	----
PFBA-13C	Auto	3.418	4409330	6230605	26	3.7072	ng/mL	----
PFBA	ND(W/B)	----	----	4409330	2	----	ng/mL	----
PFPeA-13C_IS	Auto	3.979	2456235	2456235	4	5.0000	ng/mL	----
PFPeA-13C	Auto	3.979	2456235	6230605	26	3.4079	ng/mL	----
PFPeA	Auto	3.979	148651	2456235	4	0.0044	ng/mL	----
PFBS_1	M	4.025	537	1433524	16	0.0016	ng/mL	----
PFBS-13C	Auto	4.032	1433524	6230605	26	3.2958	ng/mL	----
PFBS-13C_IS	Auto	4.032	1433524	1433524	16	5.0000	ng/mL	----
PFHxA-13C_IS	Auto	4.236	6077890	6077890	6	5.0000	ng/mL	----
PFHxA-13C	Auto	4.236	6077890	6230605	26	3.7408	ng/mL	----
PFHxA	M	4.228	44245	6077890	6	0.0050	ng/mL	----
PFHpA	M	4.408	19912	6373180	8	0.0004	ng/mL	----
PFHpA-13C_IS	Auto	4.421	6373180	6373180	8	5.0000	ng/mL	----
PFHpA-13C	Auto	4.421	6373180	6230605	26	4.0439	ng/mL	----
PFHxS-18O_IS	Auto	4.422	793862	793862	7	5.0000	ng/mL	----
PFHxS-18O	Auto	4.422	793862	6230605	26	3.5492	ng/mL	----
PFHxS_1	Auto	4.419	3826	793862	7	-0.0349	ng/mL	----
6_2-FTS-13C	Auto	4.580	1077383	6230605	26	6.8404	ng/mL	----
6_2-FTS-13C_IS	Auto	4.580	1077383	1077383	10	5.0000	ng/mL	----
6_2-FTS_1	M	4.580	8427	1077383	10	0.0317	ng/mL	----
PFHpS_1	M	4.584	245	793862	7	0.0010	ng/mL	----
PFOA-13C_IS	Auto	4.594	8903716	8903716	9	5.0000	ng/mL	----
PFOA-13C	Auto	4.594	8903716	6230605	26	4.6553	ng/mL	----
PFOA	M	4.586	30462	8903716	9	-0.0003	ng/mL	----
PFOS_1	Auto	4.757	533	919758	13	0.0035	ng/mL	----
PFOS-13C_IS	Auto	4.762	919758	919758	13	5.0000	ng/mL	----
PFOS-13C	Auto	4.762	919758	6230605	26	3.2759	ng/mL	----
PFNA-13C_IS	Auto	4.773	5308097	5308097	11	5.0000	ng/mL	----
PFNA-13C	Auto	4.773	5308097	6230605	26	4.1327	ng/mL	----
PFNA	M	4.739	15884	5308097	11	-0.0050	ng/mL	----
PFDA-13C_IS	Auto	4.958	5359237	5359237	12	5.0000	ng/mL	----
PFDA-13C	Auto	4.958	5359237	6230605	26	4.4555	ng/mL	----
PFDA	M	4.947	13223	5359237	12	0.0121	ng/mL	----
8_2-FTS-13C_IS	Auto	4.953	697070	697070	15	5.0000	ng/mL	----
8_2-FTS-13C	Auto	4.953	697070	6230605	26	7.9662	ng/mL	----
8_2-FTS_1	Auto	4.950	278	697070	15	0.0026	ng/mL	----
PFDS_1	ND(W/B)	----	----	919758	13	----	ng/mL	----
PFUnA	Auto	5.138	18819	5365773	14	-0.0127	ng/mL	----
PFUnA-13C_IS	Auto	5.140	5365773	5365773	14	5.0000	ng/mL	----
PFUnA-13C	Auto	5.140	5365773	6230605	26	5.4291	ng/mL	----
PFDoA	M	5.308	8573	6692490	17	-0.0042	ng/mL	----
PFDoA-13C	Auto	5.315	6692490	6230605	26	4.8141	ng/mL	----
PFDoA-13C_IS	Auto	5.315	6692490	6692490	17	5.0000	ng/mL	----
PFTrDA	Auto	5.471	10018	5866610	22	0.0005	ng/mL	----
PFTeDA	Auto	5.627	57596	5866610	22	-0.0030	ng/mL	----
PFTeDA-13C	Auto	5.627	5866610	6230605	26	5.5401	ng/mL	----
PFTeDA-13C_IS	Auto	5.627	5866610	5866610	22	5.0000	ng/mL	----
FOSA-13C_IS	Auto	5.253	2342542	2342542	18	5.0000	ng/mL	----
FOSA-13C	Auto	5.253	2342542	6230605	26	3.1790	ng/mL	----
FOSA	M	5.250	2999	2342542	18	0.0050	ng/mL	----
N-MeFOSAA	M	5.053	1249	1105891	19	0.0085	ng/mL	----
N-MeFOSAA-d3	Auto	5.056	1105891	6230605	26	7.4251	ng/mL	----
N-MeFOSAA-d3_IS	Auto	5.056	1105891	1105891	19	5.0000	ng/mL	----
N-MeFOSA-d3_IS	Auto	5.634	729192	729192	1	5.0000	ng/mL	----
N-MeFOSA-d3	Auto	5.634	729192	6230605	26	3.2732	ng/mL	----
N-MeFOSA	M	5.637	1582	729192	1	0.0064	ng/mL	----
N-MeFOSE-d7	Auto	5.604	1144128	6230605	26	3.5672	ng/mL	----
N-MeFOSE-d7_IS	Auto	5.604	1144128	1144128	20	5.0000	ng/mL	----
N-MeFOSE	M	5.611	326	1144128	20	0.0012	ng/mL	----
N-EtFOSAA	Auto	5.152	909	891211	21	0.0081	ng/mL	----
N-EtFOSAA-d5_IS	Auto	5.153	891211	891211	21	5.0000	ng/mL	----
N-EtFOSAA-d5	Auto	5.153	891211	6230605	26	6.7947	ng/mL	----
N-EtFOSA-d9_IS	Auto	5.769	1043450	1043450	23	5.0000	ng/mL	----
N-EtFOSA-d9	Auto	5.769	1043450	6230605	26	3.1582	ng/mL	----
N-EtFOSA	M	5.777	266	1043450	23	0.0063	ng/mL	----
N-EtFOSE-d9_IS	Auto	5.731	963985	963985	24	5.0000	ng/mL	----
N-EtFOSE-d9	Auto	5.731	963985	6230605	26	3.6698	ng/mL	----

Insight Report

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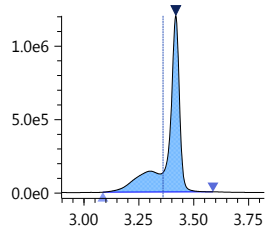
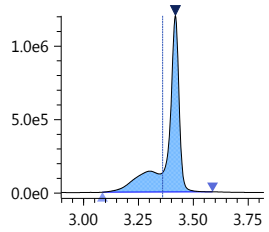
(Table continued from previous page)

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
N-EtFOSE	M	5.740	763	963985	24	0.0030	ng/mL	----
13C7-PFUnDA_IS	Auto	5.139	6230605	6230605	26	5.0000	ng/mL	----

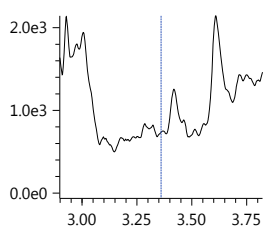
PFBA-13C_IS
Conc 5.0000
RT 3.418 Area 4409330
ISTD 216.90>172.15 (-) 1.21e6



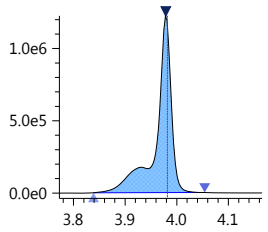
PFBA-13C
Conc 3.7072
RT 3.418 Area 4409330
Q 216.90>172.15 (-) 1.21e6



PFBA
Conc ----
RT ---- Area ----
Q 213.00>169.10 (-) 2.14e3



PFPeA-13C_IS
Conc 5.0000
RT 3.979 Area 2456235
ISTD 267.90>223.00 (-) 1.23e6



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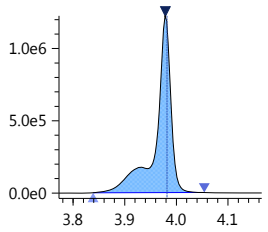
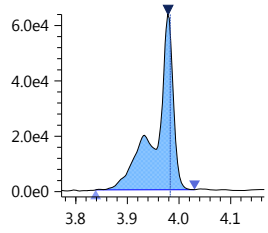
Q 267.90>223.00 (-) 1.23e6



PFPeA
Conc 0.0044
RT 3.979 Area 148651
Q 263.05>219.10 (-) 6.40e4



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Conc 0.0016
RT 4.025 Area 537
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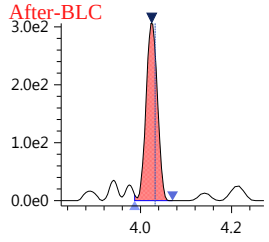

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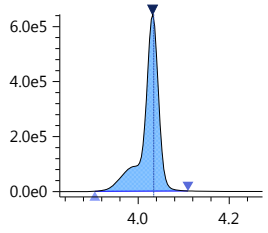
Conc 3.2958
RT 4.032 Area 1433524
Q 301.80>80.00 (-) 6.45e5



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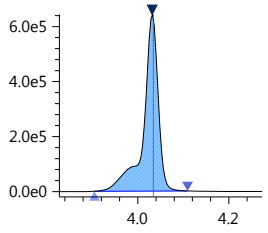
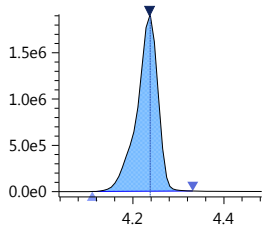
Conc 5.0000
RT 4.032 Area 1433524
ISTD 301.80>80.00 (-) 6.45e5



PFHxA-13C_IS
Conc 5.0000
RT 4.236 Area 6077890
ISTD 314.90>270.10 (-) 1.92e6



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Conc 3.7408
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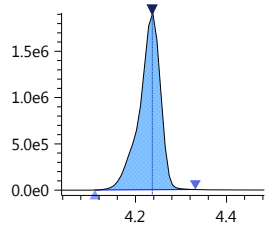
Q 314.90>270.10 (-) 1.92e6



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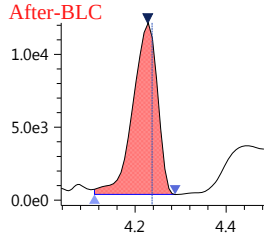
Conc 0.0050
RT 4.228 Area 44245
Q 313.00>269.00 (-) 1.22e4



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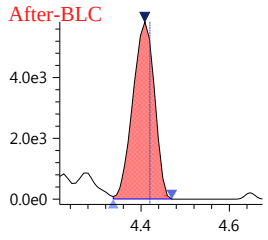
Conc 0.0004
RT 4.408 Area 19912
Q 362.90>319.00 (-) 5.84e3



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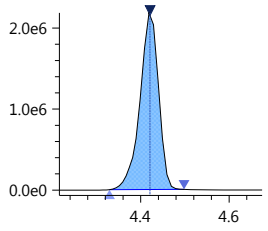
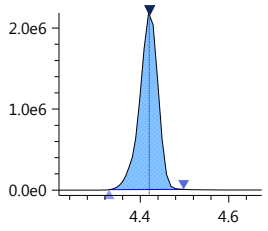
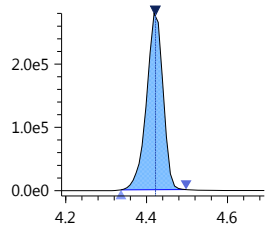
Conc 5.0000
RT 4.421 Area 6373180
ISTD 366.90>322.10 (-) 2.19e6



PFHpA-13C
Conc 4.0439
RT 4.421 Area 6373180
Q 366.90>322.10 (-) 2.19e6



PFHxS-18O_IS
Conc 5.0000
RT 4.422 Area 793862
ISTD 402.70>84.05 (-) 2.80e5



PFHxS-18O
Conc 3.5492
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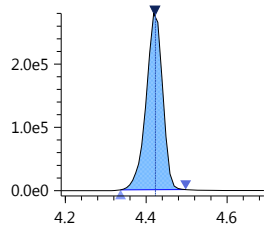
Q 402.70>84.05 (-) 2.80e5



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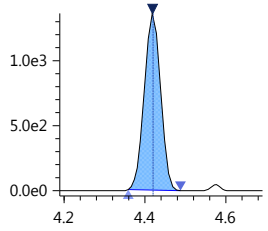
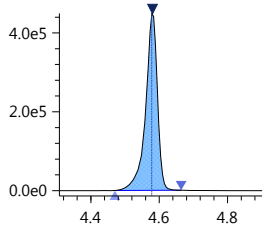
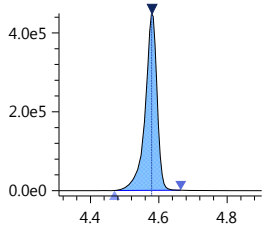
Conc -0.0349
RT 4.419 Area 3826
Q 399.00>80.00 (-) 1.36e3



6_2-FTS-13C
Conc 6.8404
RT 4.580 Area 1077383
Q 428.90>409.00 (-) 4.50e5



6_2-FTS-13C_IS
Conc 5.0000
RT 4.580 Area 1077383
ISTD 428.90>409.00 (-) 4.50e5



Insight Report

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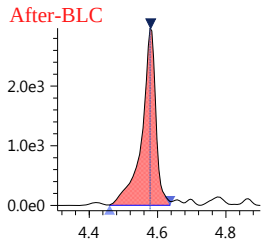
6_2-FTS_1
Conc 0.0317
RT 4.580 Area 8427
Q 427.00>407.00 (-) 2.97e3



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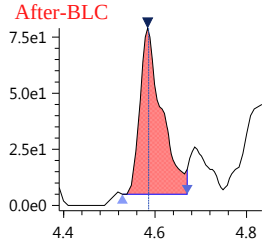
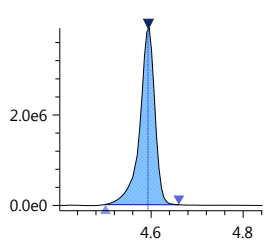
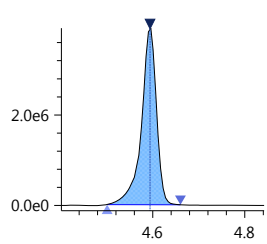
Conc 0.0010
RT 4.584 Area 245
Q 449.00>80.15 (-) 7.90e1



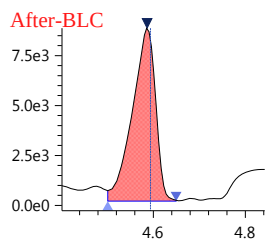
PFOA-13C_IS
Conc 5.0000
RT 4.594 Area 8903716
ISTD 416.80>372.05 (-) 3.92e6



PFOA-13C
Conc 4.6553
RT 4.594 Area 8903716
Q 416.80>372.05 (-) 3.92e6



PFOA
Conc -0.0003
RT 4.586 Area 30462
Q 413.00>369.00 (-) 8.88e3



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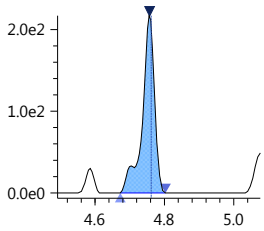
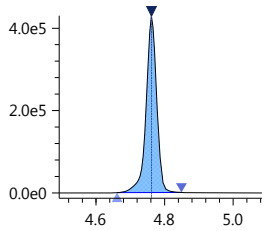
Conc 0.0035
RT 4.757 Area 533
Q 499.00>80.00 (-) 2.17e2



PFOS-13C_IS
Conc 5.0000
RT 4.762 Area 919758
ISTD 502.80>80.05 (-) 4.31e5



PFOS-13C
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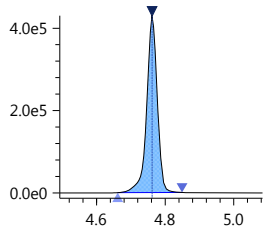
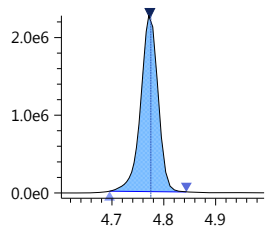
RT 4.762 Area 919758
Q 502.80>80.05 (-) 4.31e5



PFNA-13C_IS
Conc 5.0000
RT 4.773 Area 5308097
ISTD 467.80>423.00 (-) 2.28e6



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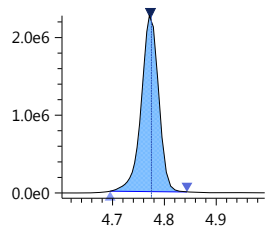
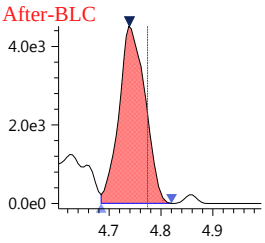
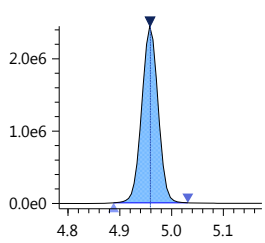


PFNA
Conc -0.0050
RT 4.739 Area 15884
Q 463.00>418.90 (-) 4.52e3



PFDA-13C_IS
Conc 5.0000
RT 4.958 Area 5359237
ISTD 514.80>469.95 (-) 2.45e6



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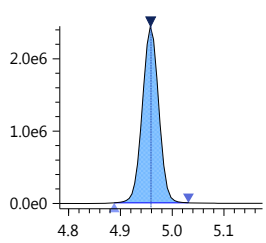
RT 4.958 Area 5359237
Q 514.80>469.95 (-) 2.45e6



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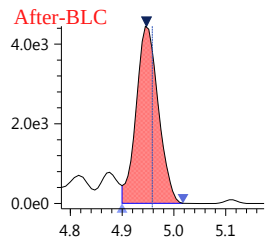
Conc 0.0121
RT 4.947 Area 13223
Q 513.00>468.80 (-) 4.45e3



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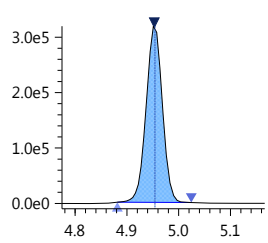
ISTD 528.80>509.00 (-) 3.20e5



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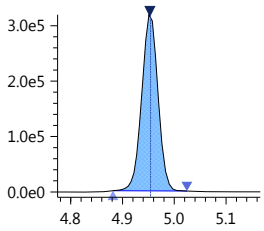

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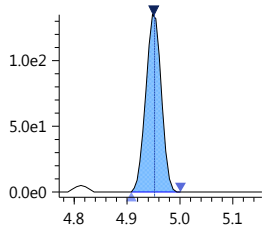
Q 527.10>506.90 (-) 1.35e2



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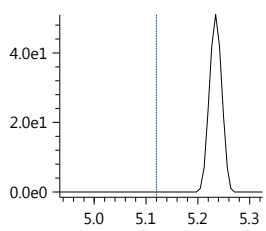
Conc ----
RT ---- Area ----
Q 599.00>79.90 (-) 5.10e1



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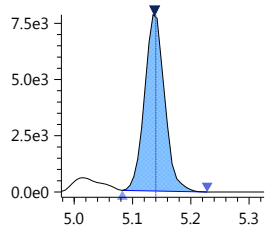

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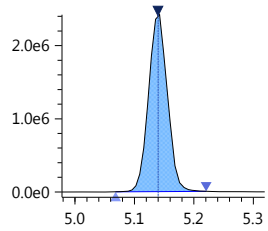
ISTD 564.80>519.95 (-) 2.42e6



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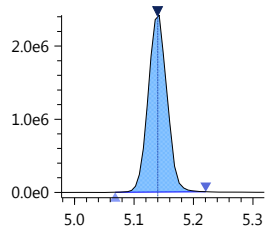

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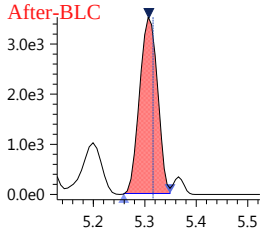

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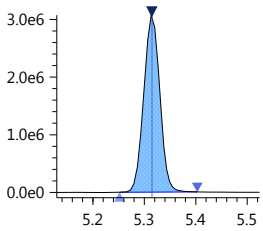
Q 614.80>569.95 (-) 3.08e6



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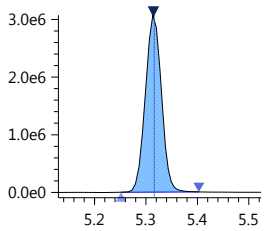

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Conc 0.0005
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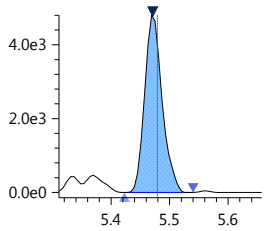

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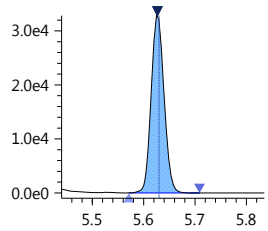
Q 713.40>669.00 (-) 3.28e4



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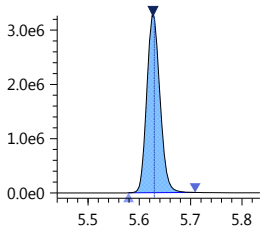

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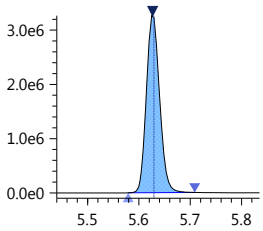

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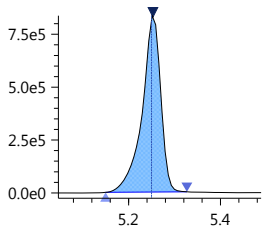

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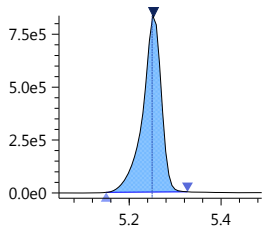

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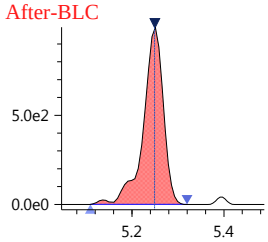

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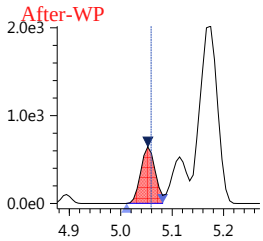

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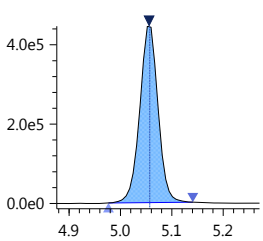
Q 572.80>419.05 (-) 4.47e5



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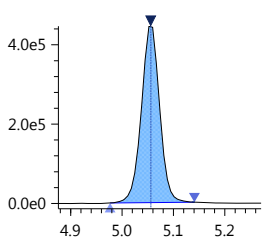

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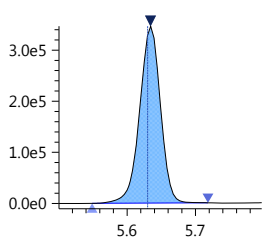
ISTD 514.90>168.90 (-) 3.47e5



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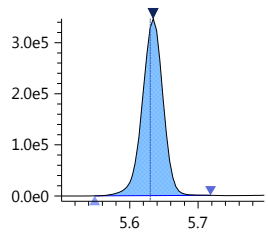
Q 514.90>168.90 (-) 3.47e5



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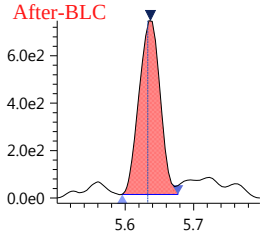
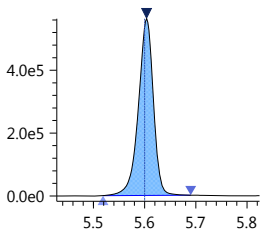


N-MeFOSE-d7
Conc 3.5672
RT 5.604 Area 1144128
Q 622.70>59.10 (-) 5.64e5



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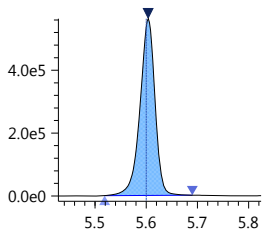

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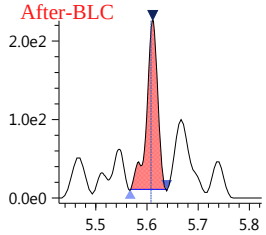

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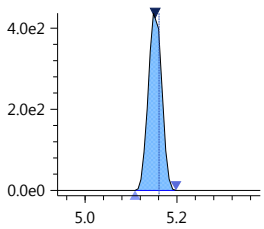

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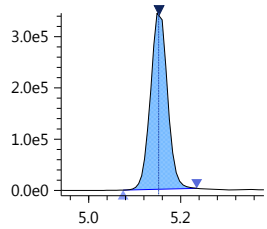

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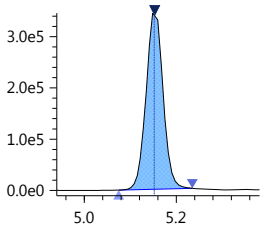

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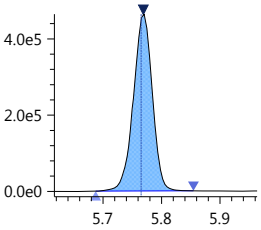

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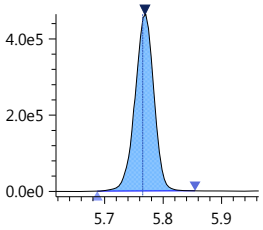

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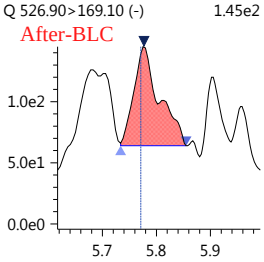

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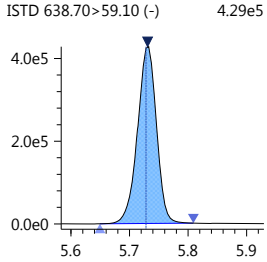

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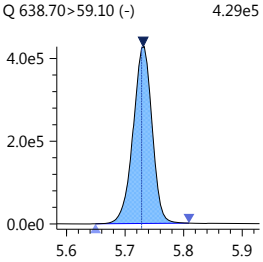

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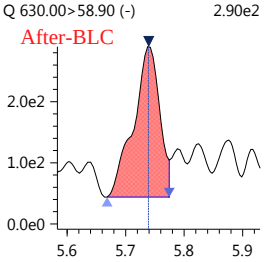

13C7-PFUnDA_IS
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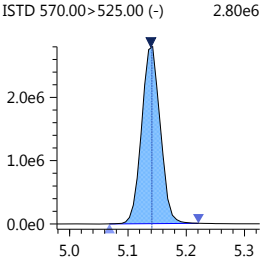

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Printed at 6/21/2019 12:45:13 PM

190620_033

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Date acquired: 6/20/2019 6:55:48 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190620_b2\190620_033.lcd
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PFBA-13C_IS
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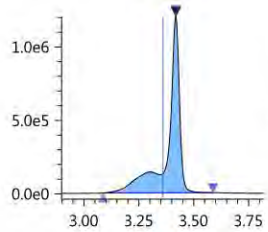

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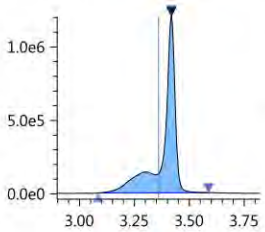

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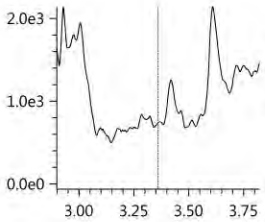

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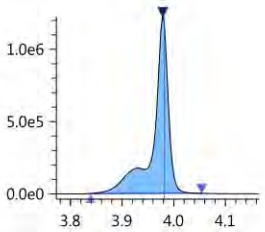

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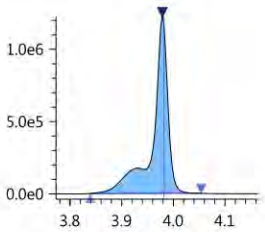
Q 267.90>223.00 (-) 1.23e6



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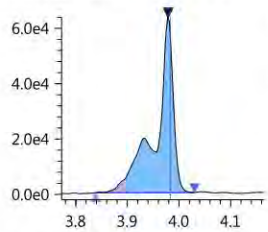
Conc 0.0044
RT 3.979 Area 148651
Q 263.05>219.10 (-) 6.40e4



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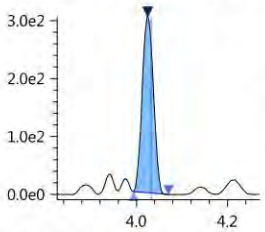
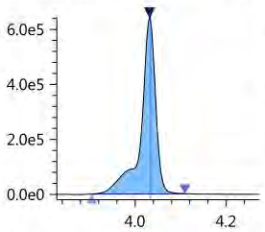
Conc 0.0016
RT 4.025 Area 523
Q 299.00>80.00 (-) 3.06e2



PFBS-13C
Conc 3.2958
RT 4.032 Area 1433524
Q 301.80>80.00 (-) 6.45e5



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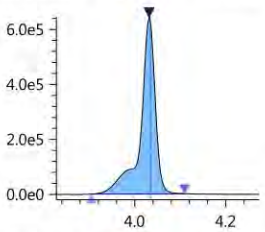

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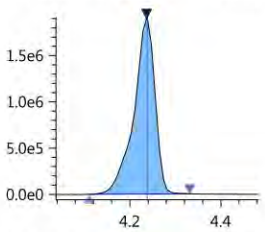
ISTD 314.90>270.10 (-) 1.92e6



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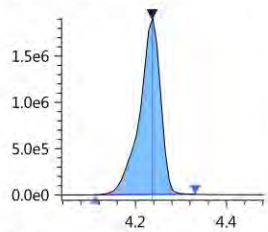
Q 314.90>270.10 (-) 1.92e6



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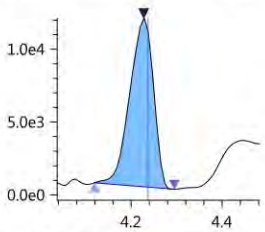
RT 4.228 Area 41727
Q 313.00>269.00 (-) 1.22e4



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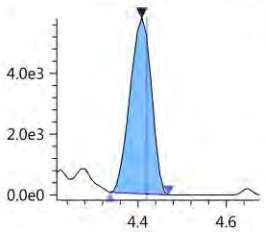
RT 4.408 Area 19638
Q 362.90>319.00 (-) 5.84e3



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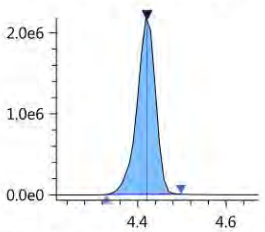
RT 4.421 Area 6373180
ISTD 366.90>322.10 (-) 2.19e6



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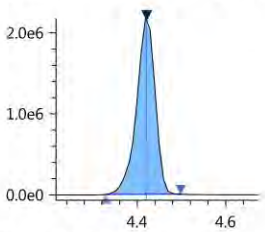
Conc 4.0439
RT 4.421 Area 6373180
Q 366.90>322.10 (-) 2.19e6



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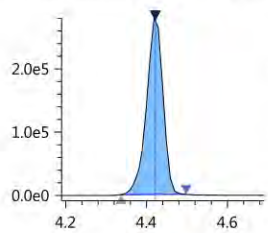
RT 4.422 Area 793862
ISTD 402.70>84.05 (-) 2.80e5



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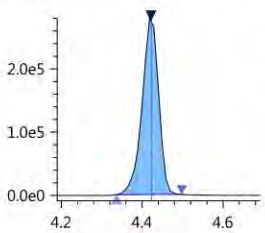
Conc 3.5492
RT 4.422 Area 793862
Q 402.70>84.05 (-) 2.80e5



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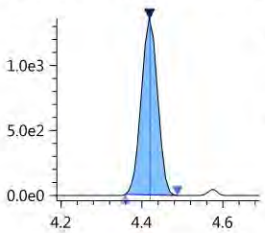
Conc -0.0349
RT 4.419 Area 3826
Q 399.00>80.00 (-) 1.36e3



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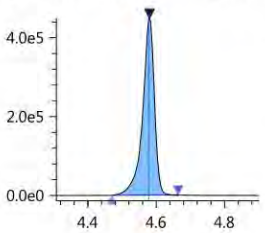
Q 428.90>409.00 (-) 4.50e5



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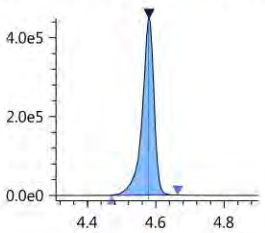
ISTD 428.90>409.00 (-) 4.50e5



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6_2-FTS_1
Conc 0.0271
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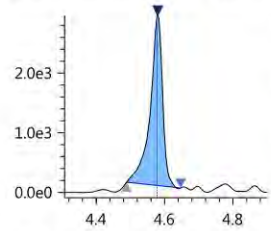
Q 427.00>407.00 (-) 2.97e3



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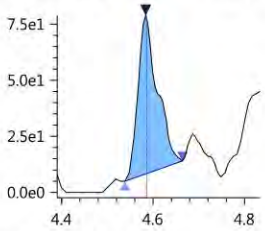
RT 4.584 Area 207
Q 449.00>80.15 (-) 7.90e1



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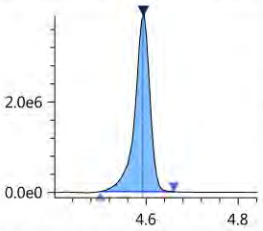
RT 4.594 Area 8903716
ISTD 416.80>372.05 (-) 3.92e6



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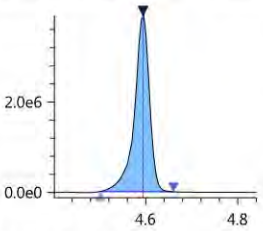
Q 416.80>372.05 (-) 3.92e6



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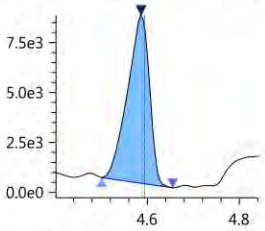

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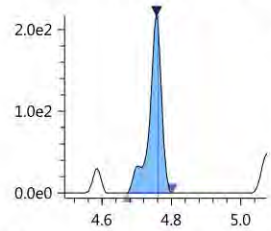
RT 4.757 Area 533
Q 499.00>80.00 (-) 2.17e2



PFOS-13C_IS
Conc 5.0000
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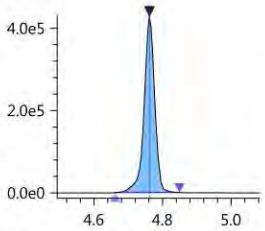
ISTD 502.80>80.05 (-) 4.31e5



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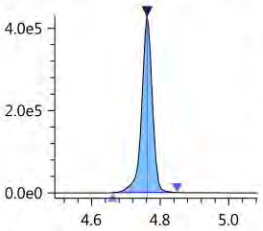
Q 502.80>80.05 (-) 4.31e5



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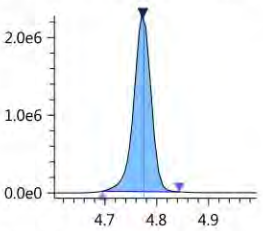
RT 4.773 Area 5308097
ISTD 467.80>423.00 (-) 2.28e6



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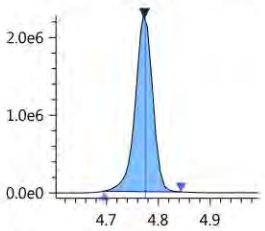
RT 4.773 Area 5308097
Q 467.80>423.00 (-) 2.28e6



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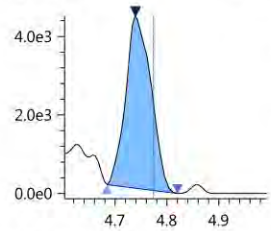
RT 4.739 Area 15009
Q 463.00>418.90 (-) 4.52e3



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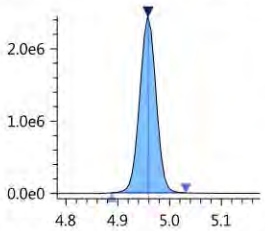

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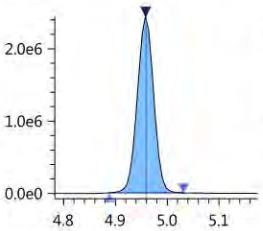

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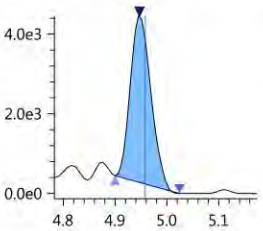
RT 4.947 Area 11583
Q 513.00>468.80 (-) 4.45e3



8_2-FTS-13C_IS
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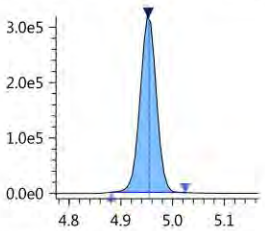
ISTD 528.80>509.00 (-) 3.20e5



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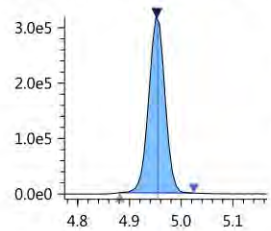
Q 528.80>509.00 (-) 3.20e5



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Conc 0.0026
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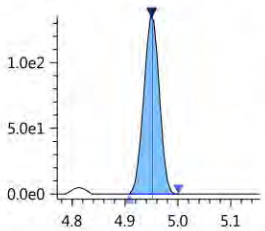
Q 527.10>506.90 (-) 1.35e2



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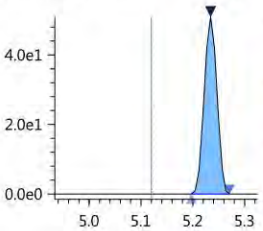
Q 599.00>79.90 (-) 5.10e1



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Conc -0.0127
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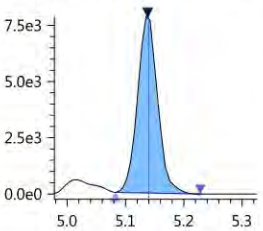
Q 563.00>518.90 (-) 7.88e3



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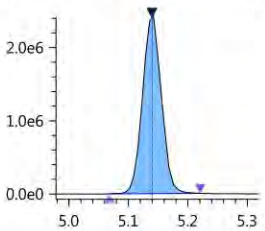
ISTD 564.80>519.95 (-) 2.42e6



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PFUnA-13C
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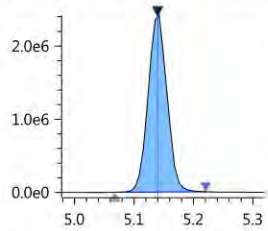

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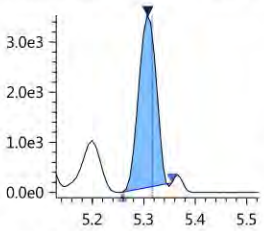
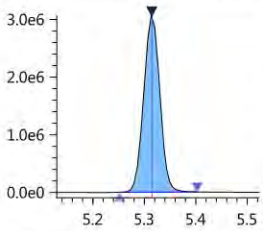
RT 5.308 Area 8146
Q 613.05>569.00 (-) 3.54e3



PFDoA-13C
Conc 4.8141
RT 5.315 Area 6692490
Q 614.80>569.95 (-) 3.08e6



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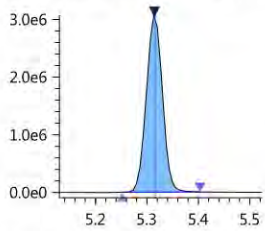
ISTD 614.80>569.95 (-) 3.08e6



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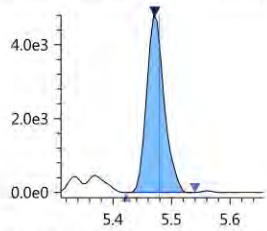
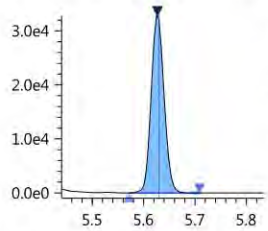
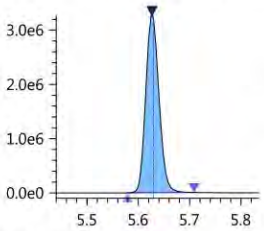
Conc 0.0005
RT 5.471 Area 10018
Q 663.00>618.90 (-) 4.80e3



PFTeDA
Conc -0.0030
RT 5.627 Area 57596
Q 713.40>669.00 (-) 3.28e4



PFTeDA-13C
Conc 5.5401
RT 5.627 Area 5866610
Q 714.70>669.90 (-) 3.27e6



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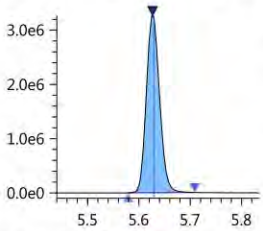
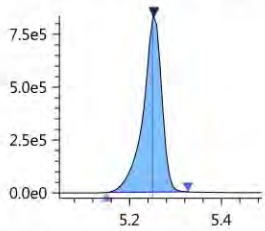
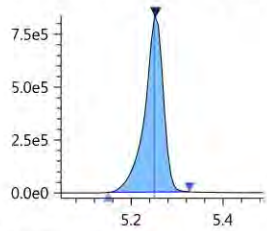
RT 5.627 Area 5866610
ISTD 714.70>669.90 (-) 3.27e6



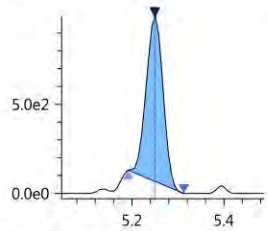
FOSA-13C_IS
Conc 5.0000
RT 5.253 Area 2342542
ISTD 506.00>78.05 (-) 8.38e5



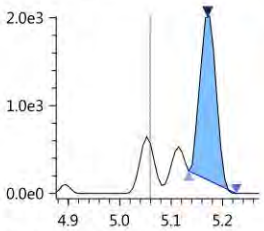
FOSA-13C
Conc 3.1790
RT 5.253 Area 2342542
Q 506.00>78.05 (-) 8.38e5



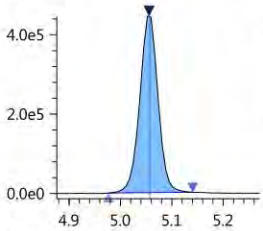
FOSA
Conc 0.0039
RT 5.250 Area 2357
Q 498.20>78.00 (-) 9.94e2



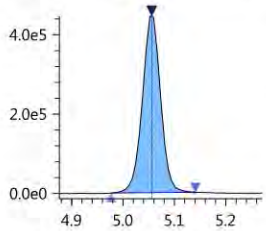
N-MeFOSAA
Conc 0.0280
RT 5.171 Area 4104
Q 570.20>419.00 (-) 2.02e3



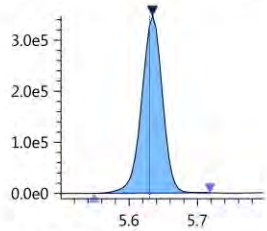
N-MeFOSAA-d3
Conc 7.4251
RT 5.056 Area 1105891
Q 572.80>419.05 (-) 4.47e5



N-MeFOSAA-d3_IS
Conc 5.0000
RT 5.056 Area 1105891
ISTD 572.80>419.05 (-) 4.47e5



N-MeFOSA-d3_IS
Conc 5.0000
RT 5.634 Area 729192
ISTD 514.90>168.90 (-) 3.47e5



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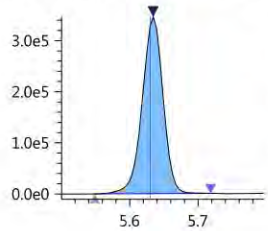
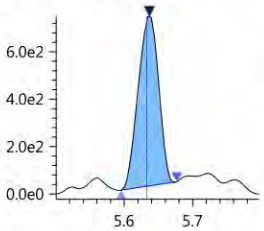
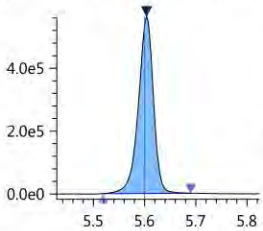
Conc 3.2732
RT 5.634 Area 729192
Q 514.90>168.90 (-) 3.47e5



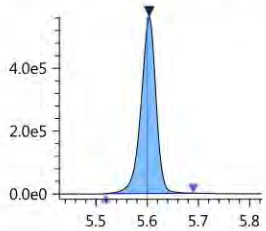
N-MeFOSA
Conc 0.0060
RT 5.637 Area 1490
Q 512.00>169.10 (-) 7.48e2



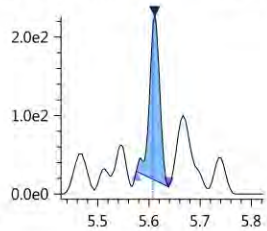
N-MeFOSE-d7
Conc 3.5672
RT 5.604 Area 1144128
Q 622.70>59.10 (-) 5.64e5



N-MeFOSE-d7_IS
Conc 5.0000
RT 5.604 Area 1144128
ISTD 622.70>59.10 (-) 5.64e5



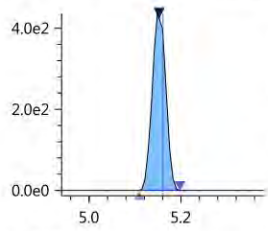
N-MeFOSE
Conc 0.0011
RT 5.611 Area 292
Q 616.00>59.00 (-) 2.26e2



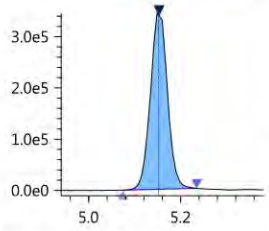
Insight Report

Printed at 6/21/2019 12:45:13 PM

N-EtFOSAA
Conc 0.0081
RT 5.152 Area 909
Q 584.20>418.95 (-) 4.37e2



N-EtFOSAA-d5_IS
Conc 5.0000
RT 5.153 Area 891211
ISTD 588.80>419.00 (-) 3.46e5



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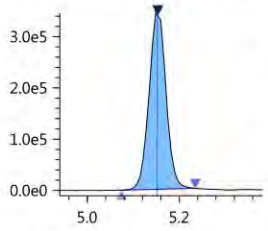
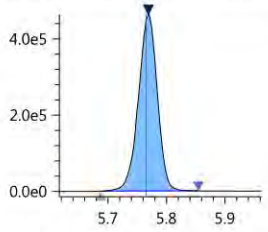
Conc 6.7947
RT 5.153 Area 891211
Q 588.80>419.00 (-) 3.46e5



N-EtFOSA-d9_IS
Conc 5.0000
RT 5.769 Area 1043450
ISTD 530.90>169.15 (-) 4.65e5



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Conc 3.1582
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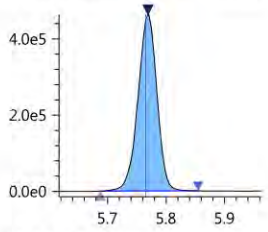
Q 530.90>169.15 (-) 4.65e5



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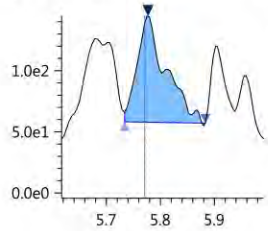
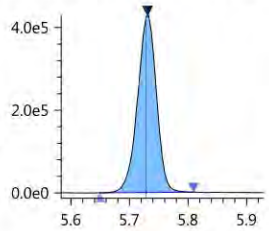
Conc 0.0076
RT 5.777 Area 321
Q 526.90>169.10 (-) 1.45e2



N-EtFOSE-d9_IS
Conc 5.0000
RT 5.731 Area 963985
ISTD 638.70>59.10 (-) 4.29e5



N-EtFOSE-d9
Conc 3.6698
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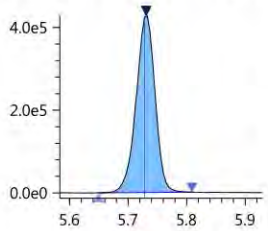
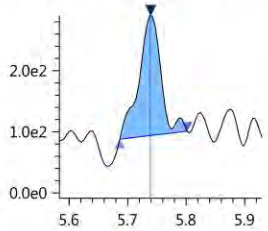
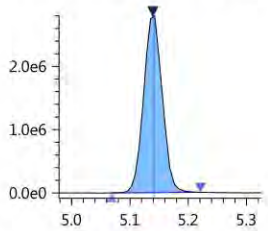
Q 638.70>59.10 (-) 4.29e5



N-EtFOSE
Conc 0.0020
RT 5.740 Area 510
Q 630.00>58.90 (-) 2.90e2



13C7-PFUnDA_IS
Conc 5.0000
RT 5.139 Area 6230605
ISTD 570.00>525.00 (-) 2.80e6



1st EJD 07/09/19
2nd 07/09/19

Validation Report

Data File: J:\LCMS06\Data\190702_b3\190702_051
Lab ID: KQ1909238-04
RunType: CCB
Matrix: Soil

Date Acquired: 7/2/19 20:04
Batch ID: 641752
Analysis Method: PFC/537M/PFOA

Validations

Validation Categories	Pass	Fail
ICAL Analyte Recovery	X	
Second Source ICAL Verification	X	
Continuing Calibration Recovery	X	
Internal Standards	X	
Surrogates	X	
Above Highest ICAL Level	X	

Primary Review: _____

Secondary Review: _____

Quantitation Report

Data File:	J:\LCMS06\Data\190702_b3\190702_051	**Instrument:**	K-LCMS-06
Acqu Date:	7/2/19 20:04	**Vial:**	4
Run Type:	CCB	**Dilution:**	1
Lab ID:	KQ1909238-04	**Raw Units:**	ng/mL

Bottle ID:		**Tier:**	II	**Matrix:**	Soil
Prod Code:	PFOA	**Collect Date:**	5/28/19	**Receive Date:**	5/30/19

Analysis Lot:	641752	**Prep Lot:**		**Report Group:**	KQ1909238
Analysis	PFC/537M	**Prep Method:**			
		Prep Date:			

Title:	Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS	**Calibration ID:**	KC1900243
		Report List ID:	19837

Internal Standard Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	Area Criteria
13C7-PFUnDA	5.123		6200421	5.0000	OK

Surrogate Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	% Rec	% Rec Criteria	Rpt?
13C4-PFOS	4.747	+0.00	878488	5.0861	102	32 - 130	Y
13C4-PFBA	3.394	0.00	4256843	5.2817	106	34 - 116	Y
13C5-PFPeA	3.968	+0.00	2578248	5.3925	108	39 - 133	Y
13C2-PFTeDA	5.613	+0.00	4933697	4.1563	83	39 - 138	Y

Target Compounds

Final Conc.Units: ng/g

Parameter Name	RT	RT Dev	Response	Solution Conc	Final Conc	Q	Rpt?
Perfluorooctane sulfonic acid (PFOS)	4.746		243	0.0018	0.014	U	Y
Perfluorobutanoic acid (PFBA)	0		0	0	0	U	Y
Perfluoropentanoic acid (PFPeA)	3.968	+0.00	147024	-0.0105	0	U	Y
Perfluorotridecanoic acid (PFTrDA)	5.459	0.00	11319	0.0059	0.047	U	Y
Perfluorotetradecanoic acid (PFTeDA)	5.612	0.00	49691	0.0017	0.014	U	Y

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report

Data File:	J:\LCMS06\Data\190702_b3\190702_051	**Instrument:**	K-LCMS-06
Acqu Date:	7/2/19 20:04	**Vial:**	3
Run Type:	CCB	**Dilution:**	1
Lab ID:	KQ1909238-02	**Raw Units:**	ng/mL

Bottle ID:		**Tier:**	IV	**Matrix:**	Water
Prod Code:	PFOA	**Collect Date:**	6/10/19	**Receive Date:**	6/12/19

Analysis Lot:	641752	**Prep Lot:**		**Report Group:**	KQ1909238
Analysis	PFC/537M	**Prep Method:**			
		Prep Date:			

Title:	Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS	**Calibration ID:**	KC1900243
		Report List ID:	20091

Internal Standard Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	Area Criteria
13C7-PFUnDA	5.123		6200421	5.0000	OK

Surrogate Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	% Rec	% Rec Criteria	Rpt?
13C4-PFOS	4.747	+0.00	878488	5.0861	102	25 - 121	Y
13C4-PFBA	3.394	0.00	4256843	5.2817	106	27 - 124	Y
13C5-PFPeA	3.968	+0.00	2578248	5.3925	108	27 - 138	Y
13C2-PFTeDA	5.613	+0.00	4933697	4.1563	83	13 - 124	Y

Target Compounds

Final Conc.Units: ng/L

Parameter Name	RT	RT Dev	Response	Solution Conc	Final Conc	Q	Rpt?
Perfluorooctane sulfonic acid (PFOS)	4.746		243	0.0018	0.058	U	Y
Perfluorobutanoic acid (PFBA)	0		0	0	0	U	Y
Perfluoropentanoic acid (PFPeA)	3.968	+0.00	147024	-0.0105	0	U	Y
Perfluorotridecanoic acid (PFTrDA)	5.459	0.00	11319	0.0059	0.19	U	Y
Perfluorotetradecanoic acid (PFTeDA)	5.612	0.00	49691	0.0017	0.054	U	Y

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Insight Report

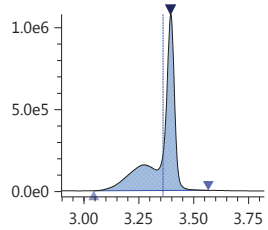
Printed at 7/9/2019 12:55:45 PM

190702_051

Sample ID: IB
Date acquired: 7/2/2019 8:04:16 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190702_b3\190702_051.lcd
Vial: 6 | Inj. Volume: 15.0000uL | Tray: 1

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
PFBA-13C_IS	Auto	3.394	4256843	4256843	2	5.0000	ng/mL	----
PFBA-13C	Auto	3.394	4256843	6200421	26	5.2817	ng/mL	----
PFBA	ND(W/B)	----	----	4256843	2	----	ng/mL	----
PFPeA-13C_IS	Auto	3.968	2578248	2578248	4	5.0000	ng/mL	----
PFPeA-13C	Auto	3.968	2578248	6200421	26	5.3925	ng/mL	----
PFPeA	Auto	3.968	147024	2578248	4	-0.0105	ng/mL	----
PFOS_1	Auto	4.746	243	878488	13	0.0018	ng/mL	----
PFOS-13C_IS	Auto	4.747	878488	878488	13	5.0000	ng/mL	----
PFOS-13C	Auto	4.747	878488	6200421	26	5.0861	ng/mL	----
PFTrDA	Auto	5.459	11319	4933697	22	0.0059	ng/mL	----
PFTeDA	Auto	5.612	49691	4933697	22	0.0017	ng/mL	----
PFTeDA-13C	Auto	5.613	4933697	6200421	26	4.1563	ng/mL	----
PFTeDA-13C_IS	Auto	5.613	4933697	4933697	22	5.0000	ng/mL	----
13C7-PFUnDA_IS	Auto	5.123	6200421	6200421	26	5.0000	ng/mL	----

PFBA-13C_IS
Conc 5.0000
RT 3.394 Area 4256843
ISTD 216.90>172.15 (-) 1.08e6



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Conc 5.2817
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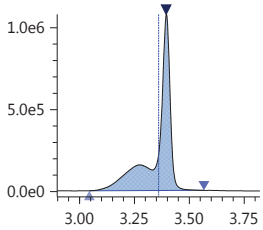
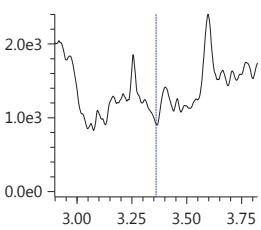
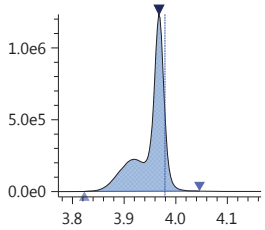
Q 216.90>172.15 (-) 1.08e6



PFBA
Conc ----
RT ---- Area ----
Q 213.00>169.10 (-) 2.40e3



PFPeA-13C_IS
Conc 5.0000
RT 3.968 Area 2578248
ISTD 267.90>223.00 (-) 1.23e6



PFPeA-13C
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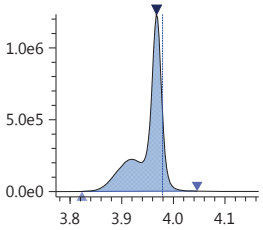
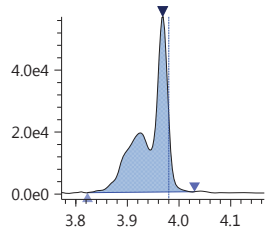
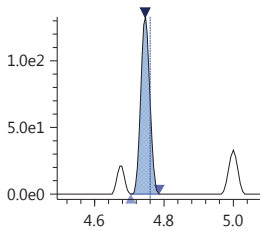
RT 3.968 Area 2578248
Q 267.90>223.00 (-) 1.23e6



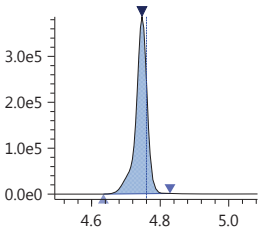
PFPeA
Conc -0.0105
RT 3.968 Area 147024
Q 263.05>219.10 (-) 5.72e4



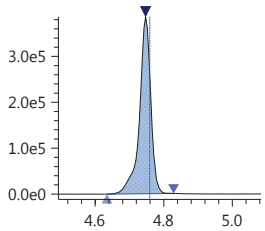
PFOS_1
Conc 0.0018
RT 4.746 Area 243
Q 499.00>80.00 (-) 1.33e2



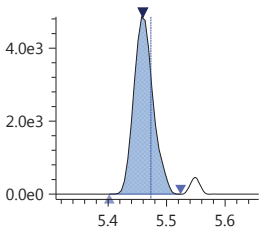
PFOS-13C_IS
Conc 5.0000
RT 4.747 Area 878488
ISTD 502.80>80.05 (-) 3.86e5



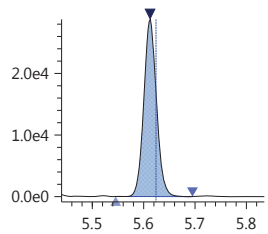
PFOS-13C
Conc 5.0861
RT 4.747 Area 878488
Q 502.80>80.05 (-) 3.86e5



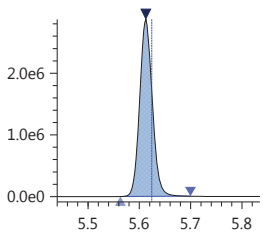
PFTrDA
Conc 0.0059
RT 5.459 Area 11319
Q 663.00>618.90 (-) 4.86e3



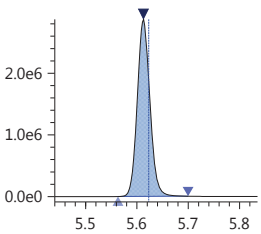
PFTeDA
Conc 0.0017
RT 5.612 Area 49691
Q 713.40>669.00 (-) 2.88e4



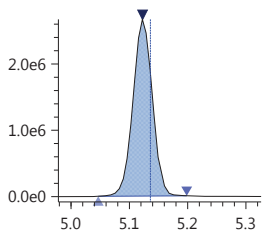
PFTeDA-13C
Conc 4.1563
RT 5.613 Area 4933697
Q 714.70>669.90 (-) 2.87e6



PFTeDA-13C_IS
Conc 5.0000
RT 5.613 Area 4933697
ISTD 714.70>669.90 (-) 2.87e6



13C7-PFUnDA_IS
Conc 5.0000
RT 5.123 Area 6200421
ISTD 570.00>525.00 (-) 2.67e6



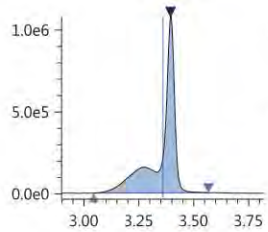
Insight Report

Printed at 7/9/2019 12:50:23 PM

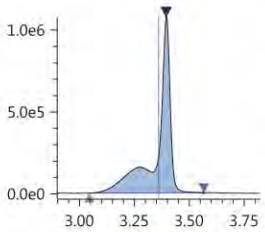
190702_051

Sample ID: IB
Date acquired: 7/2/2019 8:04:16 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190702_b3\190702_051.lcd
Vial: 6 | Inj. Volume: 15.0000uL | Tray: 1

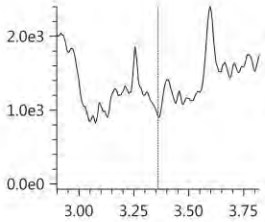
PFBA-13C_IS
Conc 5.0000
RT 3.394 Area 4256843
ISTD 216.90>172.15 (-) 1.08e6



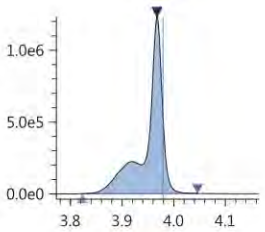
PFBA-13C
Conc 5.2817
RT 3.394 Area 4256843
Q 216.90>172.15 (-) 1.08e6



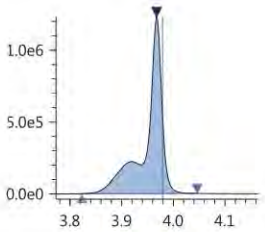
PFBA
Conc ----
RT ---- Area ----
Q 213.00>169.10 (-) 2.40e3



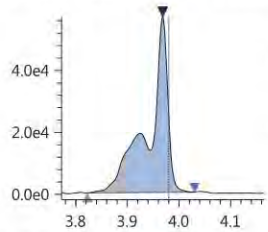
PFPeA-13C_IS
Conc 5.0000
RT 3.968 Area 2578248
ISTD 267.90>223.00 (-) 1.23e6



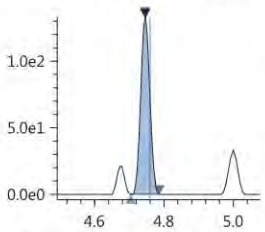
PFPeA-13C
Conc 5.3925
RT 3.968 Area 2578248
Q 267.90>223.00 (-) 1.23e6



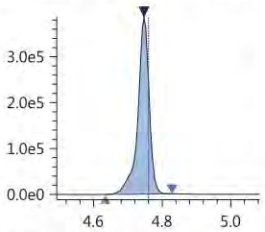
PFPeA
Conc -0.0105
RT 3.968 Area 147024
Q 263.05>219.10 (-) 5.72e4



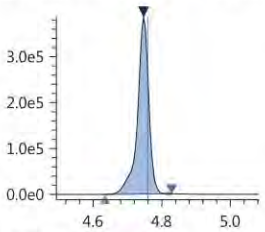
PFOS_1
Conc 0.0018
RT 4.746 Area 243
Q 499.00>80.00 (-) 1.33e2



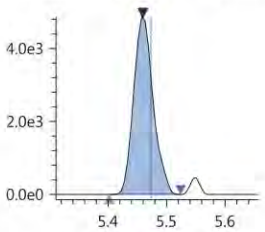
PFOS-13C_IS
Conc 5.0000
RT 4.747 Area 878488
ISTD 502.80>80.05 (-) 3.86e5



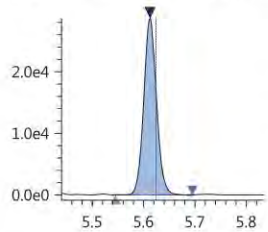
PFOS-13C
Conc 5.0861
RT 4.747 Area 878488
Q 502.80>80.05 (-) 3.86e5



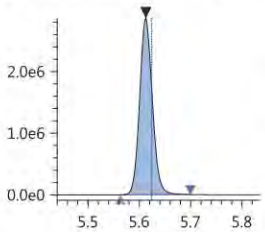
PFTrDA
Conc 0.0059
RT 5.459 Area 11319
Q 663.00>618.90 (-) 4.86e3



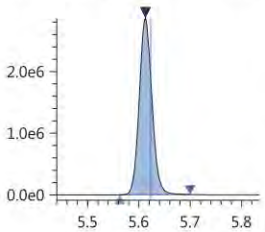
PFTeDA
Conc 0.0017
RT 5.612 Area 49691
Q 713.40>669.00 (-) 2.88e4



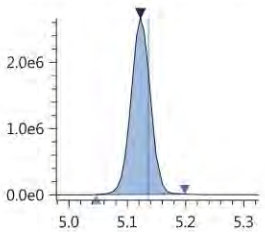
PFTeDA-13C
Conc 4.1563
RT 5.613 Area 4933697
Q 714.70>669.90 (-) 2.87e6



PFTeDA-13C_IS
Conc 5.0000
RT 5.613 Area 4933697
ISTD 714.70>669.90 (-) 2.87e6



13C7-PFUnDA_IS
Conc 5.0000
RT 5.123 Area 6200421
ISTD 570.00>525.00 (-) 2.67e6



1st CM 06/21/19
2nd 06/24/19

Validation Report

Data File: J:\LCMS06\Data\190620_b2\190620_032
Lab ID: KQ1908636-01
RunType: CCV
Matrix: Water

Date Acquired: 6/20/19 18:45
Batch ID: 640215
Analysis Method: PFC/537M/PFOA

Validations

Validation Categories	Pass	Fail
ICAL Analyte Recovery	X	
Second Source ICAL Verification	X	
Internal Standards	X	
Above Highest ICAL Level	X	

Primary Review: _____

Secondary Review: _____

1st CM 06/21/19
2nd 06/24/19

Quantitation Report

Data File:	J:\LCMS06\Data\190620_b2\190620_032	**Instrument:**	K-LCMS-06
Acqu Date:	6/20/19 18:45	**Vial:**	1
Run Type:	CCV	**Dilution:**	1
Lab ID:	KQ1908636-01	**Raw Units:**	ng/mL

Bottle ID:		**Tier:**	II	**Matrix:**	Water
Prod Code:	PFOA	**Collect Date:**	6/12/19	**Receive Date:**	6/13/19

Analysis Lot:	640215	**Prep Lot:**		**Report Group:**	KQ1908636
Analysis	PFC/537M	**Prep Method:**			
		Prep Date:			

Title:	Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS	**Calibration ID:**	KC1900234
		Report List ID:	20091

Internal Standard Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	Area Criteria
13C7-PFUnDA	5.140		5499785	5.0000	OK

Surrogate Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	Rpt?
13C3-PFBS	4.034		1432834	3.7319	Y
18O2-PFHxS	4.423		890167	4.5086	Y
13C4-PFOS	4.762		901426	3.6373	Y
13C4-PFBA	3.420		4426423	4.2161	Y
13C5-PFPeA	3.981		2470023	3.8824	Y
13C2-PFHxA	4.239		6771992	4.7219	Y
13C4-PFHpA	4.422		6947189	4.9939	Y
13C4-PFOA	4.595		8300048	4.9163	Y
13C5-PFNA	4.775		5396310	4.7597	Y
13C2-PFDA	4.959		5157251	4.8574	Y
13C2-PFUnDA	5.140		4809139	5.5124	Y
13C2-PFDoDA	5.316		6412623	5.2258	Y
13C2-PFTeDA	5.628		6019289	6.4396	Y
13C8-FOSA	5.254		2142841	3.2944	Y
D3-MeFOSA	5.636		739915	3.7626	Y
D5-EtFOSA	5.771		1070040	3.6690	Y
D7-MeFOSE	5.605		1093795	3.8634	Y
D9-EtFOSE	5.733		938043	4.0455	Y
D3-MeFOSAA	5.057		1033942	7.8645	Y
D5-EtFOSAA	5.154		847769	7.3224	Y
13C2-6:2 FTS	4.582		979091	7.0423	Y
13C2-8:2 FTS	4.954		651811	8.4388	Y

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

1st CM 06/21/19
2nd 06/24/19

Data File:	J:\LCMS06\Data\190620_b2\190620_032	**Instrument:**	K-LCMS-06
Acqu Date:	6/20/19 18:45	**Vial:**	1
Run Type:	CCV	**Dilution:**	1
Lab ID:	KQ1908636-01	**Raw Units:**	ng/mL

Target Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	Rpt?
Perfluorobutane sulfonic acid (PFBS)	4.033		272558	0.8106	Y
Perfluorohexane sulfonic acid (PFHxS)	4.421		184435	0.7597	Y
Perfluoroheptane sulfonic acid (PFHpS)	4.588		210770	0.7300	Y
Perfluorooctane sulfonic acid (PFOS)	4.762		112663	0.7488	Y
Perfluorodecane sulfonic acid (PFDS)	5.121		121063	0.7471	Y
Perfluorobutanoic acid (PFBA)	3.421		840540	0.9299	Y
Perfluoropentanoic acid (PFPeA)	3.982		1307980	0.9769	Y
Perfluorohexanoic acid (PFHxA)	4.239		1466930	0.9314	Y
Perfluoroheptanoic acid (PFHpA)	4.422		1268594	0.9563	Y
Perfluorooctanoic acid (PFOA)	4.595		1322219	0.8594	Y
Perfluorononanoic acid (PFNA)	4.775		847003	0.8568	Y
Perfluorodecanoic acid (PFDA)	4.959		978954	0.9324	Y
Perfluoroundecanoic acid (PFUnDA)	5.140		774831	0.9049	Y
Perfluorododecanoic acid (PFDoDA)	5.316		678643	0.8475	Y
Perfluorotridecanoic acid (PFTrDA)	5.478		949881	0.8113	Y
Perfluorotetradecanoic acid (PFTeDA)	5.628		442189	0.9345	Y
Perfluorooctane sulfonamide (FOSA)	5.254		478951	0.8734	Y
N-Methyl perfluorooctane sulfonamide (MeFOSA)	5.639		240722	0.9544	Y
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	5.777		44491	1.0314	Y
N-Methyl perfluorooctane sulfonamidoethanol	5.612		249216	0.9531	Y
N-Ethyl perfluorooctane sulfonamidoethanol	5.744		232773	0.9492	Y
N-Methyl perfluorooctane sulfonamidoacetic acid	5.059		139078	1.0136	Y
N-Ethyl perfluorooctane sulfonamidoacetic acid	5.156		98129	0.9168	Y
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	4.581		221818	0.9174	Y
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	4.953		102149	1.0269	Y

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Insight Report

Printed at 6/21/2019 1:50:21 PM

Method File: J:\LCMS06\Data\190620_b2\190620_b2.lcm
Project File: J:\LCMS06\Data\190620_b2\190620_b2.damlp
Flags File: J:\LCMS06\Data\190620_b2\190620_b2.damlp

190620_032

Sample ID: 1.0 PPB CCV
Date acquired: 6/20/2019 6:45:21 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190620_b2\190620_032.lcd
Vial: 16 | Inj. Volume: 15.0000uL | Tray: 1

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
PFBA-13C_IS	Auto	3.420	4426423	4426423	2	5.0000	ng/mL	5.0000
PFBA-13C	Auto	3.420	4426423	5499785	26	4.2161	ng/mL	5.0000
PFBA	Auto	3.421	840540	4426423	2	0.9299	ng/mL	1.0000
PFPeA-13C_IS	Auto	3.981	2470023	2470023	4	5.0000	ng/mL	5.0000
PFPeA-13C	Auto	3.981	2470023	5499785	26	3.8824	ng/mL	5.0000
PFPeA	Auto	3.982	1307980	2470023	4	0.9769	ng/mL	1.0000
PFBS_1	Auto	4.033	272558	1432834	16	0.8106	ng/mL	0.8874
PFBS-13C	Auto	4.034	1432834	5499785	26	3.7319	ng/mL	5.0000
PFBS-13C_IS	Auto	4.034	1432834	1432834	16	5.0000	ng/mL	5.0000
PFHxA-13C_IS	Auto	4.239	6771992	6771992	6	5.0000	ng/mL	5.0000
PFHxA-13C	Auto	4.239	6771992	5499785	26	4.7219	ng/mL	5.0000
PFHxA	Auto	4.239	1466930	6771992	6	0.9314	ng/mL	1.0000
PFHpA	Auto	4.422	1268594	6947189	8	0.9563	ng/mL	1.0000
PFHpA-13C_IS	Auto	4.422	6947189	6947189	8	5.0000	ng/mL	5.0000
PFHpA-13C	Auto	4.422	6947189	5499785	26	4.9939	ng/mL	5.0000
PFHxS-18O_IS	Auto	4.423	890167	890167	7	5.0000	ng/mL	5.0000
PFHxS-18O	Auto	4.423	890167	5499785	26	4.5086	ng/mL	5.0000
PFHxS_1	Auto	4.421	184435	890167	7	0.7597	ng/mL	0.9131
6_2-FTS-13C	Auto	4.582	979091	5499785	26	7.0423	ng/mL	5.0000
6_2-FTS-13C_IS	Auto	4.582	979091	979091	10	5.0000	ng/mL	5.0000
6_2-FTS_1	Auto	4.581	221818	979091	10	0.9174	ng/mL	0.9512
PFHpS_1	Auto	4.588	210770	890167	7	0.7300	ng/mL	0.9534
PFOA-13C_IS	Auto	4.595	8300048	8300048	9	5.0000	ng/mL	5.0000
PFOA-13C	Auto	4.595	8300048	5499785	26	4.9163	ng/mL	5.0000
PFOA	Auto	4.595	1322219	8300048	9	0.8594	ng/mL	1.0000
PFOS_1	Auto	4.762	112663	901426	13	0.7488	ng/mL	0.9292
PFOS-13C_IS	Auto	4.762	901426	901426	13	5.0000	ng/mL	5.0000
PFOS-13C	Auto	4.762	901426	5499785	26	3.6373	ng/mL	5.0000
PFNA-13C_IS	Auto	4.775	5396310	5396310	11	5.0000	ng/mL	5.0000
PFNA-13C	Auto	4.775	5396310	5499785	26	4.7597	ng/mL	5.0000
PFNA	Auto	4.775	847003	5396310	11	0.8568	ng/mL	1.0000
PFDA-13C_IS	Auto	4.959	5157251	5157251	12	5.0000	ng/mL	5.0000
PFDA-13C	Auto	4.959	5157251	5499785	26	4.8574	ng/mL	5.0000
PFDA	Auto	4.959	978954	5157251	12	0.9324	ng/mL	1.0000
8_2-FTS-13C_IS	Auto	4.954	651811	651811	15	5.0000	ng/mL	5.0000
8_2-FTS-13C	Auto	4.954	651811	5499785	26	8.4388	ng/mL	5.0000
8_2-FTS_1	Auto	4.953	102149	651811	15	1.0269	ng/mL	0.9600
PFDS_1	Auto	5.121	121063	901426	13	0.7471	ng/mL	0.9647
PFUnA	Auto	5.140	774831	4809139	14	0.9049	ng/mL	1.0000
PFUnA-13C_IS	Auto	5.140	4809139	4809139	14	5.0000	ng/mL	5.0000
PFUnA-13C	Auto	5.140	4809139	5499785	26	5.5124	ng/mL	5.0000
PFDoA	Auto	5.316	678643	6412623	17	0.8475	ng/mL	1.0000
PFDoA-13C	Auto	5.316	6412623	5499785	26	5.2258	ng/mL	5.0000
PFDoA-13C_IS	Auto	5.316	6412623	6412623	17	5.0000	ng/mL	5.0000
PFTrDA	Auto	5.478	949881	6019289	22	0.8113	ng/mL	1.0000
PFTeDA	Auto	5.628	442189	6019289	22	0.9345	ng/mL	1.0000
PFTeDA-13C	Auto	5.628	6019289	5499785	26	6.4396	ng/mL	5.0000
PFTeDA-13C_IS	Auto	5.628	6019289	6019289	22	5.0000	ng/mL	5.0000
FOSA-13C_IS	Auto	5.254	2142841	2142841	18	5.0000	ng/mL	5.0000
FOSA-13C	Auto	5.254	2142841	5499785	26	3.2944	ng/mL	5.0000
FOSA	Auto	5.254	478951	2142841	18	0.8734	ng/mL	1.0000
N-MeFOSAA	Auto	5.059	139078	1033942	19	1.0136	ng/mL	1.0000
N-MeFOSAA-d3	Auto	5.057	1033942	5499785	26	7.8645	ng/mL	5.0000
N-MeFOSAA-d3_IS	Auto	5.057	1033942	1033942	19	5.0000	ng/mL	5.0000
N-MeFOSA-d3_IS	Auto	5.636	739915	739915	1	5.0000	ng/mL	5.0000
N-MeFOSA-d3	Auto	5.636	739915	5499785	26	3.7626	ng/mL	5.0000
N-MeFOSA	Auto	5.639	240722	739915	1	0.9544	ng/mL	1.0000
N-MeFOSE-d7	Auto	5.605	1093795	5499785	26	3.8634	ng/mL	5.0000
N-MeFOSE-d7_IS	Auto	5.605	1093795	1093795	20	5.0000	ng/mL	5.0000
N-MeFOSE	Auto	5.612	249216	1093795	20	0.9531	ng/mL	1.0000
N-EtFOSAA	M	5.156	98129	847769	21	0.9168	ng/mL	1.0000
N-EtFOSAA-d5_IS	Auto	5.154	847769	847769	21	5.0000	ng/mL	5.0000
N-EtFOSAA-d5	Auto	5.154	847769	5499785	26	7.3224	ng/mL	5.0000
N-EtFOSA-d9_IS	Auto	5.771	1070040	1070040	23	5.0000	ng/mL	5.0000

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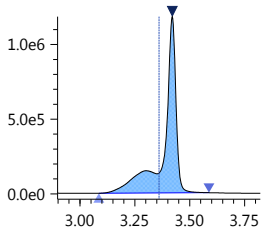
(Table continued from previous page)

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
N-EtFOSA-d9	Auto	5.771	1070040	5499785	26	3.6690	ng/mL	5.0000
N-EtFOSA	Auto	5.777	44491	1070040	23	1.0314	ng/mL	1.0000
N-EtFOSE-d9_IS	Auto	5.733	938043	938043	24	5.0000	ng/mL	5.0000
N-EtFOSE-d9	Auto	5.733	938043	5499785	26	4.0455	ng/mL	5.0000
N-EtFOSE	Auto	5.744	232773	938043	24	0.9492	ng/mL	1.0000
13C7-PFUnDA_IS	Auto	5.140	5499785	5499785	26	5.0000	ng/mL	5.0000

PFBA-13C_IS
Conc 5.0000
RT 3.420 Area 4426423
ISTD 216.90>172.15 (-) 1.19e6



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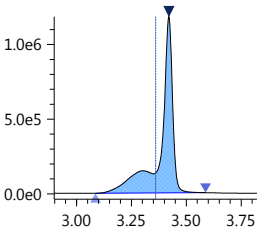
Conc 4.2161
RT 3.420 Area 4426423
Q 216.90>172.15 (-) 1.19e6



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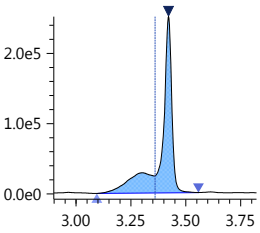
Conc 0.9299
RT 3.421 Area 840540
Q 213.00>169.10 (-) 2.52e5



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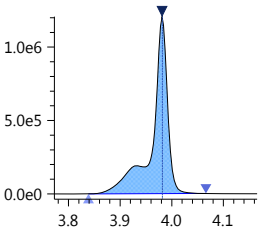
Conc 5.0000
RT 3.981 Area 2470023
ISTD 267.90>223.00 (-) 1.21e6



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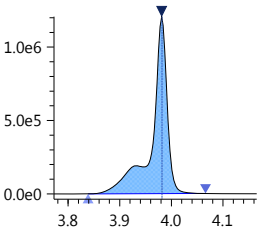
Conc 3.8824
RT 3.981 Area 2470023
Q 267.90>223.00 (-) 1.21e6



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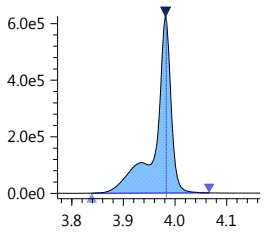
Conc 0.9769
RT 3.982 Area 1307980
Q 263.05>219.10 (-) 6.26e5



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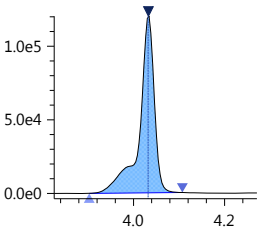
Q 299.00>80.00 (-) 1.20e5



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Conc 3.7319
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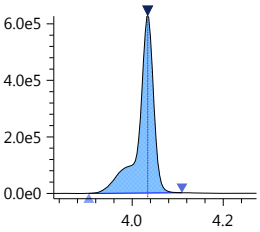
Q 301.80>80.00 (-) 6.27e5



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RT 4.034 Area 1432834
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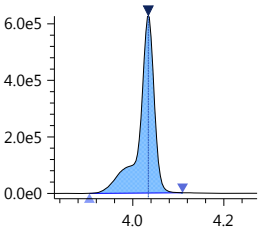

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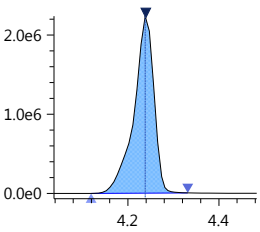
ISTD 314.90>270.10 (-) 2.24e6



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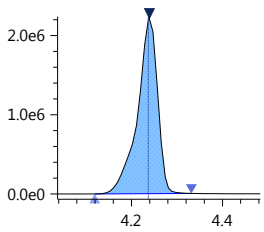
Conc 4.7219
RT 4.239 Area 6771992
Q 314.90>270.10 (-) 2.24e6



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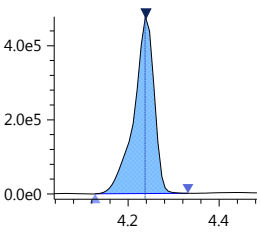
Conc 0.9314
RT 4.239 Area 1466930
Q 313.00>269.00 (-) 4.78e5



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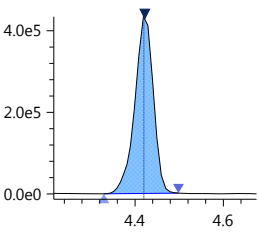
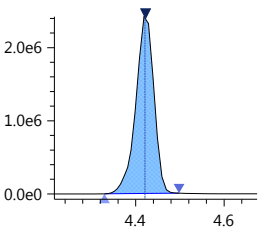
RT 4.422 Area 1268594
Q 362.90>319.00 (-) 4.35e5



PFHpA-13C_IS
Conc 5.0000
RT 4.422 Area 6947189
ISTD 366.90>322.10 (-) 2.42e6



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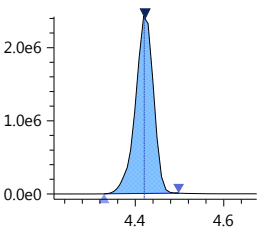
Conc 4.9939
RT 4.422 Area 6947189
Q 366.90>322.10 (-) 2.42e6



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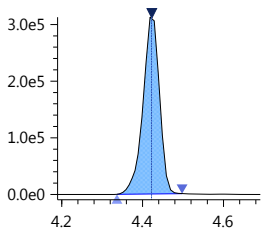
Conc 5.0000
RT 4.423 Area 890167
ISTD 402.70>84.05 (-) 3.13e5



PFHxS-18O
Conc 4.5086
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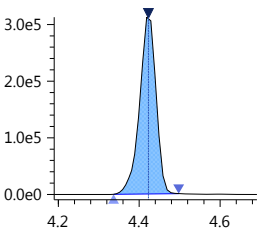

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Conc 0.7597
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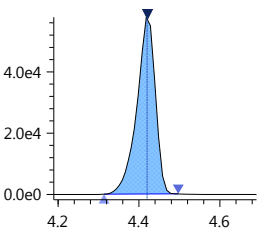
Q 399.00>80.00 (-) 5.79e4



6_2-FTS-13C
Conc 7.0423
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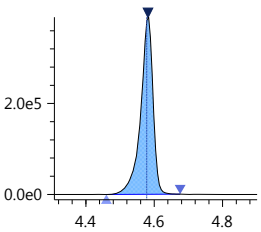
Q 428.90>409.00 (-) 3.90e5



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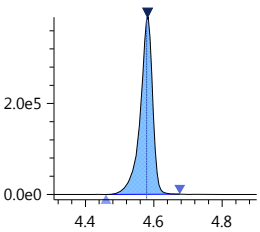
RT 4.582 Area 979091
ISTD 428.90>409.00 (-) 3.90e5



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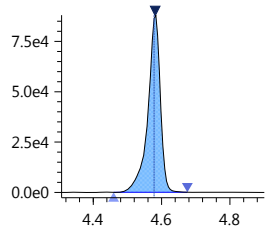
Conc 0.9174
RT 4.581 Area 221818
Q 427.00>407.00 (-) 8.80e4



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Conc 0.7300
RT 4.588 Area 210770
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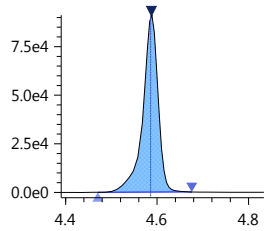

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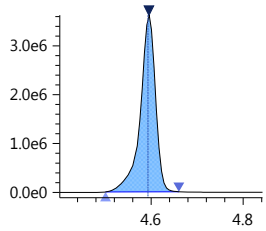
Conc 5.0000
RT 4.595 Area 8300048
ISTD 416.80>372.05 (-) 3.63e6



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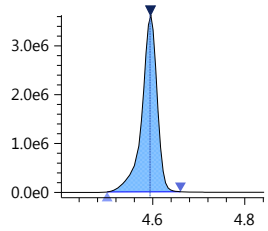

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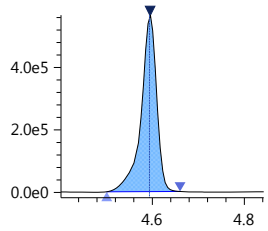

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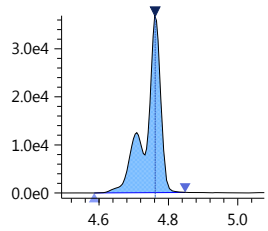

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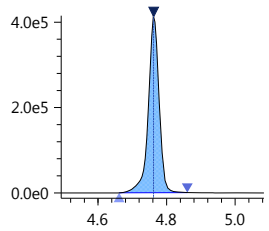
Conc 5.0000
RT 4.762 Area 901426
ISTD 502.80>80.05 (-) 4.15e5



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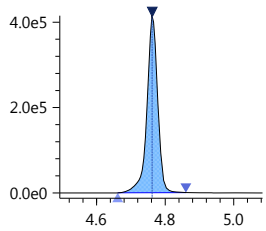

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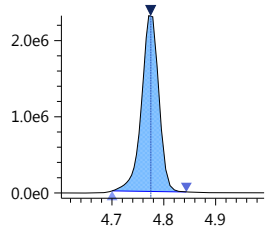
RT 4.775 Area 5396310
ISTD 467.80>423.00 (-) 2.33e6



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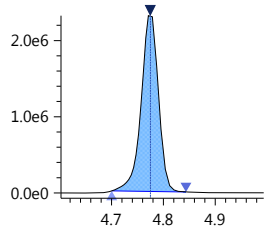

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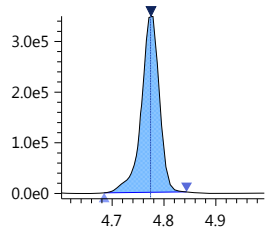

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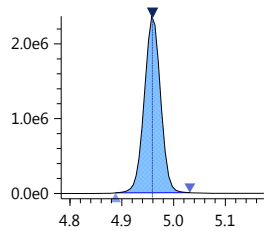

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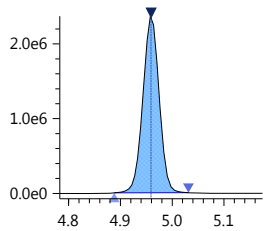

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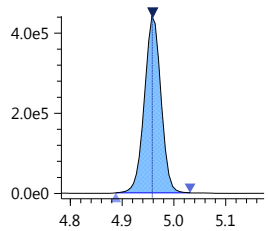

8_2-FTS-13C_IS
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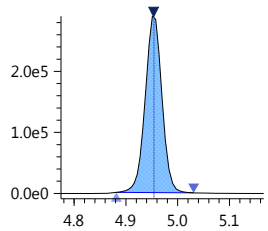

8_2-FTS-13C
Conc 8.4388
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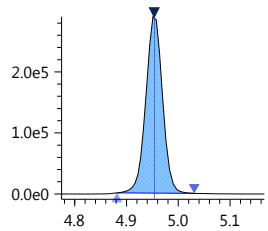
Q 528.80>509.00 (-) 2.90e5



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Conc 1.0269
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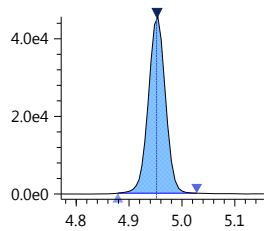

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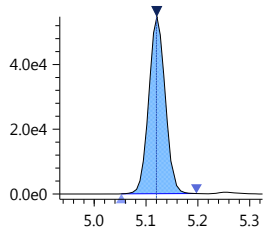
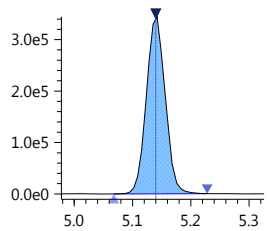
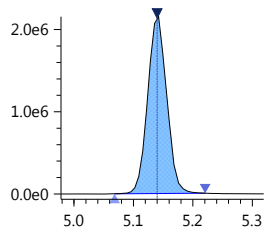
Conc 0.7471
RT 5.121 Area 121063
Q 599.00>79.90 (-) 5.48e4



PFUnA
Conc 0.9049
RT 5.140 Area 774831
Q 563.00>518.90 (-) 3.45e5



PFUnA-13C_IS
Conc 5.0000
RT 5.140 Area 4809139
ISTD 564.80>519.95 (-) 2.16e6



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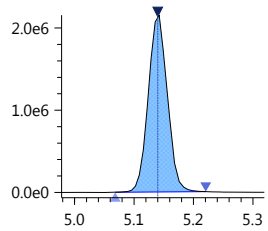
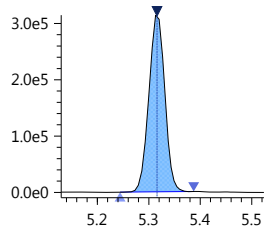
Q 564.80>519.95 (-) 2.16e6



PFDoA
Conc 0.8475
RT 5.316 Area 678643
Q 613.05>569.00 (-) 3.15e5



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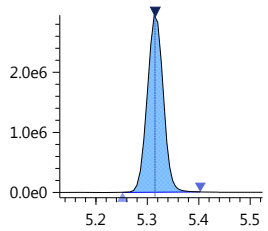
Q 614.80>569.95 (-) 2.95e6



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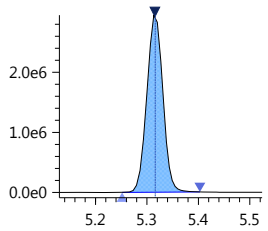

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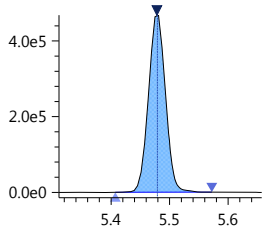

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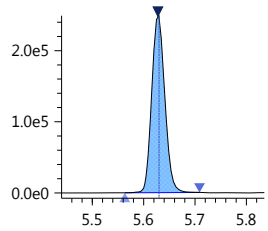
Q 713.40>669.00 (-) 2.49e5



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RT 5.628 Area 6019289
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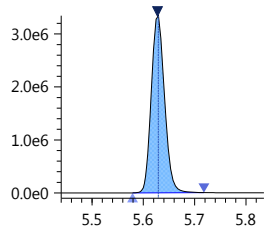

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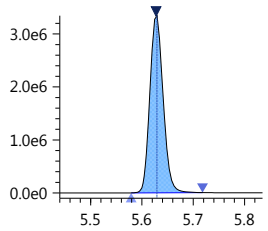

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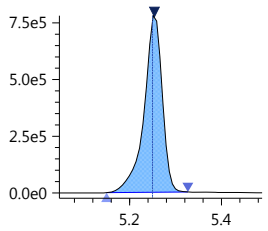

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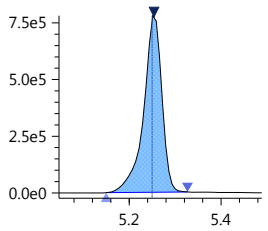

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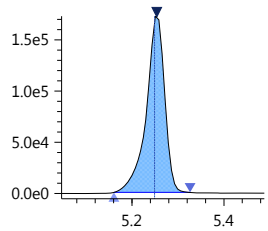

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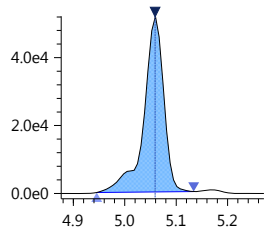

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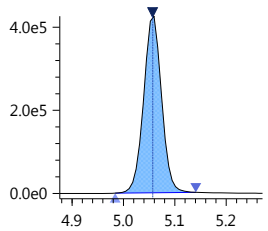

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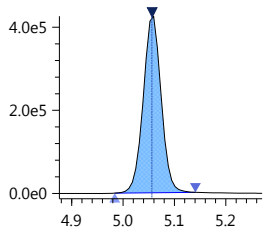

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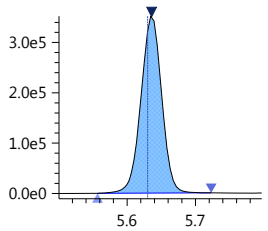

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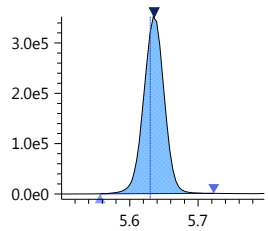

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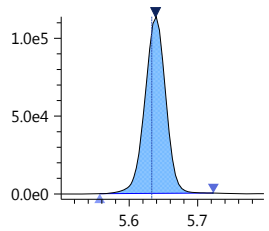

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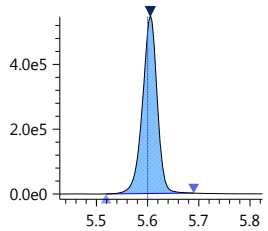
Q 622.70>59.10 (-) 5.47e5



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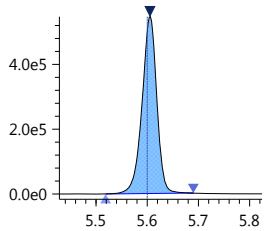

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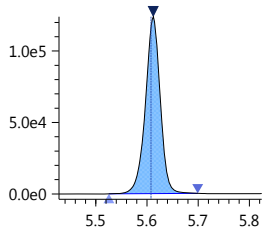

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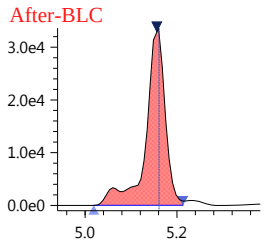

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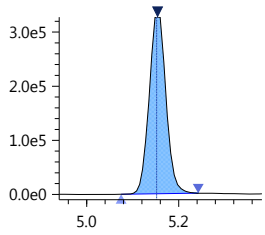

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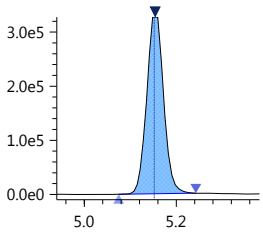

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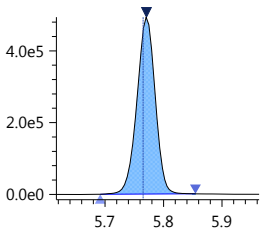

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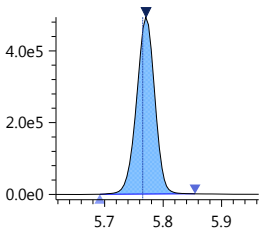

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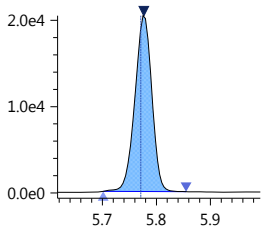

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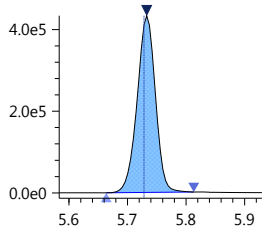

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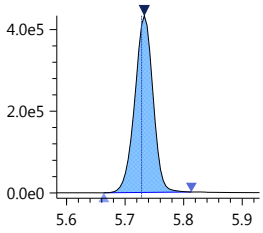

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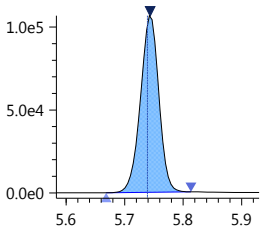

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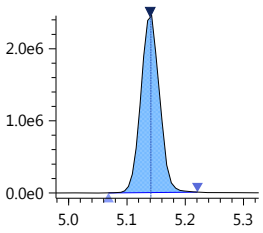

Insight Report

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190620_032

Sample ID: 1.0 PPB CCV
Date acquired: 6/20/2019 6:45:21 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190620_b2\190620_032.lcd
Vial: 16 | Inj. Volume: 15.0000uL | Tray: 1

PFBA-13C_IS
Conc 5.0000
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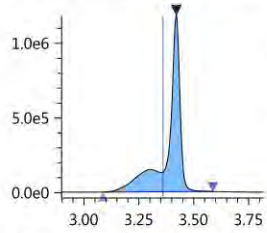

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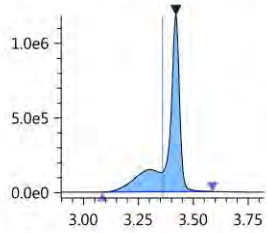

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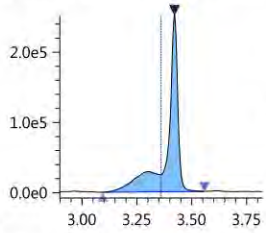

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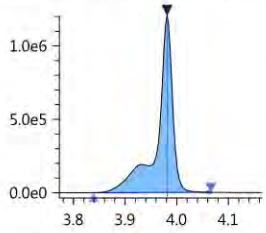

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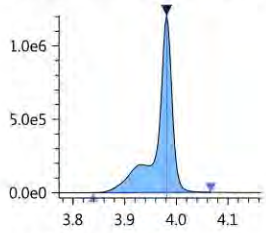

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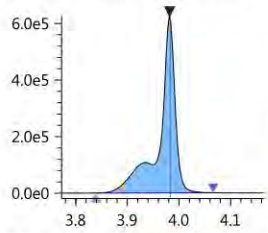

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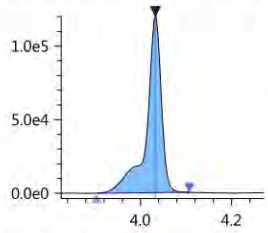

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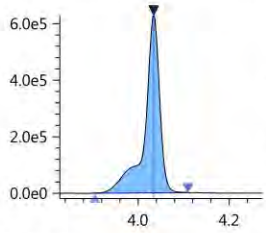

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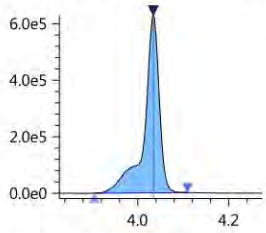

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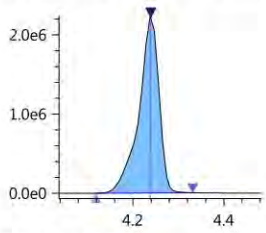

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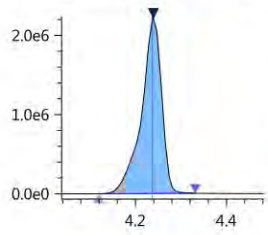

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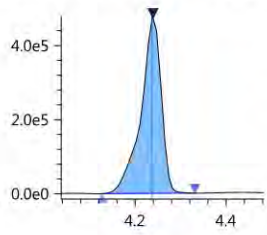

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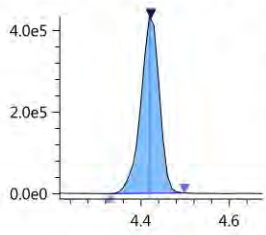

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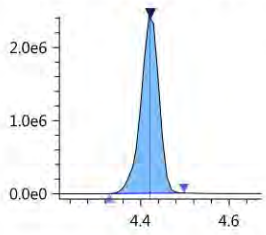

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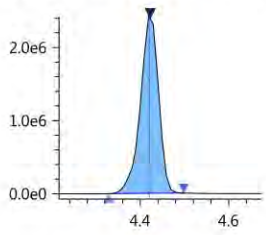
RT 4.422 Area 6947189
Q 366.90>322.10 (-) 2.42e6



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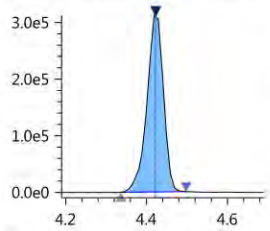
PFHxS-18O_IS
Conc 5.0000
RT 4.423 Area 890167
ISTD 402.70>84.05 (-) 3.13e5



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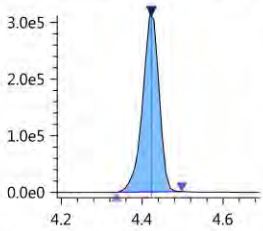

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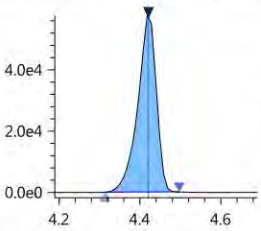

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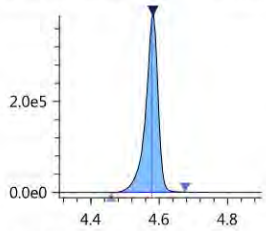
Conc 7.0423
RT 4.582 Area 979091
Q 428.90>409.00 (-) 3.90e5



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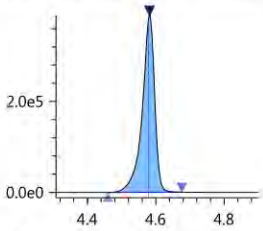
ISTD 428.90>409.00 (-) 3.90e5



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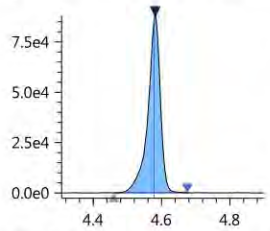
Q 427.00>407.00 (-) 8.80e4



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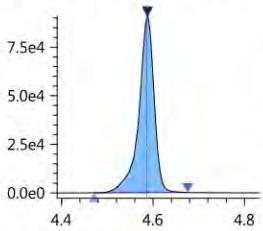
Conc 0.7300
RT 4.588 Area 210770
Q 449.00>80.15 (-) 9.12e4



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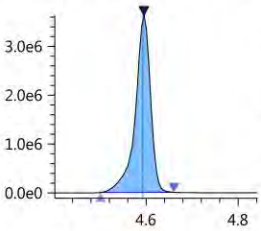
ISTD 416.80>372.05 (-) 3.63e6



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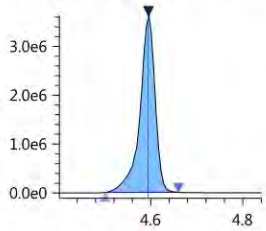
Q 416.80>372.05 (-) 3.63e6



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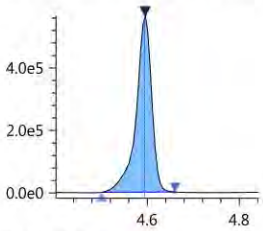

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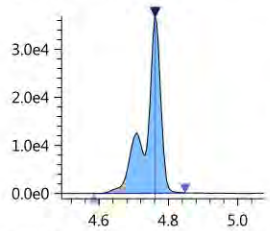

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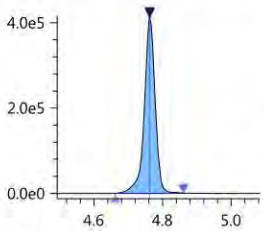
RT 4.762 Area 901426
ISTD 502.80>80.05 (-) 4.15e5



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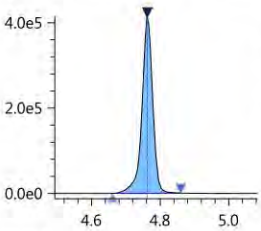

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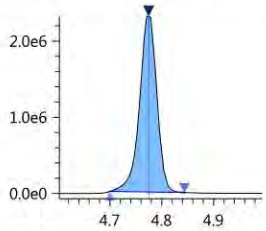

PFNA-13C
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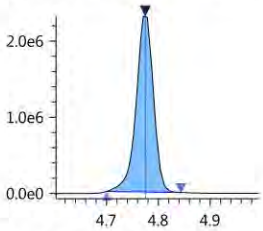
Q 467.80>423.00 (-) 2.33e6



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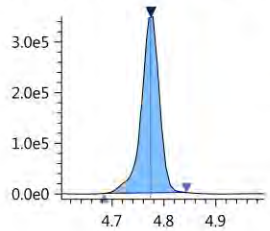
RT 4.775 Area 847003
Q 463.00>418.90 (-) 3.50e5



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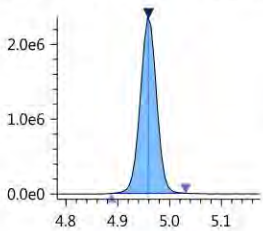

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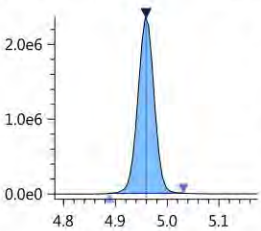

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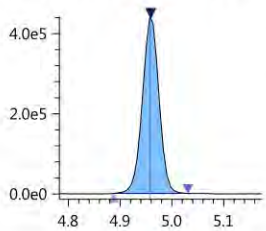

8_2-FTS-13C_IS
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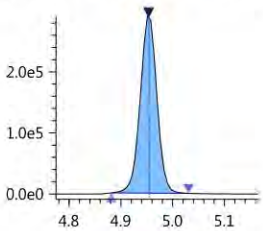
ISTD 528.80>509.00 (-) 2.90e5



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8_2-FTS-13C
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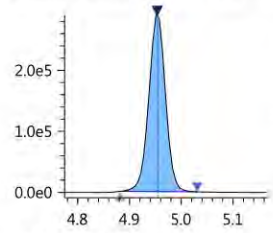

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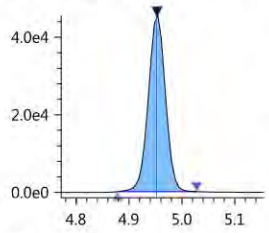

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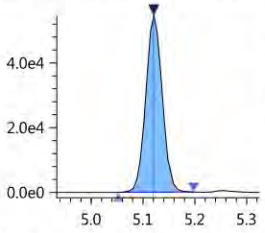

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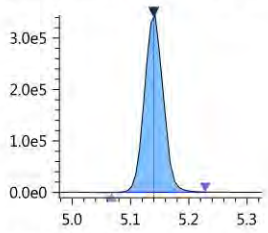

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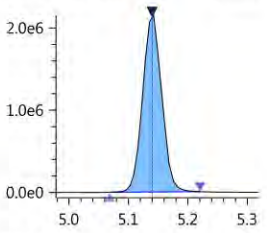

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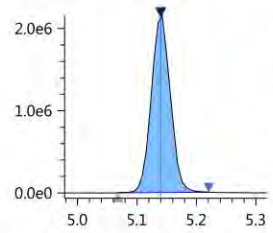
Q 564.80>519.95 (-) 2.16e6



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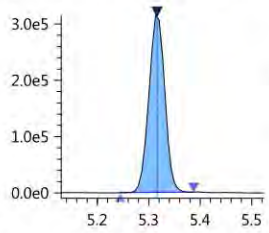
Q 613.05>569.00 (-) 3.15e5



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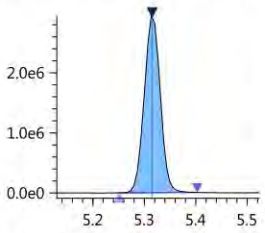
RT 5.316 Area 6412623
Q 614.80>569.95 (-) 2.95e6



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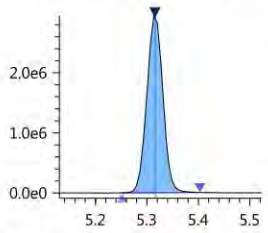
ISTD 614.80>569.95 (-) 2.95e6



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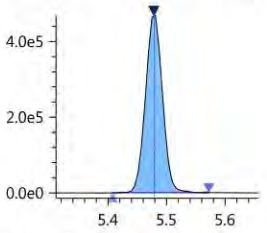

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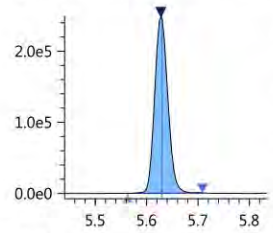

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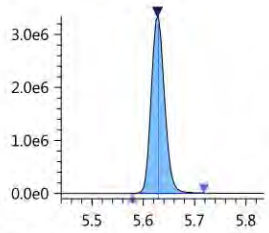
Q 714.70>669.90 (-) 3.35e6



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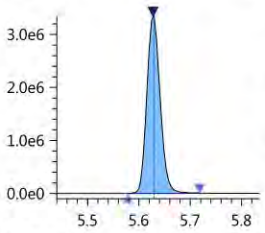

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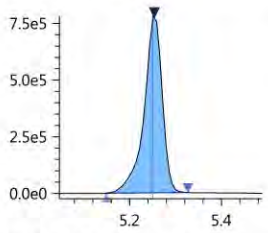

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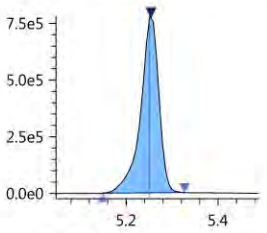
Q 506.00>78.05 (-) 7.82e5



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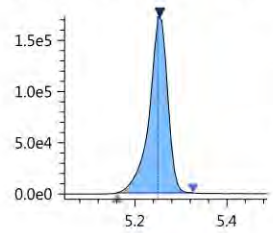
Q 498.20>78.00 (-) 1.73e5



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Conc 1.0136
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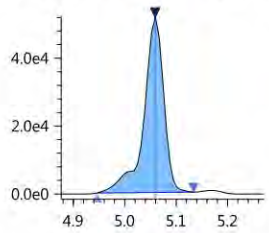
Q 570.20>419.00 (-) 5.22e4



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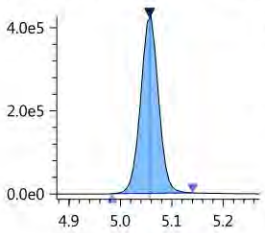
Q 572.80>419.05 (-) 4.27e5



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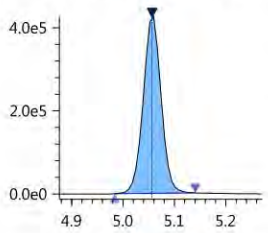
ISTD 572.80>419.05 (-) 4.27e5



N-MeFOSA-d3_IS
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RT 5.636 Area 739915
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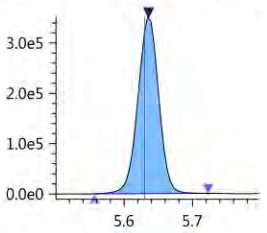

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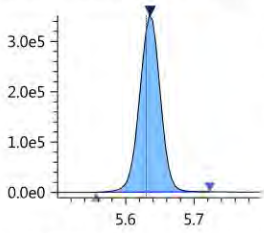

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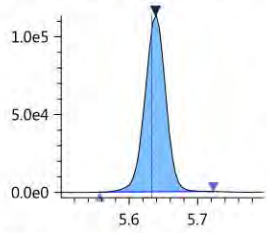

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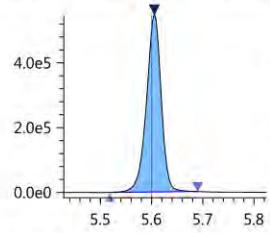
Q 622.70>59.10 (-) 5.47e5



N-MeFOSE-d7_IS
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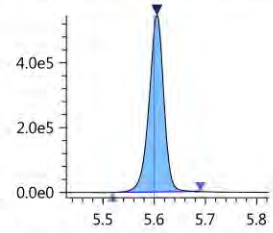
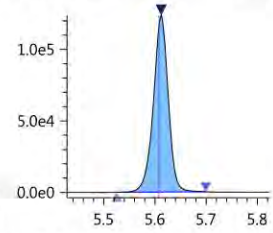
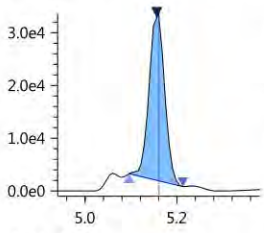
RT 5.605 Area 1093795
ISTD 622.70>59.10 (-) 5.47e5



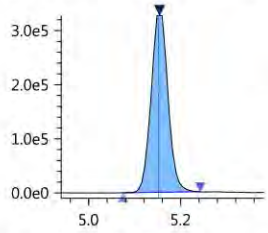
N-MeFOSE
Conc 0.9531
RT 5.612 Area 249216
Q 616.00>59.00 (-) 1.24e5



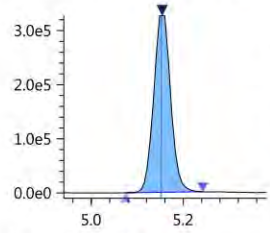
N-EtFOSAA
Conc 0.6967
RT 5.156 Area 74571
Q 584.20>418.95 (-) 3.36e4



N-EtFOSAA-d5_IS
Conc 5.0000
RT 5.154 Area 847769
ISTD 588.80>419.00 (-) 3.28e5



N-EtFOSAA-d5
Conc 7.3224
RT 5.154 Area 847769
Q 588.80>419.00 (-) 3.28e5



N-EtFOSA-d9_IS
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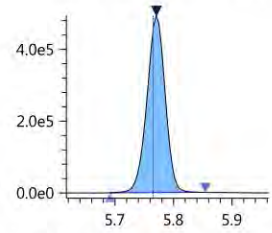
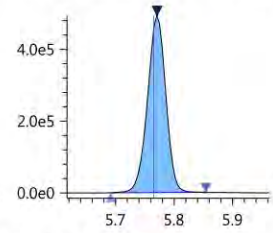
RT 5.771 Area 1070040
ISTD 530.90>169.15 (-) 4.94e5



N-EtFOSA-d9
Conc 3.6690
RT 5.771 Area 1070040
Q 530.90>169.15 (-) 4.94e5



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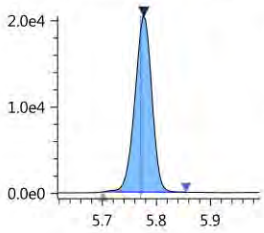
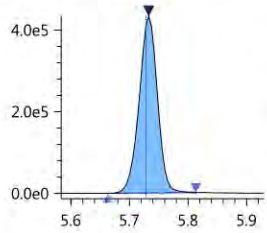
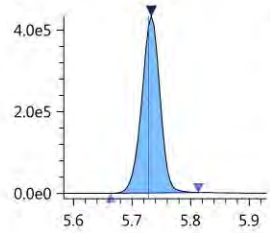
Conc 1.0314
RT 5.777 Area 44491
Q 526.90>169.10 (-) 2.05e4



N-EtFOSE-d9_IS
Conc 5.0000
RT 5.733 Area 938043
ISTD 638.70>59.10 (-) 4.34e5



N-EtFOSE-d9
Conc 4.0455
RT 5.733 Area 938043
Q 638.70>59.10 (-) 4.34e5



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Conc 0.9492
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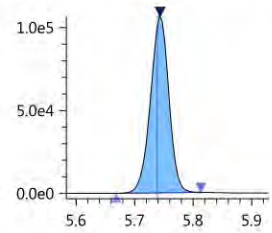
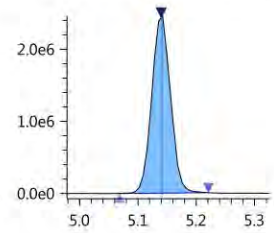
Q 630.00>58.90 (-) 1.07e5



13C7-PFUnDA_IS
Conc 5.0000
RT 5.140 Area 5499785
ISTD 570.00>525.00 (-) 2.46e6



Validation Report

Data File: J:\LCMS06\Data\190702_b3\190702_050
Lab ID: KQ1909238-03
RunType: CCV
Matrix: Soil

Date Acquired: 7/2/19 19:53
Batch ID: 641752
Analysis Method: PFC/537M/PFOA

Validations

Validation Categories	Pass	Fail
ICAL Analyte Recovery	X	
Second Source ICAL Verification	X	
Internal Standards	X	
Above Highest ICAL Level	X	

Primary Review: _____

Secondary Review: _____

Quantitation Report

Data File:	J:\LCMS06\Data\190702_b3\190702_050	**Instrument:**	K-LCMS-06
Acqu Date:	7/2/19 19:53	**Vial:**	2
Run Type:	CCV	**Dilution:**	1
Lab ID:	KQ1909238-03	**Raw Units:**	ng/mL

Bottle ID:		**Tier:**	II	**Matrix:**	Soil
Prod Code:	PFOA	**Collect Date:**	5/28/19	**Receive Date:**	5/30/19

Analysis Lot:	641752	**Prep Lot:**		**Report Group:**	KQ1909238
Analysis	PFC/537M	**Prep Method:**			
		Prep Date:			

Title:	Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS	**Calibration ID:**	KC1900243
		Report List ID:	19837

Internal Standard Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	Area Criteria
13C7-PFUnDA	5.123		5662421	5.0000	OK

Surrogate Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	Rpt?
13C4-PFOS	4.746		818210	5.1872	Y
13C4-PFBA	3.395		4176880	5.6749	Y
13C5-PFPeA	3.967		2449814	5.6107	Y
13C2-PFTeDA	5.612		4725575	4.3593	Y

Target Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	Rpt?
Perfluorooctane sulfonic acid (PFOS)	4.746		102272	0.8279	Y
Perfluorobutanoic acid (PFBA)	3.396		736382	0.8604	Y
Perfluoropentanoic acid (PFPeA)	3.967		1130864	0.8153	Y
Perfluorotridecanoic acid (PFTrDA)	5.461		780148	0.8791	Y
Perfluorotetradecanoic acid (PFTeDA)	5.613		335218	0.9536	Y

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report

Data File:	J:\LCMS06\Data\190702_b3\190702_050	**Instrument:**	K-LCMS-06
Acqu Date:	7/2/19 19:53	**Vial:**	1
Run Type:	CCV	**Dilution:**	1
Lab ID:	KQ1909238-01	**Raw Units:**	ng/mL

Bottle ID:		**Tier:**	IV	**Matrix:**	Water
Prod Code:	PFOA	**Collect Date:**	6/10/19	**Receive Date:**	6/12/19

Analysis Lot:	641752	**Prep Lot:**		**Report Group:**	KQ1909238
Analysis	PFC/537M	**Prep Method:**			
		Prep Date:			

Title:	Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS	**Calibration ID:**	KC1900243
		Report List ID:	20091

Internal Standard Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	Area Criteria
13C7-PFUnDA	5.123		5662421	5.0000	OK

Surrogate Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	Rpt?
13C4-PFOS	4.746		818210	5.1872	Y
13C4-PFBA	3.395		4176880	5.6749	Y
13C5-PFPeA	3.967		2449814	5.6107	Y
13C2-PFTeDA	5.612		4725575	4.3593	Y

Target Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	Rpt?
Perfluorooctane sulfonic acid (PFOS)	4.746		102272	0.8279	Y
Perfluorobutanoic acid (PFBA)	3.396		736382	0.8604	Y
Perfluoropentanoic acid (PFPeA)	3.967		1130864	0.8153	Y
Perfluorotridecanoic acid (PFTrDA)	5.461		780148	0.8791	Y
Perfluorotetradecanoic acid (PFTeDA)	5.613		335218	0.9536	Y

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Insight Report

Printed at 7/9/2019 12:55:45 PM

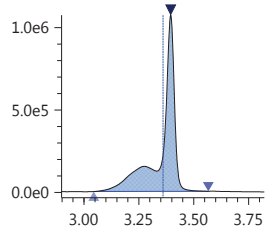
Method File: J:\LCMS06\Data\190702_b3\190702_b3.lcm
Project File: J:\LCMS06\Data\190702_b3\190702_b3.damlp
Flags File: J:\LCMS06\Data\190702_b3\190702_b3.damlp

190702_050

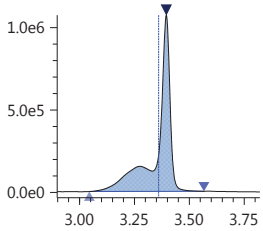
Sample ID: 1.0 PPB CCV
Date acquired: 7/2/2019 7:53:50 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190702_b3\190702_050.lcd
Vial: 5 | Inj. Volume: 15.0000uL | Tray: 1

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
PFBA-13C_IS	Auto	3.395	4176880	4176880	2	5.0000	ng/mL	5.0000
PFBA-13C	Auto	3.395	4176880	5662421	26	5.6749	ng/mL	5.0000
PFBA	Auto	3.396	736382	4176880	2	0.8604	ng/mL	1.0000
PFPeA-13C_IS	Auto	3.967	2449814	2449814	4	5.0000	ng/mL	5.0000
PFPeA-13C	Auto	3.967	2449814	5662421	26	5.6107	ng/mL	5.0000
PFPeA	Auto	3.967	1130864	2449814	4	0.8153	ng/mL	1.0000
PFOS_1	M	4.746	102272	818210	13	0.8279	ng/mL	0.9292
PFOS-13C_IS	Auto	4.746	818210	818210	13	5.0000	ng/mL	5.0000
PFOS-13C	Auto	4.746	818210	5662421	26	5.1872	ng/mL	5.0000
PFTrDA	Auto	5.461	780148	4725575	22	0.8791	ng/mL	1.0000
PFTeDA	Auto	5.613	335218	4725575	22	0.9536	ng/mL	1.0000
PFTeDA-13C	Auto	5.612	4725575	5662421	26	4.3593	ng/mL	5.0000
PFTeDA-13C_IS	Auto	5.612	4725575	4725575	22	5.0000	ng/mL	5.0000
13C7-PFUnDA_IS	Auto	5.123	5662421	5662421	26	5.0000	ng/mL	5.0000

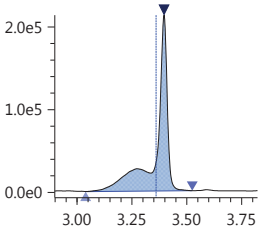
PFBA-13C_IS
Conc 5.0000
RT 3.395 Area 4176880
ISTD 216.90>172.15 (-) 1.08e6



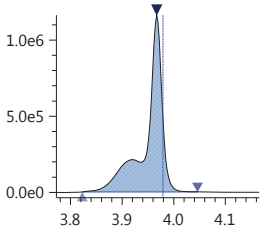
PFBA-13C
Conc 5.6749
RT 3.395 Area 4176880
Q 216.90>172.15 (-) 1.08e6



PFBA
Conc 0.8604
RT 3.396 Area 736382
Q 213.00>169.10 (-) 2.14e5



PFPeA-13C_IS
Conc 5.0000
RT 3.967 Area 2449814
ISTD 267.90>223.00 (-) 1.16e6



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RT 3.967 Area 2449814
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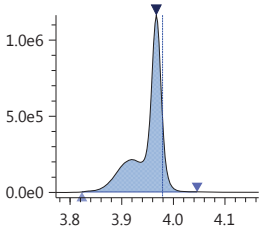

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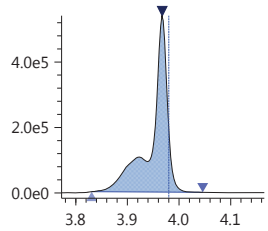
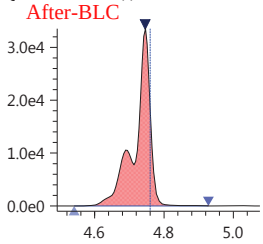
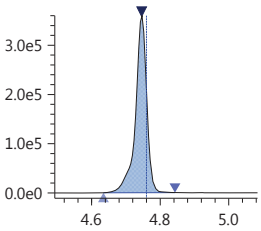
Conc 0.8153
RT 3.967 Area 1130864
Q 263.05>219.10 (-) 5.42e5



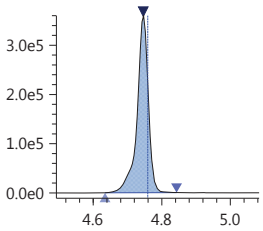
PFOS_1
Conc 0.8279
RT 4.746 Area 102272
Q 499.00>80.00 (-) 3.35e4



PFOS-13C_IS
Conc 5.0000
RT 4.746 Area 818210
ISTD 502.80>80.05 (-) 3.60e5



PFOS-13C
Conc 5.1872
RT 4.746 Area 818210
Q 502.80>80.05 (-) 3.60e5



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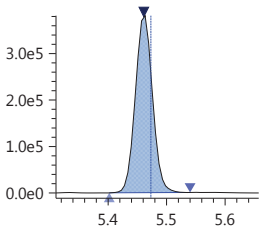
Conc 0.8791
RT 5.461 Area 780148
Q 663.00>618.90 (-) 3.82e5

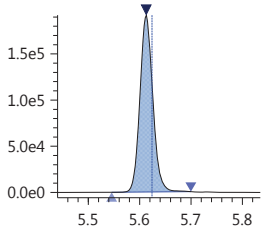


Insight Report

Printed at 7/9/2019 12:55:45 PM

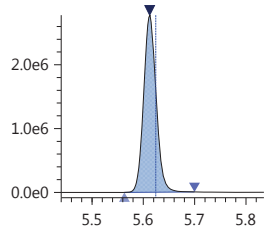
PFTeDA

Conc 0.9536
RT 5.613 Area 335218
Q 713.40>669.00 (-) 1.92e5



PFTeDA-13C

Conc 4.3593
RT 5.612 Area 4725575
Q 714.70>669.90 (-) 2.78e6



PFTeDA-13C_IS

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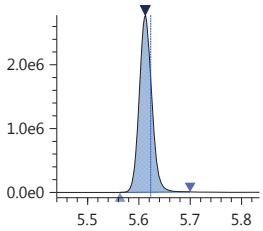
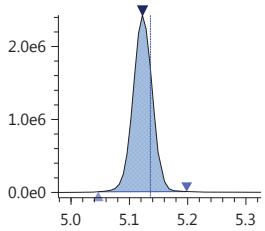
ISTD 714.70>669.90 (-) 2.78e6



13C7-PFUnDA_IS

Conc 5.0000
RT 5.123 Area 5662421
ISTD 570.00>525.00 (-) 2.43e6



Insight Report

Printed at 7/9/2019 12:50:23 PM

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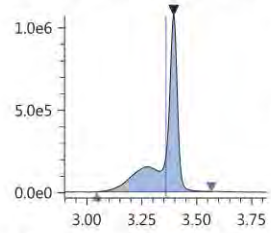
Project File: J:\LCMS06\Data\190702_b3\190702_b3.damlp
Flags File: J:\LCMS06\Data\190702_b3\190702_b3.damlp

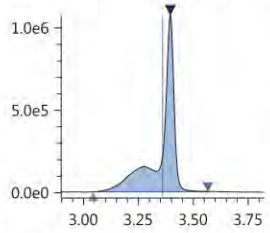
190702_050

Sample ID: 1.0 PPB CCV
Date acquired: 7/2/2019 7:53:50 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190702_b3\190702_050.lcd
Vial: 5 | Inj. Volume: 15.0000uL | Tray: 1

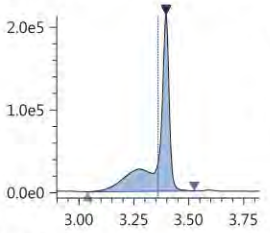
PFBA-13C_IS
Conc 5.0000
RT 3.395 Area 4176880
ISTD 216.90>172.15 (-) 1.08e6



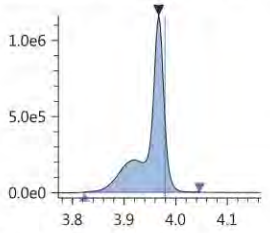
PFBA-13C
Conc 5.6749
RT 3.395 Area 4176880
Q 216.90>172.15 (-) 1.08e6



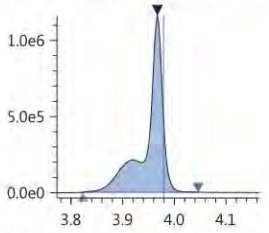
PFBA
Conc 0.8604
RT 3.396 Area 736382
Q 213.00>169.10 (-) 2.14e5



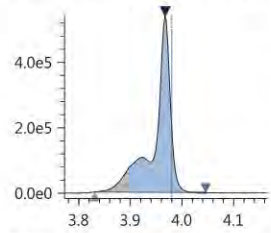
PFPeA-13C_IS
Conc 5.0000
RT 3.967 Area 2449814
ISTD 267.90>223.00 (-) 1.16e6



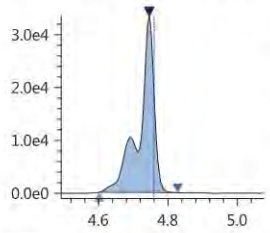
PFPeA-13C
Conc 5.6107
RT 3.967 Area 2449814
Q 267.90>223.00 (-) 1.16e6



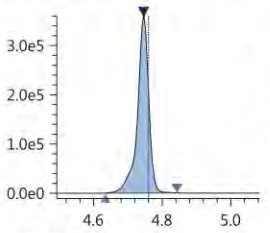
PFPeA
Conc 0.8153
RT 3.967 Area 1130864
Q 263.05>219.10 (-) 5.42e5



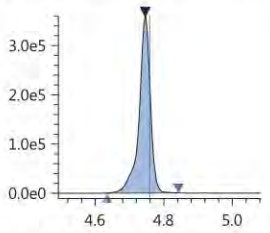
PFOS_1
Conc 0.8108
RT 4.746 Area 100162
Q 499.00>80.00 (-) 3.35e4



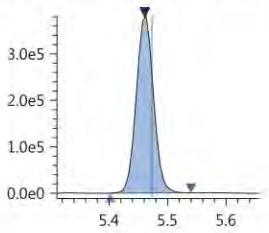
PFOS-13C_IS
Conc 5.0000
RT 4.746 Area 818210
ISTD 502.80>80.05 (-) 3.60e5



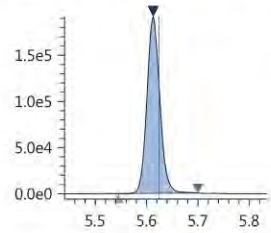
PFOS-13C
Conc 5.1872
RT 4.746 Area 818210
Q 502.80>80.05 (-) 3.60e5



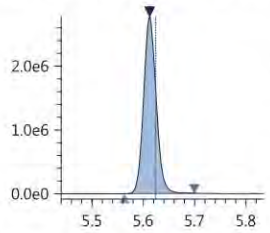
PFTrDA
Conc 0.8791
RT 5.461 Area 780148
Q 663.00>618.90 (-) 3.82e5



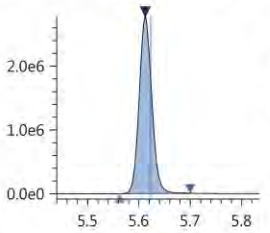
PFTeDA
Conc 0.9536
RT 5.613 Area 335218
Q 713.40>669.00 (-) 1.92e5



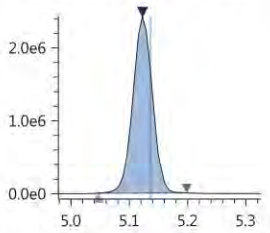
PFTeDA-13C
Conc 4.3593
RT 5.612 Area 4725575
Q 714.70>669.90 (-) 2.78e6



PFTeDA-13C_IS
Conc 5.0000
RT 5.612 Area 4725575
ISTD 714.70>669.90 (-) 2.78e6



13C7-PFUnDA_IS
Conc 5.0000
RT 5.123 Area 5662421
ISTD 570.00>525.00 (-) 2.43e6



190618_b1

ICAL Date: 6/18/2019
Std. xp: 10/18/2019
ICAL ID: KC1900234
LIMS ID: 639801

st Review: Cmuller JUN 20 2019
nd Review:
Column: LCMS06 -Shimadzu 8050
Phenomenex EVO-C18 100X4.6 mm S/N: H19-154756
Mobile Phases **A:** 5mM Ammonium Acetate in H2O 19-OLC-02-36G **B:** 5mM Ammonium Acetate In MeOH 19-OLC-02-36H

	Sample Name		File Name	Acquisition Method	Dilution	R	
1	IB	19-OLC-01-34I	190618_027	PFAS_190509_30_CM.lcm	1x	☒	
2	0.05 PPB ICAL	19-OLC-02-26E	190618_028	PFAS_190509_30_CM.lcm	1x	☒	
3	0.10 PPB ICAL	19-OLC-02-26F	190618_029	PFAS_190509_30_CM.lcm	1x	☒	
4	0.50 PPB ICAL	19-OLC-02-26G	190618_030	PFAS_190509_30_CM.lcm	1x	☒	
5	1.0 PPB ICAL	19-OLC-02-26H	190618_031	PFAS_190509_30_CM.lcm	1x	☒	
6	5.0 PPB ICAL	19-OLC-02-26I	190618_032	PFAS_190509_30_CM.lcm	1x	☒	
7	10.0 PPB ICAL	19-OLC-02-26J	190618_033	PFAS_190509_30_CM.lcm	1x	☒	
8	15.0 PPB ICAL	19-OLC-02-26K	190618_034	PFAS_190509_30_CM.lcm	1x	☒	
9	IB	19-OLC-01-34I	190618_035	PFAS_190509_30_CM.lcm	1x	☒	
10	1.0 PPB ICV	19-OLC-02-26L	190618_036	PFAS_190509_30_CM.lcm	1x	☒	
11	IB	19-OLC-01-34I	190618_037	PFAS_190509_30_CM.lcm	1x	☒	
12	T-PFOA	19-OLC-01-35A	190618_038	PFAS_190509_30_CM.lcm	1x	☒	
13	K1904087-001	100000X	190618_039	PFAS_190509_30_CM.lcm	1x		NR
14	K1904087-002	100000X	190618_040	PFAS_190509_30_CM.lcm	1x	☒	PFOS only, RR confirms report in hold
15	K1904087-010	500000X	190618_041	PFAS_190509_30_CM.lcm	1x	☒	PFOS only, RR confirms report in hold
16	K1904087-015	100000X	190618_042	PFAS_190509_30_CM.lcm	1x		NR
17	K1904089-016	20X	190618_043	PFAS_190509_30_CM.lcm	1x	☒	High PFBA, PFPeA, PFHxA, 6:2 surr, Matrix enhancment/ suppression of IS. IS passes criteria. Low PFDA surr, Matrix suppression. Rest of surr failures high bias ND
18	K1904089-016 MS	20X	190618_044	PFAS_190509_30_CM.lcm	1x		Reinject
19	K1904089-016 DMS	20X	190618_045	PFAS_190509_30_CM.lcm	1x		Reinject
20	K1904089-026	50X	190618_046	PFAS_190509_30_CM.lcm	1x	☒	High PFPeA, MeFOSE, EtFOSE, 4:2 surr. Low PFDA surr, matrix suppression. PFPeA surr, Matrix enhancement. MeFOSE, EtFOSE, 4:2 surr, High bias ND.
21	K1904090-001	500X	190618_047	PFAS_190509_30_CM.lcm	1x	☒	
22	K1904090-002	50X	190618_048	PFAS_190509_30_CM.lcm	1x	☒	See dilution for 8:2. High 4:2, 6:2, 6:2 surr. 4:2 high bias ND. 6:2, 8:2 matrix enhancement.

J:\LCMS06\Data\190618_b1\190618_b1 inject log

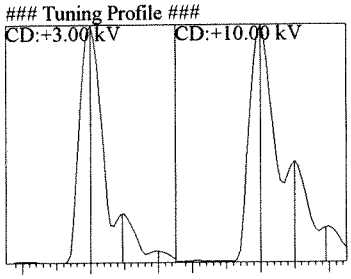
Sample Information
Sample Type: PEG+PPG+Raffinose

Tuning Condition
Detector Adjustment: Off
Resolution Adjustment: Off
FWHM of Spectrum: 0.70
Sensitivity Adjustment: Off
Mass Calibration: Off

Tuning Result
Model: LCMS-8050
Interface: ESI
Polarity: Neg
Tuning Mode: Auto
Tuning Date: 6/18/2019 1:22:03 PM
Acquisition Mode: Q1 Scan(Use CID Gas)

Nebulizing Gas Flow: 1.50(settings : 1.50) L/min
Drying Gas Flow: 10.00(settings : 10.00) L/min
CID Gas Flow: 270(settings : 270) kPa
Interface Bias: -3.00 kV
Interface Current: 0.45 uA
DL Temp.: 250(settings : 250) C
Heat Block Temp.: 399(settings : 400) C
Q1 RF Gain: 5000
Q1 RF Offset: 5000
Q3 RF Gain: ---
Q3 RF Offset: ---
Q1 Post-rod Bias: 5.0 V
CID CELL Exit Lens: 3.5 V
Conversion Dynode: +10.00 kV
Detector: -2.08(-2.08) kV
PG Vacuum: 1.3e+002 Pa
IG Vacuum: 2.1e-003 Pa

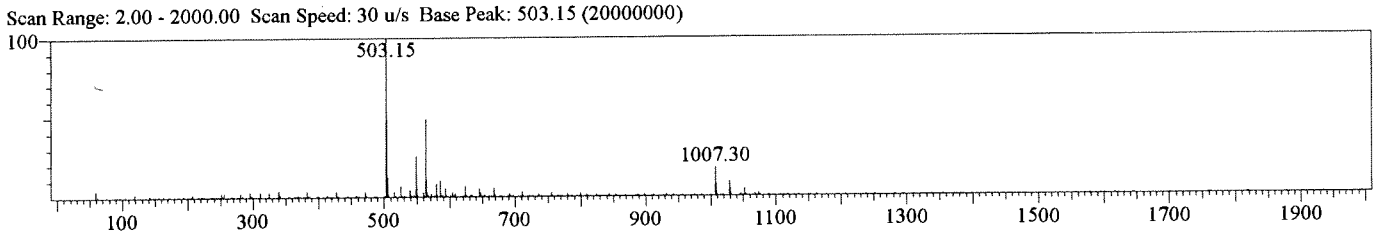
Tuning Profile



Int.: 1189977I
FWHM: 0.74
m/z : 503.15
Mag.: 1

Int.: 3653597
FWHM: 0.80
m/z : 1007.30
Mag.: 5

Scan Range: 2.00 - 2000.00 Scan Speed: 30 u/s Base Peak: 503.15 (20000000)



m/z(Target)	m/z(Actual)	Difference	Width	Intensity
503.15	503.15	0.00	0.74	11899771
1007.30	1007.30	0.00	0.80	3653597

0<0,5
am
6/19/19

		Const	65.05	168.10	256.15	344.20	652.40	1004.60	1893.40
DL Bias	Const	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0
Qarray Bias	Const	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0
Qarray RF	Scan	+50.0	+34.8	+90.0	+90.0	+130.0	+130.0	+130.0	+130.0
Multipole RF	Scan	+100.0	+20.0	+60.0	+90.0	+120.0	+300.0	+300.0	+300.0
Multipole1 Bias	Const	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0
Multipole1 Lens	Const	+0.8	+0.8	+0.8	+0.8	+0.8	+0.8	+0.8	+0.8
Multipole2 Bias	Const	+0.8	+0.8	+0.8	+0.8	+0.8	+0.8	+0.8	+0.8
Multipole2 Lens	Const	+0.8	+0.8	+0.8	+0.8	+0.8	+0.8	+0.8	+0.8
Q1 Bias	Const	+3.5	+5.0	+5.0	+5.0	+5.0	+5.0	+5.0	+5.0
CC Lens1	Const	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0
CC Lens2	Const	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0
CC Lens3	Const	+20.0	+20.0	+20.0	+20.0	+20.0	+20.0	+20.0	+20.0

		Const	65.05	168.10	256.15	344.20	652.40	1004.60	1893.40
CC RF	Scan	+200.0	+70.0	+90.0	+130.0	+300.0	+300.0	+300.0	+300.0
CE	Scan	+15.0	+15.0	+15.0	+16.0	+17.0	+21.0	+25.0	+25.0
Q3 Bias	Scan	+15.0	+15.0	+15.0	+15.1	+15.2	+15.6	+16.0	+17.0

		Const	107.15	1071.50	1893.40
Q1 Pre Bias	Scan	+15.0	+5.0	+50.0	+50.0
Q3 Pre Bias	Scan	+15.0	+5.0	+50.0	+50.0

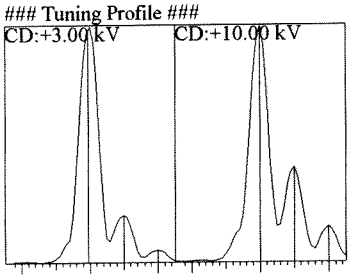
JUN 2 0 2019

Sample Information
Sample Type: PEG+PPG+Raffinose

Tuning Condition
Detector Adjustment: Off
Resolution Adjustment: Off
FWHM of Spectrum: 0.70
Sensitivity Adjustment: Off
Mass Calibration: Off

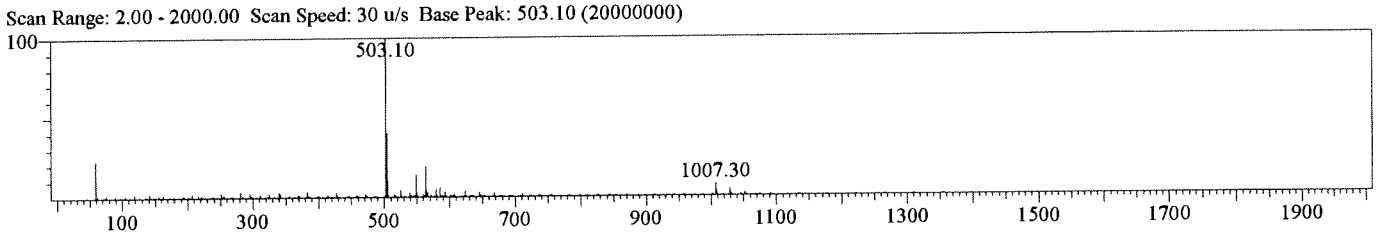
Tuning Result
Model: LCMS-8050
Interface: ESI
Polarity: Neg
Tuning Mode: Auto
Tuning Date: 6/18/2019 1:25:05 PM
Acquisition Mode: Q3 Scan(Use CID Gas)

Nebulizing Gas Flow: 1.50(settings : 1.50) L/min
Drying Gas Flow: 10.00(settings : 10.00) L/min
CID Gas Flow: 269(settings : 270) kPa
Interface Bias: -3.00 kV
Interface Current: 0.46 uA
DL Temp.: 250(settings : 250) C
Heat Block Temp.: 399(settings : 400) C
Q1 RF Gain: ---
Q1 RF Offset: ---
Q3 RF Gain: 5000
Q3 RF Offset: 5000
Q1 Post-rod Bias: 5.0 V
CID CELL Exit Lens: 3.5 V
Conversion Dynode: +10.00 kV
Detector: -2.08(-2.08) kV
PG Vacuum: 1.3e+002 Pa
IG Vacuum: 2.1e-003 Pa

Tuning Profile


Int.: 8093270 FWHM: 0.65 m/z : 503.15 Mag.: 2
Int.: 1576982 FWHM: 0.62 m/z : 1007.30 Mag.: 12

Scan Range: 2.00 - 2000.00 Scan Speed: 30 u/s Base Peak: 503.10 (20000000)



m/z(Target)	m/z(Actual)	Difference	Width	Intensity
503.15	503.10	-0.05	0.65	8093270
1007.30	1007.30	0.00	0.62	1576982

D ≤0.5
cm
6/19/19

		Const	65.05	168.10	256.15	344.20	652.40	1004.60	1893.40
DL Bias	Const	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0
Qarray Bias	Const	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0
Qarray RF	Scan	+50.0	+34.8	+90.0	+90.0	+130.0	+130.0	+130.0	+130.0
Multipole RF	Scan	+100.0	+20.0	+60.0	+90.0	+120.0	+300.0	+300.0	+300.0
Multipole1 Bias	Const	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0
Multipole1 Lens	Const	+0.8	+0.8	+0.8	+0.8	+0.8	+0.8	+0.8	+0.8
Multipole2 Bias	Const	+0.8	+0.8	+0.8	+0.8	+0.8	+0.8	+0.8	+0.8
Multipole2 Lens	Const	+0.8	+0.8	+0.8	+0.8	+0.8	+0.8	+0.8	+0.8
Q1 Bias	Const	+3.5	+5.0	+5.0	+5.0	+5.0	+5.0	+5.0	+5.0
CC Lens1	Const	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0
CC Lens2	Const	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0
CC Lens3	Const	+20.0	+20.0	+20.0	+20.0	+20.0	+20.0	+20.0	+20.0

		Const	65.05	168.10	256.15	344.20	652.40	1004.60	1893.40
CC RF	Scan	+200.0	+70.0	+90.0	+130.0	+300.0	+300.0	+300.0	+300.0
CE	Scan	+5.0	+5.0	+5.0	+5.0	+5.0	+5.0	+5.0	+5.0
Q3 Bias	Scan	+7.0	+7.0	+7.0	+7.1	+7.2	+7.6	+8.0	+9.0

		Const	107.15	1071.50	1893.40
Q1 Pre Bias	Scan	+15.0	+5.0	+50.0	+50.0
Q3 Pre Bias	Scan	+15.0	+5.0	+50.0	+50.0

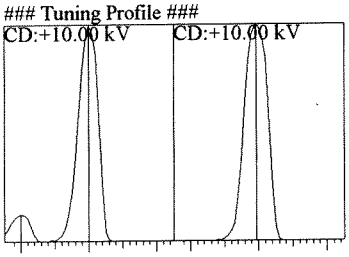
JUN 2 0 2019

Sample Information
Sample Type: PEG+PPG+Raffinose

Tuning Condition
Detector Adjustment: Off
Resolution Adjustment: Off
FWHM of Spectrum: 0.70
Sensitivity Adjustment: Off
Mass Calibration: Off

Tuning Result
Model: LCMS-8050
Interface: ESI
Polarity: Neg
Tuning Mode: Auto
Tuning Date: 6/18/2019 1:26:32 PM
Acquisition Mode: Product Scan

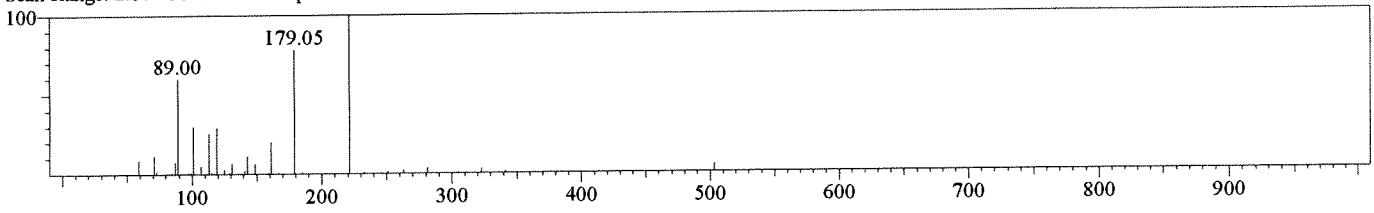
Nebulizing Gas Flow: 1.50(settings : 1.50) L/min
Drying Gas Flow: 10.00(settings : 10.00) L/min
CID Gas Flow: 270(settings : 270) kPa
Interface Bias: -3.00 kV
Interface Current: 0.45 uA
DL Temp.: 250(settings : 250) C
Heat Block Temp.: 400(settings : 400) C
Q1 RF Gain: 5000
Q1 RF Offset: 5000
Q3 RF Gain: 5000
Q3 RF Offset: 4999
Q1 Post-rod Bias: 5.0 V
CID CELL Exit Lens: -0.7 V
Conversion Dynode: +10.00 kV
Detector: -2.08(-2.08) kV
PG Vacuum: 1.3e+002 Pa
IG Vacuum: 2.1e-003 Pa

Tuning Profile


Int.: 2903358
FWHM: 0.67
m/z : 89.00
Pre m/z: 503.15
Mag.: 6

Int.: 4020905
FWHM: 0.79
m/z : 179.05
Pre m/z: 503.15
Mag.: 4

Scan Range: 2.00 - 553.15 Scan Speed: 30 u/s Base Peak: 221.00 (4900665) Pre m/z: 503.15



m/z(Target)	m/z(Actual)	Difference	Width	Intensity
503.15 > 89.00	89.00	0.00	0.67	2903358
503.15 > 179.05	179.05	0.00	0.79	4020905

0<0.5
cm
6/19/19

		Const	65.05	168.10	256.15	344.20	652.40	1004.60	1893.40
DL Bias	Const	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0
Qarray Bias	Const	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0
Qarray RF	Scan	+50.0	+34.8	+90.0	+90.0	+130.0	+130.0	+130.0	+130.0
Multipole RF	Scan	+100.0	+20.0	+60.0	+90.0	+120.0	+300.0	+300.0	+300.0
Multipole1 Bias	Const	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0
Multipole1 Lens	Const	+0.8	+0.8	+0.8	+0.8	+0.8	+0.8	+0.8	+0.8
Multipole2 Bias	Const	+0.8	+0.8	+0.8	+0.8	+0.8	+0.8	+0.8	+0.8
Multipole2 Lens	Const	+0.8	+0.8	+0.8	+0.8	+0.8	+0.8	+0.8	+0.8
Q1 Bias	Const	+3.5	+3.5	+3.5	+3.5	+3.5	+3.5	+3.5	+3.5
CC Lens1	Const	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0
CC Lens2	Const	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0
CC Lens3	Const	+20.0	+20.0	+20.0	+20.0	+20.0	+20.0	+20.0	+20.0

		Const	45.05	89.05	133.10	168.10	1893.40
CC RF	Scan	+100.0	+100.0	+100.0	+300.0	+300.0	+300.0
CE	Scan	+30.0	+30.0	+30.0	+30.0	+30.0	+30.0
Q3 Bias	Scan	+7.0	+7.0	+7.0	+7.0	+7.0	+9.0

		Const	107.15	1071.50	1893.40
Q1 Pre Bias	Scan	+15.0	+5.0	+50.0	+50.0
Q3 Pre Bias	Scan	+15.0	+5.0	+50.0	+50.0

JUN 2 0 2019

Insight Report

Printed at 6/19/2019 1:07:21 PM

Method File: J:\LCMS06\Data\190618_b1\190618_b1.lcm
Project File: J:\LCMS06\Data\190618_b1\190618_b1.damlp
Flags File: J:\LCMS06\Data\190618_b1\190618_b1.damlp

190618_027

Sample ID: IB
Date acquired: 6/18/2019 3:23:02 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190618_b1\190618_027.lcd
Vial: 25 | Inj. Volume: 15.0000uL | Tray: 1

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
PFBA-13C_IS	Auto	3.437	4303726	4303726	2	5.0000	ng/mL	----
PFBA-13C	Auto	3.437	4303726	3707373	26	6.0811	ng/mL	----
PFBA	ND(W/B)	----	----	4303726	2	----	ng/mL	----
PFPeA-13C_IS	Auto	3.990	2546121	2546121	4	5.0000	ng/mL	----
PFPeA-13C	Auto	3.990	2546121	3707373	26	5.9369	ng/mL	----
PFPeA	Auto	3.990	151553	2546121	4	0.0023	ng/mL	----
PFBS_1	M	4.040	321	1572093	16	0.0009	ng/mL	----
PFBS-13C	Auto	4.042	1572093	3707373	26	6.0743	ng/mL	----
PFBS-13C_IS	Auto	4.042	1572093	1572093	16	5.0000	ng/mL	----
PFHxA-13C_IS	Auto	4.247	5742168	5742168	6	5.0000	ng/mL	----
PFHxA-13C	Auto	4.247	5742168	3707373	26	5.9396	ng/mL	----
PFHxA	M	4.234	39773	5742168	6	0.0035	ng/mL	----
HPFO_DA	M	4.317	784	1105683	3	0.0032	ng/mL	----
HFPO_DA-13C_IS	Auto	4.316	1105683	1105683	3	5.0000	ng/mL	----
HFPO_DA-13C	Auto	4.316	1105683	3707373	26	5.6850	ng/mL	----
4_2-FTS-13C_IS	Auto	4.217	658598	658598	5	5.0000	ng/mL	----
4_2-FTS-13C	Auto	4.217	658598	3707373	26	5.4700	ng/mL	----
4_2-FTS_1	ND(W/B)	----	----	658598	5	----	ng/mL	----
PFHpA	M	4.409	23257	5502478	8	0.0062	ng/mL	----
PFHpA-13C_IS	Auto	4.430	5502478	5502478	8	5.0000	ng/mL	----
PFHpA-13C	Auto	4.430	5502478	3707373	26	5.8677	ng/mL	----
PFHxS-18O_IS	Auto	4.431	780002	780002	7	5.0000	ng/mL	----
PFHxS-18O	Auto	4.431	780002	3707373	26	5.8606	ng/mL	----
PFHxS_1	Auto	4.432	5795	780002	7	-0.0246	ng/mL	----
6_2-FTS-13C	Auto	4.591	558004	3707373	26	5.9540	ng/mL	----
6_2-FTS-13C_IS	Auto	4.591	558004	558004	10	5.0000	ng/mL	----
6_2-FTS_1	M	4.591	3884	558004	10	0.0282	ng/mL	----
PFHpS_1	Auto	4.596	281	780002	7	0.0011	ng/mL	----
PFOA-13C_IS	Auto	4.603	7297732	7297732	9	5.0000	ng/mL	----
PFOA-13C	Auto	4.603	7297732	3707373	26	6.4125	ng/mL	----
PFOA	M	4.599	20838	7297732	9	-0.0034	ng/mL	----
PFOS_1	M	4.770	675	837862	13	0.0048	ng/mL	----
PFOS-13C_IS	Auto	4.772	837862	837862	13	5.0000	ng/mL	----
PFOS-13C	Auto	4.772	837862	3707373	26	5.0153	ng/mL	----
PFNA-13C_IS	M	4.783	4833595	4833595	11	5.0000	ng/mL	----
PFNA-13C	M	4.783	4881379	3707373	26	6.3871	ng/mL	----
PFNA	M	4.771	10970	4833595	11	-0.0091	ng/mL	----
PFDA-13C_IS	Auto	4.969	4229791	4229791	12	5.0000	ng/mL	----
PFDA-13C	Auto	4.969	4229791	3707373	26	5.9099	ng/mL	----
PFDA	M	4.959	9030	4229791	12	0.0105	ng/mL	----
8_2-FTS-13C_IS	Auto	4.964	297307	297307	15	5.0000	ng/mL	----
8_2-FTS-13C	Auto	4.964	297307	3707373	26	5.7101	ng/mL	----
8_2-FTS_1	Auto	4.964	113	297307	15	0.0025	ng/mL	----
PFDS_1	ND(W/B)	----	----	837862	13	----	ng/mL	----
PFUnA	M	5.144	9627	3242917	14	-0.0158	ng/mL	----
PFUnA-13C_IS	Auto	5.150	3242917	3242917	14	5.0000	ng/mL	----
PFUnA-13C	Auto	5.150	3242917	3707373	26	5.5143	ng/mL	----
PFDoA	Auto	5.318	3595	5056976	17	-0.0088	ng/mL	----
PFDoA-13C	Auto	5.326	5056976	3707373	26	6.1134	ng/mL	----
PFDoA-13C_IS	Auto	5.326	5056976	5056976	17	5.0000	ng/mL	----
10_2-FtS_1	M	5.330	25	297307	15	0.0008	ng/mL	----
PFTrDA	M	5.486	5327	4346568	22	-0.0020	ng/mL	----
PFTeDA	Auto	5.637	45175	4346568	22	0.0054	ng/mL	----
PFTeDA-13C	Auto	5.636	4346568	3707373	26	6.8983	ng/mL	----
PFTeDA-13C_IS	Auto	5.636	4346568	4346568	22	5.0000	ng/mL	----
FOSA-13C_IS	Auto	5.258	2688997	2688997	18	5.0000	ng/mL	----
FOSA-13C	Auto	5.258	2688997	3707373	26	6.1327	ng/mL	----
FOSA	M	5.259	3473	2688997	18	0.0050	ng/mL	----
N-MeFOSAA	ND(W/B)	----	----	506544	19	----	ng/mL	----
N-MeFOSAA-d3	Auto	5.066	506544	3707373	26	5.7158	ng/mL	----
N-MeFOSAA-d3_IS	Auto	5.066	506544	506544	19	5.0000	ng/mL	----
N-MeFOSA-d3_IS	Auto	5.637	749342	749342	1	5.0000	ng/mL	----
N-MeFOSA-d3	Auto	5.637	749342	3707373	26	5.6529	ng/mL	----
N-MeFOSA	M	5.638	1373	749342	1	0.0054	ng/mL	----

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(Table continued from previous page)

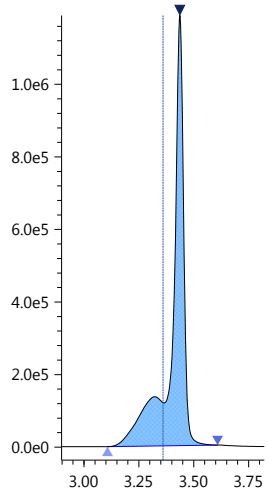
Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
N-MeFOSE-d7	Auto	5.607	1074425	3707373	26	5.6297	ng/mL	----
N-MeFOSE-d7_IS	Auto	5.607	1074425	1074425	20	5.0000	ng/mL	----
N-MeFOSE	M	5.614	351	1074425	20	0.0014	ng/mL	----
N-EtFOSAA	ND(W/B)	----	----	513193	21	----	ng/mL	----
N-EtFOSAA-d5_IS	Auto	5.162	513193	513193	21	5.0000	ng/mL	----
N-EtFOSAA-d5	Auto	5.162	513193	3707373	26	6.5756	ng/mL	----
N-EtFOSA-d9_IS	Auto	5.773	1056397	1056397	23	5.0000	ng/mL	----
N-EtFOSA-d9	Auto	5.773	1056397	3707373	26	5.3735	ng/mL	----
N-EtFOSA	ND(W/B)	----	----	1056397	23	----	ng/mL	----
N-EtFOSE-d9_IS	Auto	5.734	833033	833033	24	5.0000	ng/mL	----
N-EtFOSE-d9	Auto	5.734	833033	3707373	26	5.3296	ng/mL	----
N-EtFOSE	M	5.743	536	833033	24	0.0025	ng/mL	----
13C7-PFUnDA_IS	Auto	5.150	3707373	3707373	26	5.0000	ng/mL	----
PFPeS	Auto	4.253	417	1572093	16	0.0024	ng/mL	----
PFNS	M	4.939	173	837862	13	0.0014	ng/mL	----

PFBA-13C_IS

Conc 5.0000

RT 3.437 Area 4303726

ISTD 216.90>172.15 (-) 1.19e6

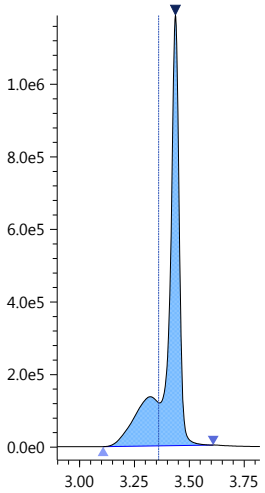


PFBA-13C

Conc 6.0811

RT 3.437 Area 4303726

Q 216.90>172.15 (-) 1.19e6

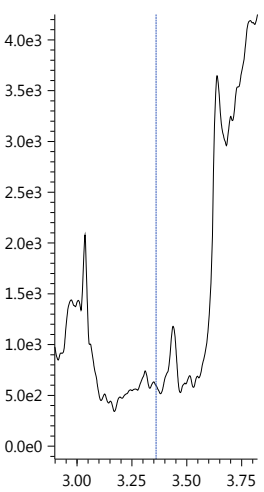


PFBA

Conc ----

RT ---- Area ----

Q 213.00>169.10 (-) 4.25e3

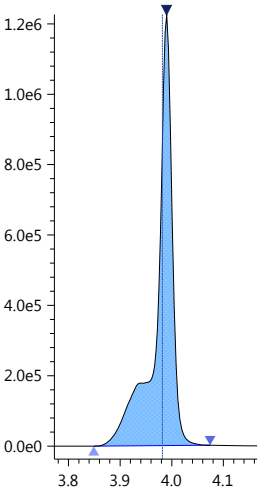


PFPeA-13C_IS

Conc 5.0000

RT 3.990 Area 2546121

ISTD 267.90>223.00 (-) 1.23e6

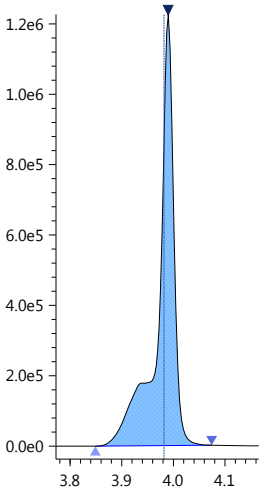


PFPeA-13C

Conc 5.9369

RT 3.990 Area 2546121

Q 267.90>223.00 (-) 1.23e6



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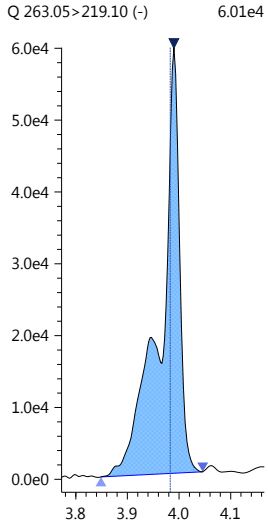
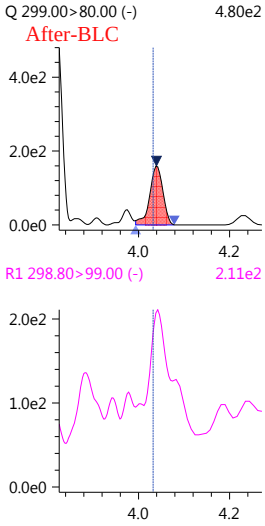
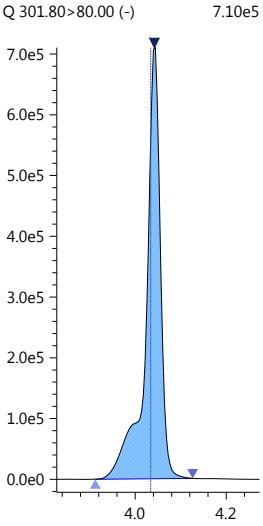
Conc 0.0023
RT 3.990 Area 151553



PFBS_1
Conc 0.0009
RT 4.040 Area 321
R#1 65.34 (0.00)



PFBS-13C
Conc 6.0743
RT 4.042 Area 1572093



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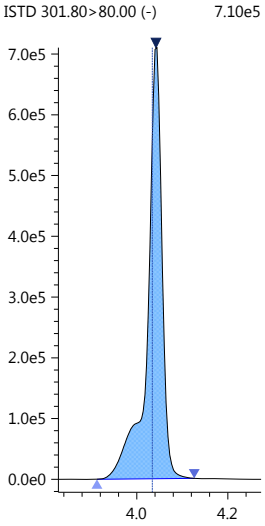
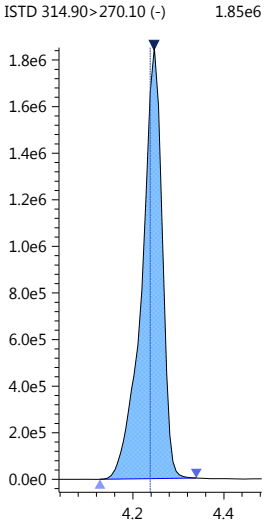
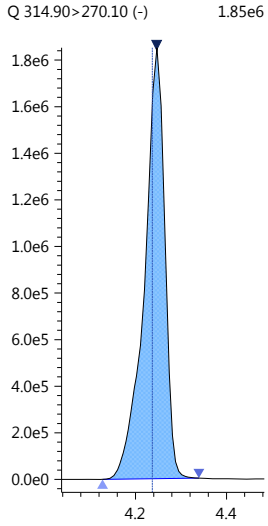
Conc 5.0000
RT 4.042 Area 1572093



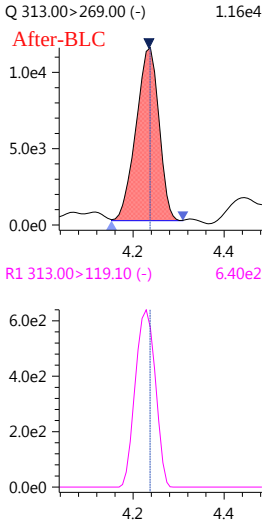
PFHxA-13C_IS
Conc 5.0000
RT 4.247 Area 5742168



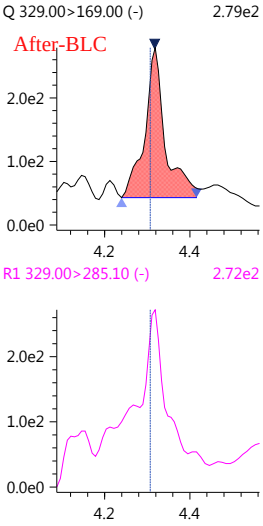
PFHxA-13C
Conc 5.9396
RT 4.247 Area 5742168



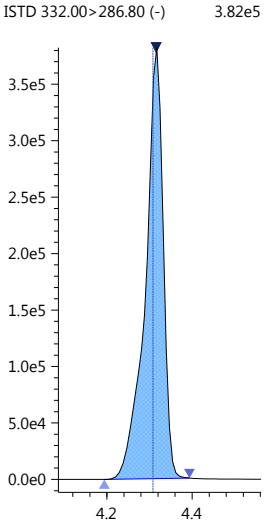
PFHxA
Conc 0.0035
RT 4.234 Area 39773
R#1 5.75 (0.00)



HPFO_DA
Conc 0.0032
RT 4.317 Area 784
R#1 82.20 (0.00)



HFPO_DA-13C_IS
Conc 5.0000
RT 4.316 Area 1105683



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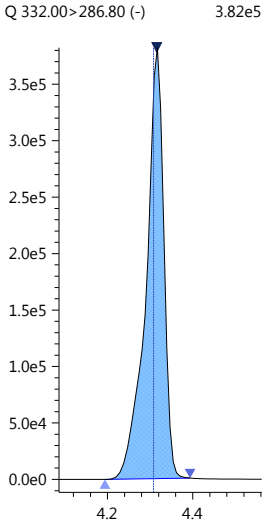
Conc 5.6850
RT 4.316 Area 1105683



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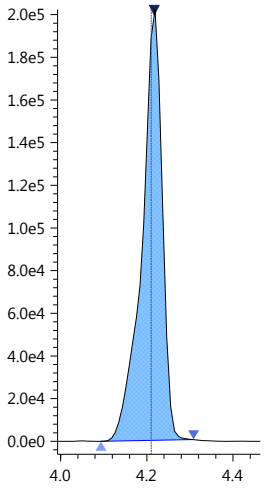
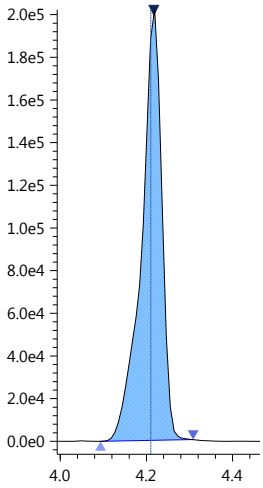
4_2-FTS-13C_IS
Conc 5.0000
RT 4.217 Area 658598

ISTD 328.80>309.05 (-) 2.02e5



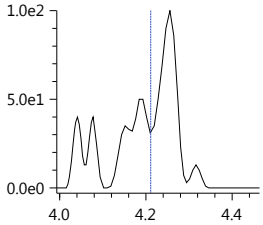
4_2-FTS-13C
Conc 5.4700
RT 4.217 Area 658598

Q 328.80>309.05 (-) 2.02e5

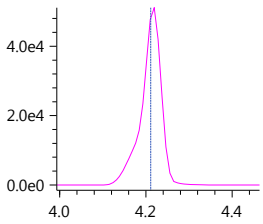


4_2-FTS_1
Conc ----
RT ---- Area ----
R#1 ---- (0.00)

Q 327.00>307.05 (-) 1.00e2

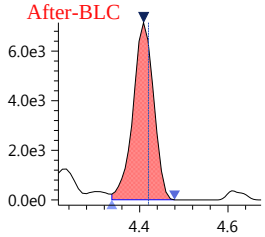


R1 327.00>81.10 (-) 5.11e4

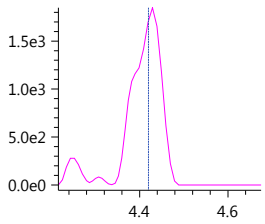


PFHpA
Conc 0.0062
RT 4.409 Area 23257
R#1 20.73 (0.00)

Q 362.90>319.00 (-) 7.15e3

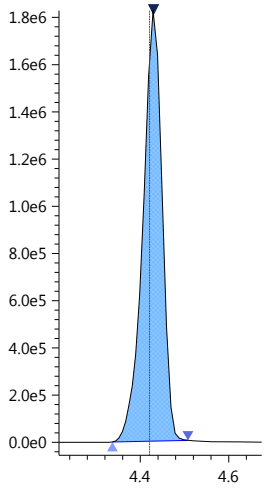


R1 362.90>169.00 (-) 1.85e3



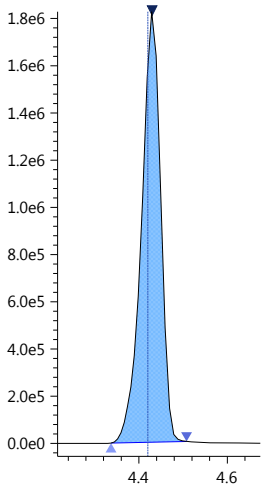
PFHpA-13C_IS
Conc 5.0000
RT 4.430 Area 5502478

ISTD 366.90>322.10 (-) 1.83e6



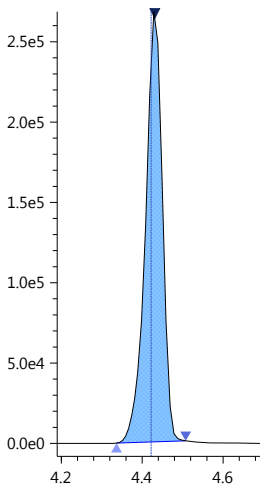
PFHpA-13C
Conc 5.8677
RT 4.430 Area 5502478

Q 366.90>322.10 (-) 1.83e6



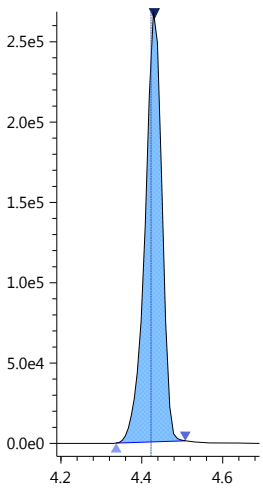
PFHxS-18O_IS
Conc 5.0000
RT 4.431 Area 780002

ISTD 402.70>84.05 (-) 2.69e5



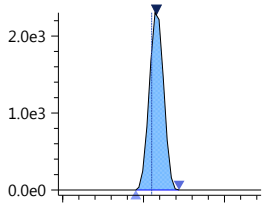
PFHxS-18O
Conc 5.8606
RT 4.431 Area 780002

Q 402.70>84.05 (-) 2.69e5

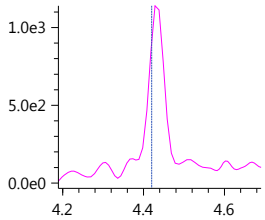


PFHxS_1
Conc -0.0246
RT 4.432 Area 5795
R#1 43.57 (0.00)

Q 399.00>80.00 (-) 2.30e3

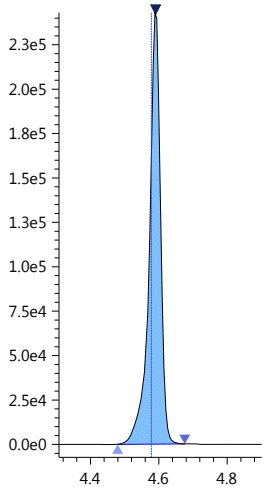


R1 399.00>99.00 (-) 1.14e3



6_2-FTS-13C
Conc 5.9540
RT 4.591 Area 558004

Q 428.90>409.00 (-) 2.43e5



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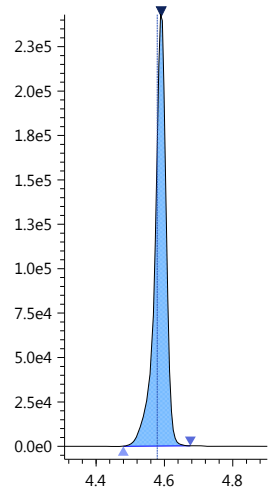
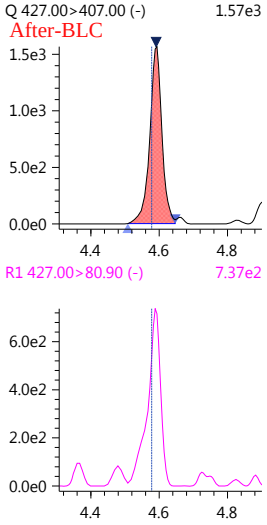
6_2-FTS-13C_IS
Conc 5.0000
RT 4.591 Area 558004

ISTD 428.90>409.00 (-) 2.43e5



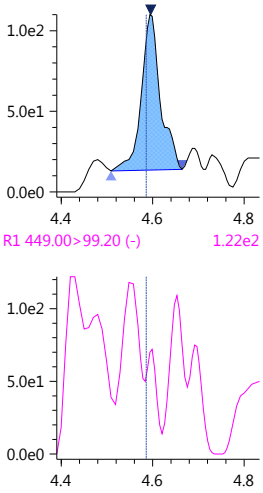
6_2-FTS_1
Conc 0.0282
RT 4.591 Area 3884
R#1 48.85 (0.00)

Q 427.00>407.00 (-) 1.57e3



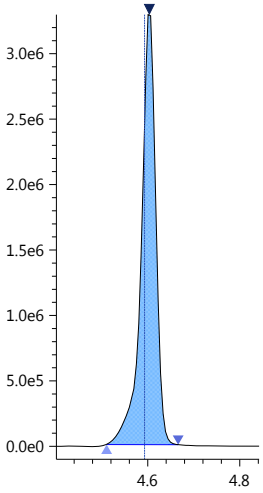
PFHpS_1
Conc 0.0011
RT 4.596 Area 281
R#1 22.33 (0.00)

Q 449.00>80.15 (-) 1.10e2



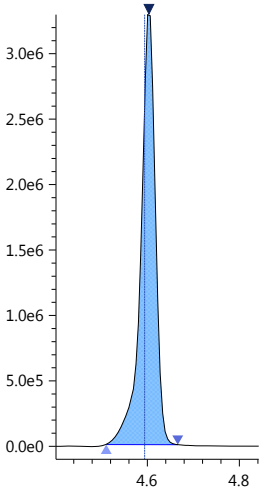
PFOA-13C_IS
Conc 5.0000
RT 4.603 Area 7297732

ISTD 416.80>372.05 (-) 3.30e6



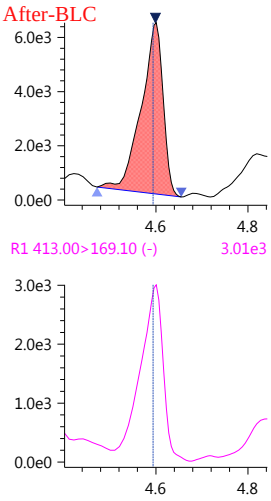
PFOA-13C
Conc 6.4125
RT 4.603 Area 7297732

Q 416.80>372.05 (-) 3.30e6



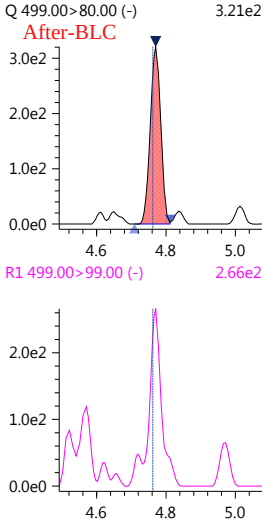
PFOA
Conc -0.0034
RT 4.599 Area 20838
R#1 45.00 (0.00)

Q 413.00>369.00 (-) 6.55e3



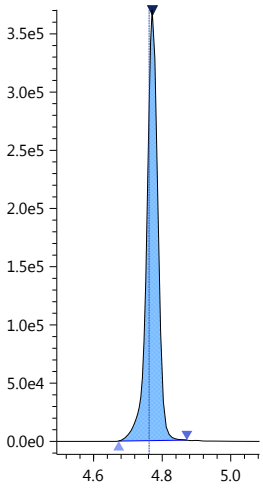
PFOS_1
Conc 0.0048
RT 4.770 Area 675
R#1 69.58 (0.00)

Q 499.00>80.00 (-) 3.21e2



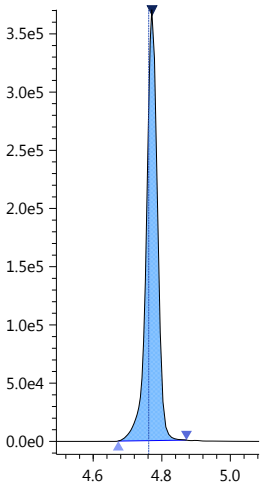
PFOS-13C_IS
Conc 5.0000
RT 4.772 Area 837862

ISTD 502.80>80.05 (-) 3.71e5



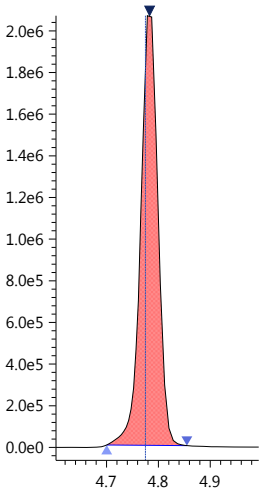
PFOS-13C
Conc 5.0153
RT 4.772 Area 837862

Q 502.80>80.05 (-) 3.71e5



PFNA-13C_IS
Conc 5.0000
RT 4.783 Area 4833595

ISTD 467.80>423.00 (-) 2.07e6



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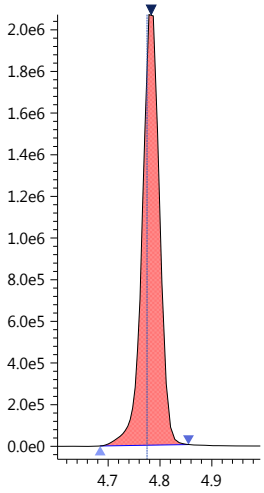
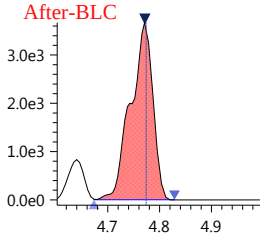
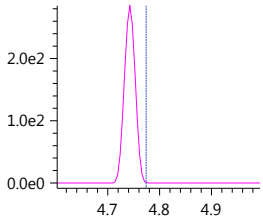
PFNA-13C
Conc 6.3871
RT 4.783 Area 4881379
After-BLC
Q 467.80>423.00 (-) 2.07e6



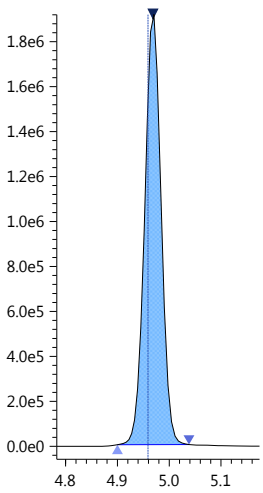
PFNA
Conc -0.0091
RT 4.771 Area 10970
R#1 0.00 (0.00)
Q 463.00>418.90 (-) 3.67e3
After-BLC



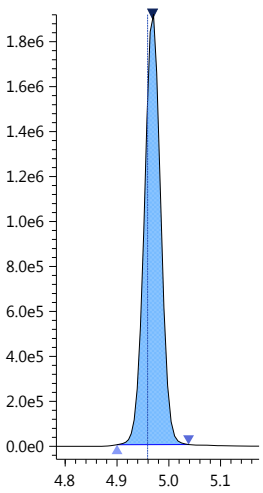
R1 463.00>219.00 (-) 2.85e2



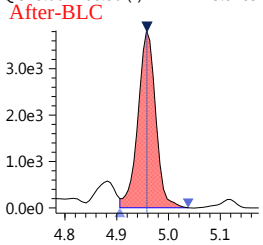
PFDA-13C_IS
Conc 5.0000
RT 4.969 Area 4229791
ISTD 514.80>469.95 (-) 1.92e6



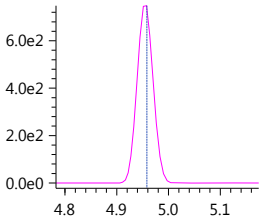
PFDA-13C
Conc 5.9099
RT 4.969 Area 4229791
Q 514.80>469.95 (-) 1.92e6



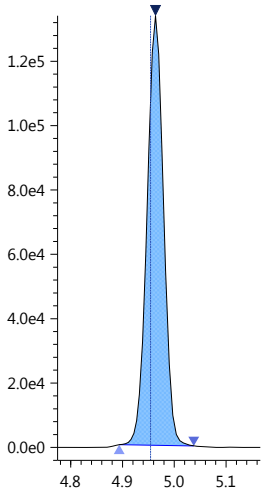
PFDA
Conc 0.0105
RT 4.959 Area 9030
R#1 19.90 (0.00)
Q 513.00>468.80 (-) 3.82e3
After-BLC



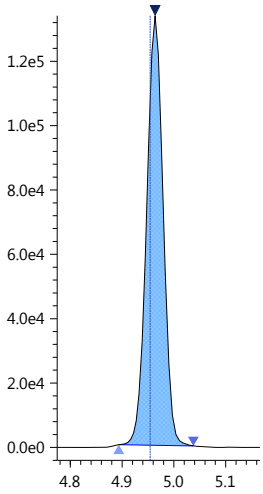
R1 513.00>219.10 (-) 7.48e2



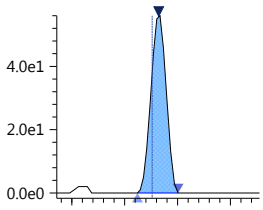
8_2-FTS-13C_IS
Conc 5.0000
RT 4.964 Area 297307
ISTD 528.80>509.00 (-) 1.34e5



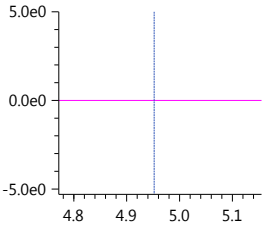
8_2-FTS-13C
Conc 5.7101
RT 4.964 Area 297307
Q 528.80>509.00 (-) 1.34e5



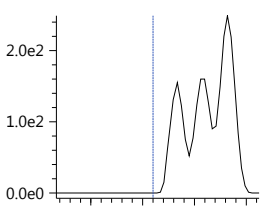
8_2-FTS_1
Conc 0.0025
RT 4.964 Area 113
R#1 0.00 (0.00)
Q 527.10>506.90 (-) 5.60e1



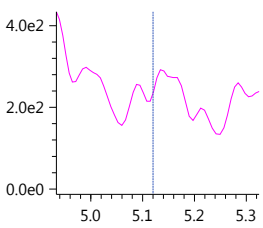
R1 527.20>487.00 (-) 0.00e0



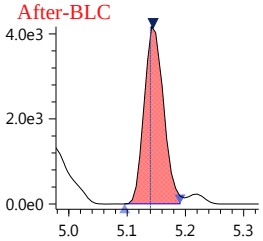
PFDS_1
Conc ----
RT ---- Area ----
R#1 ---- (0.00)
Q 599.00>79.90 (-) 2.49e2



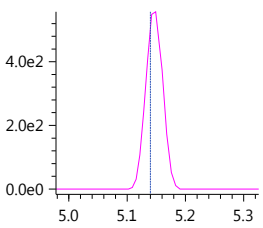
R1 599.00>99.10 (-) 4.34e2



PFUnA
Conc -0.0158
RT 5.144 Area 9627
R#1 14.13 (0.00)
Q 563.00>518.90 (-) 4.17e3
After-BLC



R1 563.00>219.00 (-) 5.57e2



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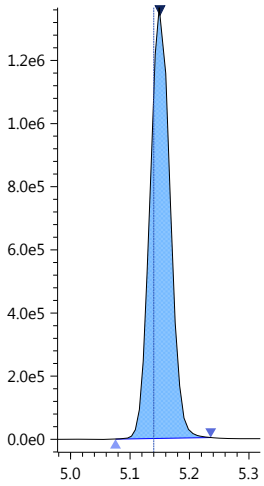
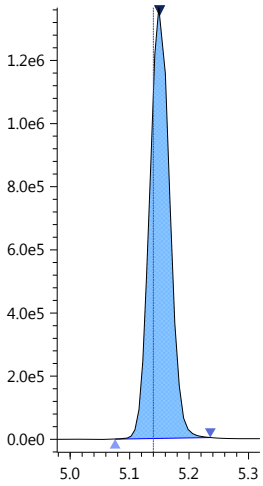
PFUnA-13C_IS
Conc 5.0000
RT 5.150 Area 3242917
ISTD 564.80>519.95 (-) 1.37e6



PFUnA-13C
Conc 5.5143
RT 5.150 Area 3242917
Q 564.80>519.95 (-) 1.37e6



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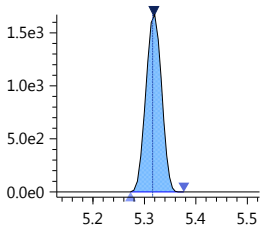
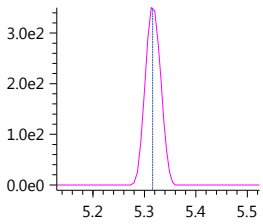
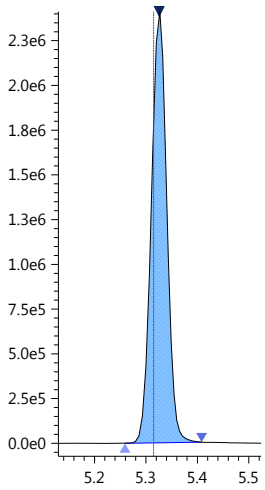
Conc -0.0088
RT 5.318 Area 3595
R#1 20.23 (0.00)
Q 613.05>569.00 (-) 1.67e3



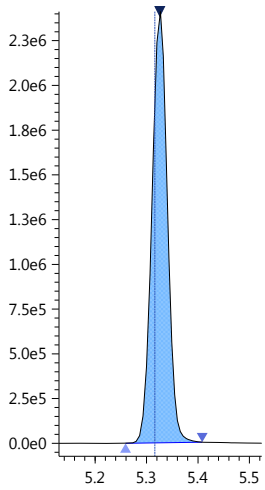
R1 613.05>169.00 (-) 3.50e2



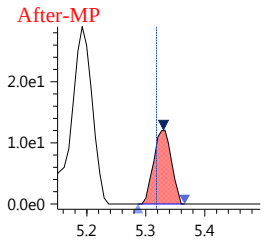
PFDoA-13C
Conc 6.1134
RT 5.326 Area 5056976
Q 614.80>569.95 (-) 2.41e6



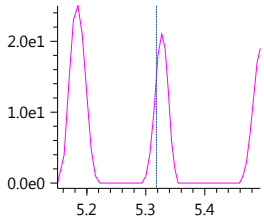
PFDoA-13C_IS
Conc 5.0000
RT 5.326 Area 5056976
ISTD 614.80>569.95 (-) 2.41e6



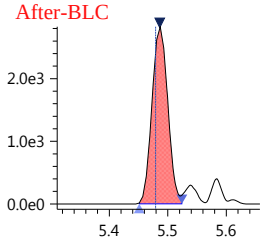
10_2-FtS_1
Conc 0.0008
RT 5.330 Area 25
R#1 184.62 (0.00)
Q 627.00>606.95 (-) 2.90e1



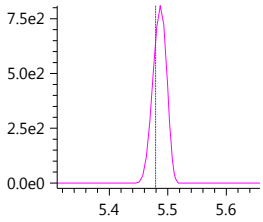
R1 627.00>81.25 (-) 2.50e1



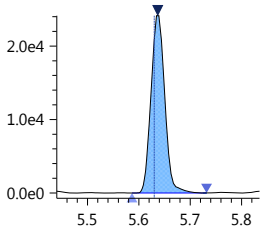
PFTrDA
Conc -0.0020
RT 5.486 Area 5327
R#1 30.35 (0.00)
Q 663.00>618.90 (-) 2.83e3



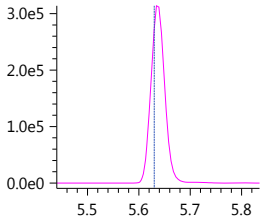
R1 662.90>169.00 (-) 8.09e2



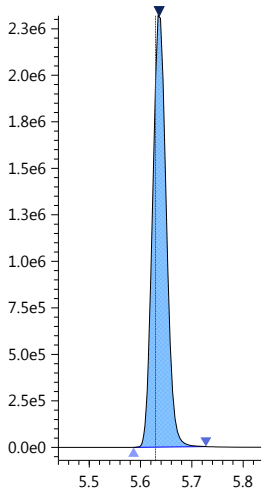
PFTeDA
Conc 0.0054
RT 5.637 Area 45175
R#1 1307.21 (0.00)
Q 713.40>669.00 (-) 2.41e4



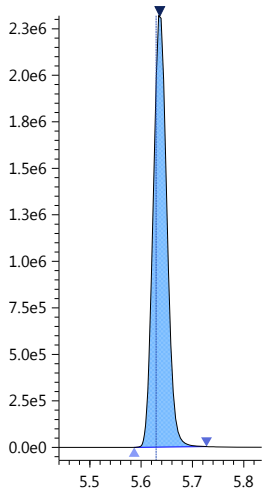
R1 713.40>169.10 (-) 3.14e5



PFTeDA-13C
Conc 6.8983
RT 5.636 Area 4346568
Q 714.70>669.90 (-) 2.32e6



PFTeDA-13C_IS
Conc 5.0000
RT 5.636 Area 4346568
ISTD 714.70>669.90 (-) 2.32e6



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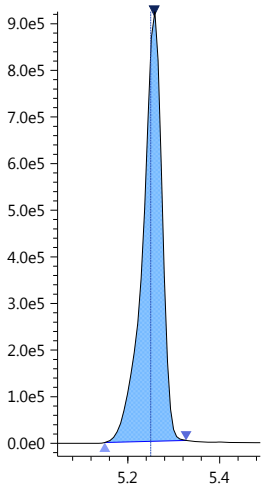
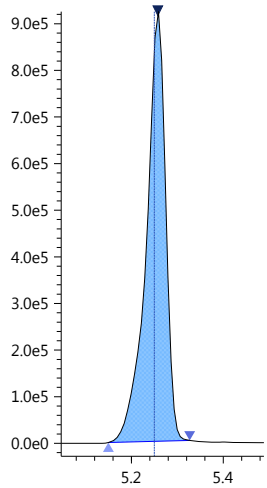
FOSA-13C_IS
Conc 5.0000
RT 5.258 Area 2688997

ISTD 506.00>78.05 (-) 9.26e5



FOSA-13C
Conc 6.1327
RT 5.258 Area 2688997

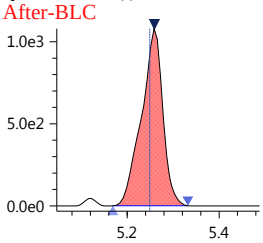
Q 506.00>78.05 (-) 9.26e5



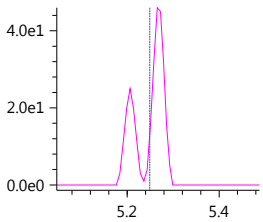
FOSA
Conc 0.0050
RT 5.259 Area 3473
R#1 3.09 (0.00)

Q 498.20>78.00 (-) 1.08e3

After-BLC

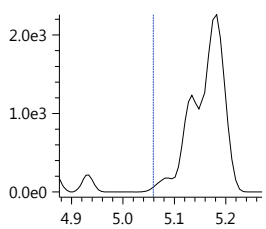


R1 498.20>64.10 (-) 4.60e1

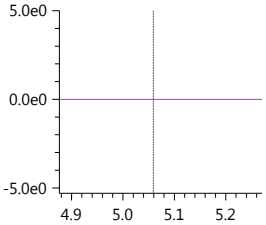


N-MeFOSAA
Conc ----
RT ---- Area ----
R#1 ---- (0.00)

Q 570.20>419.00 (-) 2.26e3

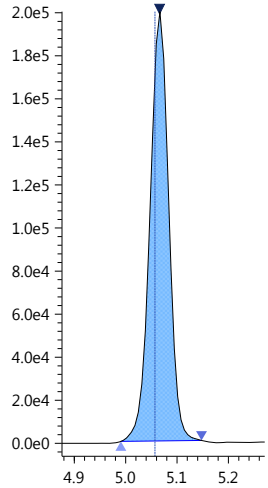


R1 570.20>512.00 (-) 0.00e0



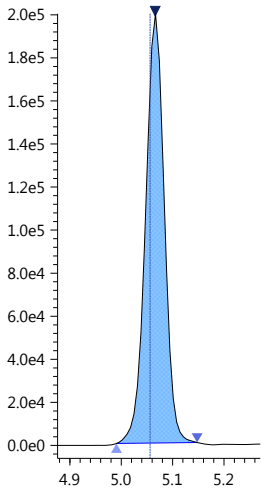
N-MeFOSAA-d3
Conc 5.7158
RT 5.066 Area 506544

Q 572.80>419.05 (-) 2.01e5



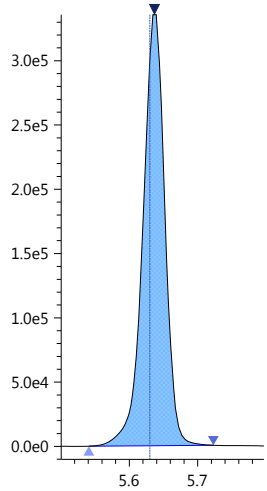
N-MeFOSAA-d3_IS
Conc 5.0000
RT 5.066 Area 506544

ISTD 572.80>419.05 (-) 2.01e5



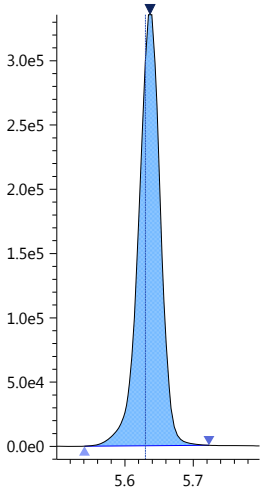
N-MeFOSA-d3_IS
Conc 5.0000
RT 5.637 Area 749342

ISTD 514.90>168.90 (-) 3.36e5



N-MeFOSA-d3
Conc 5.6529
RT 5.637 Area 749342

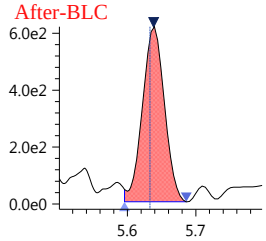
Q 514.90>168.90 (-) 3.36e5



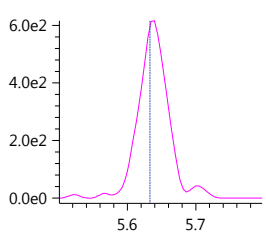
N-MeFOSA
Conc 0.0054
RT 5.638 Area 1373
R#1 102.66 (0.00)

Q 512.00>169.10 (-) 6.23e2

After-BLC

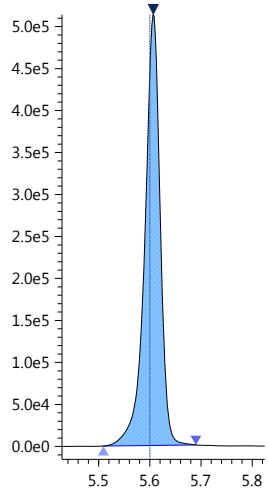


R1 512.00>219.00 (-) 6.16e2



N-MeFOSE-d7
Conc 5.6297
RT 5.607 Area 1074425

Q 622.70>59.10 (-) 5.14e5



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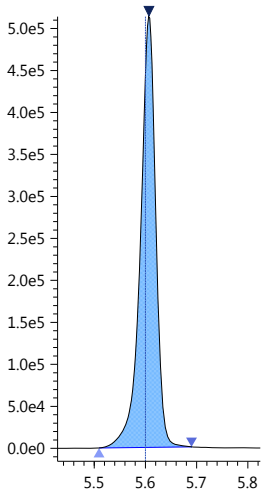
N-MeFOSE-d7_IS

Conc 5.0000
RT 5.607 Area 1074425

ISTD 622.70>59.10 (-) 5.14e5

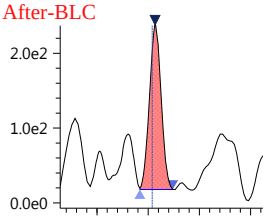


N-MeFOSE

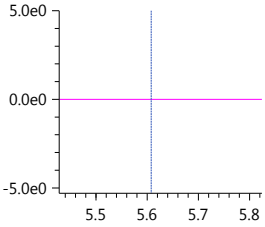
Conc 0.0014
RT 5.614 Area 351
R#1 0.00 (0.00)

Q 616.00>59.00 (-) 2.37e2

After-BLC



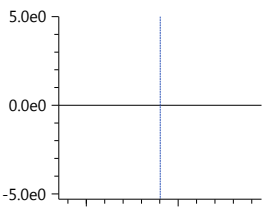
R1 556.00>121.20 (-) 0.00e0



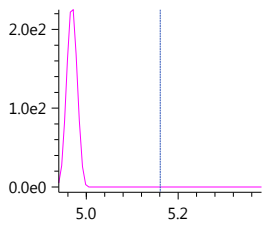
N-EtFOSAA

Conc ----
RT ---- Area ----
R#1 ---- (0.00)

Q 584.20>418.95 (-) 0.00e0



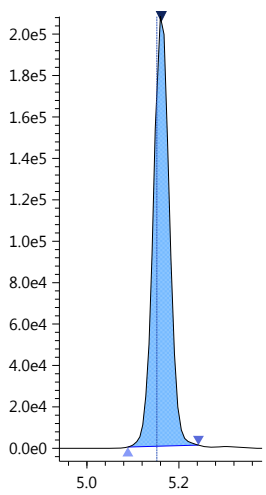
R1 584.20>526.10 (-) 2.25e2



N-EtFOSAA-d5_IS

Conc 5.0000
RT 5.162 Area 513193

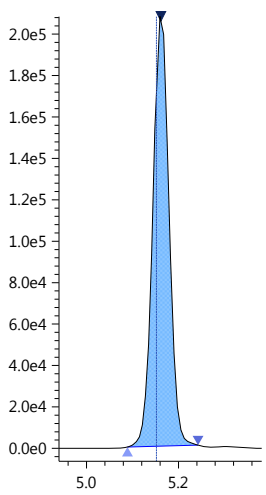
ISTD 588.80>419.00 (-) 2.08e5



N-EtFOSAA-d5

Conc 6.5756
RT 5.162 Area 513193

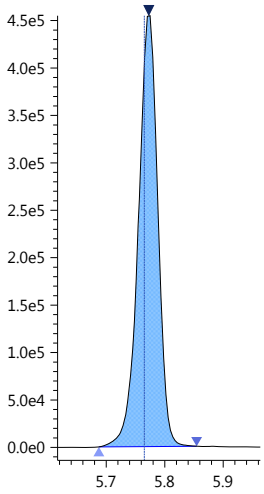
Q 588.80>419.00 (-) 2.08e5



N-EtFOSA-d9_IS

Conc 5.0000
RT 5.773 Area 1056397

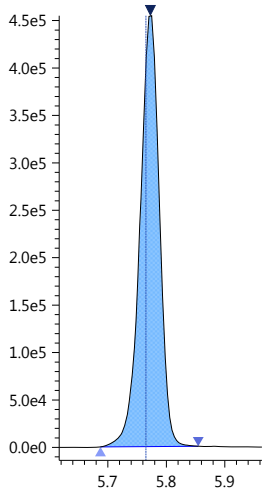
ISTD 530.90>169.15 (-) 4.55e5



N-EtFOSA-d9

Conc 5.3735
RT 5.773 Area 1056397

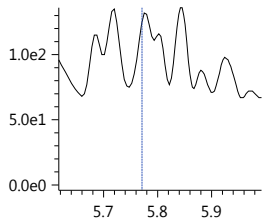
Q 530.90>169.15 (-) 4.55e5



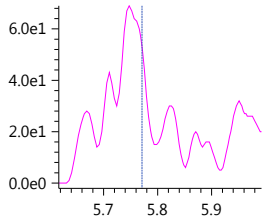
N-EtFOSA

Conc ----
RT ---- Area ----
R#1 ---- (0.00)

Q 526.90>169.10 (-) 1.36e2



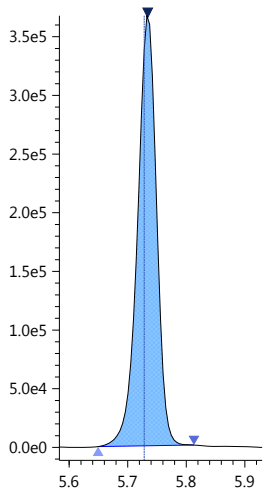
R1 526.90>219.00 (-) 6.90e1



N-EtFOSE-d9_IS

Conc 5.0000
RT 5.734 Area 833033

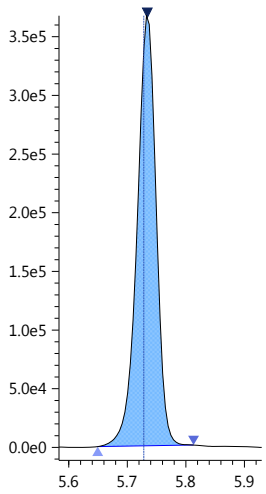
ISTD 638.70>59.10 (-) 3.68e5



N-EtFOSE-d9

Conc 5.3296
RT 5.734 Area 833033

Q 638.70>59.10 (-) 3.68e5



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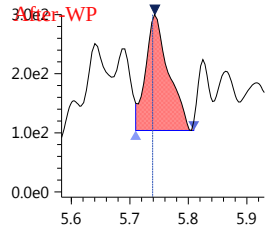
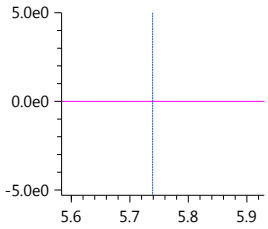
N-EtFOSE

Conc 0.0025
RT 5.743 Area 536
R#1 0.00 (0.00)

Q 630.00>58.90 (-) 3.00e2



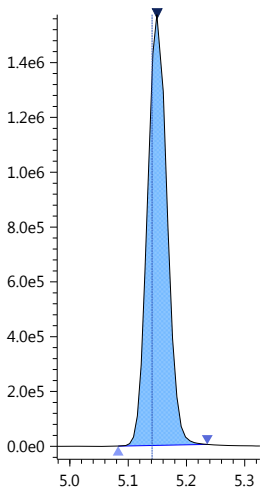
R1 570.00>136.10 (-) 0.00e0



13C7-PFUnDA_IS

Conc 5.0000
RT 5.150 Area 3707373

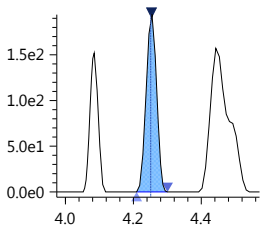
ISTD 570.00>525.00 (-) 1.57e6



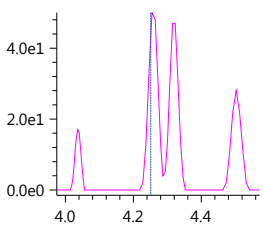
PFPeS

Conc 0.0024
RT 4.253 Area 417
R#1 23.00 (0.00)

Q 349.00>99.00 (-) 1.94e2



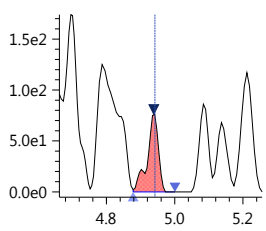
R1 349.00>79.95 (-) 5.00e1



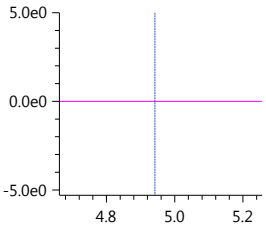
PFNS

Conc 0.0014
RT 4.939 Area 173
R#1 0.00 (0.00)

Q 549.00>99.00 (-) 1.74e2



R1 549.00>79.95 (-) 0.00e0



Insight Report

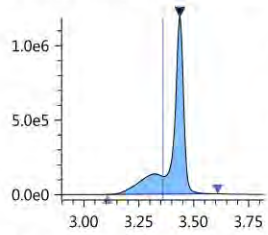
Printed at 6/19/2019 8:39:19 AM

Method File: J:\LCMS06\Data\190618_b1\190618_b1.lcm
Project File: J:\LCMS06\Data\190618_b1\190618_b1.damlp
Flags File: J:\LCMS06\Data\190618_b1\190618_b1.damlp

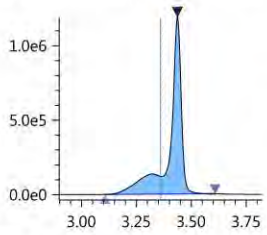
190618_027

Sample ID: IB
Date acquired: 6/18/2019 3:23:02 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190618_b1\190618_027.lcd
Vial: 25 | Inj. Volume: 15.0000uL | Tray: 1

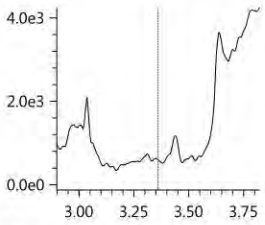
PFBA-13C_IS
Conc 5.0000
RT 3.437 Area 4303726
ISTD 216.90>172.15 (-) 1.19e6



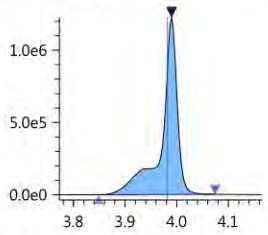
PFBA-13C
Conc 6.0811
RT 3.437 Area 4303726
Q 216.90>172.15 (-) 1.19e6



PFBA
Conc ----
RT ---- Area ----
Q 213.00>169.10 (-) 4.25e3



PFPeA-13C_IS
Conc 5.0000
RT 3.990 Area 2546121
ISTD 267.90>223.00 (-) 1.23e6



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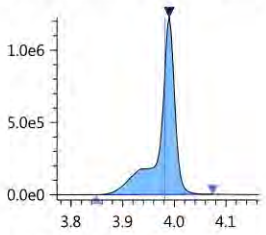
Conc 5.9369
RT 3.990 Area 2546121
Q 267.90>223.00 (-) 1.23e6



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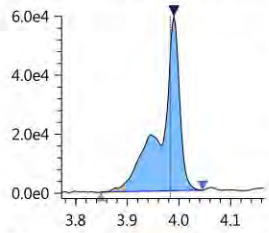
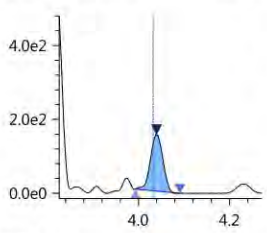
Conc 0.0783
RT 3.990 Area 151553
Q 263.05>219.10 (-) 6.01e4



PFBS_1
Conc 0.0008
RT 4.040 Area 289
Q 299.00>80.00 (-) 4.80e2



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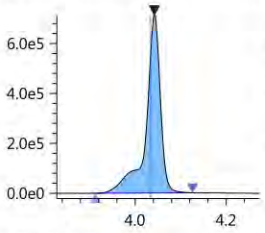
Conc 6.0743
RT 4.042 Area 1572093
Q 301.80>80.00 (-) 7.10e5



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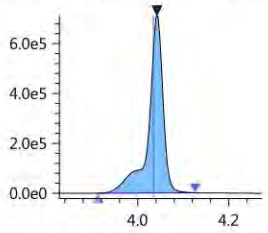
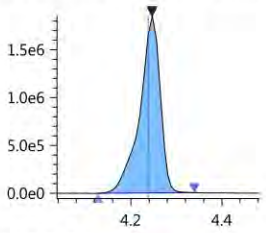
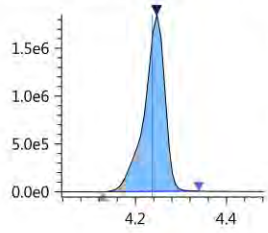
Conc 5.0000
RT 4.042 Area 1572093
ISTD 301.80>80.00 (-) 7.10e5



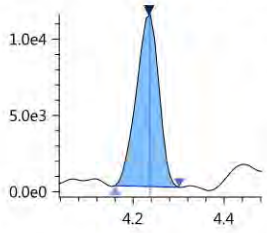
PFHxA-13C_IS
Conc 5.0000
RT 4.247 Area 5742168
ISTD 314.90>270.10 (-) 1.85e6



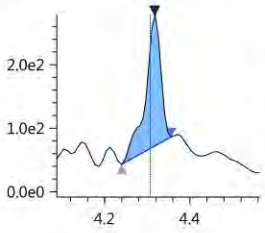
PFHxA-13C
Conc 5.9396
RT 4.247 Area 5742168
Q 314.90>270.10 (-) 1.85e6



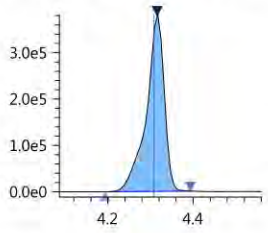
PFHxA
Conc 0.0267
RT 4.234 Area 39180
Q 313.00>269.00 (-) 1.16e4



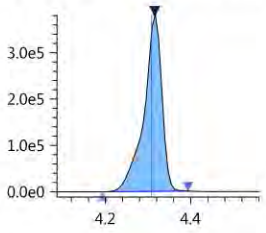
HPFO_DA
Conc 0.0021
RT 4.317 Area 510
Q 329.00>169.00 (-) 2.79e2



HFPO_DA-13C_IS
Conc 5.0000
RT 4.316 Area 1105683
ISTD 332.00>286.80 (-) 3.82e5



HFPO_DA-13C
Conc 5.6850
RT 4.316 Area 1105683
Q 332.00>286.80 (-) 3.82e5



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4_2-FTS-13C_IS
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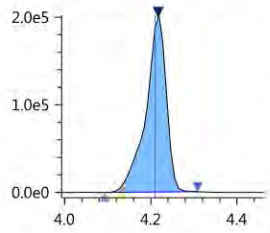
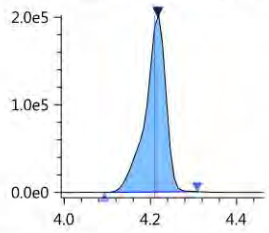
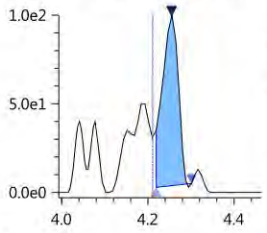
RT 4.217 Area 658598
ISTD 328.80>309.05 (-) 2.02e5



4_2-FTS-13C
Conc 5.4700
RT 4.217 Area 658598
Q 328.80>309.05 (-) 2.02e5



4_2-FTS_1
Conc 0.0017
RT 4.255 Area 244
Q 327.00>307.05 (-) 1.00e2



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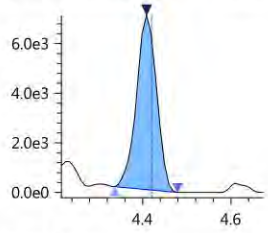
RT 4.409 Area 22334
Q 362.90>319.00 (-) 7.15e3



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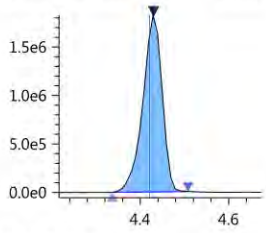
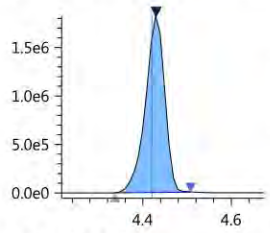
Conc 5.0000
RT 4.430 Area 5502478
ISTD 366.90>322.10 (-) 1.83e6



PFHpA-13C
Conc 5.8677
RT 4.430 Area 5502478
Q 366.90>322.10 (-) 1.83e6



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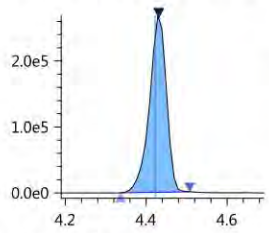
Conc 5.0000
RT 4.431 Area 780002
ISTD 402.70>84.05 (-) 2.69e5



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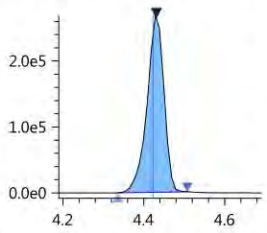
RT 4.431 Area 780002
Q 402.70>84.05 (-) 2.69e5



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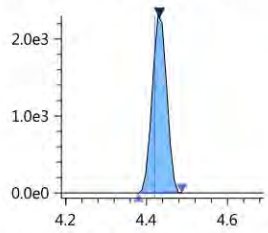
Conc 0.0252
RT 4.432 Area 5795
Q 399.00>80.00 (-) 2.30e3



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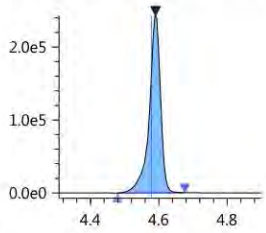
Q 428.90>409.00 (-) 2.43e5



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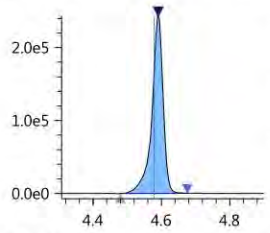
RT 4.591 Area 558004
ISTD 428.90>409.00 (-) 2.43e5



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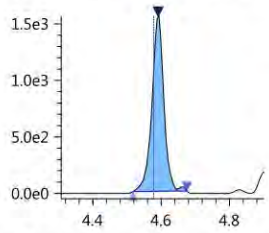
Q 427.00>407.00 (-) 1.57e3



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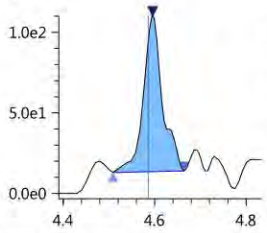
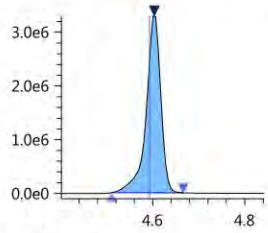
Q 449.00>80.15 (-) 1.10e2



PFOA-13C_IS
Conc 5.0000
RT 4.603 Area 7297732
ISTD 416.80>372.05 (-) 3.30e6



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Conc 6.4125
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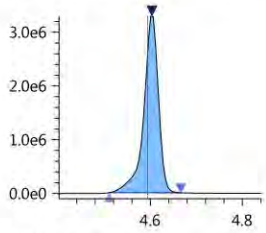
Q 416.80>372.05 (-) 3.30e6



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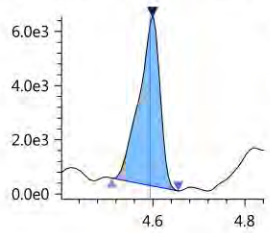
Conc 0.0137
RT 4.599 Area 19743
Q 413.00>369.00 (-) 6.55e3



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Conc 0.0048
RT 4.770 Area 667
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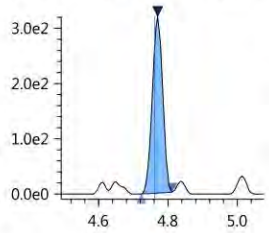

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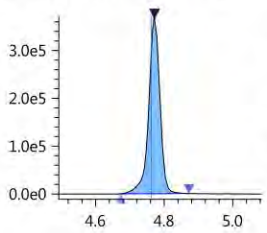

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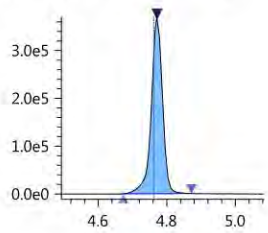

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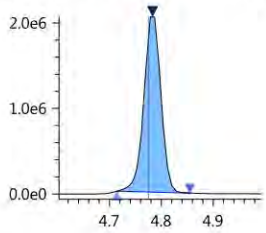
RT 4.783 Area 4736299
ISTD 467.80>423.00 (-) 2.07e6



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PFNA-13C
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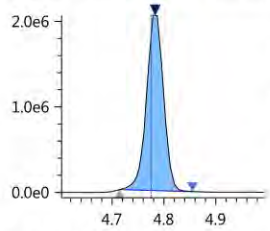
RT 4.783 Area 4736299
Q 467.80>423.00 (-) 2.07e6



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Conc 0.0113
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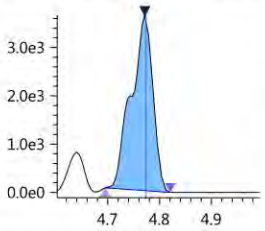
Q 463.00>418.90 (-) 3.67e3



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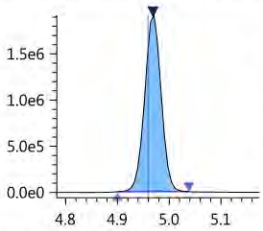
ISTD 514.80>469.95 (-) 1.92e6



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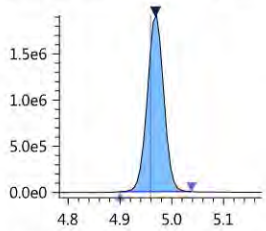

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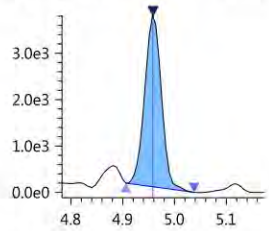

8_2-FTS-13C_IS
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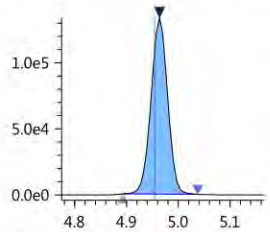
ISTD 528.80>509.00 (-) 1.34e5



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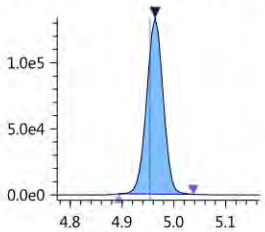
Q 528.80>509.00 (-) 1.34e5



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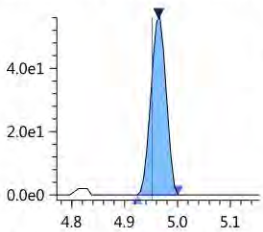
RT 4.964 Area 113
Q 527.10>506.90 (-) 5.60e1



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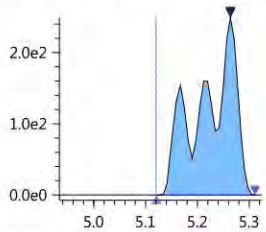
Conc 0.0077
RT 5.264 Area 1143
Q 599.00>79.90 (-) 2.49e2



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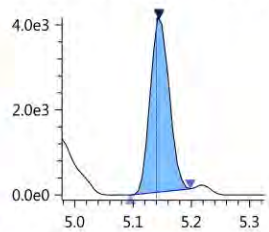

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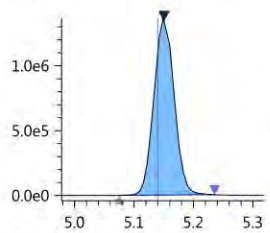

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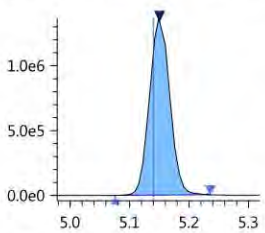

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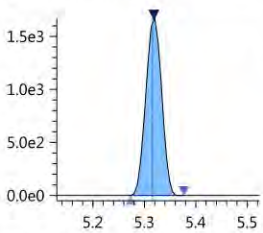
Q 613.05>569.00 (-) 1.67e3



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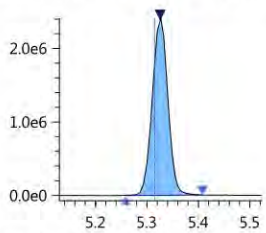
Conc 6.1134
RT 5.326 Area 5056976
Q 614.80>569.95 (-) 2.41e6



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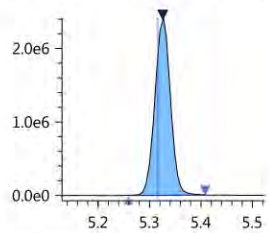
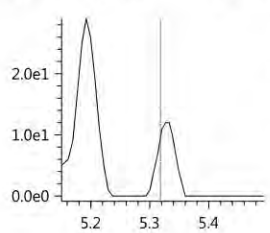


10_2-FtS_1
Conc ----
RT ---- Area ----
Q 627.00>606.95 (-) 2.90e1



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Conc 0.0060
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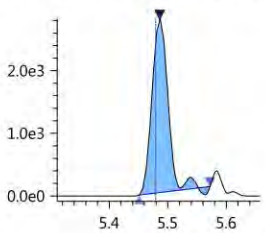
Q 663.00>618.90 (-) 2.83e3



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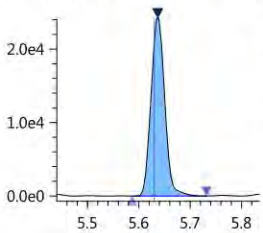
Q 713.40>669.00 (-) 2.41e4



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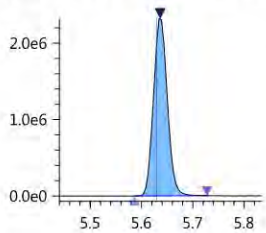
Q 714.70>669.90 (-) 2.32e6



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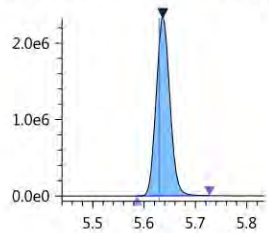

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FOSA-13C_IS
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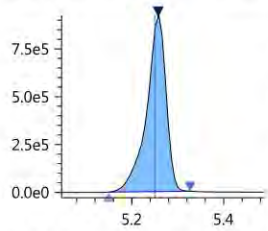
ISTD 506.00>78.05 (-) 9.26e5



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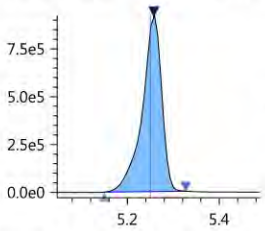
Q 506.00>78.05 (-) 9.26e5



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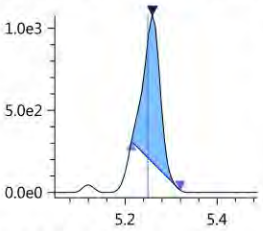
Conc 0.0032
RT 5.259 Area 2205
Q 498.20>78.00 (-) 1.08e3



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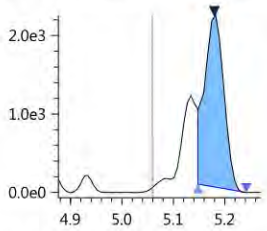
Conc 0.0825
RT 5.180 Area 5783
Q 570.20>419.00 (-) 2.26e3



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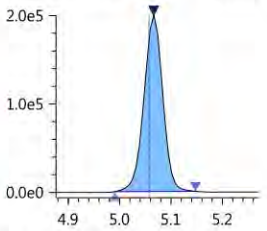
RT 5.066 Area 506544
Q 572.80>419.05 (-) 2.01e5



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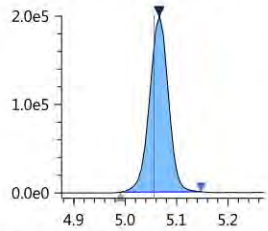
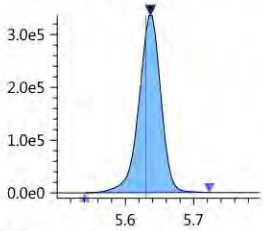


N-MeFOSA-d3_IS
Conc 5.0000
RT 5.637 Area 749342
ISTD 514.90>168.90 (-) 3.36e5



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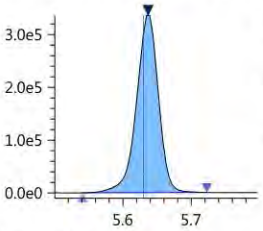
Q 514.90>168.90 (-) 3.36e5



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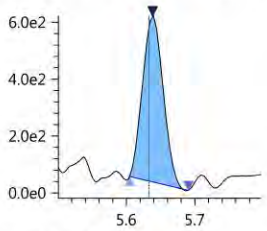
Conc 0.0048
RT 5.638 Area 1220
Q 512.00>169.10 (-) 6.23e2



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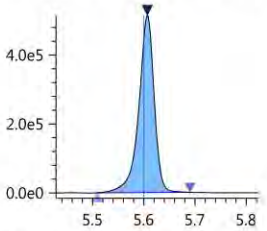
Conc 5.6297
RT 5.607 Area 1074425
Q 622.70>59.10 (-) 5.14e5



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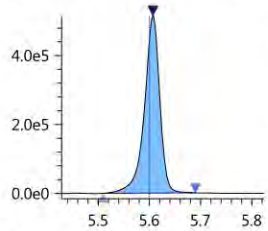
RT 5.607 Area 1074425
ISTD 622.70>59.10 (-) 5.14e5



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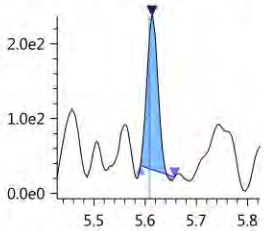
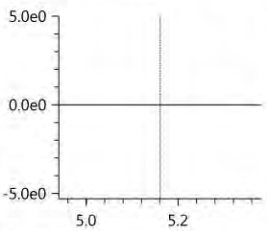
RT 5.614 Area 303
Q 616.00>59.00 (-) 2.37e2



N-EtFOSAA
Conc ----
RT ---- Area ----
Q 584.20>418.95 (-) 0.00e0



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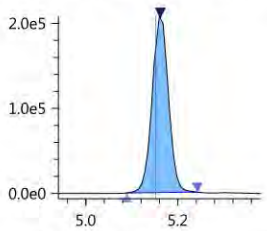
RT 5.162 Area 513193
ISTD 588.80>419.00 (-) 2.08e5



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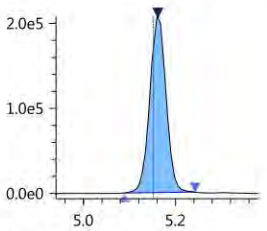
Conc 6.5756
RT 5.162 Area 513193
Q 588.80>419.00 (-) 2.08e5



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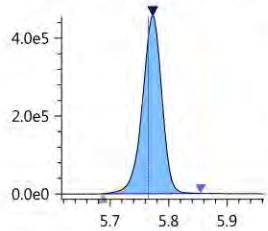
RT 5.773 Area 1056397
ISTD 530.90>169.15 (-) 4.55e5



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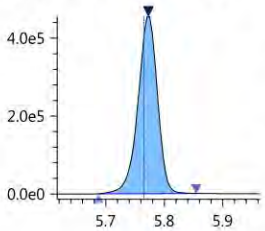
Q 530.90>169.15 (-) 4.55e5



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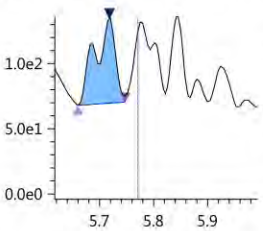
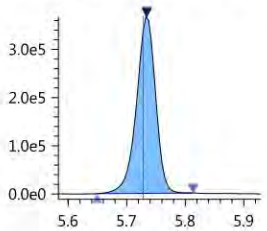
Conc 0.0041
RT 5.718 Area 172
Q 526.90>169.10 (-) 1.36e2



N-EtFOSE-d9_IS
Conc 5.0000
RT 5.734 Area 833033
ISTD 638.70>59.10 (-) 3.68e5



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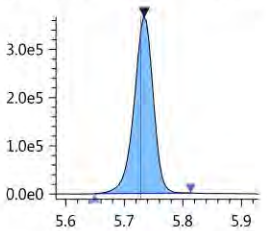

Insight Report

N-EtFOSE
Conc 0.0019
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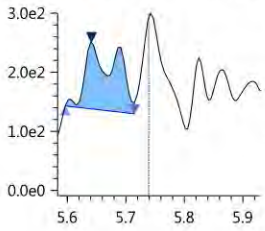
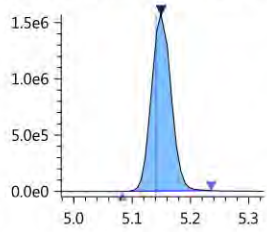
Q 630.00>58.90 (-) 3.00e2



13C7-PFUnDA_IS
Conc 5.0000
RT 5.150 Area 3707373
ISTD 570.00>525.00 (-) 1.57e6



PFPeS
Conc 0.0024
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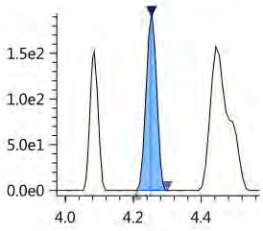
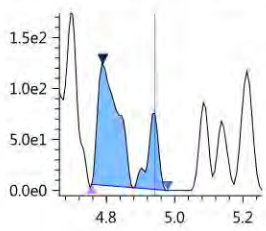
Q 349.00>99.00 (-) 1.94e2



PFNS
Conc 0.0053
RT 4.789 Area 655
Q 549.00>99.00 (-) 1.74e2



Insight Report

Printed at 6/19/2019 1:07:21 PM

190618_028

Sample ID: 0.05 PPB ICAL
Date acquired: 6/18/2019 3:33:28 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190618_b1\190618_028.lcd
Vial: 28 | Inj. Volume: 15.0000uL | Tray: 1

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
PFBA-13C_IS	Auto	3.428	3971355	3971355	2	5.0000	ng/mL	5.0000
PFBA-13C	Auto	3.428	3971355	4010610	26	5.1872	ng/mL	5.0000
PFBA	Auto	3.428	44361	3971355	2	0.0547	ng/mL	0.0500
PFPeA-13C_IS	Auto	3.982	2443511	2443511	4	5.0000	ng/mL	5.0000
PFPeA-13C	Auto	3.982	2443511	4010610	26	5.2668	ng/mL	5.0000
PFPeA	Auto	3.981	202743	2443511	4	0.0509	ng/mL	0.0500
PFBS_1	M	4.032	17086	1450081	16	0.0502	ng/mL	0.0444
PFBS-13C	Auto	4.034	1450081	4010610	26	5.1792	ng/mL	5.0000
PFBS-13C_IS	Auto	4.034	1450081	1450081	16	5.0000	ng/mL	5.0000
PFHxA-13C_IS	Auto	4.239	5598522	5598522	6	5.0000	ng/mL	5.0000
PFHxA-13C	Auto	4.239	5598522	4010610	26	5.3531	ng/mL	5.0000
PFHxA	Auto	4.235	95700	5598522	6	0.0485	ng/mL	0.0500
HPFO_DA	M	4.308	12529	1055832	3	0.0543	ng/mL	0.0500
HFPO_DA-13C_IS	Auto	4.307	1055832	1055832	3	5.0000	ng/mL	5.0000
HFPO_DA-13C	Auto	4.307	1055832	4010610	26	5.0183	ng/mL	5.0000
4_2-FTS-13C_IS	Auto	4.210	636834	636834	5	5.0000	ng/mL	5.0000
4_2-FTS-13C	Auto	4.210	636834	4010610	26	4.8893	ng/mL	5.0000
4_2-FTS_1	M	4.210	8120	636834	5	0.0566	ng/mL	0.0469
PFHpA	M	4.420	73188	6013425	8	0.0485	ng/mL	0.0500
PFHpA-13C_IS	Auto	4.422	6013425	6013425	8	5.0000	ng/mL	5.0000
PFHpA-13C	Auto	4.422	6013425	4010610	26	5.9277	ng/mL	5.0000
PFHxS-18O_IS	Auto	4.423	840518	840518	7	5.0000	ng/mL	5.0000
PFHxS-18O	Auto	4.423	840518	4010610	26	5.8378	ng/mL	5.0000
PFHxS_1	Auto	4.421	12975	840518	7	0.0068	ng/mL	0.0457
6_2-FTS-13C	Auto	4.583	536315	4010610	26	5.2899	ng/mL	5.0000
6_2-FTS-13C_IS	Auto	4.583	536315	536315	10	5.0000	ng/mL	5.0000
6_2-FTS_1	Auto	4.583	6230	536315	10	0.0470	ng/mL	0.0476
PFHpS_1	Auto	4.588	11388	840518	7	0.0418	ng/mL	0.0477
PFOA-13C_IS	Auto	4.596	6752001	6752001	9	5.0000	ng/mL	5.0000
PFOA-13C	Auto	4.596	6752001	4010610	26	5.4844	ng/mL	5.0000
PFOA	Auto	4.595	83922	6752001	9	0.0494	ng/mL	0.0500
PFOS_1	Auto	4.764	7743	945037	13	0.0491	ng/mL	0.0465
PFOS-13C_IS	Auto	4.764	945037	945037	13	5.0000	ng/mL	5.0000
PFOS-13C	Auto	4.764	945037	4010610	26	5.2291	ng/mL	5.0000
PFNA-13C_IS	M	4.777	4664878	4664878	11	5.0000	ng/mL	5.0000
PFNA-13C	M	4.777	4664878	4010610	26	5.6423	ng/mL	5.0000
PFNA	Auto	4.774	57204	4664878	11	0.0469	ng/mL	0.0500
PFDA-13C_IS	Auto	4.962	4225883	4225883	12	5.0000	ng/mL	5.0000
PFDA-13C	Auto	4.962	4225883	4010610	26	5.4580	ng/mL	5.0000
PFDA	Auto	4.959	44949	4225883	12	0.0522	ng/mL	0.0500
8_2-FTS-13C_IS	Auto	4.956	309489	309489	15	5.0000	ng/mL	5.0000
8_2-FTS-13C	Auto	4.956	309489	4010610	26	5.4946	ng/mL	5.0000
8_2-FTS_1	M	4.956	2453	309489	15	0.0519	ng/mL	0.0480
PFDS_1	M	5.125	9692	945037	13	0.0570	ng/mL	0.0482
PFUnA	Auto	5.141	48557	3171629	14	0.0560	ng/mL	0.0500
PFUnA-13C_IS	Auto	5.142	3171629	3171629	14	5.0000	ng/mL	5.0000
PFUnA-13C	Auto	5.142	3171629	4010610	26	4.9853	ng/mL	5.0000
PFDoA	Auto	5.316	37619	4750673	17	0.0499	ng/mL	0.0500
PFDoA-13C	Auto	5.318	4750673	4010610	26	5.3089	ng/mL	5.0000
PFDoA-13C_IS	Auto	5.318	4750673	4750673	17	5.0000	ng/mL	5.0000
10_2-FtS_1	M	5.320	1429	309489	15	0.0433	ng/mL	0.0483
PFTrDA	Auto	5.481	42185	3589118	22	0.0526	ng/mL	0.0500
PFTeDA	Auto	5.631	48157	3589118	22	0.0500	ng/mL	0.0500
PFTeDA-13C	Auto	5.631	3589118	4010610	26	5.2655	ng/mL	5.0000
PFTeDA-13C_IS	Auto	5.631	3589118	3589118	22	5.0000	ng/mL	5.0000
FOSA-13C_IS	Auto	5.251	2478117	2478117	18	5.0000	ng/mL	5.0000
FOSA-13C	Auto	5.251	2478117	4010610	26	5.2245	ng/mL	5.0000
FOSA	Auto	5.249	34020	2478117	18	0.0536	ng/mL	0.0500
N-MeFOSAA	M	5.064	2332	468709	19	0.0375	ng/mL	0.0500
N-MeFOSAA-d3	Auto	5.059	468709	4010610	26	4.8890	ng/mL	5.0000
N-MeFOSAA-d3_IS	Auto	5.059	468709	468709	19	5.0000	ng/mL	5.0000
N-MeFOSA-d3_IS	Auto	5.632	739272	739272	1	5.0000	ng/mL	5.0000
N-MeFOSA-d3	Auto	5.632	739272	4010610	26	5.1552	ng/mL	5.0000
N-MeFOSA	M	5.635	13423	739272	1	0.0533	ng/mL	0.0500
N-MeFOSE-d7	Auto	5.601	1065441	4010610	26	5.1605	ng/mL	5.0000
N-MeFOSE-d7_IS	Auto	5.601	1065441	1065441	20	5.0000	ng/mL	5.0000
N-MeFOSE	Auto	5.608	12847	1065441	20	0.0504	ng/mL	0.0500
N-EtFOSAA	M	5.160	4485	447797	21	0.0793	ng/mL	0.0500

Insight Report

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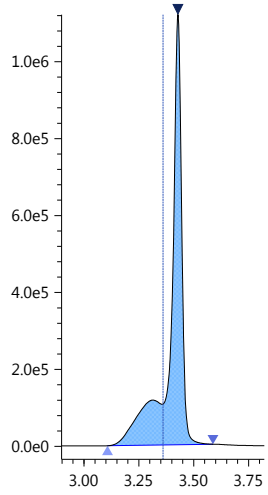
(Table continued from previous page)

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
N-EtFOSAA-d5_IS	Auto	5.155	447797	447797	21	5.0000	ng/mL	5.0000
N-EtFOSAA-d5	Auto	5.155	447797	4010610	26	5.3039	ng/mL	5.0000
N-EtFOSA-d9_IS	Auto	5.767	1105535	1105535	23	5.0000	ng/mL	5.0000
N-EtFOSA-d9	Auto	5.767	1105535	4010610	26	5.1982	ng/mL	5.0000
N-EtFOSA	M	5.772	2737	1105535	23	0.0614	ng/mL	0.0500
N-EtFOSE-d9_IS	Auto	5.729	875616	875616	24	5.0000	ng/mL	5.0000
N-EtFOSE-d9	Auto	5.729	875616	4010610	26	5.1785	ng/mL	5.0000
N-EtFOSE	Auto	5.741	11718	875616	24	0.0512	ng/mL	0.0500
13C7-PFUnDA_IS	Auto	5.142	4010610	4010610	26	5.0000	ng/mL	5.0000
PFPeS	Auto	4.252	8558	1450081	16	0.0537	ng/mL	0.0470
PFNS	Auto	4.947	7016	945037	13	0.0498	ng/mL	0.0481

PFBA-13C_IS

Conc 5.0000
RT 3.428 Area 3971355
ISTD 216.90>172.15 (-) 1.12e6



PFBA-13C

Conc 5.1872
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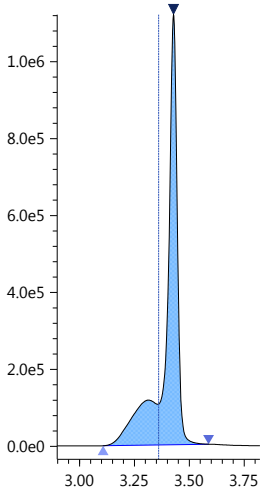
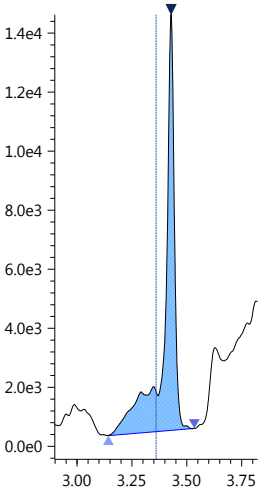
Q 216.90>172.15 (-) 1.12e6



PFBA

Conc 0.0547
RT 3.428 Area 44361
Q 213.00>169.10 (-) 1.46e4



PFPeA-13C_IS

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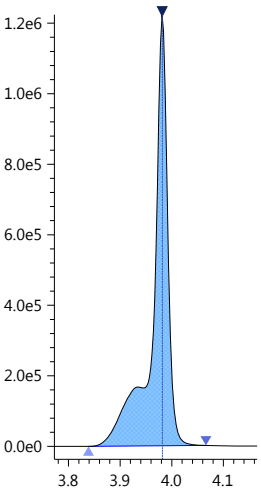
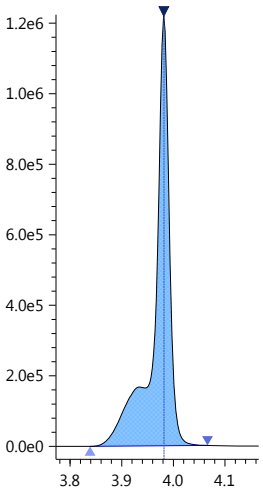
RT 3.982 Area 2443511
ISTD 267.90>223.00 (-) 1.22e6



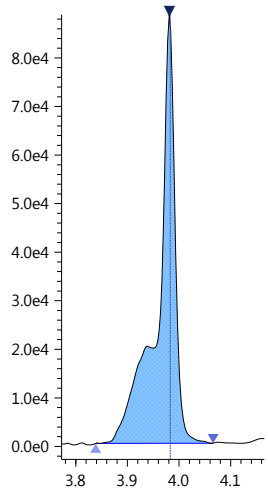
PFPeA-13C

Conc 5.2668
RT 3.982 Area 2443511
Q 267.90>223.00 (-) 1.22e6



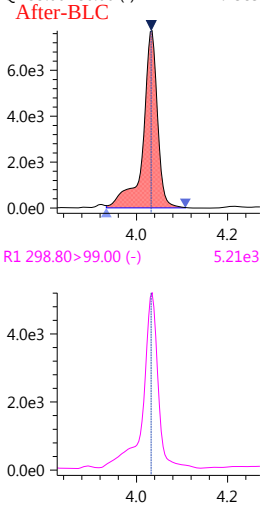
PFPeA

Conc 0.0509
RT 3.981 Area 202743
Q 263.05>219.10 (-) 8.89e4



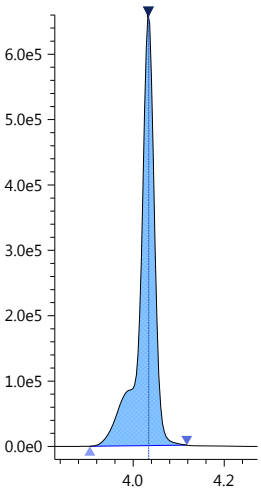
PFBS_1

Conc 0.0502
RT 4.032 Area 17086
R#1 63.86 (0.00)
Q 299.00>80.00 (-) 7.73e3



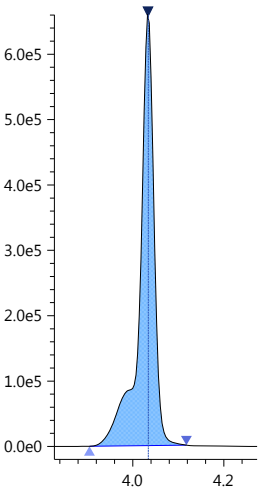
PFBS-13C

Conc 5.1792
RT 4.034 Area 1450081
Q 301.80>80.00 (-) 6.60e5



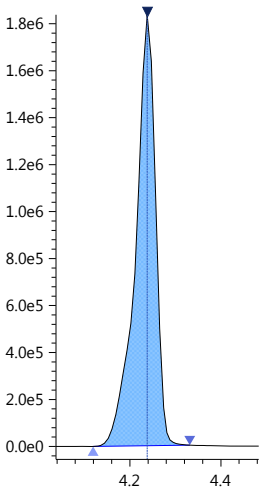
PFBS-13C_IS

Conc 5.0000
RT 4.034 Area 1450081
ISTD 301.80>80.00 (-) 6.60e5



PFHxA-13C_IS

Conc 5.0000
RT 4.239 Area 5598522
ISTD 314.90>270.10 (-) 1.84e6



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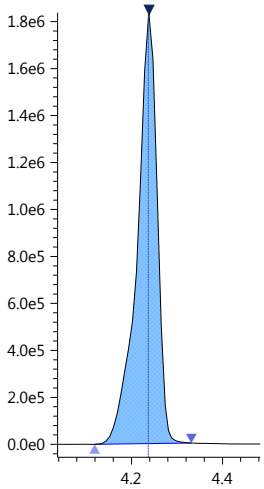
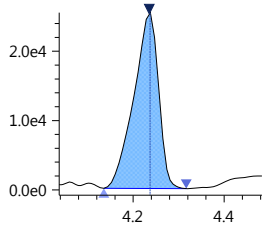
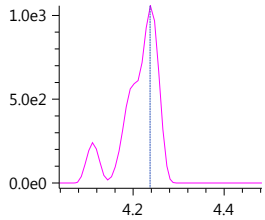
PFHxA-13C
Conc 5.3531
RT 4.239 Area 5598522
Q 314.90>270.10 (-) 1.84e6



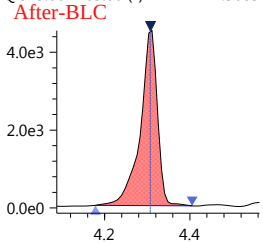
PFHxA
Conc 0.0485
RT 4.235 Area 95700
R#1 4.10 (0.00)
Q 313.00>269.00 (-) 2.56e4



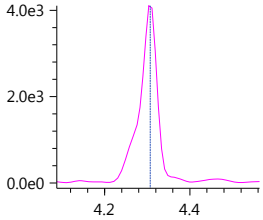
R1 313.00>119.10 (-) 1.06e3



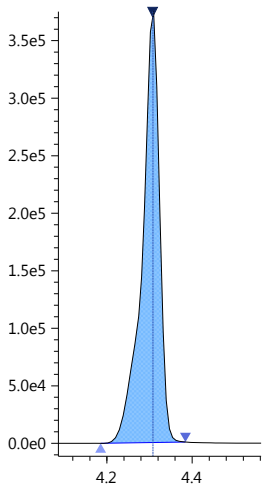
HPFO_DA
Conc 0.0543
RT 4.308 Area 12529
R#1 92.03 (0.00)
Q 329.00>169.00 (-) 4.56e3
After-BLC



R1 329.00>285.10 (-) 4.11e3



HFPO_DA-13C_IS
Conc 5.0000
RT 4.307 Area 1055832
ISTD 332.00>286.80 (-) 3.75e5



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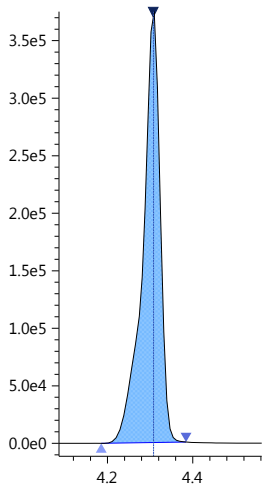
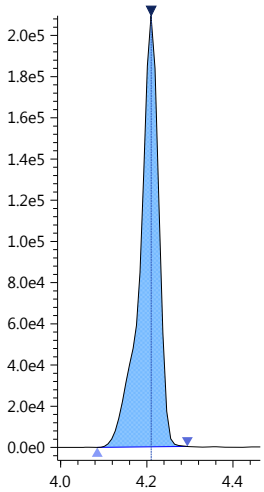
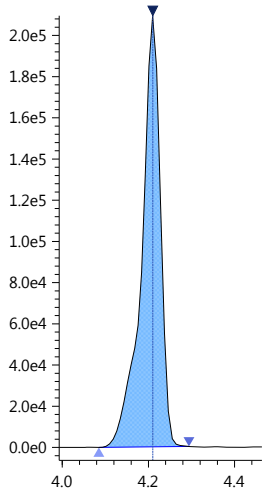
Conc 5.0183
RT 4.307 Area 1055832
Q 332.00>286.80 (-) 3.75e5



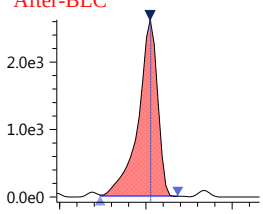
4_2-FTS-13C_IS
Conc 5.0000
RT 4.210 Area 636834
ISTD 328.80>309.05 (-) 2.10e5



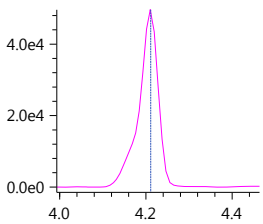
4_2-FTS-13C
Conc 4.8893
RT 4.210 Area 636834
Q 328.80>309.05 (-) 2.10e5



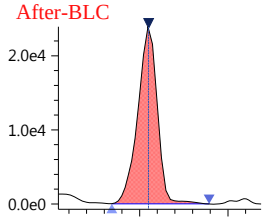
4_2-FTS_1
Conc 0.0566
RT 4.210 Area 8120
R#1 1891.94 (0.00)
Q 327.00>307.05 (-) 2.63e3
After-BLC



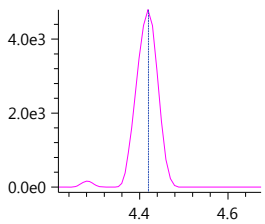
R1 327.00>81.10 (-) 4.96e4



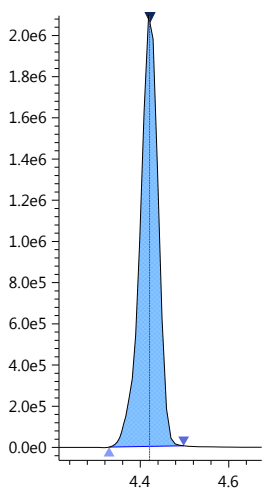
PFHpA
Conc 0.0485
RT 4.420 Area 73188
R#1 20.30 (0.00)
Q 362.90>319.00 (-) 2.39e4
After-BLC



R1 362.90>169.00 (-) 4.79e3



PFHpA-13C_IS
Conc 5.0000
RT 4.422 Area 6013425
ISTD 366.90>322.10 (-) 2.10e6



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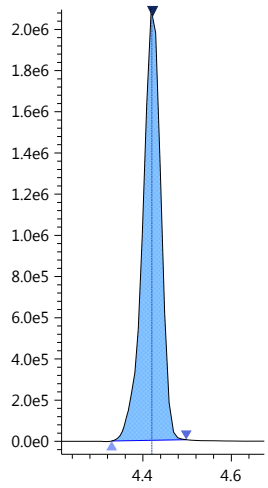
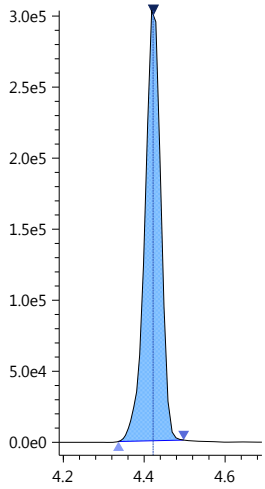
PFHpA-13C
Conc 5.9277
RT 4.422 Area 6013425

Q 366.90>322.10 (-) 2.10e6



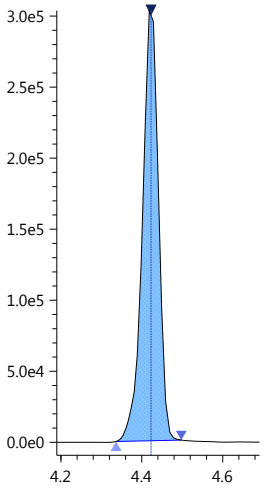
PFHxS-18O_IS
Conc 5.0000
RT 4.423 Area 840518

ISTD 402.70>84.05 (-) 3.04e5



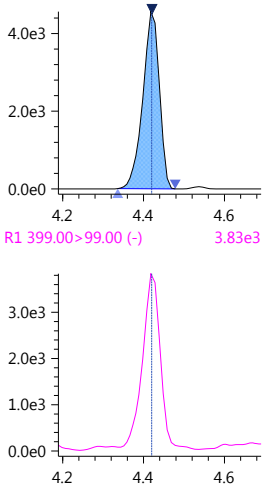
PFHxS-18O
Conc 5.8378
RT 4.423 Area 840518

Q 402.70>84.05 (-) 3.04e5



PFHxS_1
Conc 0.0068
RT 4.421 Area 12975
R#1 82.08 (0.00)

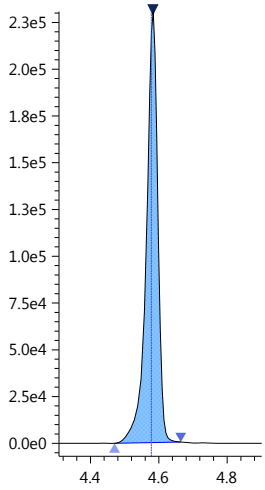
Q 399.00>80.00 (-) 4.56e3



R1 399.00>99.00 (-) 3.83e3

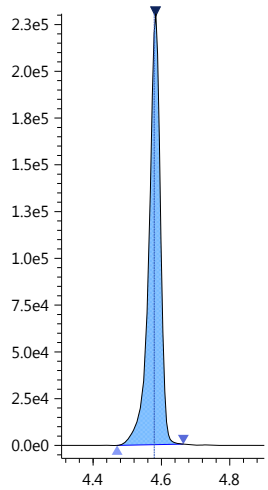
6_2-FTS-13C
Conc 5.2899
RT 4.583 Area 536315

Q 428.90>409.00 (-) 2.31e5



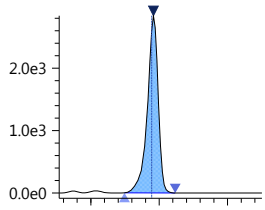
6_2-FTS-13C_IS
Conc 5.0000
RT 4.583 Area 536315

ISTD 428.90>409.00 (-) 2.31e5

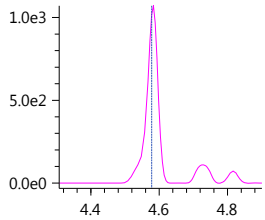


6_2-FTS_1
Conc 0.0470
RT 4.583 Area 6230
R#1 37.90 (0.00)

Q 427.00>407.00 (-) 2.84e3

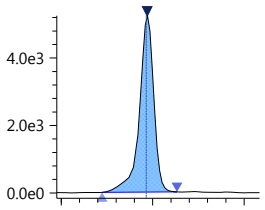


R1 427.00>80.90 (-) 1.07e3

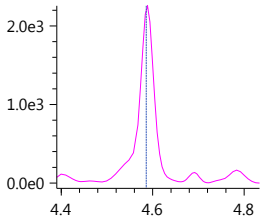


PFHpS_1
Conc 0.0418
RT 4.588 Area 11388
R#1 43.04 (0.00)

Q 449.00>80.15 (-) 5.25e3

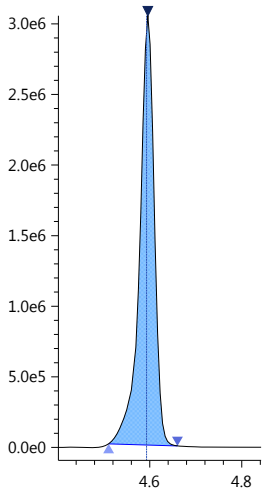


R1 449.00>99.20 (-) 2.26e3



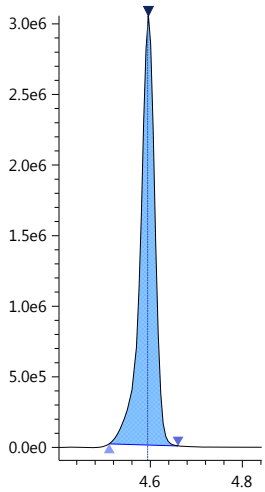
PFOA-13C_IS
Conc 5.0000
RT 4.596 Area 6752001

ISTD 416.80>372.05 (-) 3.06e6



PFOA-13C
Conc 5.4844
RT 4.596 Area 6752001

Q 416.80>372.05 (-) 3.06e6



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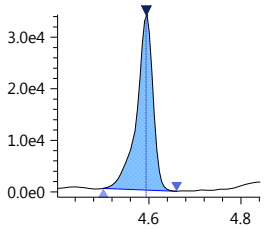
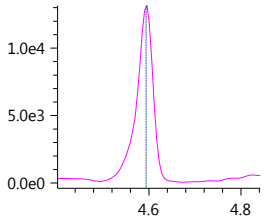
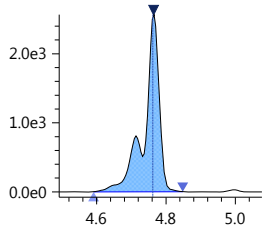
PFOA
Conc 0.0494
RT 4.595 Area 83922
R#1 38.09 (0.00)
Q 413.00>369.00 (-) 3.44e4



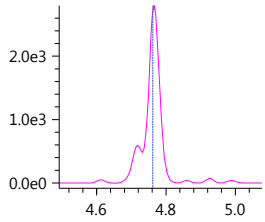
R1 413.00>169.10 (-) 1.31e4



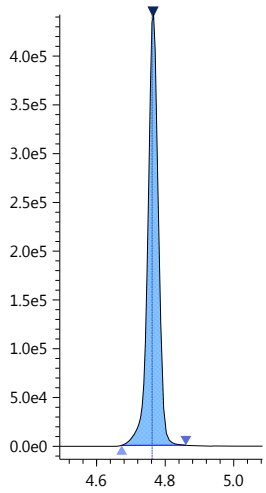
PFOS_1
Conc 0.0491
RT 4.764 Area 7743
R#1 109.78 (0.00)
Q 499.00>80.00 (-) 2.57e3



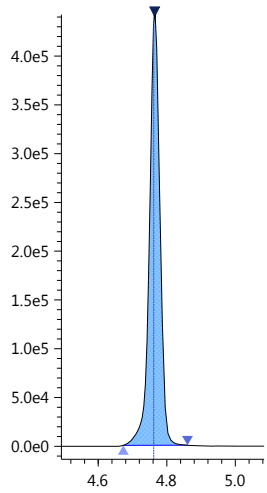
R1 499.00>99.00 (-) 2.80e3



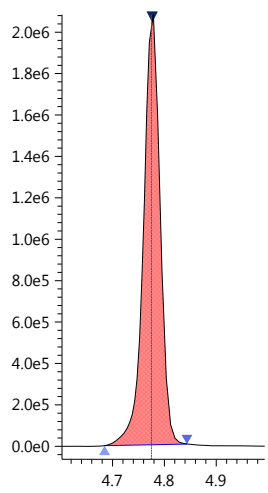
PFOS-13C_IS
Conc 5.0000
RT 4.764 Area 945037
ISTD 502.80>80.05 (-) 4.42e5



PFOS-13C
Conc 5.2291
RT 4.764 Area 945037
Q 502.80>80.05 (-) 4.42e5



PFNA-13C_IS
Conc 5.0000
RT 4.777 Area 4664878
After-BLC
ISTD 467.80>423.00 (-) 2.08e6



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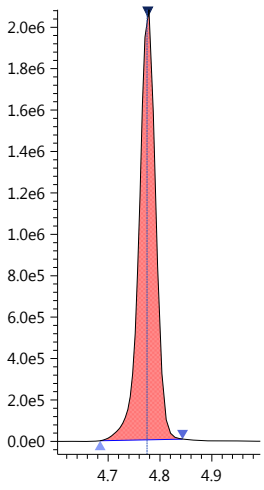
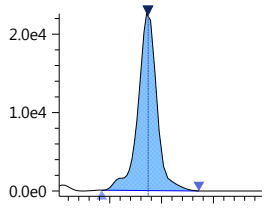
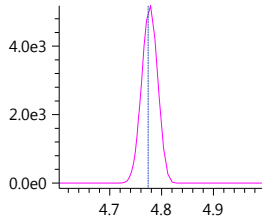
Conc 5.6423
RT 4.777 Area 4664878
After-BLC
Q 467.80>423.00 (-) 2.08e6



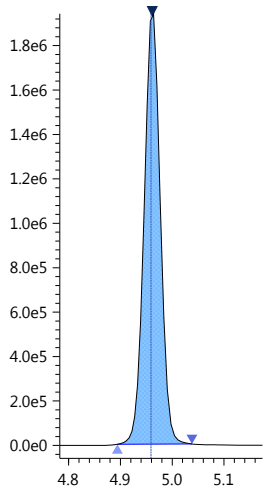
PFNA
Conc 0.0469
RT 4.774 Area 57204
R#1 21.73 (0.00)
Q 463.00>418.90 (-) 2.26e4



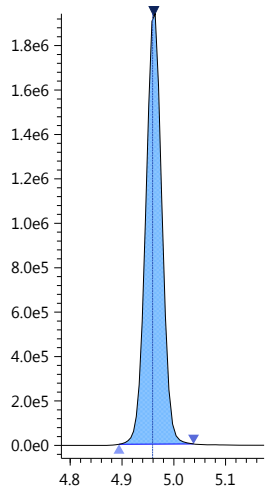
R1 463.00>219.00 (-) 5.18e3



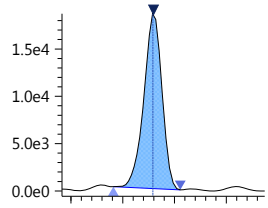
PFDA-13C_IS
Conc 5.0000
RT 4.962 Area 4225883
ISTD 514.80>469.95 (-) 1.94e6



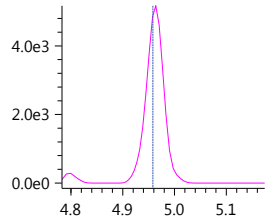
PFDA-13C
Conc 5.4580
RT 4.962 Area 4225883
Q 514.80>469.95 (-) 1.94e6



PFDA
Conc 0.0522
RT 4.959 Area 44949
R#1 28.56 (0.00)
Q 513.00>468.80 (-) 1.87e4



R1 513.00>219.10 (-) 5.17e3



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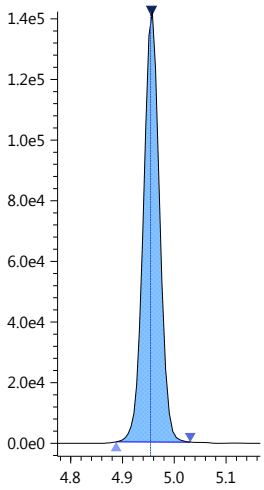
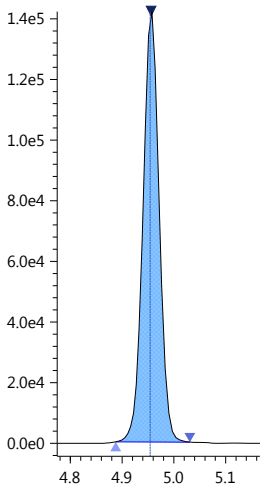
8_2-FTS-13C_IS
Conc 5.0000
RT 4.956 Area 309489

ISTD 528.80>509.00 (-) 1.42e5



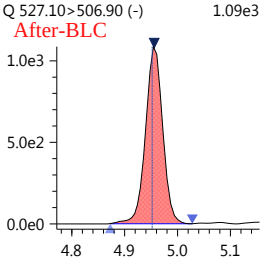
8_2-FTS-13C
Conc 5.4946
RT 4.956 Area 309489

Q 528.80>509.00 (-) 1.42e5

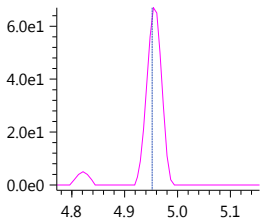


8_2-FTS_1
Conc 0.0519
RT 4.956 Area 2453
R#1 6.27 (0.00)

Q 527.10>506.90 (-) 1.09e3

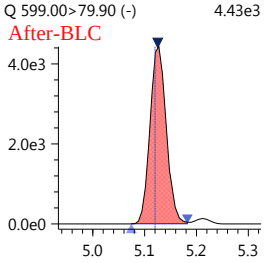


R1 527.20>487.00 (-) 6.70e1

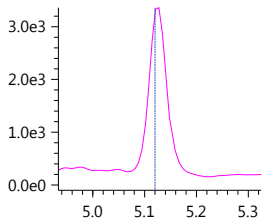


PFDS_1
Conc 0.0570
RT 5.125 Area 9692
R#1 70.19 (0.00)

Q 599.00>79.90 (-) 4.43e3

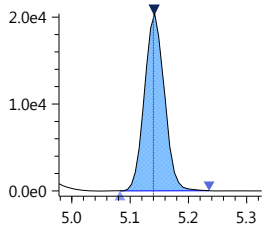


R1 599.00>99.10 (-) 3.36e3

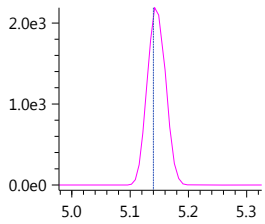


PFUnA
Conc 0.0560
RT 5.141 Area 48557
R#1 11.04 (0.00)

Q 563.00>518.90 (-) 2.04e4

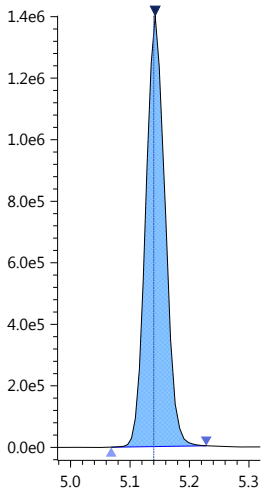


R1 563.00>219.00 (-) 2.19e3



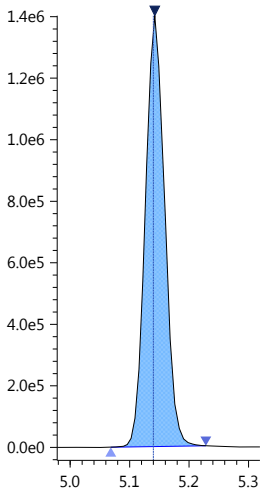
PFUnA-13C_IS
Conc 5.0000
RT 5.142 Area 3171629

ISTD 564.80>519.95 (-) 1.40e6



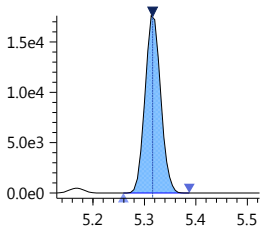
PFUnA-13C
Conc 4.9853
RT 5.142 Area 3171629

Q 564.80>519.95 (-) 1.40e6

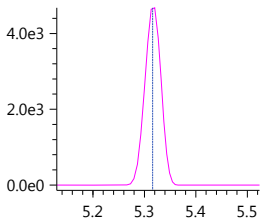


PFDoA
Conc 0.0499
RT 5.316 Area 37619
R#1 26.10 (0.00)

Q 613.05>569.00 (-) 1.76e4

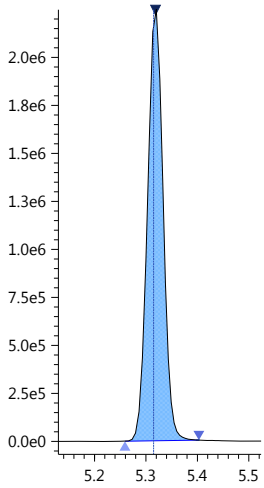


R1 613.05>169.00 (-) 4.68e3



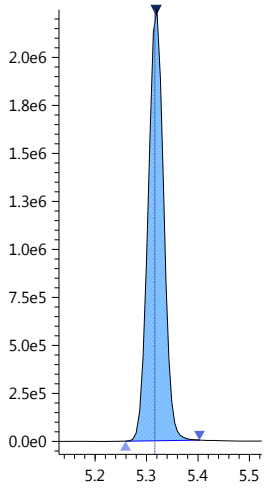
PFDoA-13C
Conc 5.3089
RT 5.318 Area 4750673

Q 614.80>569.95 (-) 2.25e6



PFDoA-13C_IS
Conc 5.0000
RT 5.318 Area 4750673

ISTD 614.80>569.95 (-) 2.25e6



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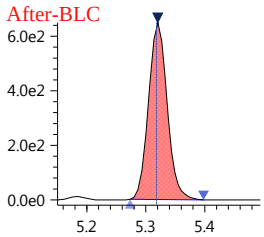
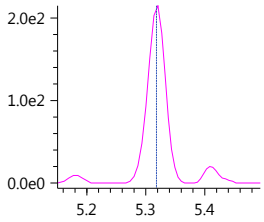
10_2-FtS_1

Conc 0.0433
RT 5.320 Area 1429
R#1 32.99 (0.00)

Q 627.00>606.95 (-) 6.50e2



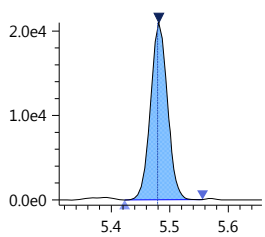
R1 627.00>81.25 (-) 2.15e2



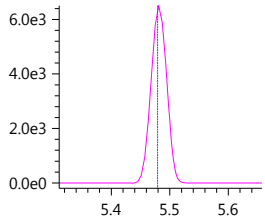
PFTrDA

Conc 0.0526
RT 5.481 Area 42185
R#1 30.86 (0.00)

Q 663.00>618.90 (-) 2.10e4



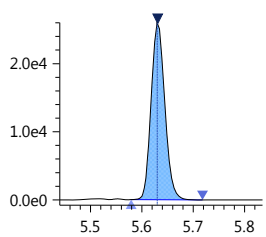
R1 662.90>169.00 (-) 6.50e3



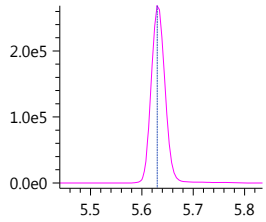
PFTeDA

Conc 0.0500
RT 5.631 Area 48157
R#1 1020.01 (0.00)

Q 713.40>669.00 (-) 2.60e4



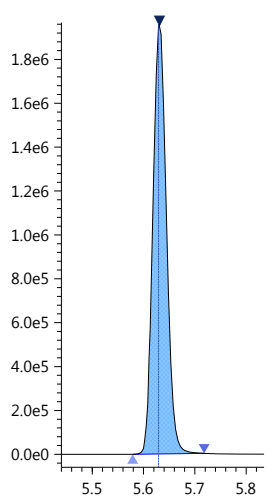
R1 713.40>169.10 (-) 2.69e5



PFTeDA-13C

Conc 5.2655
RT 5.631 Area 3589118

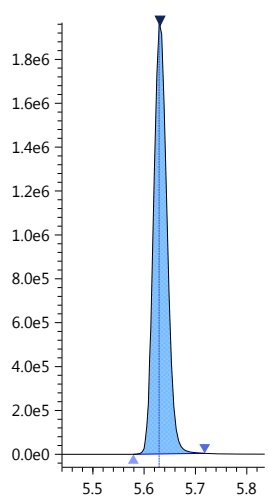
Q 714.70>669.90 (-) 1.97e6



PFTeDA-13C_IS

Conc 5.0000
RT 5.631 Area 3589118

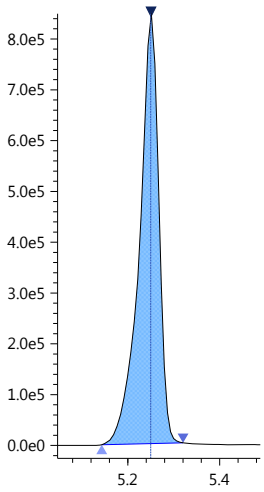
ISTD 714.70>669.90 (-) 1.97e6



FOSA-13C_IS

Conc 5.0000
RT 5.251 Area 2478117

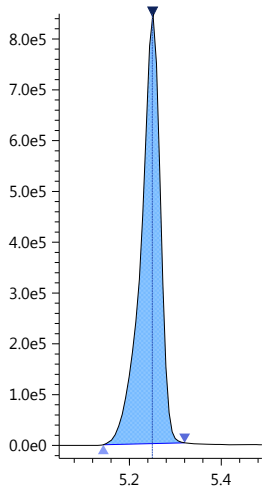
ISTD 506.00>78.05 (-) 8.50e5



FOSA-13C

Conc 5.2245
RT 5.251 Area 2478117

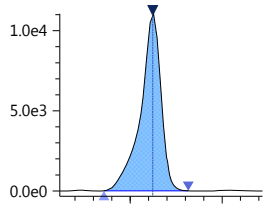
Q 506.00>78.05 (-) 8.50e5



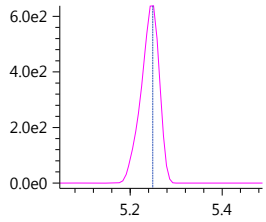
FOSA

Conc 0.0536
RT 5.249 Area 34020
R#1 5.78 (0.00)

Q 498.20>78.00 (-) 1.11e4



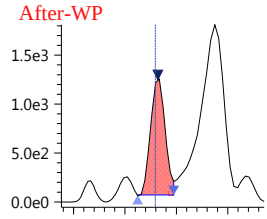
R1 498.20>64.10 (-) 6.38e2



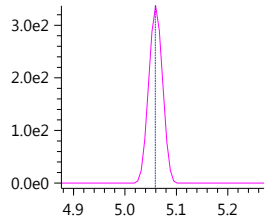
N-MeFOSAA

Conc 0.0375
RT 5.064 Area 2332
R#1 24.90 (0.00)

Q 570.20>419.00 (-) 1.81e3



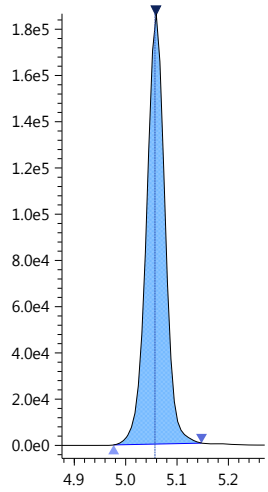
R1 570.20>512.00 (-) 3.37e2



N-MeFOSAA-d3

Conc 4.8890
RT 5.059 Area 468709

Q 572.80>419.05 (-) 1.87e5



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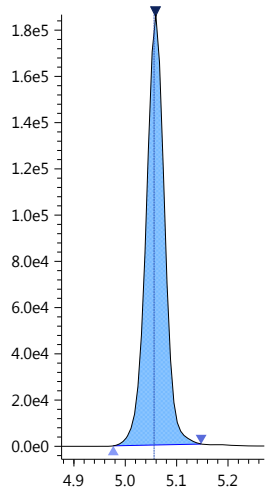
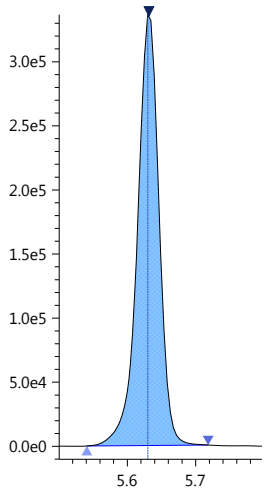
N-MeFOSAA-d3_IS
Conc 5.0000
RT 5.059 Area 468709

ISTD 572.80>419.05 (-) 1.87e5



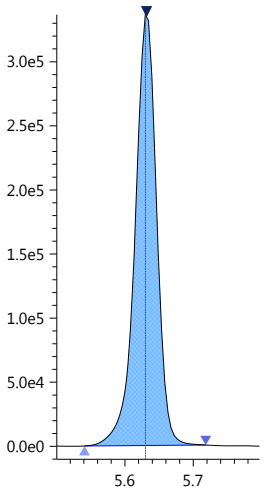
N-MeFOSA-d3_IS
Conc 5.0000
RT 5.632 Area 739272

ISTD 514.90>168.90 (-) 3.37e5



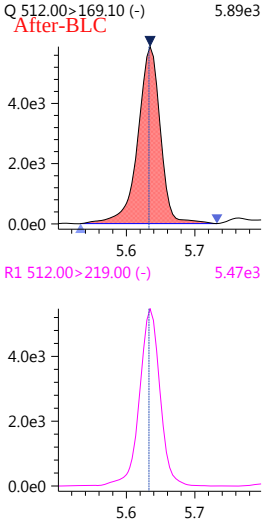
N-MeFOSA-d3
Conc 5.1552
RT 5.632 Area 739272

Q 514.90>168.90 (-) 3.37e5



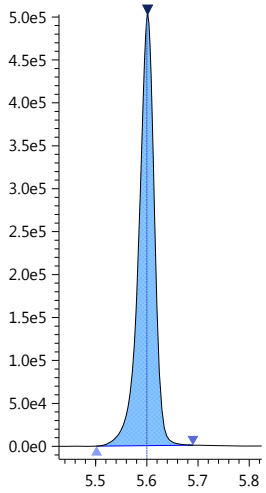
N-MeFOSA
Conc 0.0533
RT 5.635 Area 13423
R#1 93.31 (0.00)

Q 512.00>169.10 (-) 5.89e3



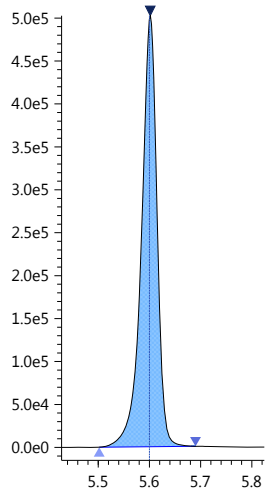
N-MeFOSE-d7
Conc 5.1605
RT 5.601 Area 1065441

Q 622.70>59.10 (-) 5.03e5



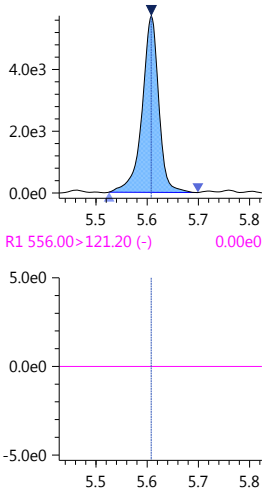
N-MeFOSE-d7_IS
Conc 5.0000
RT 5.601 Area 1065441

ISTD 622.70>59.10 (-) 5.03e5



N-MeFOSE
Conc 0.0504
RT 5.608 Area 12847
R#1 0.00 (0.00)

Q 616.00>59.00 (-) 5.74e3



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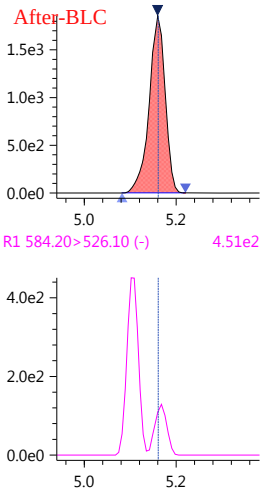
Conc 0.0793
RT 5.160 Area 4485
R#1 5.67 (0.00)

Q 584.20>418.95 (-) 1.86e3



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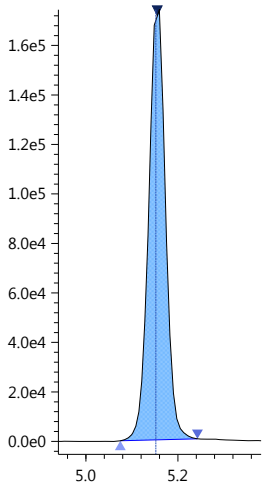
Conc 5.0000
RT 5.155 Area 447797

ISTD 588.80>419.00 (-) 1.74e5



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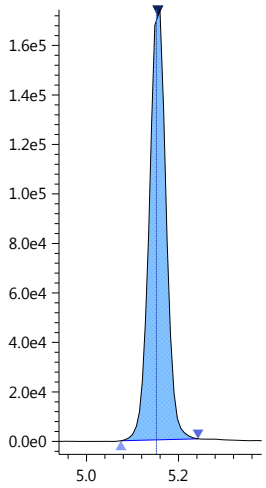
Conc 5.3039
RT 5.155 Area 447797

Q 588.80>419.00 (-) 1.74e5



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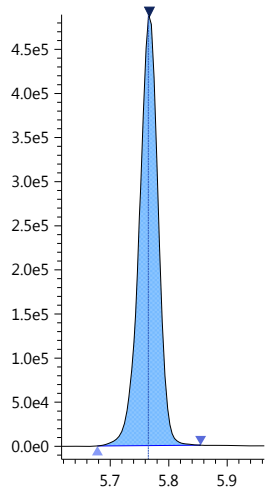
N-EtFOSA-d9_IS

Conc 5.0000
RT 5.767 Area 1105535

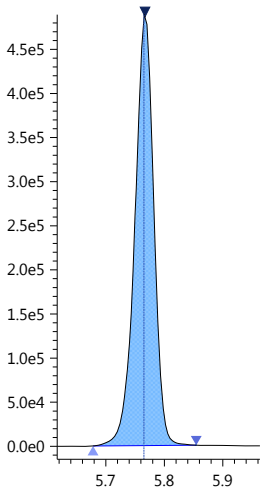
ISTD 530.90>169.15 (-) 4.89e5



N-EtFOSA-d9

Conc 5.1982
RT 5.767 Area 1105535

Q 530.90>169.15 (-) 4.89e5

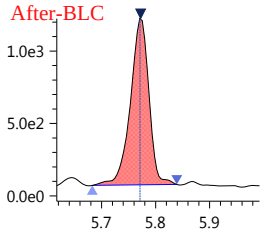


N-EtFOSA

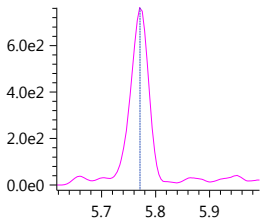
Conc 0.0614
RT 5.772 Area 2737
R#1 65.51 (0.00)

Q 526.90>169.10 (-) 1.22e3

After-BLC



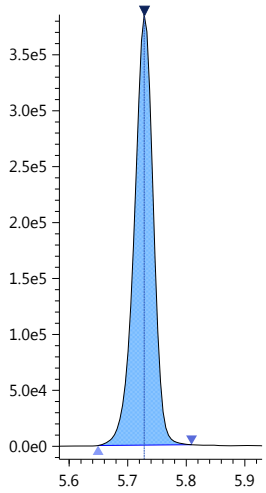
R1 526.90>219.00 (-) 7.63e2



N-EtFOSE-d9_IS

Conc 5.0000
RT 5.729 Area 875616

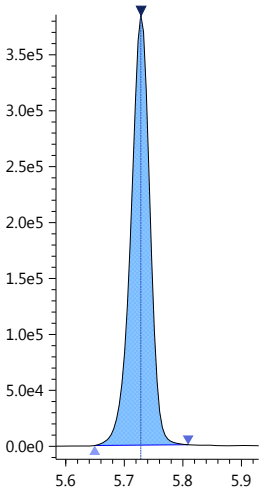
ISTD 638.70>59.10 (-) 3.86e5



N-EtFOSE-d9

Conc 5.1785
RT 5.729 Area 875616

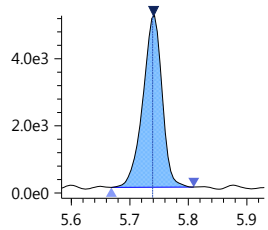
Q 638.70>59.10 (-) 3.86e5



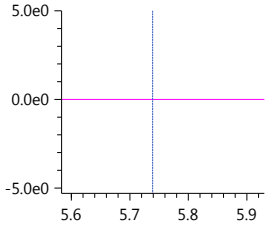
N-EtFOSE

Conc 0.0512
RT 5.741 Area 11718
R#1 0.00 (0.00)

Q 630.00>58.90 (-) 5.28e3



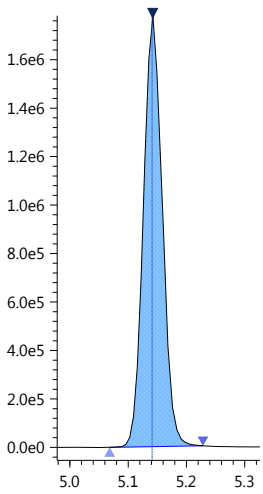
R1 570.00>136.10 (-) 0.00e0



13C7-PFUnDA_IS

Conc 5.0000
RT 5.142 Area 4010610

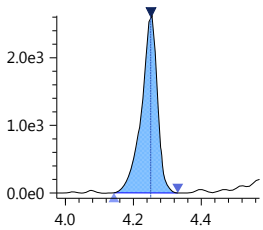
ISTD 570.00>525.00 (-) 1.78e6



PFPeS

Conc 0.0537
RT 4.252 Area 8558
R#1 156.47 (0.00)

Q 349.00>99.00 (-) 2.62e3



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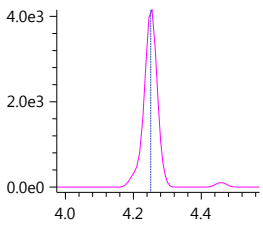

PFNS

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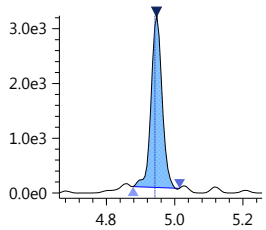

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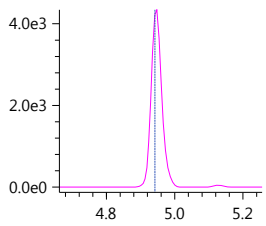

Insight Report

Printed at 6/19/2019 8:39:19 AM

190618_028

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Date acquired: 6/18/2019 3:33:28 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190618_b1\190618_028.lcd
Vial: 28 | Inj. Volume: 15.0000uL | Tray: 1

PFBA-13C_IS
Conc 5.0000
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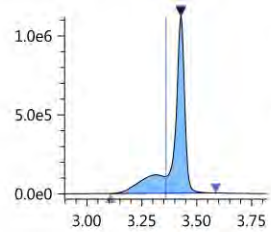
ISTD 216.90>172.15 (-) 1.12e6



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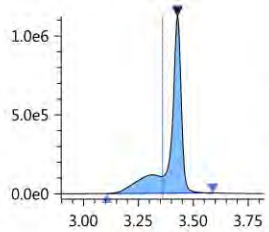

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Conc 0.0547
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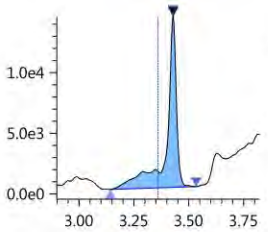

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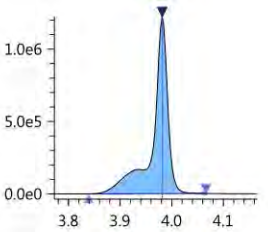
ISTD 267.90>223.00 (-) 1.22e6



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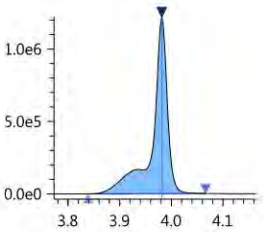

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Conc 0.1091
RT 3.981 Area 202743
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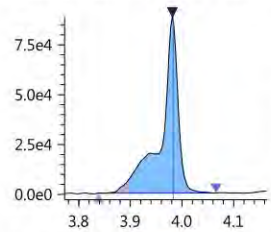

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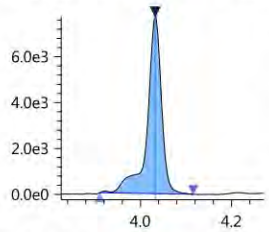
Conc 0.0496
RT 4.032 Area 16841
Q 299.00>80.00 (-) 7.73e3



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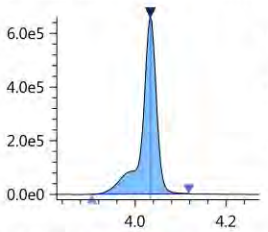
Q 301.80>80.00 (-) 6.60e5



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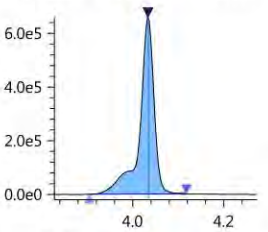

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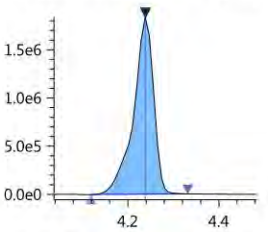

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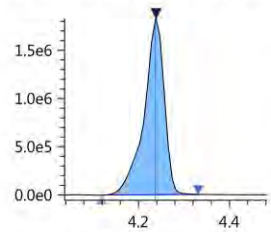

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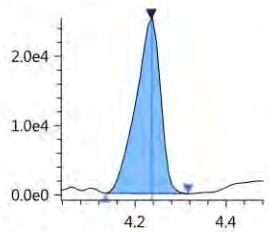
Q 313.00>269.00 (-) 2.56e4



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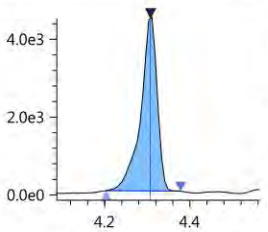
Q 329.00>169.00 (-) 4.56e3



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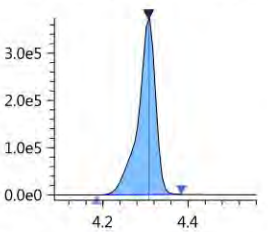
ISTD 332.00>286.80 (-) 3.75e5



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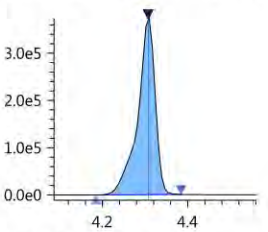

4_2-FTS-13C_IS
Conc 5.0000
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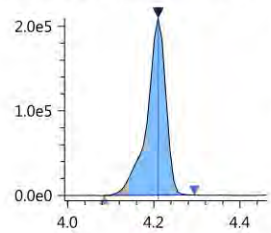
ISTD 328.80>309.05 (-) 2.10e5



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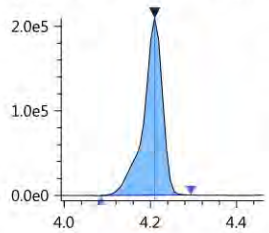

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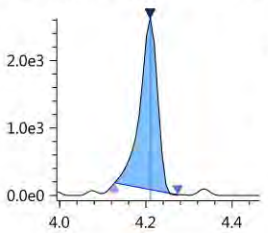

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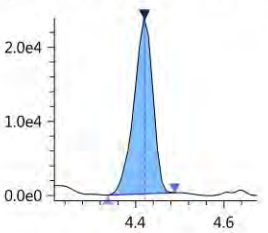

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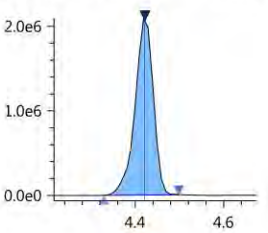
ISTD 366.90>322.10 (-) 2.10e6



Insight Report

Printed at 6/19/2019 8:39:19 AM

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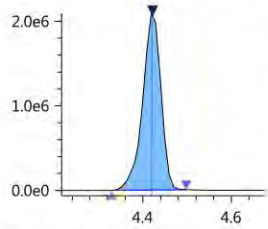

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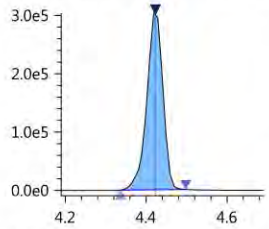

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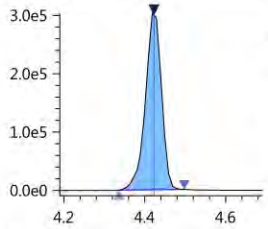

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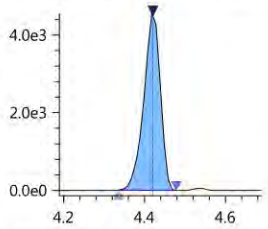

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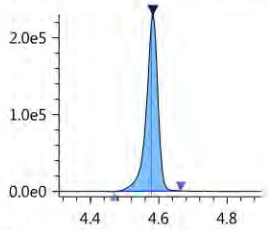
Q 428.90>409.00 (-) 2.31e5



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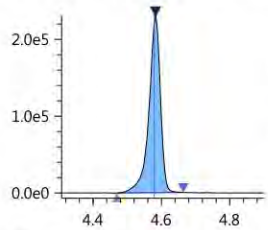

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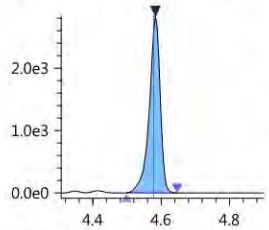

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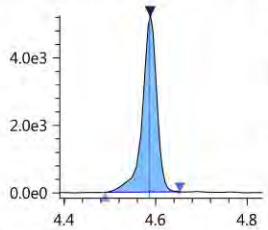

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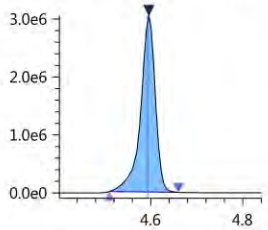

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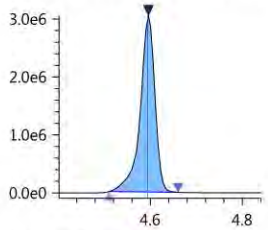

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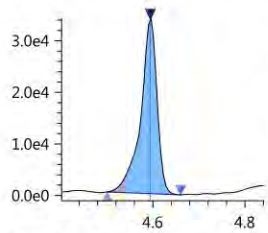

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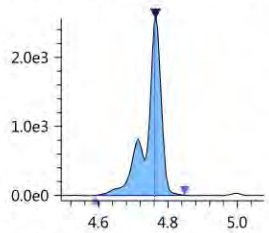

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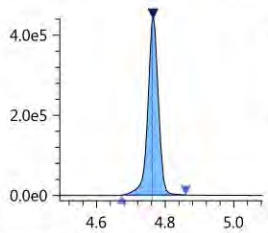

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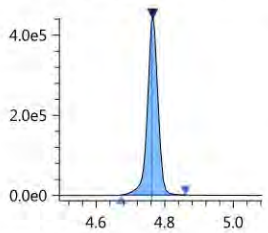

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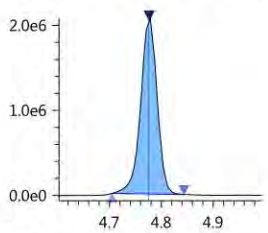

PFNA-13C
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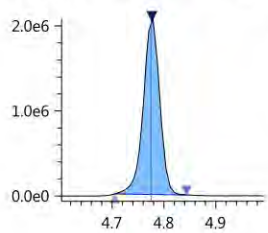

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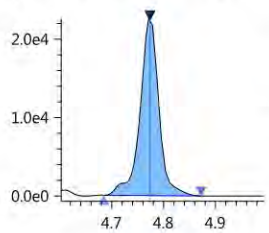
Q 463.00>418.90 (-) 2.26e4



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Conc 5.0000
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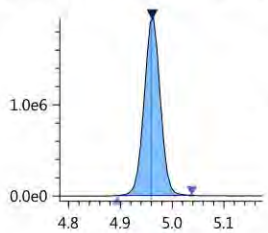
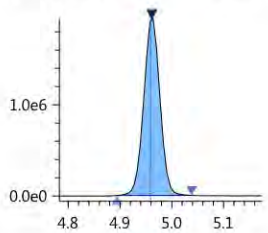
ISTD 514.80>469.95 (-) 1.94e6



PFDA-13C
Conc 5.4580
RT 4.962 Area 4225883
Q 514.80>469.95 (-) 1.94e6



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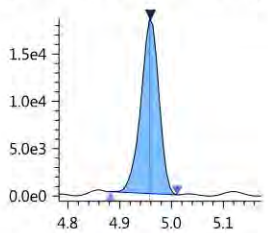
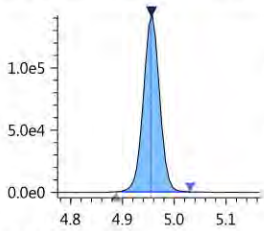
Q 513.00>468.80 (-) 1.87e4



Insight Report

Printed at 6/19/2019 8:39:19 AM

8_2-FTS-13C_IS
Conc 5.0000
RT 4.956 Area 309489
ISTD 528.80>509.00 (-) 1.42e5



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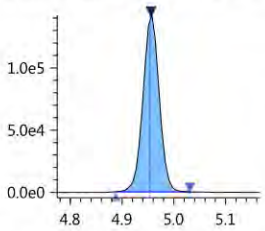

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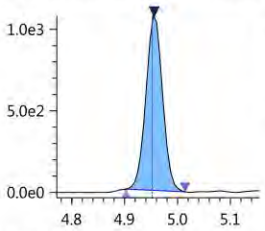

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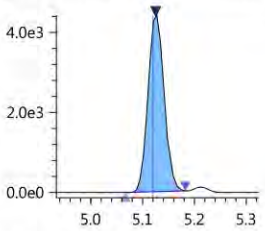

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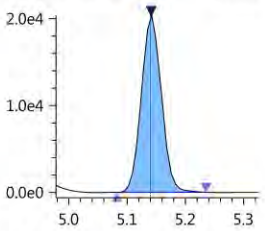

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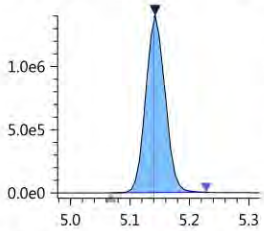

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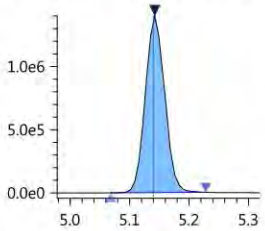

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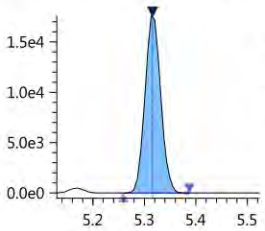

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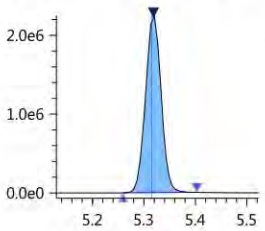

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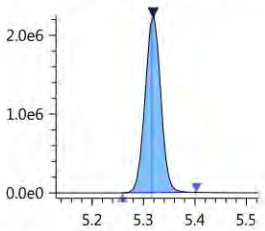

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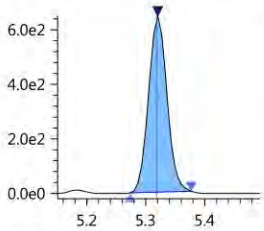

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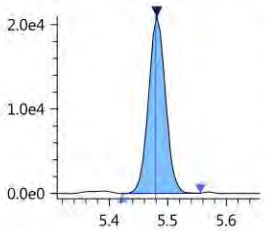

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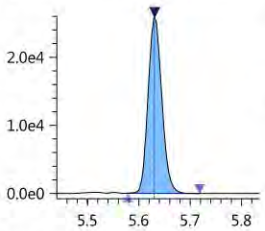
Q 713.40>669.00 (-) 2.60e4



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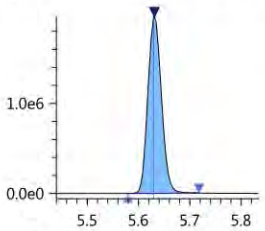

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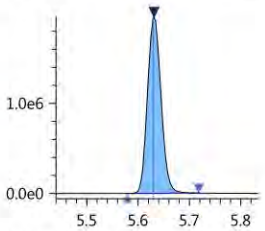

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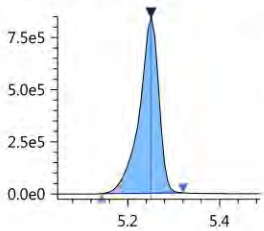

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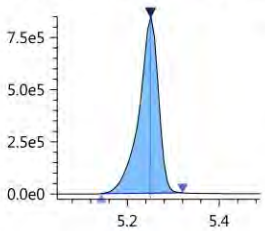

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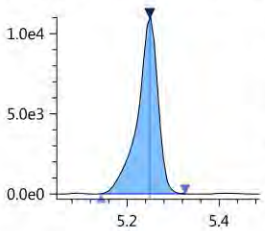

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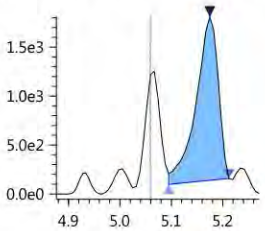

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Conc 4.8890
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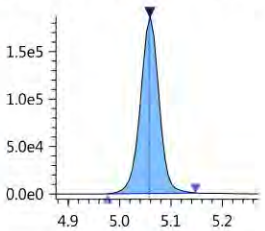

Insight Report

Printed at 6/19/2019 8:39:19 AM

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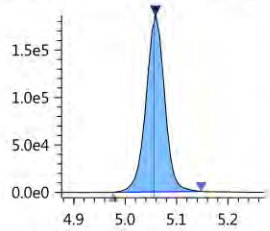

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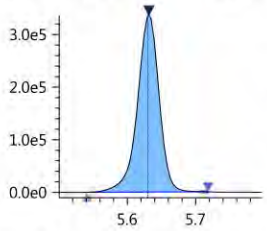

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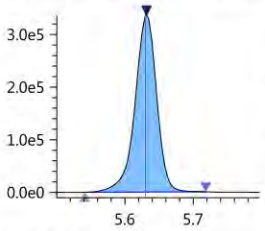

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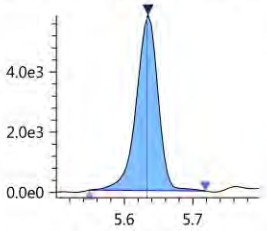

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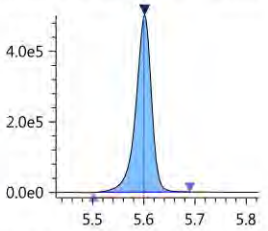
Q 622.70>59.10 (-) 5.03e5



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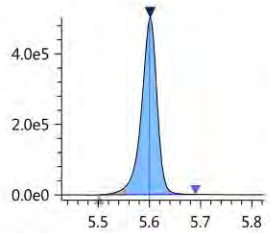

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RT 5.608 Area 12847
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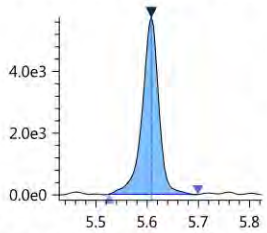

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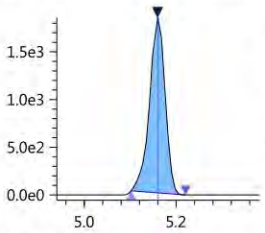

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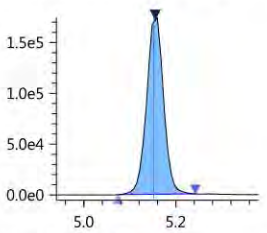

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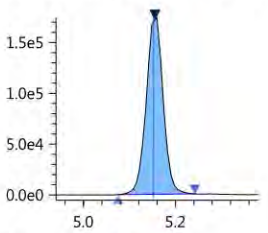

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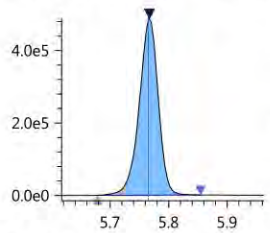

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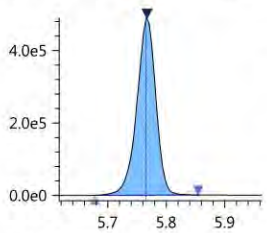

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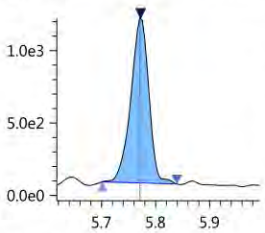
Q 526.90>169.10 (-) 1.22e3



N-EtFOSE-d9_IS
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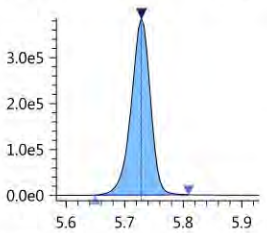

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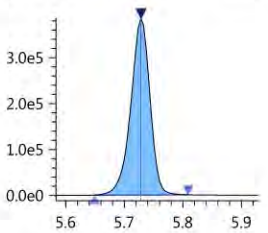
Q 638.70>59.10 (-) 3.86e5



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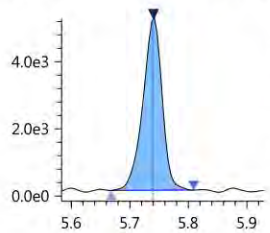

13C7-PFUnDA_IS
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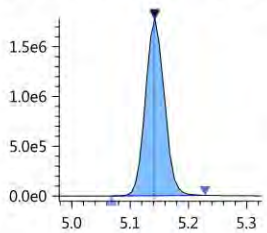
ISTD 570.00>525.00 (-) 1.78e6



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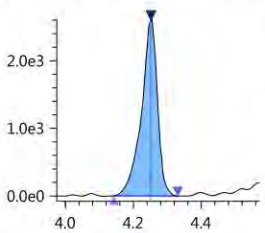
RT 4.252 Area 8558
Q 349.00>99.00 (-) 2.62e3



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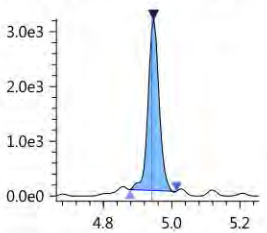

Insight Report

Printed at 6/19/2019 1:07:21 PM

190618_029

Sample ID: 0.10 PPB ICAL
Date acquired: 6/18/2019 3:43:56 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190618_b1\190618_029.lcd
Vial: 29 | Inj. Volume: 15.0000uL | Tray: 1

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
PFBA-13C_IS	Auto	3.434	4049707	4049707	2	5.0000	ng/mL	5.0000
PFBA-13C	Auto	3.434	4049707	4299744	26	4.9338	ng/mL	5.0000
PFBA	Auto	3.435	83912	4049707	2	0.1015	ng/mL	0.1000
PFPeA-13C_IS	Auto	3.987	2469038	2469038	4	5.0000	ng/mL	5.0000
PFPeA-13C	Auto	3.987	2469038	4299744	26	4.9640	ng/mL	5.0000
PFPeA	Auto	3.988	261682	2469038	4	0.0987	ng/mL	0.1000
PFBS_1	Auto	4.039	30693	1445302	16	0.0905	ng/mL	0.0887
PFBS-13C	Auto	4.040	1445302	4299744	26	4.8150	ng/mL	5.0000
PFBS-13C_IS	Auto	4.040	1445302	1445302	16	5.0000	ng/mL	5.0000
PFHxA-13C_IS	Auto	4.244	5772963	5772963	6	5.0000	ng/mL	5.0000
PFHxA-13C	Auto	4.244	5772963	4299744	26	5.1487	ng/mL	5.0000
PFHxA	Auto	4.241	173702	5772963	6	0.1060	ng/mL	0.1000
HPFO_DA	Auto	4.314	25114	1127588	3	0.1018	ng/mL	0.1000
HFPO_DA-13C_IS	Auto	4.313	1127588	1127588	3	5.0000	ng/mL	5.0000
HFPO_DA-13C	Auto	4.313	1127588	4299744	26	4.9989	ng/mL	5.0000
4_2-FTS-13C_IS	Auto	4.215	717810	717810	5	5.0000	ng/mL	5.0000
4_2-FTS-13C	Auto	4.215	717810	4299744	26	5.1405	ng/mL	5.0000
4_2-FTS_1	Auto	4.215	16974	717810	5	0.1050	ng/mL	0.0937
PFHpA	Auto	4.424	107407	4745829	8	0.1043	ng/mL	0.1000
PFHpA-13C_IS	Auto	4.427	4745829	4745829	8	5.0000	ng/mL	5.0000
PFHpA-13C	Auto	4.427	4745829	4299744	26	4.3636	ng/mL	5.0000
PFHxS-18O_IS	Auto	4.429	633200	633200	7	5.0000	ng/mL	5.0000
PFHxS-18O	Auto	4.429	633200	4299744	26	4.1022	ng/mL	5.0000
PFHxS_1	Auto	4.425	23697	633200	7	0.0932	ng/mL	0.0913
6_2-FTS-13C	Auto	4.588	506362	4299744	26	4.6586	ng/mL	5.0000
6_2-FTS-13C_IS	Auto	4.588	506362	506362	10	5.0000	ng/mL	5.0000
6_2-FTS_1	Auto	4.588	14550	506362	10	0.1164	ng/mL	0.0951
PFHpS_1	Auto	4.594	22690	633200	7	0.1105	ng/mL	0.0953
PFOA-13C_IS	Auto	4.601	6741387	6741387	9	5.0000	ng/mL	5.0000
PFOA-13C	Auto	4.601	6741387	4299744	26	5.1076	ng/mL	5.0000
PFOA	Auto	4.602	148698	6741387	9	0.1025	ng/mL	0.1000
PFOS_1	Auto	4.770	14094	876333	13	0.0964	ng/mL	0.0929
PFOS-13C_IS	Auto	4.770	876333	876333	13	5.0000	ng/mL	5.0000
PFOS-13C	Auto	4.770	876333	4299744	26	4.5229	ng/mL	5.0000
PFNA-13C_IS	Auto	4.781	4327347	4327347	11	5.0000	ng/mL	5.0000
PFNA-13C	Auto	4.781	4327347	4299744	26	4.8821	ng/mL	5.0000
PFNA	Auto	4.781	100627	4327347	11	0.1084	ng/mL	0.1000
PFDA-13C_IS	Auto	4.967	4319716	4319716	12	5.0000	ng/mL	5.0000
PFDA-13C	Auto	4.967	4319716	4299744	26	5.2040	ng/mL	5.0000
PFDA	Auto	4.966	89467	4319716	12	0.1017	ng/mL	0.1000
8_2-FTS-13C_IS	Auto	4.962	285945	285945	15	5.0000	ng/mL	5.0000
8_2-FTS-13C	Auto	4.962	285945	4299744	26	4.7353	ng/mL	5.0000
8_2-FTS_1	Auto	4.960	4217	285945	15	0.0966	ng/mL	0.0960
PFDS_1	M	5.131	17353	876333	13	0.1102	ng/mL	0.0965
PFUnA	Auto	5.147	71042	3422392	14	0.0877	ng/mL	0.1000
PFUnA-13C_IS	Auto	5.148	3422392	3422392	14	5.0000	ng/mL	5.0000
PFUnA-13C	Auto	5.148	3422392	4299744	26	5.0178	ng/mL	5.0000
PFDoA	Auto	5.324	71254	4984063	17	0.1019	ng/mL	0.1000
PFDoA-13C	Auto	5.324	4984063	4299744	26	5.1952	ng/mL	5.0000
PFDoA-13C_IS	Auto	5.324	4984063	4984063	17	5.0000	ng/mL	5.0000
10_2-FtS_1	Auto	5.326	3203	285945	15	0.1052	ng/mL	0.0966
PFTrDA	Auto	5.486	87973	3770980	22	0.1128	ng/mL	0.1000
PFTeDA	Auto	5.634	63332	3770980	22	0.0997	ng/mL	0.1000
PFTeDA-13C	Auto	5.634	3770980	4299744	26	5.1603	ng/mL	5.0000
PFTeDA-13C_IS	Auto	5.634	3770980	3770980	22	5.0000	ng/mL	5.0000
FOSA-13C_IS	Auto	5.256	2487321	2487321	18	5.0000	ng/mL	5.0000
FOSA-13C	Auto	5.256	2487321	4299744	26	4.8912	ng/mL	5.0000
FOSA	Auto	5.256	69291	2487321	18	0.1089	ng/mL	0.1000
N-MeFOSAA	M	5.066	6533	500556	19	0.0983	ng/mL	0.1000
N-MeFOSAA-d3	Auto	5.064	500556	4299744	26	4.8700	ng/mL	5.0000
N-MeFOSAA-d3_IS	Auto	5.064	500556	500556	19	5.0000	ng/mL	5.0000
N-MeFOSA-d3_IS	Auto	5.636	769989	769989	1	5.0000	ng/mL	5.0000
N-MeFOSA-d3	Auto	5.636	769989	4299744	26	5.0084	ng/mL	5.0000
N-MeFOSA	Auto	5.638	28046	769989	1	0.1068	ng/mL	0.1000
N-MeFOSE-d7	Auto	5.606	1065836	4299744	26	4.8153	ng/mL	5.0000
N-MeFOSE-d7_IS	Auto	5.606	1065836	1065836	20	5.0000	ng/mL	5.0000
N-MeFOSE	Auto	5.613	26373	1065836	20	0.1035	ng/mL	0.1000
N-EtFOSAA	M	5.161	5872	450455	21	0.1032	ng/mL	0.1000

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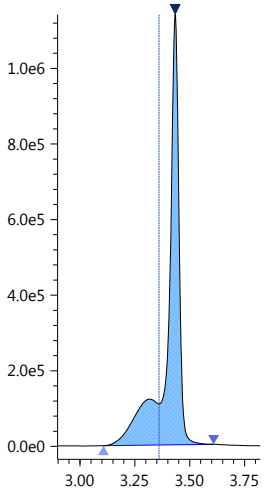
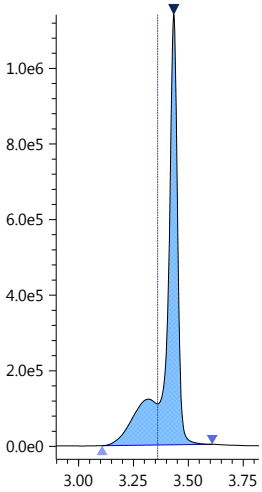
(Table continued from previous page)

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
N-EtFOSAA-d5_IS	Auto	5.159	450455	450455	21	5.0000	ng/mL	5.0000
N-EtFOSAA-d5	Auto	5.159	450455	4299744	26	4.9766	ng/mL	5.0000
N-EtFOSA-d9_IS	Auto	5.771	1093271	1093271	23	5.0000	ng/mL	5.0000
N-EtFOSA-d9	Auto	5.771	1093271	4299744	26	4.7949	ng/mL	5.0000
N-EtFOSA	Auto	5.776	4435	1093271	23	0.1006	ng/mL	0.1000
N-EtFOSE-d9_IS	Auto	5.733	856188	856188	24	5.0000	ng/mL	5.0000
N-EtFOSE-d9	Auto	5.733	856188	4299744	26	4.7231	ng/mL	5.0000
N-EtFOSE	Auto	5.744	23645	856188	24	0.1056	ng/mL	0.1000
13C7-PFUnDA_IS	Auto	5.147	4299744	4299744	26	5.0000	ng/mL	5.0000
PFPeS	Auto	4.259	18945	1445302	16	0.1192	ng/mL	0.0941
PFNS	M	4.951	15609	876333	13	0.1195	ng/mL	0.0962

PFBA-13C_IS
Conc 5.0000
RT 3.434 Area 4049707
ISTD 216.90>172.15 (-) 1.14e6



PFBA-13C
Conc 4.9338
RT 3.434 Area 4049707
Q 216.90>172.15 (-) 1.14e6



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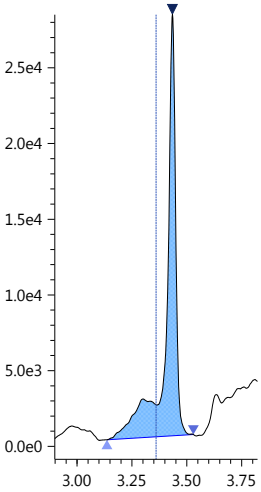
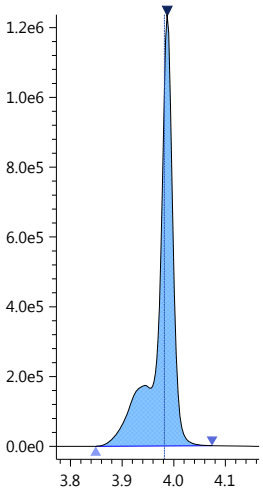
Conc 0.1015
RT 3.435 Area 83912
Q 213.00>169.10 (-) 2.85e4



PFPeA-13C_IS
Conc 5.0000
RT 3.987 Area 2469038
ISTD 267.90>223.00 (-) 1.24e6



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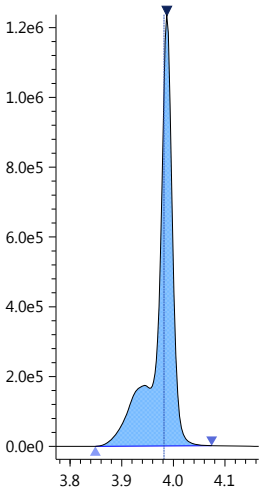
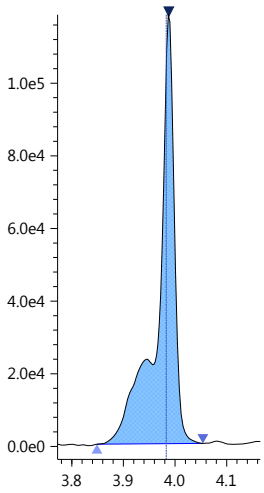
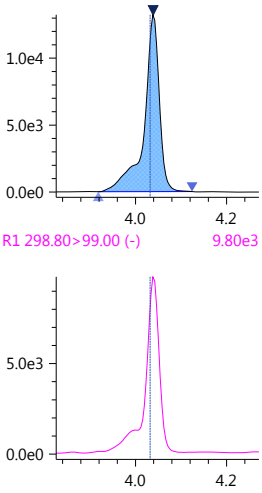
Conc 4.9640
RT 3.987 Area 2469038
Q 267.90>223.00 (-) 1.24e6



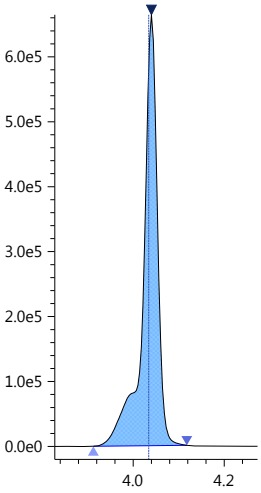
PFPeA
Conc 0.0987
RT 3.988 Area 261682
Q 263.05>219.10 (-) 1.19e5



PFBS_1
Conc 0.0905
RT 4.039 Area 30693
R#1 74.60 (0.00)
Q 299.00>80.00 (-) 1.32e4



PFBS-13C
Conc 4.8150
RT 4.040 Area 1445302
Q 301.80>80.00 (-) 6.65e5



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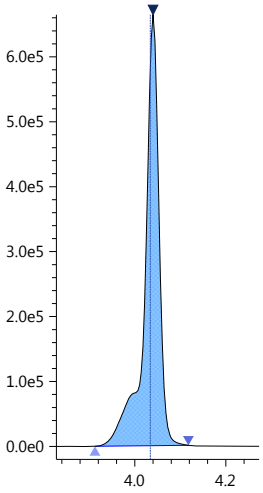
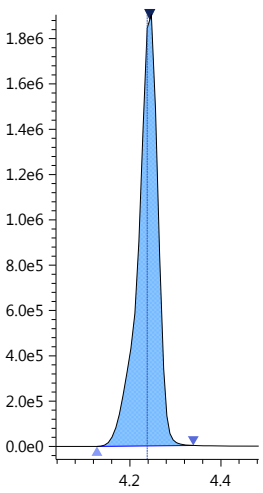
Conc 5.0000
RT 4.040 Area 1445302
ISTD 301.80>80.00 (-) 6.65e5



PFHxA-13C_IS
Conc 5.0000
RT 4.244 Area 5772963
ISTD 314.90>270.10 (-) 1.91e6



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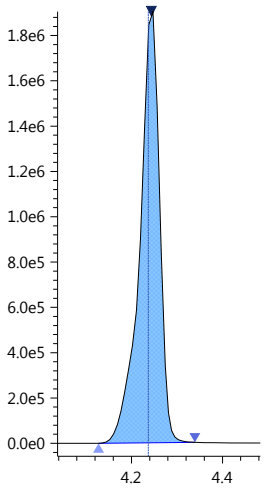
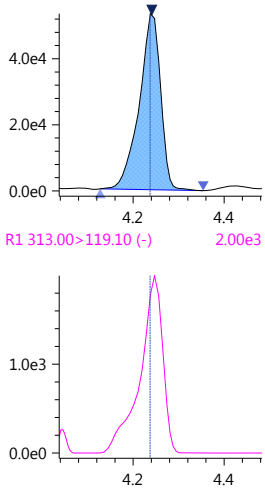
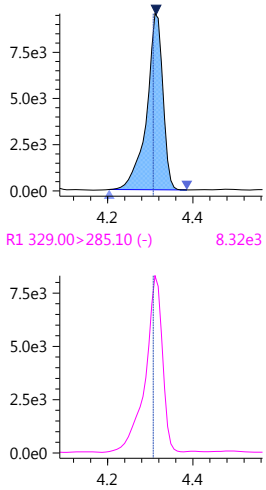
PFHxA-13C
Conc 5.1487
RT 4.244 Area 5772963
Q 314.90>270.10 (-) 1.91e6



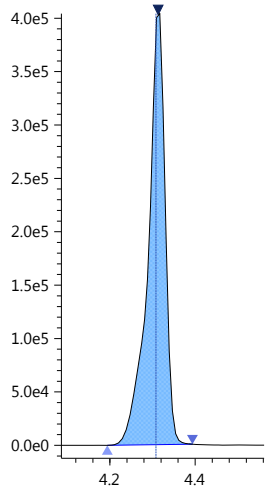
PFHxA
Conc 0.1060
RT 4.241 Area 173702
R#1 3.37 (0.00)
Q 313.00>269.00 (-) 5.37e4



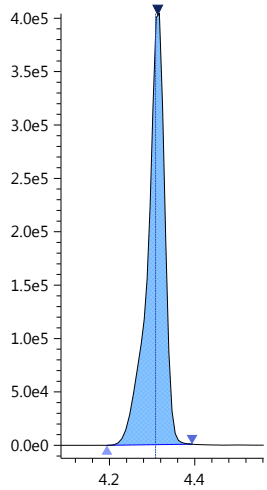
HPFO_DA
Conc 0.1018
RT 4.314 Area 25114
R#1 86.66 (0.00)
Q 329.00>169.00 (-) 9.59e3



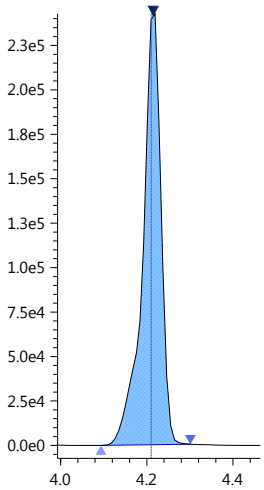
HFPO_DA-13C_IS
Conc 5.0000
RT 4.313 Area 1127588
ISTD 332.00>286.80 (-) 4.04e5



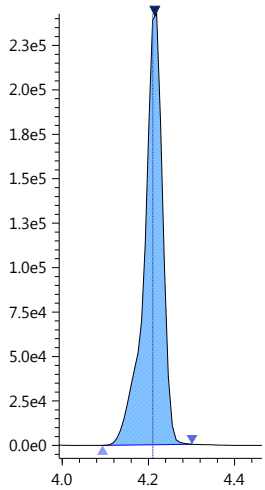
HFPO_DA-13C
Conc 4.9989
RT 4.313 Area 1127588
Q 332.00>286.80 (-) 4.04e5



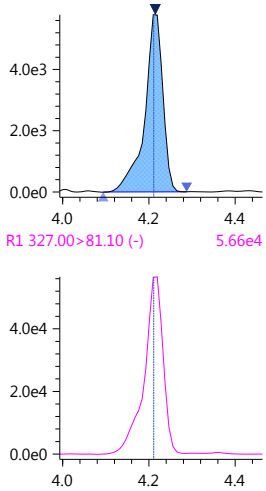
4_2-FTS-13C_IS
Conc 5.0000
RT 4.215 Area 717810
ISTD 328.80>309.05 (-) 2.43e5



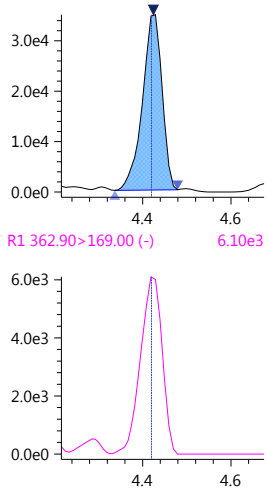
4_2-FTS-13C
Conc 5.1405
RT 4.215 Area 717810
Q 328.80>309.05 (-) 2.43e5



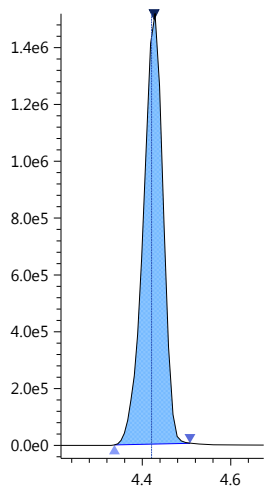
4_2-FTS_1
Conc 0.1050
RT 4.215 Area 16974
R#1 973.74 (0.00)
Q 327.00>307.05 (-) 5.79e3



PFHpA
Conc 0.1043
RT 4.424 Area 107407
R#1 17.35 (0.00)
Q 362.90>319.00 (-) 3.52e4



PFHpA-13C_IS
Conc 5.0000
RT 4.427 Area 4745829
ISTD 366.90>322.10 (-) 1.52e6



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PFHpA-13C
Conc 4.3636
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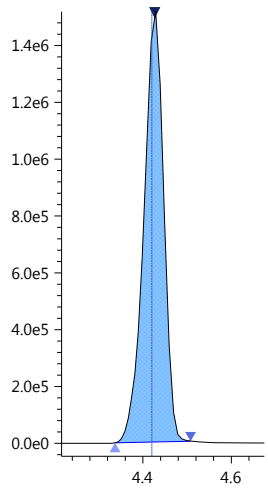
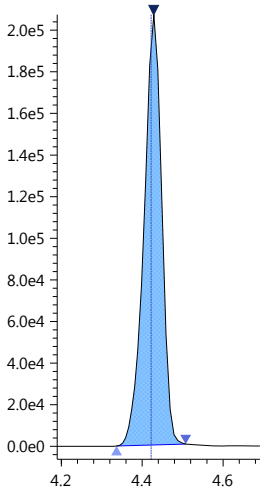
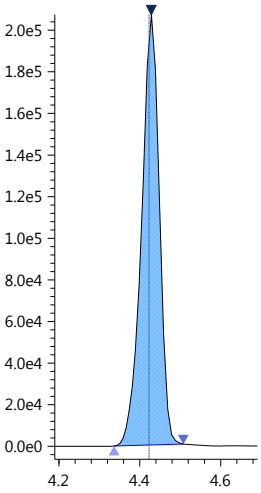
Q 366.90>322.10 (-) 1.52e6



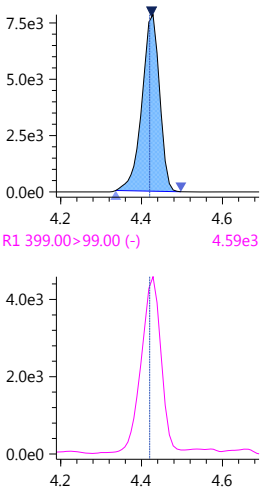
PFHxS-18O_IS
Conc 5.0000
RT 4.429 Area 633200
ISTD 402.70>84.05 (-) 2.07e5



PFHxS-18O
Conc 4.1022
RT 4.429 Area 633200
Q 402.70>84.05 (-) 2.07e5

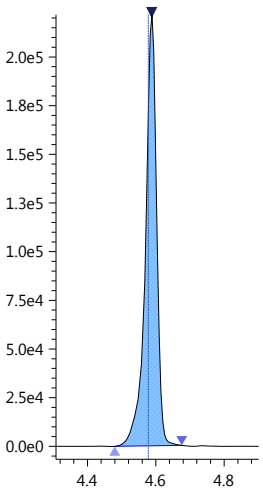


PFHxS_1
Conc 0.0932
RT 4.425 Area 23697
R#1 57.86 (0.00)
Q 399.00>80.00 (-) 7.87e3

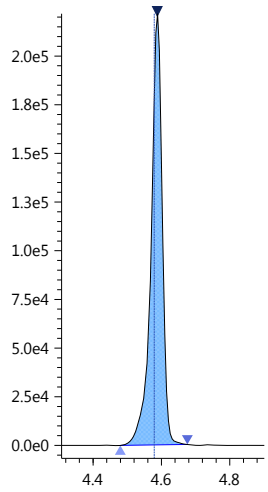


R1 399.00>99.00 (-) 4.59e3

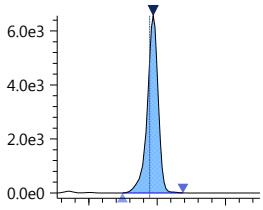
6_2-FTS-13C
Conc 4.6586
RT 4.588 Area 506362
Q 428.90>409.00 (-) 2.22e5



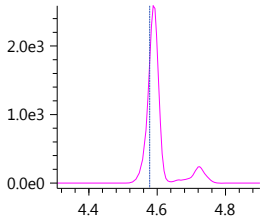
6_2-FTS-13C_IS
Conc 5.0000
RT 4.588 Area 506362
ISTD 428.90>409.00 (-) 2.22e5



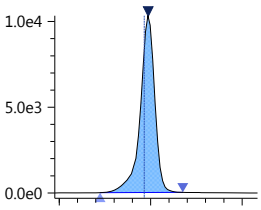
6_2-FTS_1
Conc 0.1164
RT 4.588 Area 14550
R#1 39.01 (0.00)
Q 427.00>407.00 (-) 6.56e3



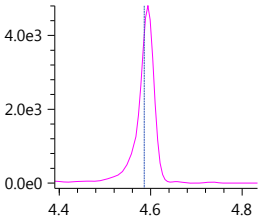
R1 427.00>80.90 (-) 2.59e3



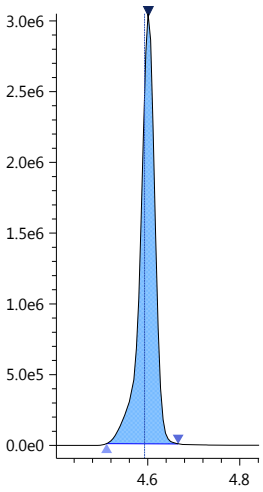
PFHpS_1
Conc 0.1105
RT 4.594 Area 22690
R#1 46.44 (0.00)
Q 449.00>80.15 (-) 1.03e4



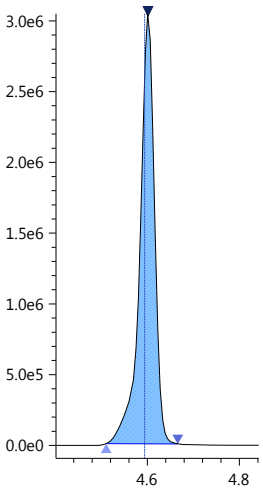
R1 449.00>99.20 (-) 4.80e3



PFOA-13C_IS
Conc 5.0000
RT 4.601 Area 6741387
ISTD 416.80>372.05 (-) 3.05e6



PFOA-13C
Conc 5.1076
RT 4.601 Area 6741387
Q 416.80>372.05 (-) 3.05e6



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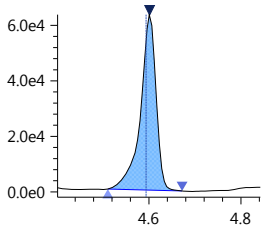
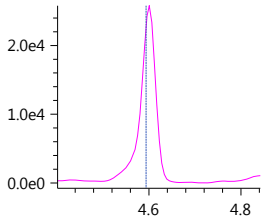
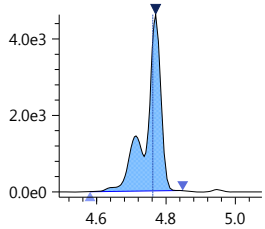
PFOA
Conc 0.1025
RT 4.602 Area 148698
R#1 40.64 (0.00)
Q 413.00>369.00 (-) 6.39e4



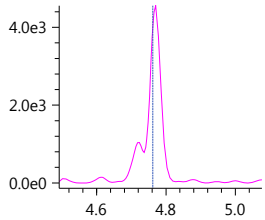
R1 413.00>169.10 (-) 2.58e4



PFOS_1
Conc 0.0964
RT 4.770 Area 14094
R#1 97.12 (0.00)
Q 499.00>80.00 (-) 4.64e3



R1 499.00>99.00 (-) 4.56e3



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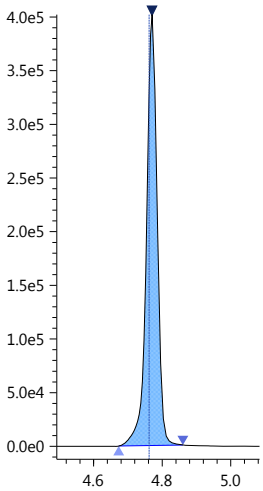
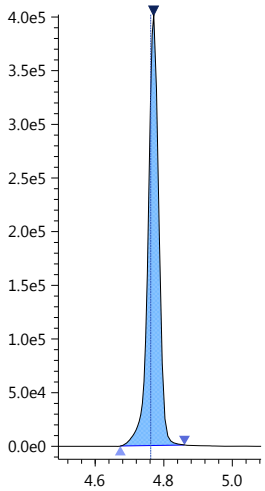
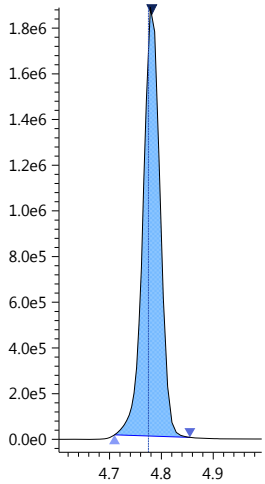
Conc 5.0000
RT 4.770 Area 876333
ISTD 502.80>80.05 (-) 4.02e5



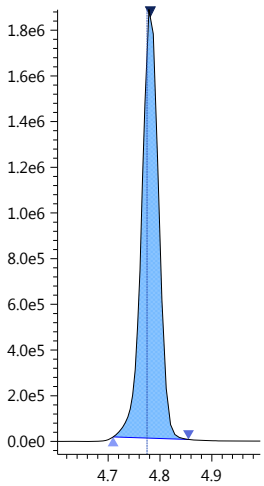
PFOS-13C
Conc 4.5229
RT 4.770 Area 876333
Q 502.80>80.05 (-) 4.02e5



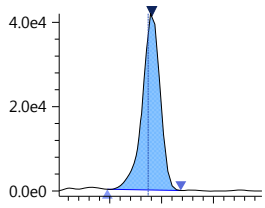
PFNA-13C_IS
Conc 5.0000
RT 4.781 Area 4327347
ISTD 467.80>423.00 (-) 1.89e6



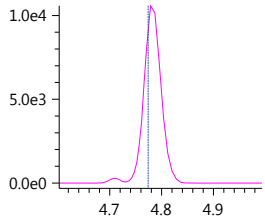
PFNA-13C
Conc 4.8821
RT 4.781 Area 4327347
Q 467.80>423.00 (-) 1.89e6



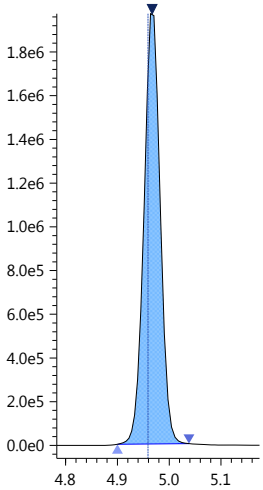
PFNA
Conc 0.1084
RT 4.781 Area 100627
R#1 25.24 (0.00)
Q 463.00>418.90 (-) 4.20e4



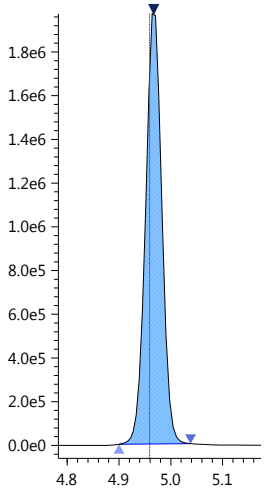
R1 463.00>219.00 (-) 1.06e4



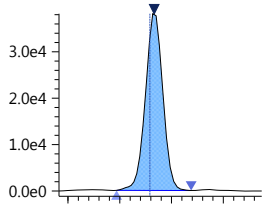
PFDA-13C_IS
Conc 5.0000
RT 4.967 Area 4319716
ISTD 514.80>469.95 (-) 1.97e6



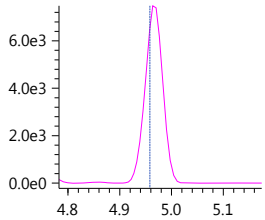
PFDA-13C
Conc 5.2040
RT 4.967 Area 4319716
Q 514.80>469.95 (-) 1.97e6



PFDA
Conc 0.1017
RT 4.966 Area 89467
R#1 19.60 (0.00)
Q 513.00>468.80 (-) 3.82e4



R1 513.00>219.10 (-) 7.48e3



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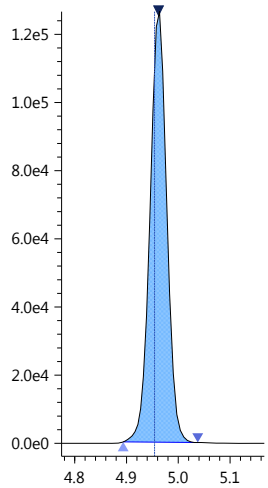
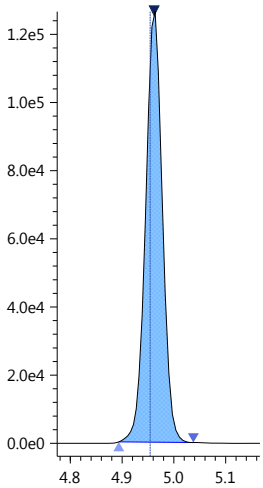
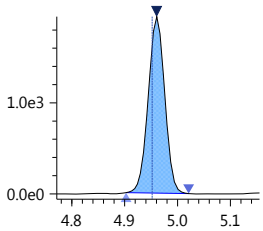
8_2-FTS-13C_IS
Conc 5.0000
RT 4.962 Area 285945
ISTD 528.80>509.00 (-) 1.27e5



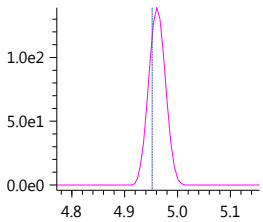
8_2-FTS-13C
Conc 4.7353
RT 4.962 Area 285945
Q 528.80>509.00 (-) 1.27e5



8_2-FTS_1
Conc 0.0966
RT 4.960 Area 4217
R#1 7.17 (0.00)
Q 527.10>506.90 (-) 1.95e3

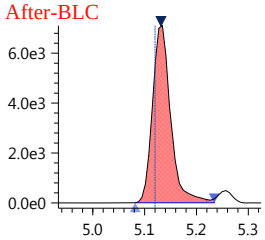


R1 527.20>487.00 (-) 1.39e2

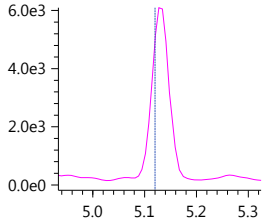


PFDS_1
Conc 0.1102
RT 5.131 Area 17353
R#1 82.22 (0.00)
Q 599.00>79.90 (-) 7.11e3

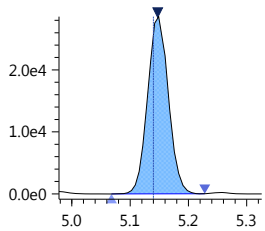
After-BLC



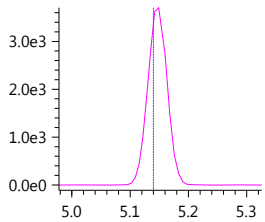
R1 599.00>99.10 (-) 6.10e3



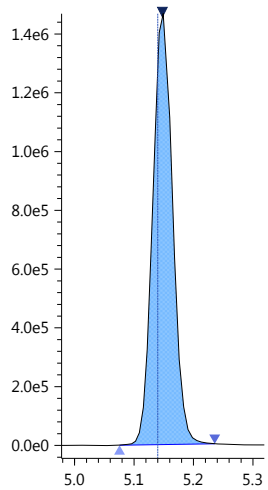
PFUnA
Conc 0.0877
RT 5.147 Area 71042
R#1 12.86 (0.00)
Q 563.00>518.90 (-) 2.86e4



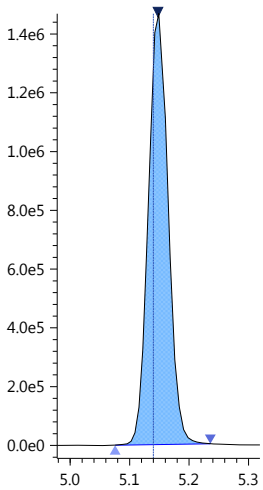
R1 563.00>219.00 (-) 3.70e3



PFUnA-13C_IS
Conc 5.0000
RT 5.148 Area 3422392
ISTD 564.80>519.95 (-) 1.47e6



PFUnA-13C
Conc 5.0178
RT 5.148 Area 3422392
Q 564.80>519.95 (-) 1.47e6



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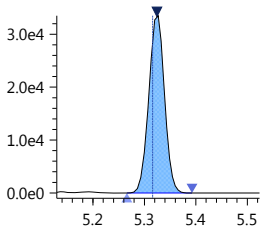
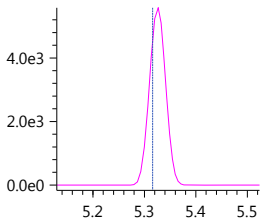
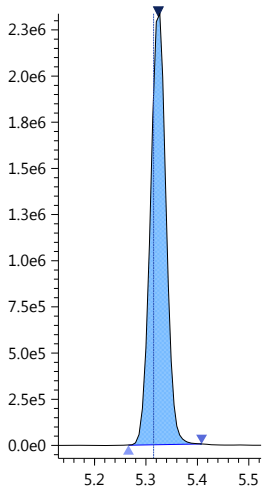
Conc 0.1019
RT 5.324 Area 71254
R#1 15.92 (0.00)
Q 613.05>569.00 (-) 3.35e4



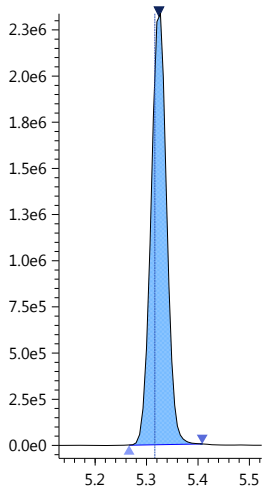
R1 613.05>169.00 (-) 5.58e3



PFDoA-13C
Conc 5.1952
RT 5.324 Area 4984063
Q 614.80>569.95 (-) 2.34e6



PFDoA-13C_IS
Conc 5.0000
RT 5.324 Area 4984063
ISTD 614.80>569.95 (-) 2.34e6



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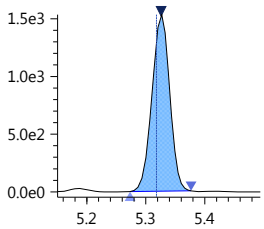
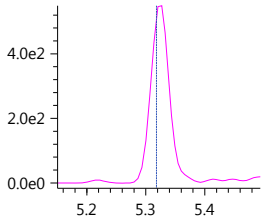
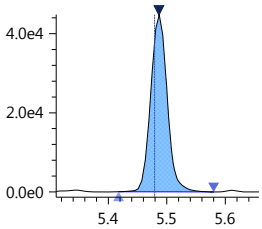
10_2-FtS_1
Conc 0.1052
RT 5.326 Area 3203
R#1 35.37 (0.00)
Q 627.00>606.95 (-) 1.54e3



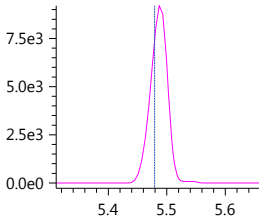
R1 627.00>81.25 (-) 5.49e2



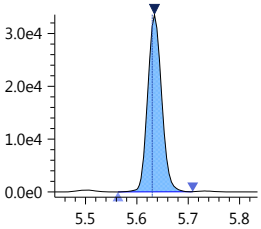
PFTrDA
Conc 0.1128
RT 5.486 Area 87973
R#1 20.27 (0.00)
Q 663.00>618.90 (-) 4.48e4



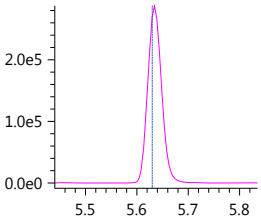
R1 662.90>169.00 (-) 9.20e3



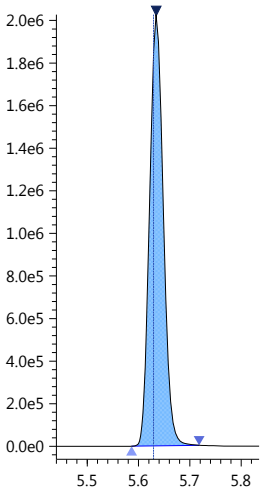
PFTeDA
Conc 0.0997
RT 5.634 Area 63332
R#1 862.65 (0.00)
Q 713.40>669.00 (-) 3.36e4



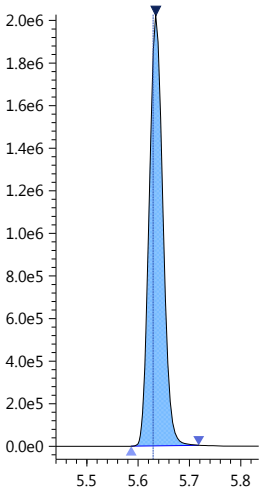
R1 713.40>169.10 (-) 2.88e5



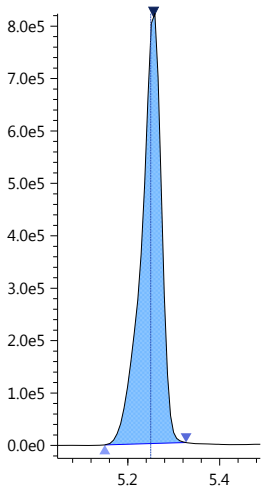
PFTeDA-13C
Conc 5.1603
RT 5.634 Area 3770980
Q 714.70>669.90 (-) 2.03e6



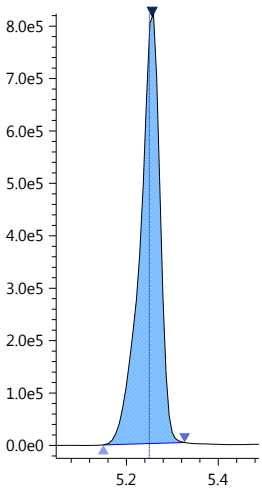
PFTeDA-13C_IS
Conc 5.0000
RT 5.634 Area 3770980
ISTD 714.70>669.90 (-) 2.03e6



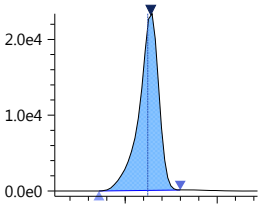
FOSA-13C_IS
Conc 5.0000
RT 5.256 Area 2487321
ISTD 506.00>78.05 (-) 8.24e5



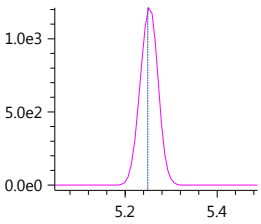
FOSA-13C
Conc 4.8912
RT 5.256 Area 2487321
Q 506.00>78.05 (-) 8.24e5



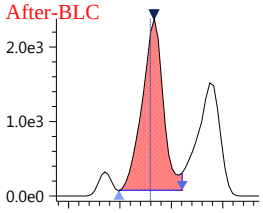
FOSA
Conc 0.1089
RT 5.256 Area 69291
R#1 5.38 (0.00)
Q 498.20>78.00 (-) 2.34e4



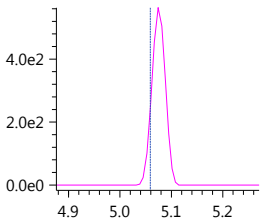
R1 498.20>64.10 (-) 1.21e3



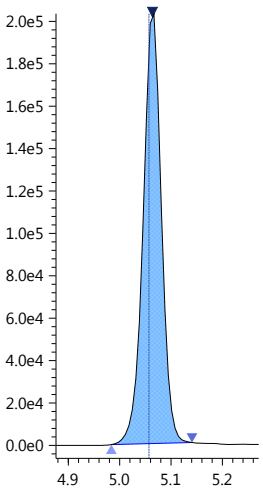
N-MeFOSAA
Conc 0.0983
RT 5.066 Area 6533
R#1 20.31 (0.00)
Q 570.20>419.00 (-) 2.38e3



R1 570.20>512.00 (-) 5.63e2



N-MeFOSAA-d3
Conc 4.8700
RT 5.064 Area 500556
Q 572.80>419.05 (-) 2.04e5



Insight Report

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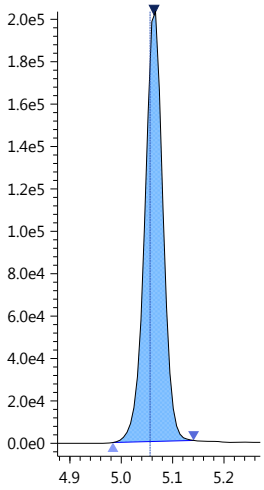
N-MeFOSAA-d3_IS
Conc 5.0000
RT 5.064 Area 500556

ISTD 572.80>419.05 (-) 2.04e5



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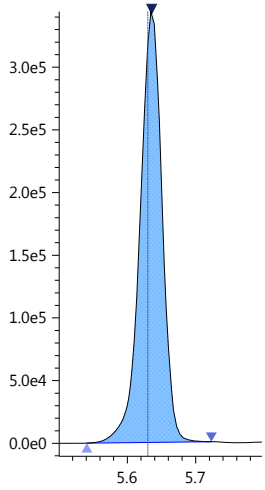
Conc 5.0000
RT 5.636 Area 769989

ISTD 514.90>168.90 (-) 3.44e5



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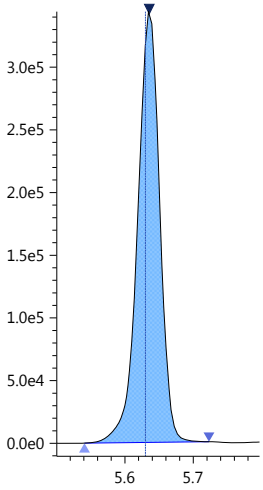
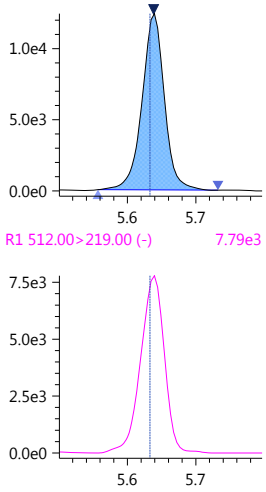
RT 5.636 Area 769989

Q 514.90>168.90 (-) 3.44e5



N-MeFOSA
Conc 0.1068
RT 5.638 Area 28046
R#1 61.40 (0.00)

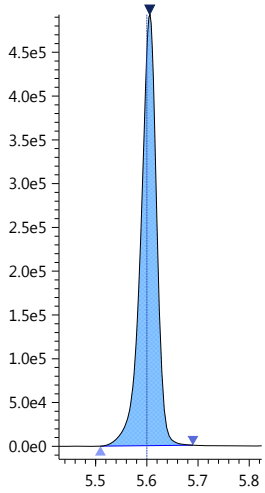
Q 512.00>169.10 (-) 1.25e4



R1 512.00>219.00 (-) 7.79e3

N-MeFOSE-d7
Conc 4.8153
RT 5.606 Area 1065836

Q 622.70>59.10 (-) 4.93e5



N-MeFOSE-d7_IS
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RT 5.606 Area 1065836

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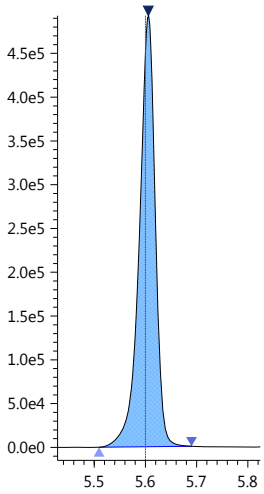
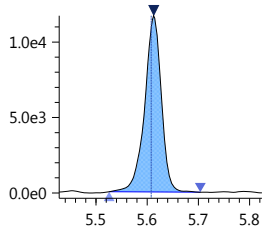
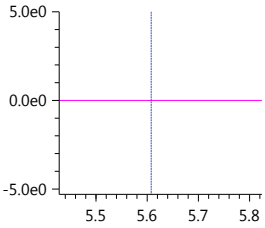


N-MeFOSE
Conc 0.1035
RT 5.613 Area 26373
R#1 0.00 (0.00)

Q 616.00>59.00 (-) 1.17e4

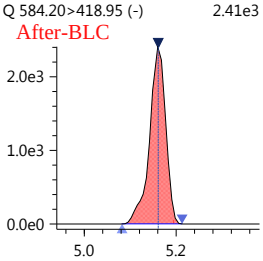


R1 556.00>121.20 (-) 0.00e0

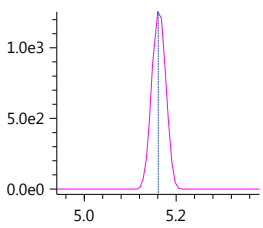


N-EtFOSAA
Conc 0.1032
RT 5.161 Area 5872
R#1 51.84 (0.00)

Q 584.20>418.95 (-) 2.41e3

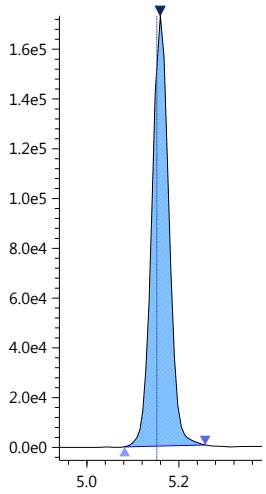


R1 584.20>526.10 (-) 1.26e3



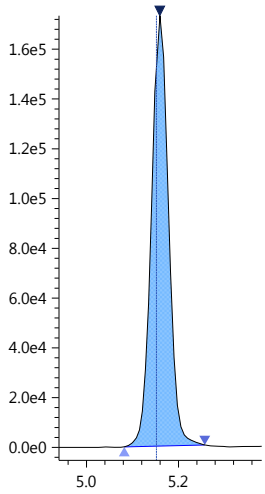
N-EtFOSAA-d5_IS
Conc 5.0000
RT 5.159 Area 450455

ISTD 588.80>419.00 (-) 1.73e5



N-EtFOSAA-d5
Conc 4.9766
RT 5.159 Area 450455

Q 588.80>419.00 (-) 1.73e5



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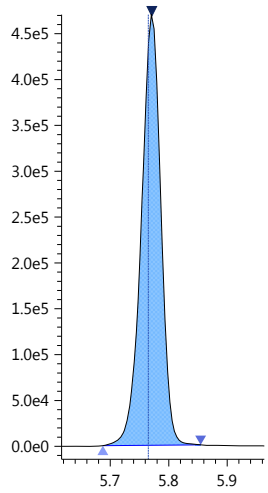
N-EtFOSA-d9_IS

Conc 5.0000
RT 5.771 Area 1093271

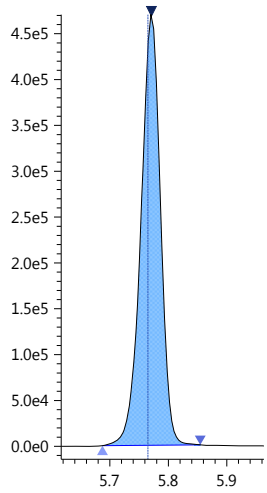
ISTD 530.90>169.15 (-) 4.71e5



N-EtFOSA-d9

Conc 4.7949
RT 5.771 Area 1093271

Q 530.90>169.15 (-) 4.71e5



N-EtFOSA

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RT 5.776 Area 4435
R#1 73.62 (0.00)

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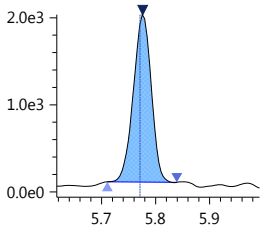
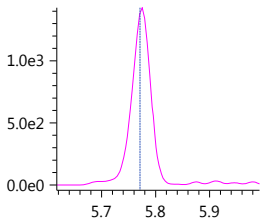


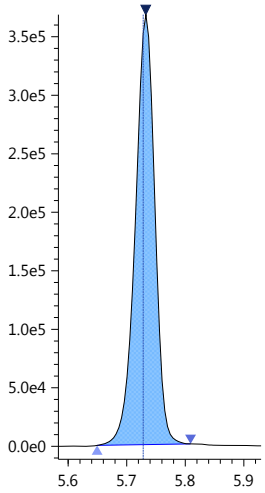
R1 526.90>219.00 (-) 1.43e3



N-EtFOSE-d9_IS

Conc 5.0000
RT 5.733 Area 856188

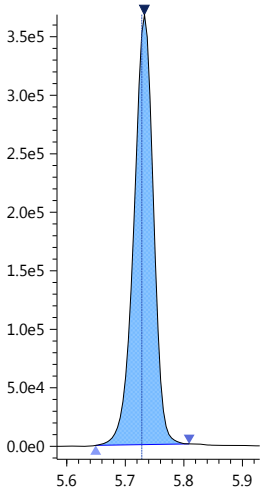
ISTD 638.70>59.10 (-) 3.69e5



N-EtFOSE-d9

Conc 4.7231
RT 5.733 Area 856188

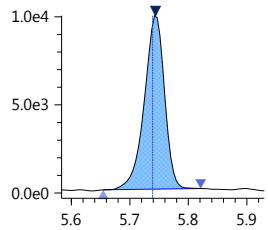
Q 638.70>59.10 (-) 3.69e5



N-EtFOSE

Conc 0.1056
RT 5.744 Area 23645
R#1 0.00 (0.00)

Q 630.00>58.90 (-) 1.01e4



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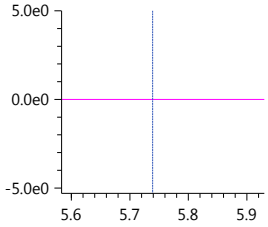
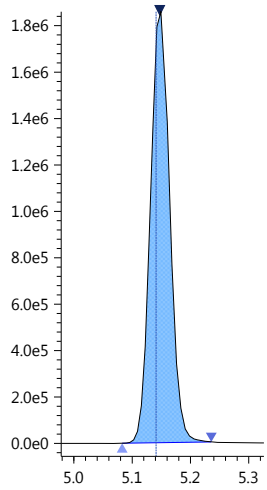


13C7-PFUnDA_IS

Conc 5.0000
RT 5.147 Area 4299744

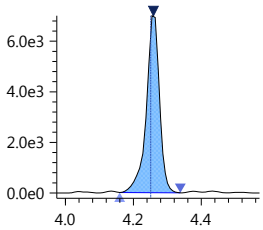
ISTD 570.00>525.00 (-) 1.86e6



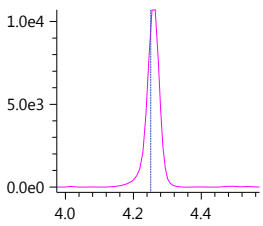
PFPeS

Conc 0.1192
RT 4.259 Area 18945
R#1 152.24 (0.00)

Q 349.00>99.00 (-) 7.01e3



R1 349.00>79.95 (-) 1.07e4

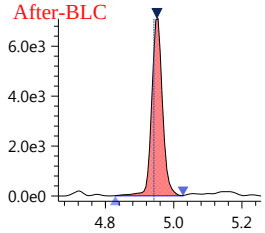


PFNS

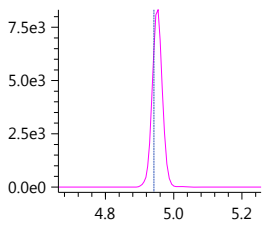
Conc 0.1195
RT 4.951 Area 15609
R#1 114.44 (0.00)

Q 549.00>99.00 (-) 7.10e3

After-BLC



R1 549.00>79.95 (-) 8.32e3



Insight Report

Printed at 6/19/2019 8:39:19 AM

190618_029

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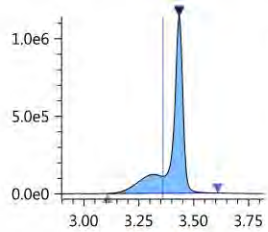
Date acquired: 6/18/2019 3:43:56 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190618_b1\190618_029.lcd
Vial: 29 | Inj. Volume: 15.0000uL | Tray: 1

PFBA-13C_IS
Conc 5.0000
RT 3.434 Area 4049707
ISTD 216.90>172.15 (-) 1.14e6



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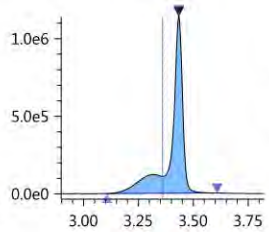
RT 3.434 Area 4049707
Q 216.90>172.15 (-) 1.14e6



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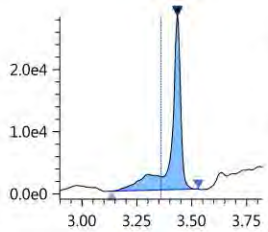
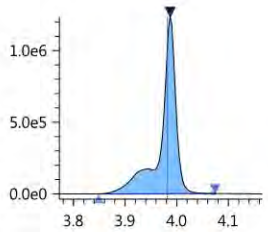
Q 213.00>169.10 (-) 2.85e4



PFPeA-13C_IS
Conc 5.0000
RT 3.987 Area 2469038
ISTD 267.90>223.00 (-) 1.24e6



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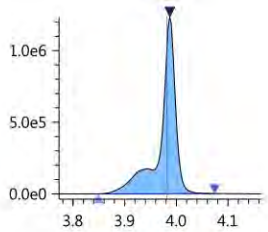
Q 267.90>223.00 (-) 1.24e6



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Conc 0.1393
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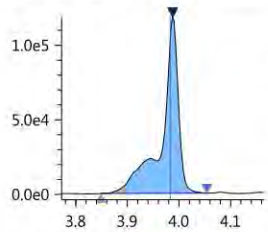
Q 263.05>219.10 (-) 1.19e5



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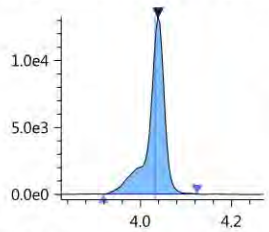
Conc 0.0907
RT 4.039 Area 30693
Q 299.00>80.00 (-) 1.32e4



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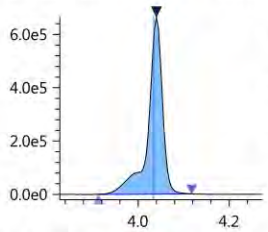
RT 4.040 Area 1445302
Q 301.80>80.00 (-) 6.65e5



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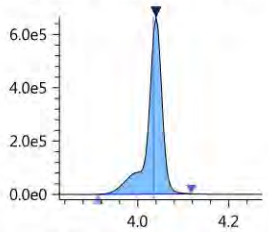

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Conc 5.0000
RT 4.244 Area 5772963
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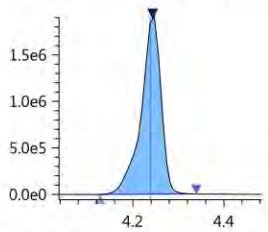

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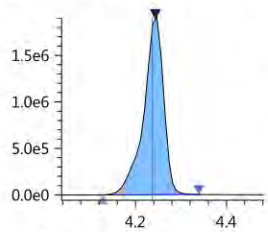

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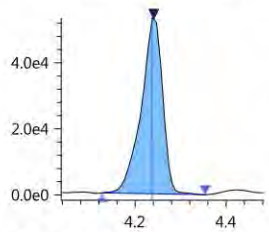
RT 4.241 Area 173702
Q 313.00>269.00 (-) 5.37e4



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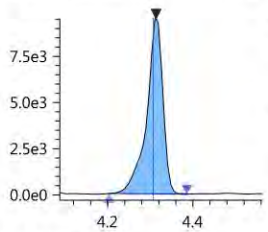
RT 4.314 Area 25114
Q 329.00>169.00 (-) 9.59e3



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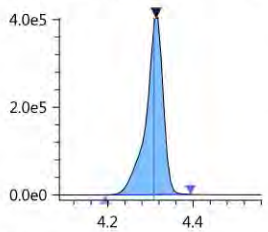

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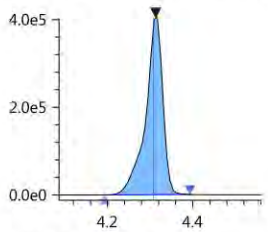

4_2-FTS-13C_IS
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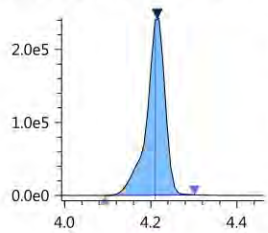
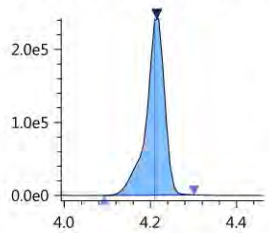
RT 4.215 Area 717810
ISTD 328.80>309.05 (-) 2.43e5



4_2-FTS-13C
Conc 5.1405
RT 4.215 Area 717810
Q 328.80>309.05 (-) 2.43e5



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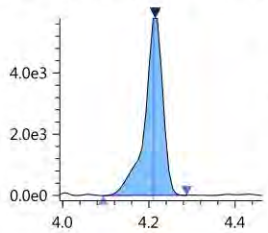
RT 4.215 Area 16974
Q 327.00>307.05 (-) 5.79e3



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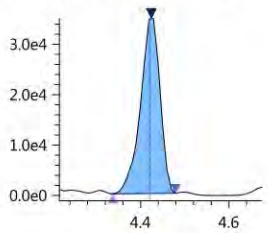
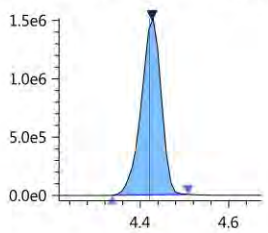
Conc 0.1125
RT 4.424 Area 107407
Q 362.90>319.00 (-) 3.52e4



PFHpA-13C_IS
Conc 5.0000
RT 4.427 Area 4745829
ISTD 366.90>322.10 (-) 1.52e6



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PFHpA-13C
Conc 4.3636
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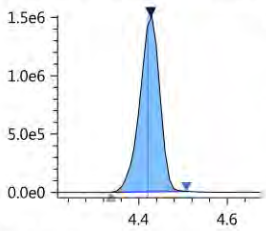
Q 366.90>322.10 (-) 1.52e6



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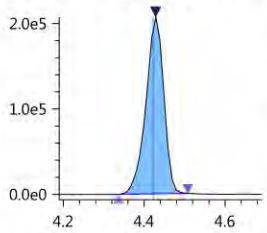
Conc 5.0000
RT 4.429 Area 633200
ISTD 402.70>84.05 (-) 2.07e5



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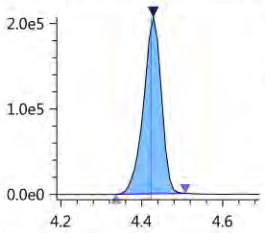
Conc 4.1022
RT 4.429 Area 633200
Q 402.70>84.05 (-) 2.07e5



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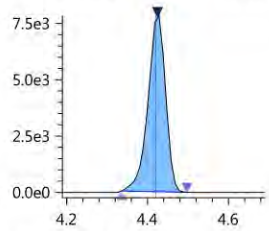

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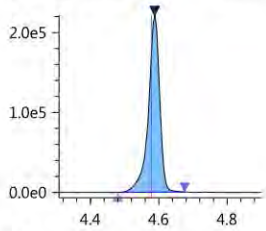
Q 428.90>409.00 (-) 2.22e5



6_2-FTS-13C_IS
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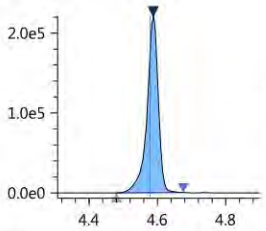
ISTD 428.90>409.00 (-) 2.22e5



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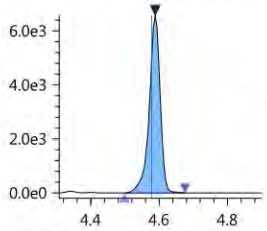
Conc 0.1164
RT 4.588 Area 14550
Q 427.00>407.00 (-) 6.56e3



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RT 4.594 Area 22690
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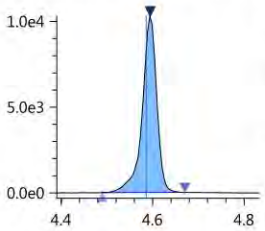

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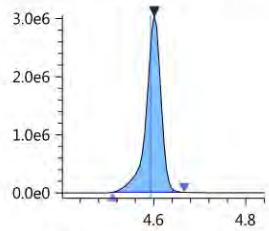
RT 4.601 Area 6741387
ISTD 416.80>372.05 (-) 3.05e6



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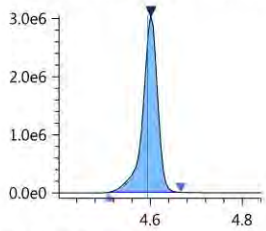

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RT 4.602 Area 148698
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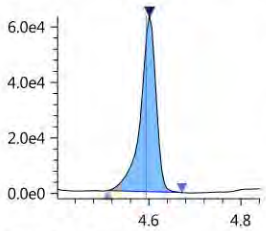

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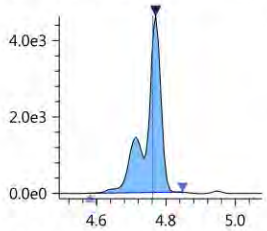

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Conc 5.0000
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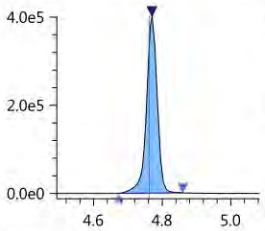

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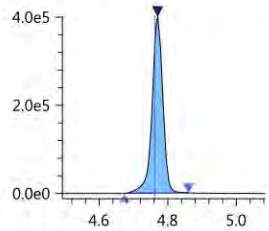

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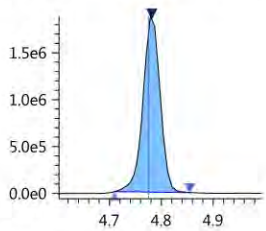
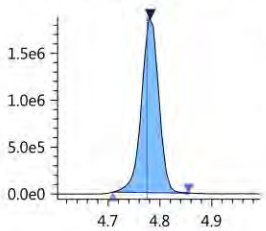
Conc 5.0000
RT 4.781 Area 4327347
ISTD 467.80>423.00 (-) 1.89e6



PFNA-13C
Conc 4.8978
RT 4.781 Area 4327347
Q 467.80>423.00 (-) 1.89e6



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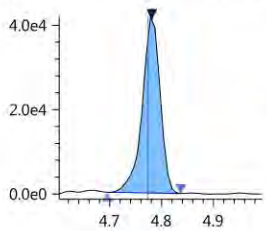
Conc 0.1175
RT 4.781 Area 100627
Q 463.00>418.90 (-) 4.20e4



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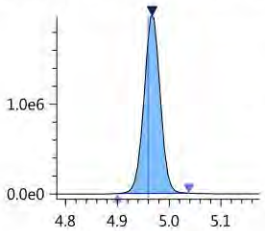
ISTD 514.80>469.95 (-) 1.97e6



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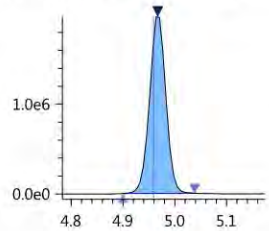

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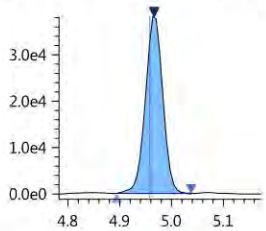

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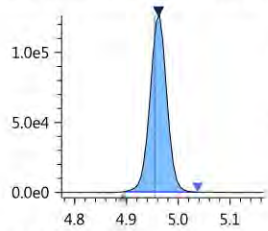
8_2-FTS-13C_IS
Conc 5.0000
RT 4.962 Area 285945
ISTD 528.80>509.00 (-) 1.27e5



8_2-FTS-13C
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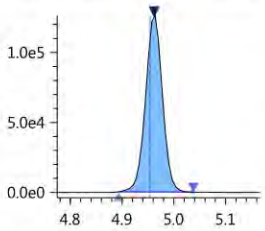
Q 528.80>509.00 (-) 1.27e5



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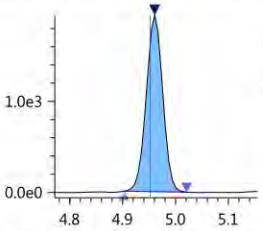
Q 527.10>506.90 (-) 1.95e3



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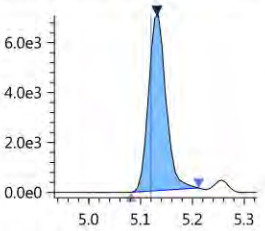

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Conc 0.1044
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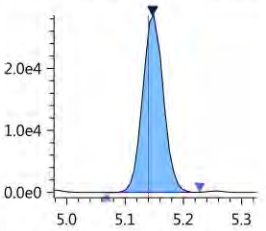

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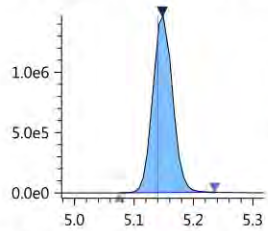

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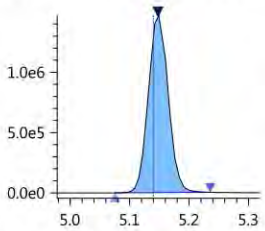
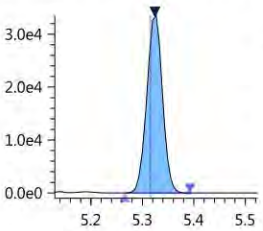
Q 564.80>519.95 (-) 1.47e6



PFDoA
Conc 0.1089
RT 5.324 Area 71254
Q 613.05>569.00 (-) 3.35e4



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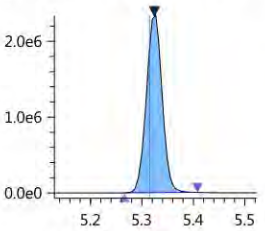
Q 614.80>569.95 (-) 2.34e6



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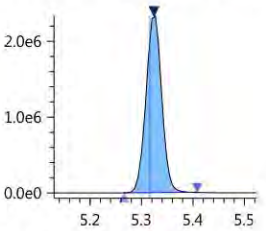
ISTD 614.80>569.95 (-) 2.34e6



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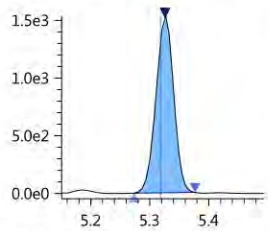

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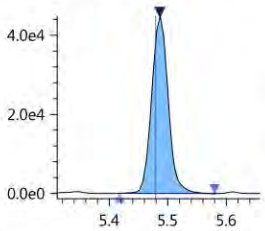
Q 663.00>618.90 (-) 4.48e4



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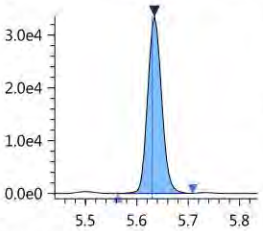
Q 713.40>669.00 (-) 3.36e4



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Conc 5.1603
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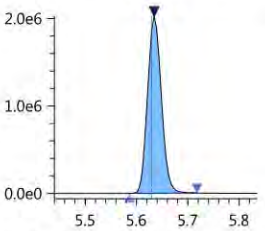
Q 714.70>669.90 (-) 2.03e6



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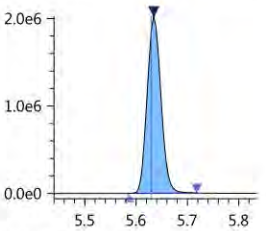

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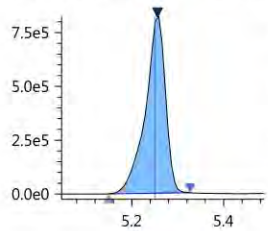
ISTD 506.00>78.05 (-) 8.24e5



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Conc 4.8912
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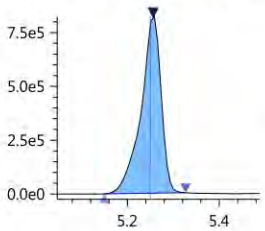
Q 506.00>78.05 (-) 8.24e5



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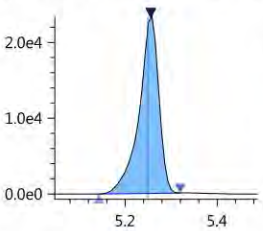
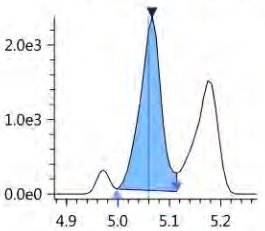
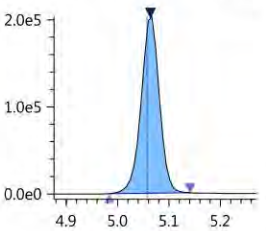
RT 5.256 Area 69291
Q 498.20>78.00 (-) 2.34e4



N-MeFOSAA
Conc 0.0956
RT 5.066 Area 6626
Q 570.20>419.00 (-) 2.38e3



N-MeFOSAA-d3
Conc 4.8700
RT 5.064 Area 500556
Q 572.80>419.05 (-) 2.04e5



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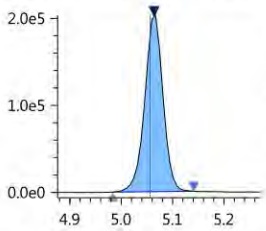
N-MeFOSAA-d3_IS
Conc 5.0000
RT 5.064 Area 500556
ISTD 572.80>419.05 (-) 2.04e5



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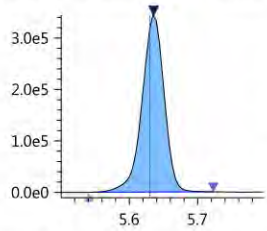
Conc 5.0000
RT 5.636 Area 769989
ISTD 514.90>168.90 (-) 3.44e5



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Conc 5.0084
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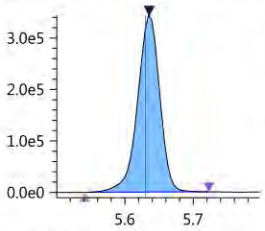
Q 514.90>168.90 (-) 3.44e5



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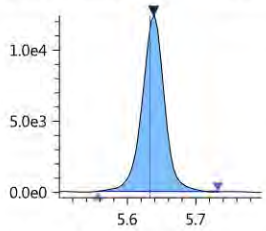
Conc 0.1075
RT 5.638 Area 28046
Q 512.00>169.10 (-) 1.25e4



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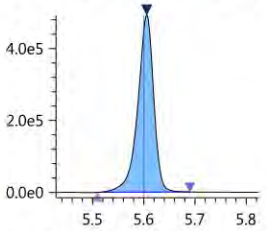
Conc 4.8153
RT 5.606 Area 1065836
Q 622.70>59.10 (-) 4.93e5



N-MeFOSE-d7_IS
Conc 5.0000
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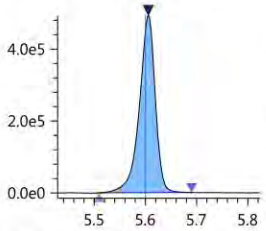

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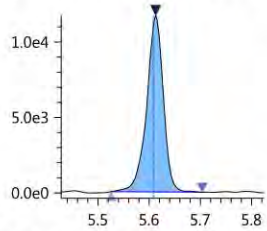
Conc 0.1035
RT 5.613 Area 26373
Q 616.00>59.00 (-) 1.17e4



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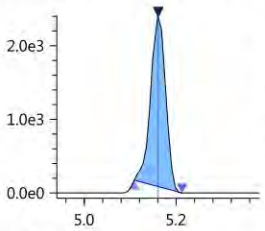

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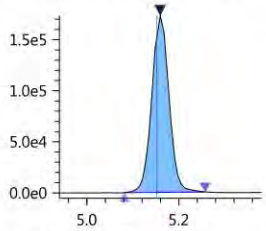
RT 5.159 Area 450455
ISTD 588.80>419.00 (-) 1.73e5



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Conc 4.9766
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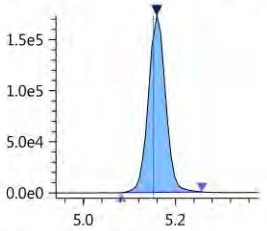
Q 588.80>419.00 (-) 1.73e5



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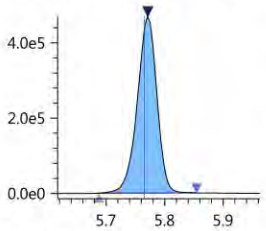
ISTD 530.90>169.15 (-) 4.71e5



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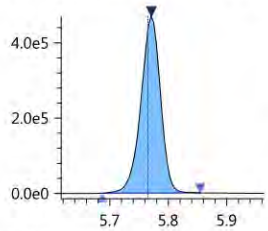
Q 530.90>169.15 (-) 4.71e5



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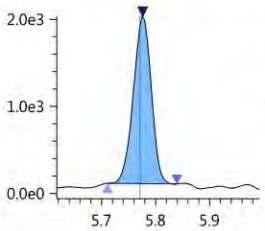
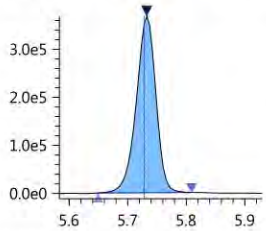
Conc 0.1012
RT 5.776 Area 4435
Q 526.90>169.10 (-) 2.04e3



N-EtFOSE-d9_IS
Conc 5.0000
RT 5.733 Area 856188
ISTD 638.70>59.10 (-) 3.69e5



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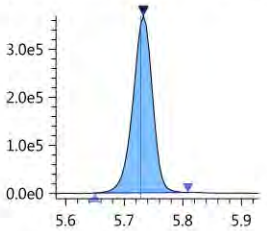

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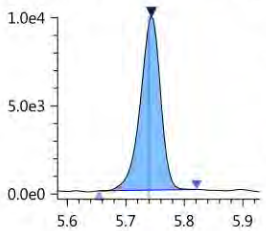
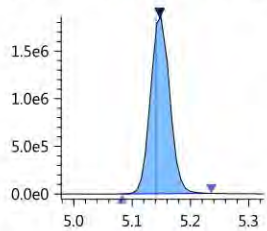
Q 630.00>58.90 (-) 1.01e4



13C7-PFUnDA_IS
Conc 5.0000
RT 5.147 Area 4299744
ISTD 570.00>525.00 (-) 1.86e6



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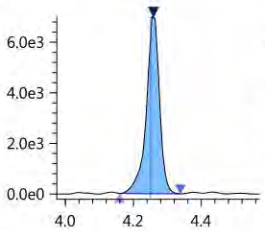
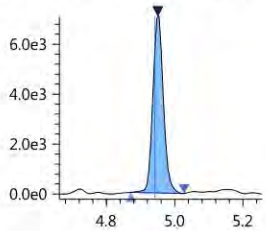
Conc 0.1192
RT 4.259 Area 18945
Q 349.00>99.00 (-) 7.01e3



PFNS
Conc 0.1169
RT 4.951 Area 15212
Q 549.00>99.00 (-) 7.10e3



Insight Report

Printed at 6/19/2019 1:07:21 PM

190618_030

Sample ID: 0.50 PPB ICAL
Date acquired: 6/18/2019 3:54:26 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190618_b1\190618_030.lcd
Vial: 30 | Inj. Volume: 15.0000uL | Tray: 1

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
PFBA-13C_IS	Auto	3.430	4015379	4015379	2	5.0000	ng/mL	5.0000
PFBA-13C	Auto	3.430	4015379	4011869	26	5.2430	ng/mL	5.0000
PFBA	Auto	3.431	430778	4015379	2	0.5254	ng/mL	0.5000
PFPeA-13C_IS	Auto	3.983	2441256	2441256	4	5.0000	ng/mL	5.0000
PFPeA-13C	Auto	3.983	2441256	4011869	26	5.2603	ng/mL	5.0000
PFPeA	Auto	3.983	760430	2441256	4	0.5248	ng/mL	0.5000
PFBS_1	Auto	4.034	154204	1521497	16	0.4319	ng/mL	0.4437
PFBS-13C	Auto	4.035	1521497	4011869	26	5.4326	ng/mL	5.0000
PFBS-13C_IS	Auto	4.035	1521497	1521497	16	5.0000	ng/mL	5.0000
PFHxA-13C_IS	Auto	4.240	6145105	6145105	6	5.0000	ng/mL	5.0000
PFHxA-13C	Auto	4.240	6145105	4011869	26	5.8739	ng/mL	5.0000
PFHxA	Auto	4.240	751135	6145105	6	0.5137	ng/mL	0.5000
HPFO_DA	Auto	4.308	115645	1044387	3	0.5062	ng/mL	0.5000
HFPO_DA-13C_IS	Auto	4.308	1044387	1044387	3	5.0000	ng/mL	5.0000
HFPO_DA-13C	Auto	4.308	1044387	4011869	26	4.9623	ng/mL	5.0000
4_2-FTS-13C_IS	Auto	4.211	678191	678191	5	5.0000	ng/mL	5.0000
4_2-FTS-13C	Auto	4.211	678191	4011869	26	5.2052	ng/mL	5.0000
4_2-FTS_1	Auto	4.211	72869	678191	5	0.4772	ng/mL	0.4686
PFHpA	Auto	4.422	614338	6123359	8	0.5181	ng/mL	0.5000
PFHpA-13C_IS	Auto	4.422	6123359	6123359	8	5.0000	ng/mL	5.0000
PFHpA-13C	Auto	4.422	6123359	4011869	26	6.0342	ng/mL	5.0000
PFHxS-18O_IS	Auto	4.423	869326	869326	7	5.0000	ng/mL	5.0000
PFHxS-18O	Auto	4.423	869326	4011869	26	6.0360	ng/mL	5.0000
PFHxS_1	Auto	4.420	102564	869326	7	0.4095	ng/mL	0.4565
6_2-FTS-13C	Auto	4.582	539456	4011869	26	5.3192	ng/mL	5.0000
6_2-FTS-13C_IS	Auto	4.582	539456	539456	10	5.0000	ng/mL	5.0000
6_2-FTS_1	Auto	4.582	67712	539456	10	0.5083	ng/mL	0.4756
PFHpS_1	Auto	4.588	117293	869326	7	0.4160	ng/mL	0.4767
PFOA-13C_IS	Auto	4.596	6817193	6817193	9	5.0000	ng/mL	5.0000
PFOA-13C	Auto	4.596	6817193	4011869	26	5.5356	ng/mL	5.0000
PFOA	Auto	4.596	656609	6817193	9	0.5120	ng/mL	0.5000
PFOS_1	Auto	4.764	72002	945631	13	0.4562	ng/mL	0.4646
PFOS-13C_IS	Auto	4.764	945631	945631	13	5.0000	ng/mL	5.0000
PFOS-13C	Auto	4.764	945631	4011869	26	5.2308	ng/mL	5.0000
PFNA-13C_IS	Auto	4.777	4709516	4709516	11	5.0000	ng/mL	5.0000
PFNA-13C	Auto	4.777	4709516	4011869	26	5.6945	ng/mL	5.0000
PFNA	Auto	4.777	432906	4709516	11	0.4928	ng/mL	0.5000
PFDA-13C_IS	Auto	4.962	4139291	4139291	12	5.0000	ng/mL	5.0000
PFDA-13C	Auto	4.962	4139291	4011869	26	5.3445	ng/mL	5.0000
PFDA	Auto	4.962	424026	4139291	12	0.5032	ng/mL	0.5000
8_2-FTS-13C_IS	Auto	4.957	284428	284428	15	5.0000	ng/mL	5.0000
8_2-FTS-13C	Auto	4.957	284428	4011869	26	5.0481	ng/mL	5.0000
8_2-FTS_1	Auto	4.956	25255	284428	15	0.5818	ng/mL	0.4800
PFDS_1	Auto	5.125	90406	945631	13	0.5318	ng/mL	0.4823
PFUnA	Auto	5.143	302601	3180289	14	0.5208	ng/mL	0.5000
PFUnA-13C_IS	Auto	5.143	3180289	3180289	14	5.0000	ng/mL	5.0000
PFUnA-13C	Auto	5.143	3180289	4011869	26	4.9974	ng/mL	5.0000
PFDoA	Auto	5.319	306861	4731369	17	0.5137	ng/mL	0.5000
PFDoA-13C	Auto	5.319	4731369	4011869	26	5.2857	ng/mL	5.0000
PFDoA-13C_IS	Auto	5.319	4731369	4731369	17	5.0000	ng/mL	5.0000
10_2-FtS_1	Auto	5.321	16099	284428	15	0.5315	ng/mL	0.4831
PFTrDA	Auto	5.482	327208	3634243	22	0.4593	ng/mL	0.5000
PFTeDA	Auto	5.631	163524	3634243	22	0.5152	ng/mL	0.5000
PFTeDA-13C	Auto	5.631	3634243	4011869	26	5.3300	ng/mL	5.0000
PFTeDA-13C_IS	Auto	5.631	3634243	3634243	22	5.0000	ng/mL	5.0000
FOSA-13C_IS	Auto	5.252	2614343	2614343	18	5.0000	ng/mL	5.0000
FOSA-13C	Auto	5.252	2614343	4011869	26	5.5099	ng/mL	5.0000
FOSA	Auto	5.251	322712	2614343	18	0.4823	ng/mL	0.5000
N-MeFOSAA	M	5.063	37450	490648	19	0.5751	ng/mL	0.5000
N-MeFOSAA-d3	Auto	5.059	490648	4011869	26	5.1162	ng/mL	5.0000
N-MeFOSAA-d3_IS	Auto	5.059	490648	490648	19	5.0000	ng/mL	5.0000
N-MeFOSA-d3_IS	Auto	5.632	765010	765010	1	5.0000	ng/mL	5.0000
N-MeFOSA-d3	Auto	5.632	765010	4011869	26	5.3330	ng/mL	5.0000
N-MeFOSA	Auto	5.635	130581	765010	1	0.5007	ng/mL	0.5000
N-MeFOSE-d7	Auto	5.602	1110227	4011869	26	5.3758	ng/mL	5.0000
N-MeFOSE-d7_IS	Auto	5.602	1110227	1110227	20	5.0000	ng/mL	5.0000
N-MeFOSE	Auto	5.609	133875	1110227	20	0.5044	ng/mL	0.5000
N-EtFOSAA	M	5.158	24540	492982	21	0.3943	ng/mL	0.5000

Insight Report

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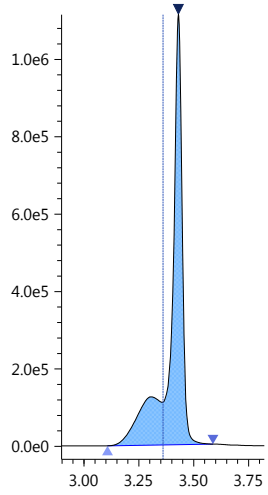
(Table continued from previous page)

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
N-EtFOSAA-d5_IS	Auto	5.156	492982	492982	21	5.0000	ng/mL	5.0000
N-EtFOSAA-d5	Auto	5.156	492982	4011869	26	5.8372	ng/mL	5.0000
N-EtFOSA-d9_IS	Auto	5.767	1136247	1136247	23	5.0000	ng/mL	5.0000
N-EtFOSA-d9	Auto	5.767	1136247	4011869	26	5.3410	ng/mL	5.0000
N-EtFOSA	Auto	5.773	21824	1136247	23	0.4765	ng/mL	0.5000
N-EtFOSE-d9_IS	Auto	5.729	906344	906344	24	5.0000	ng/mL	5.0000
N-EtFOSE-d9	Auto	5.729	906344	4011869	26	5.3585	ng/mL	5.0000
N-EtFOSE	Auto	5.740	123864	906344	24	0.5228	ng/mL	0.5000
13C7-PFUnDA_IS	Auto	5.142	4011869	4011869	26	5.0000	ng/mL	5.0000
PFPeS	Auto	4.255	67486	1521497	16	0.4033	ng/mL	0.4705
PFNS	Auto	4.946	66617	945631	13	0.4724	ng/mL	0.4808

PFBA-13C_IS

Conc 5.0000
RT 3.430 Area 4015379
ISTD 216.90>172.15 (-) 1.12e6



PFBA-13C

Conc 5.2430
RT 3.430 Area 4015379
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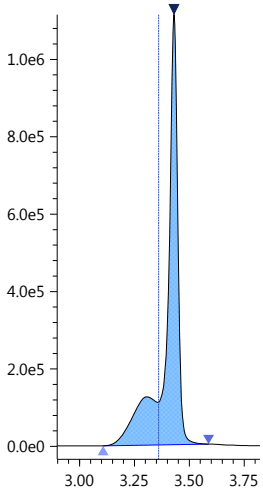

PFBA

Conc 0.5254
RT 3.431 Area 430778
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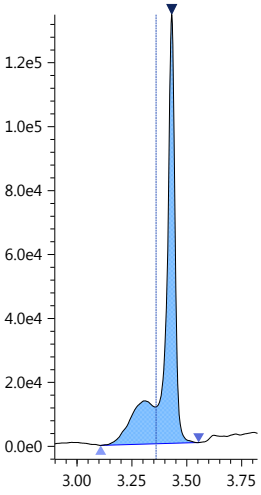
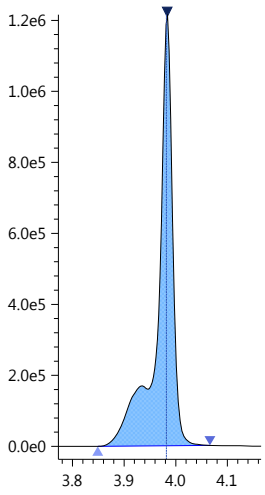


PFPeA-13C_IS

Conc 5.0000
RT 3.983 Area 2441256
ISTD 267.90>223.00 (-) 1.22e6



PFPeA-13C

Conc 5.2603
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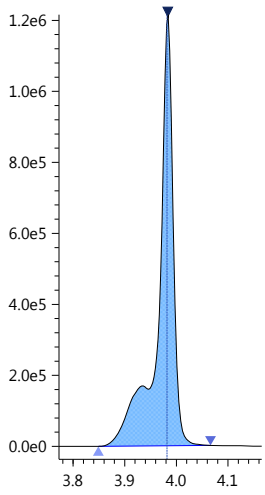
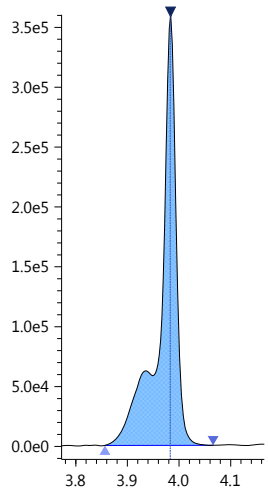
Q 267.90>223.00 (-) 1.22e6



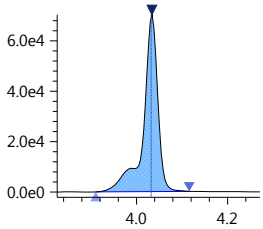
PFPeA

Conc 0.5248
RT 3.983 Area 760430
Q 263.05>219.10 (-) 3.61e5

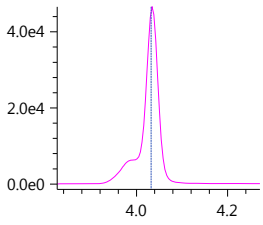


PFBS_1

Conc 0.4319
RT 4.034 Area 154204
R#1 63.73 (0.00)
Q 299.00>80.00 (-) 7.03e4

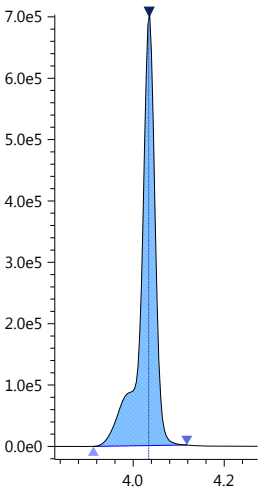


R1 298.80>99.00 (-) 4.66e4



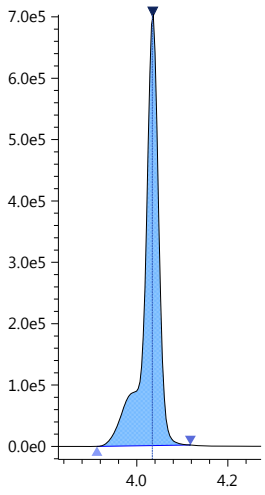
PFBS-13C

Conc 5.4326
RT 4.035 Area 1521497
Q 301.80>80.00 (-) 7.03e5



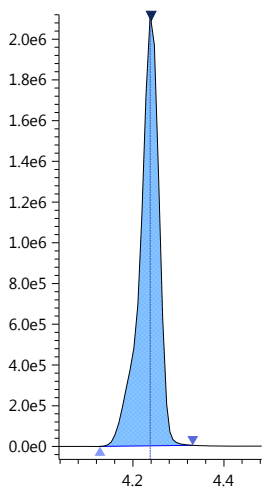
PFBS-13C_IS

Conc 5.0000
RT 4.035 Area 1521497
ISTD 301.80>80.00 (-) 7.03e5



PFHxA-13C_IS

Conc 5.0000
RT 4.240 Area 6145105
ISTD 314.90>270.10 (-) 2.12e6



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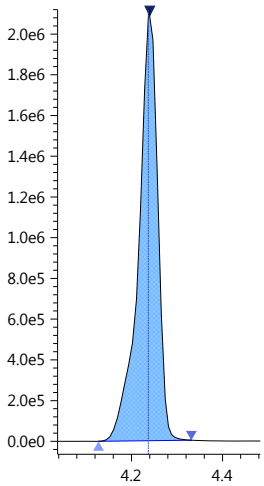
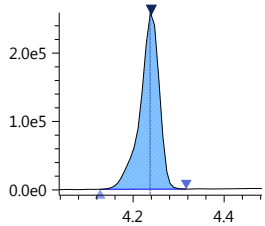
PFHxA-13C
Conc 5.8739
RT 4.240 Area 6145105

Q 314.90>270.10 (-) 2.12e6

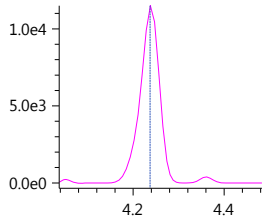


PFHxA
Conc 0.5137
RT 4.240 Area 751135
R#1 4.48 (0.00)

Q 313.00>269.00 (-) 2.59e5

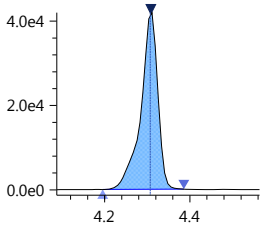


R1 313.00>119.10 (-) 1.15e4

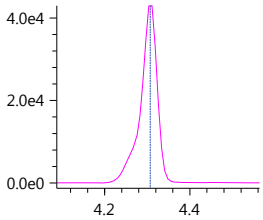


HPFO_DA
Conc 0.5062
RT 4.308 Area 115645
R#1 102.22 (0.00)

Q 329.00>169.00 (-) 4.20e4

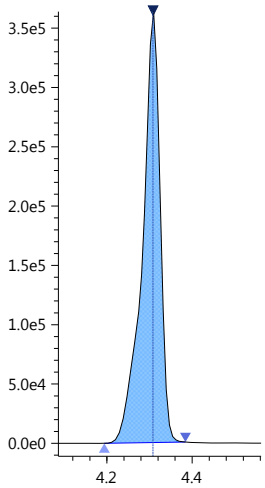


R1 329.00>285.10 (-) 4.30e4



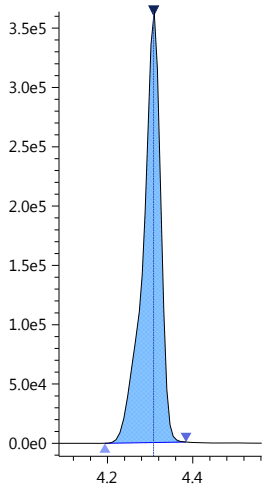
HFPO_DA-13C_IS
Conc 5.0000
RT 4.308 Area 1044387

ISTD 332.00>286.80 (-) 3.64e5



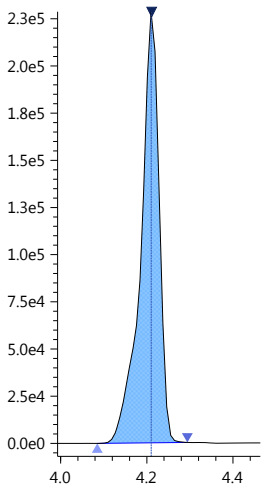
HFPO_DA-13C
Conc 4.9623
RT 4.308 Area 1044387

Q 332.00>286.80 (-) 3.64e5



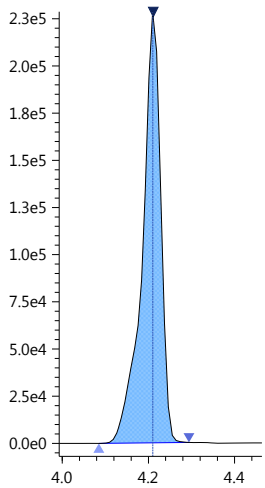
4_2-FTS-13C_IS
Conc 5.0000
RT 4.211 Area 678191

ISTD 328.80>309.05 (-) 2.29e5



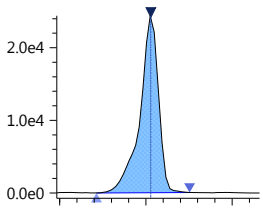
4_2-FTS-13C
Conc 5.2052
RT 4.211 Area 678191

Q 328.80>309.05 (-) 2.29e5

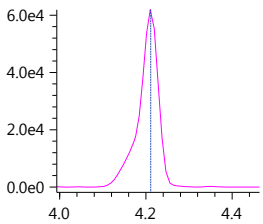


4_2-FTS_1
Conc 0.4772
RT 4.211 Area 72869
R#1 253.75 (0.00)

Q 327.00>307.05 (-) 2.44e4

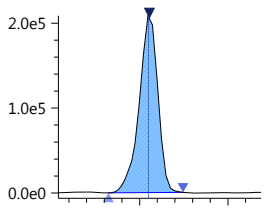


R1 327.00>81.10 (-) 6.19e4

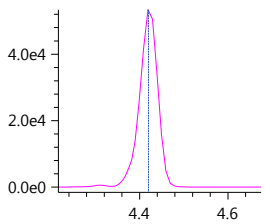


PFHpA
Conc 0.5181
RT 4.422 Area 614338
R#1 25.52 (0.00)

Q 362.90>319.00 (-) 2.09e5

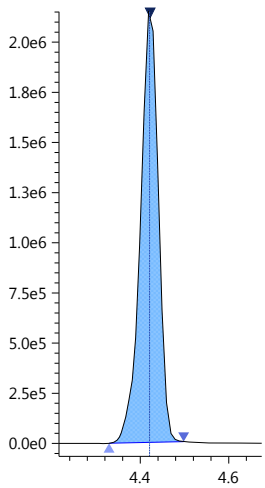


R1 362.90>169.00 (-) 5.34e4



PFHpA-13C_IS
Conc 5.0000
RT 4.422 Area 6123359

ISTD 366.90>322.10 (-) 2.15e6



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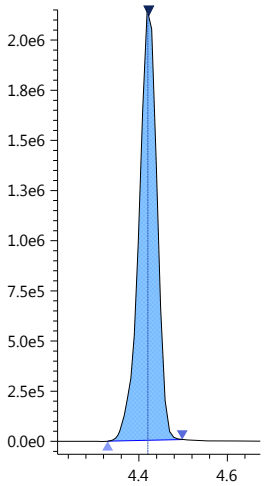
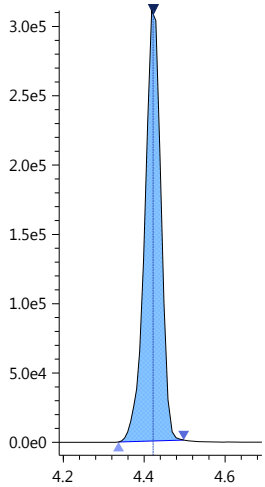
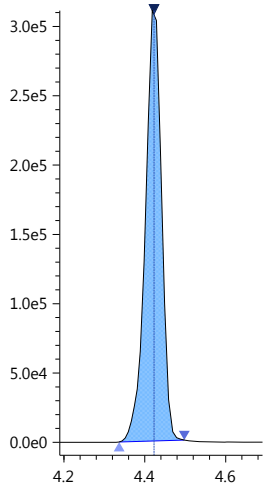
PFHpA-13C
Conc 6.0342
RT 4.422 Area 6123359
Q 366.90>322.10 (-) 2.15e6



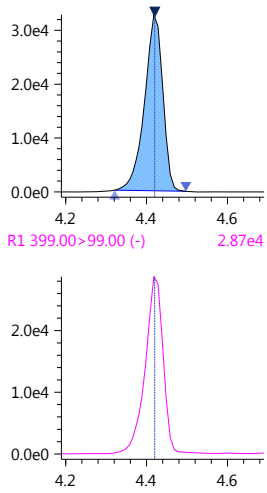
PFHxS-18O_IS
Conc 5.0000
RT 4.423 Area 869326
ISTD 402.70>84.05 (-) 3.11e5



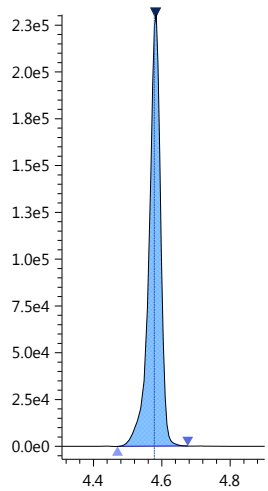
PFHxS-18O
Conc 6.0360
RT 4.423 Area 869326
Q 402.70>84.05 (-) 3.11e5



PFHxS_1
Conc 0.4095
RT 4.420 Area 102564
R#1 86.80 (0.00)
Q 399.00>80.00 (-) 3.29e4



6_2-FTS-13C
Conc 5.3192
RT 4.582 Area 539456
Q 428.90>409.00 (-) 2.31e5



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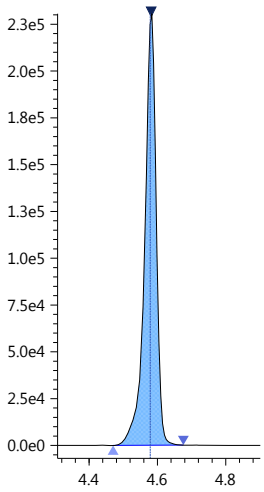
Conc 5.0000
RT 4.582 Area 539456
ISTD 428.90>409.00 (-) 2.31e5



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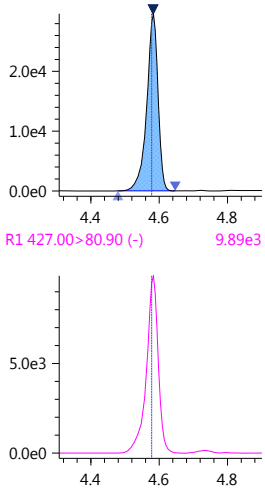
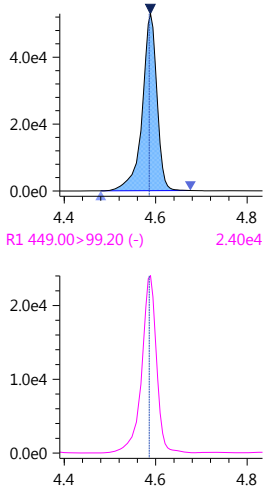
Conc 0.5083
RT 4.582 Area 67712
R#1 33.57 (0.00)
Q 427.00>407.00 (-) 2.96e4



PFHpS_1
Conc 0.4160
RT 4.588 Area 117293
R#1 45.24 (0.00)
Q 449.00>80.15 (-) 5.30e4



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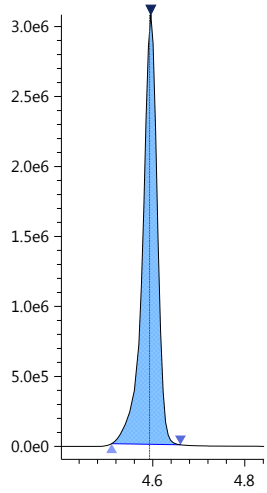
Conc 5.0000
RT 4.596 Area 6817193
ISTD 416.80>372.05 (-) 3.08e6



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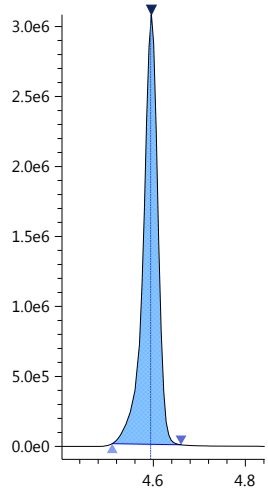
Conc 5.5356
RT 4.596 Area 6817193
Q 416.80>372.05 (-) 3.08e6



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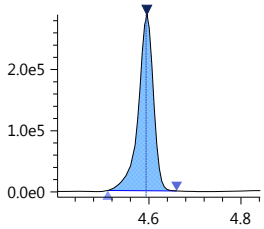
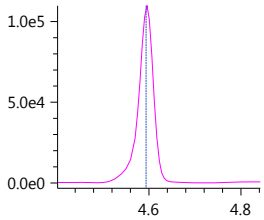
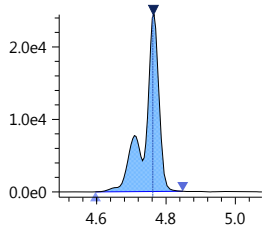
PFOA
Conc 0.5120
RT 4.596 Area 656609
R#1 38.00 (0.00)
Q 413.00>369.00 (-) 2.90e5



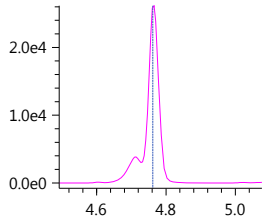
R1 413.00>169.10 (-) 1.10e5



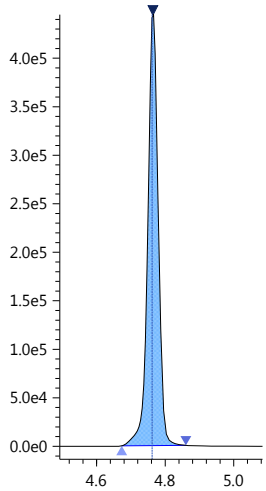
PFOS_1
Conc 0.4562
RT 4.764 Area 72002
R#1 107.36 (0.00)
Q 499.00>80.00 (-) 2.45e4



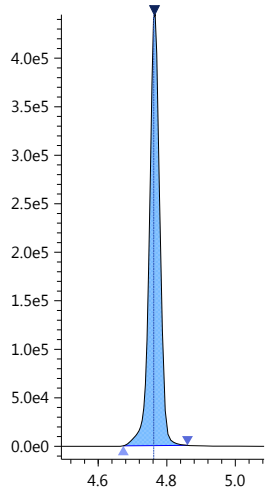
R1 499.00>99.00 (-) 2.62e4



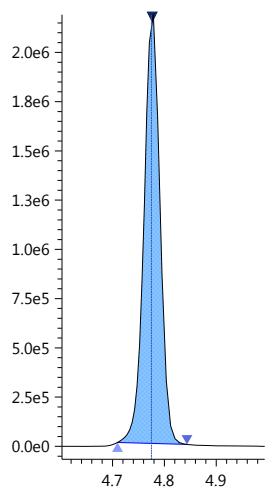
PFOS-13C_IS
Conc 5.0000
RT 4.764 Area 945631
ISTD 502.80>80.05 (-) 4.45e5



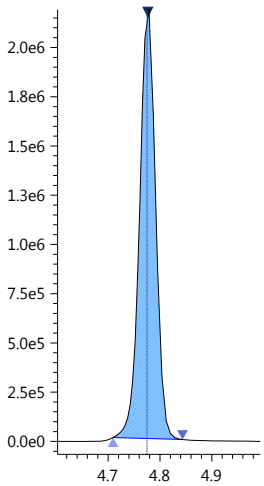
PFOS-13C
Conc 5.2308
RT 4.764 Area 945631
Q 502.80>80.05 (-) 4.45e5



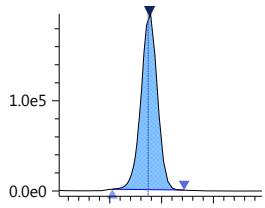
PFNA-13C_IS
Conc 5.0000
RT 4.777 Area 4709516
ISTD 467.80>423.00 (-) 2.19e6



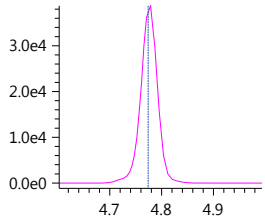
PFNA-13C
Conc 5.6945
RT 4.777 Area 4709516
Q 467.80>423.00 (-) 2.19e6



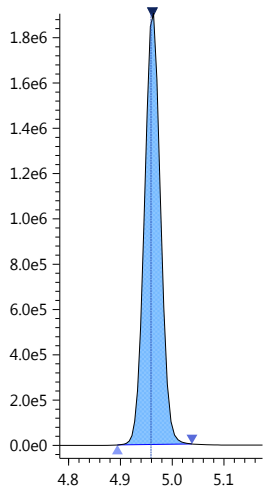
PFNA
Conc 0.4928
RT 4.777 Area 432906
R#1 19.77 (0.00)
Q 463.00>418.90 (-) 1.97e5



R1 463.00>219.00 (-) 3.87e4



PFDA-13C_IS
Conc 5.0000
RT 4.962 Area 4139291
ISTD 514.80>469.95 (-) 1.91e6



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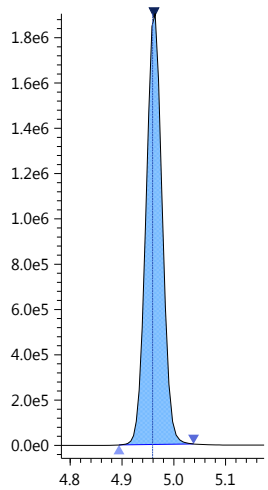
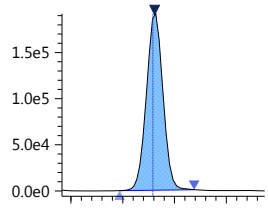
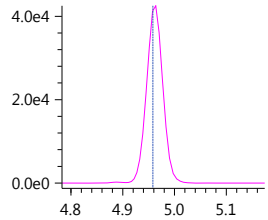
Conc 5.3445
RT 4.962 Area 4139291
Q 514.80>469.95 (-) 1.91e6



PFDA
Conc 0.5032
RT 4.962 Area 424026
R#1 22.22 (0.00)
Q 513.00>468.80 (-) 1.92e5



R1 513.00>219.10 (-) 4.25e4



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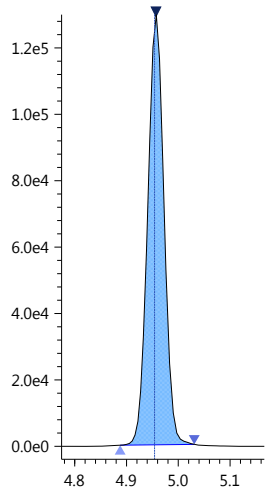
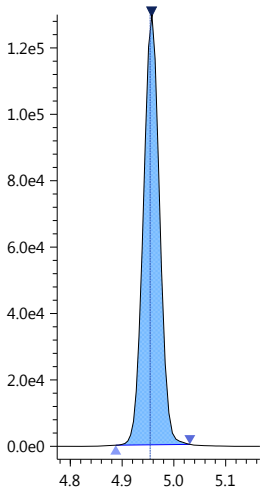
8_2-FTS-13C_IS
Conc 5.0000
RT 4.957 Area 284428
ISTD 528.80>509.00 (-) 1.30e5



8_2-FTS-13C
Conc 5.0481
RT 4.957 Area 284428
Q 528.80>509.00 (-) 1.30e5



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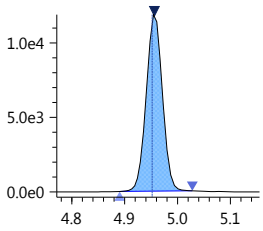
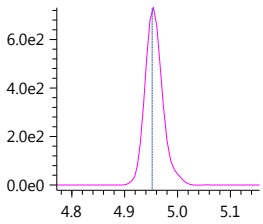
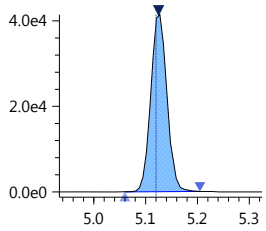
Conc 0.5818
RT 4.956 Area 25255
R#1 6.14 (0.00)
Q 527.10>506.90 (-) 1.19e4



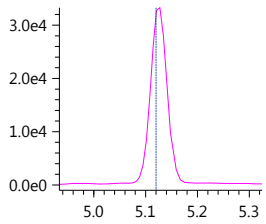
R1 527.20>487.00 (-) 7.31e2



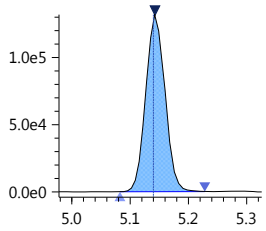
PFDS_1
Conc 0.5318
RT 5.125 Area 90406
R#1 79.31 (0.00)
Q 599.00>79.90 (-) 4.15e4



R1 599.00>99.10 (-) 3.33e4



PFUnA
Conc 0.5208
RT 5.143 Area 302601
R#1 14.26 (0.00)
Q 563.00>518.90 (-) 1.32e5



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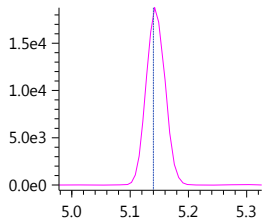
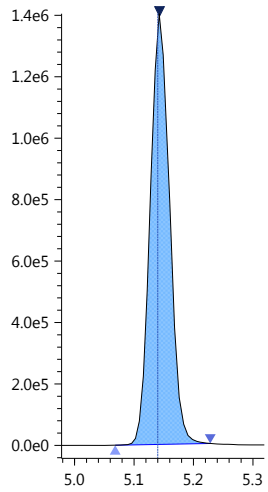
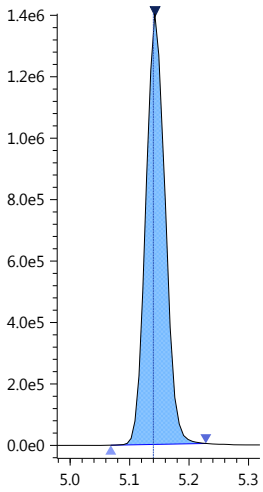


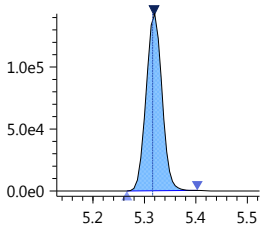
PFUnA-13C_IS
Conc 5.0000
RT 5.143 Area 3180289
ISTD 564.80>519.95 (-) 1.41e6



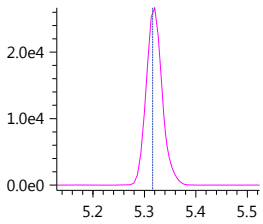
PFUnA-13C
Conc 4.9974
RT 5.143 Area 3180289
Q 564.80>519.95 (-) 1.41e6



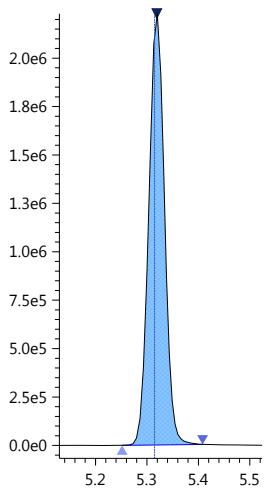
PFDoA
Conc 0.5137
RT 5.319 Area 306861
R#1 18.80 (0.00)
Q 613.05>569.00 (-) 1.43e5



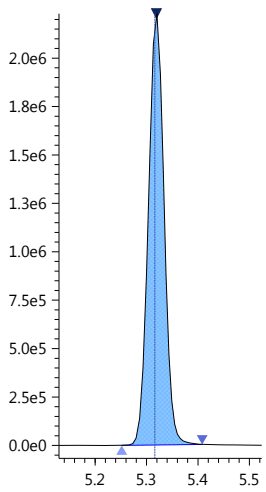
R1 613.05>169.00 (-) 2.67e4



PFDoA-13C
Conc 5.2857
RT 5.319 Area 4731369
Q 614.80>569.95 (-) 2.23e6



PFDoA-13C_IS
Conc 5.0000
RT 5.319 Area 4731369
ISTD 614.80>569.95 (-) 2.23e6



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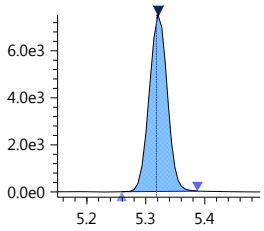
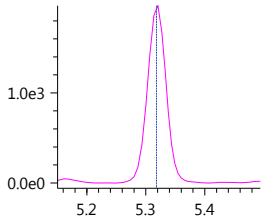
10_2-FtS_1
Conc 0.5315
RT 5.321 Area 16099
R#1 26.12 (0.00)

Q 627.00>606.95 (-) 7.54e3

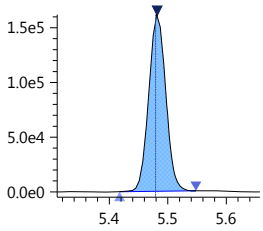


R1 627.00>81.25 (-) 1.97e3

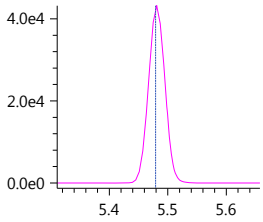


PFTrDA
Conc 0.4593
RT 5.482 Area 327208
R#1 26.83 (0.00)

Q 663.00>618.90 (-) 1.62e5

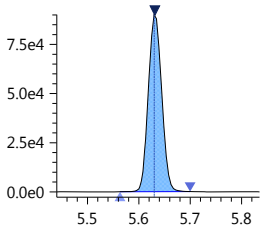


R1 662.90>169.00 (-) 4.32e4

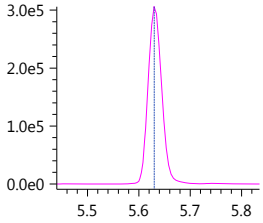


PFTeDA
Conc 0.5152
RT 5.631 Area 163524
R#1 339.97 (0.00)

Q 713.40>669.00 (-) 9.02e4

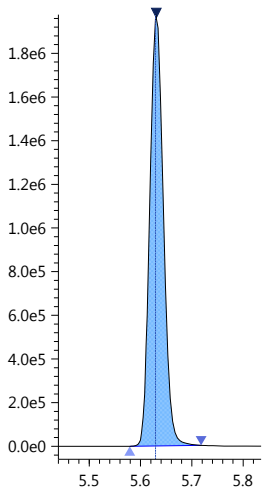


R1 713.40>169.10 (-) 3.06e5



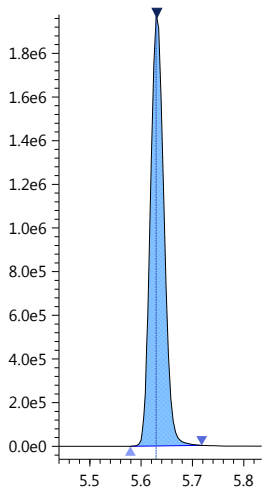
PFTeDA-13C
Conc 5.3300
RT 5.631 Area 3634243

Q 714.70>669.90 (-) 1.98e6



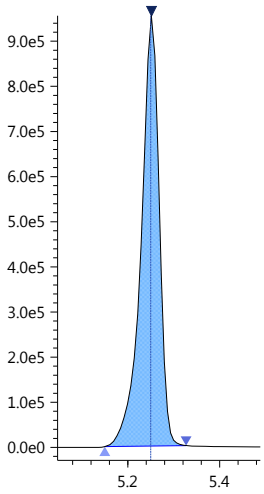
PFTeDA-13C_IS
Conc 5.0000
RT 5.631 Area 3634243

ISTD 714.70>669.90 (-) 1.98e6



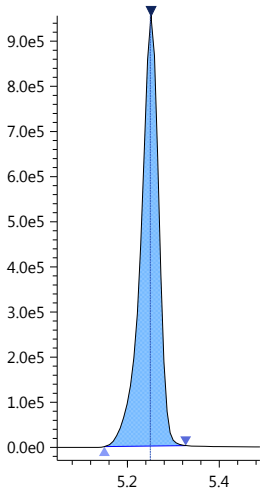
FOSA-13C_IS
Conc 5.0000
RT 5.252 Area 2614343

ISTD 506.00>78.05 (-) 9.57e5



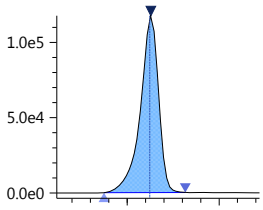
FOSA-13C
Conc 5.5099
RT 5.252 Area 2614343

Q 506.00>78.05 (-) 9.57e5

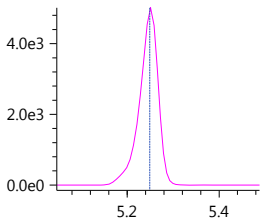


FOSA
Conc 0.4823
RT 5.251 Area 322712
R#1 4.26 (0.00)

Q 498.20>78.00 (-) 1.18e5



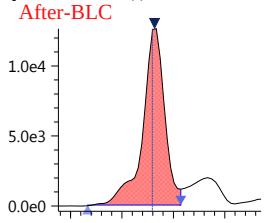
R1 498.20>64.10 (-) 5.02e3



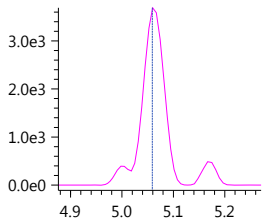
N-MeFOSAA
Conc 0.5751
RT 5.063 Area 37450
R#1 30.40 (0.00)

Q 570.20>419.00 (-) 1.27e4

After-BLC

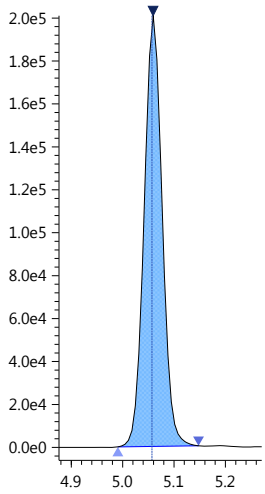


R1 570.20>512.00 (-) 3.69e3



N-MeFOSAA-d3
Conc 5.1162
RT 5.059 Area 490648

Q 572.80>419.05 (-) 2.01e5



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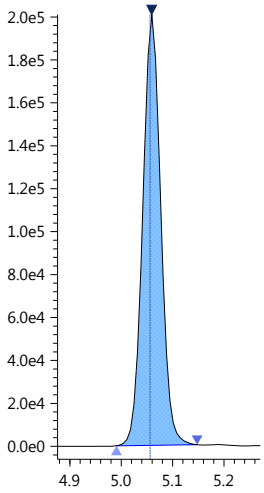
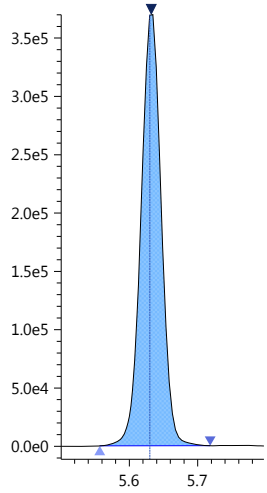
N-MeFOSAA-d3_IS
Conc 5.0000
RT 5.059 Area 490648

ISTD 572.80>419.05 (-) 2.01e5



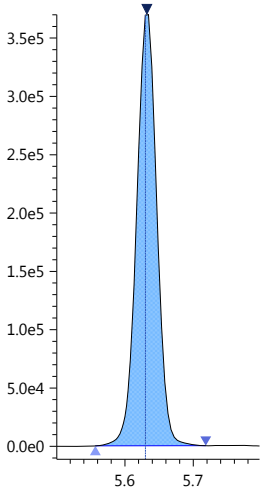
N-MeFOSA-d3_IS
Conc 5.0000
RT 5.632 Area 765010

ISTD 514.90>168.90 (-) 3.70e5



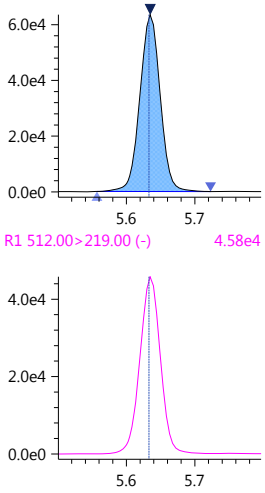
N-MeFOSA-d3
Conc 5.3330
RT 5.632 Area 765010

Q 514.90>168.90 (-) 3.70e5



N-MeFOSA
Conc 0.5007
RT 5.635 Area 130581
R#1 71.82 (0.00)

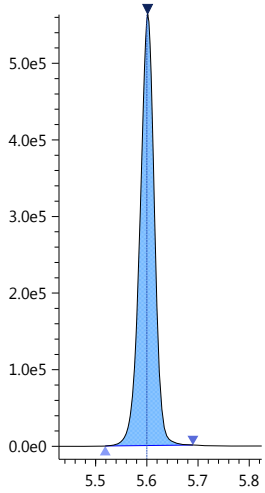
Q 512.00>169.10 (-) 6.36e4



R1 512.00>219.00 (-) 4.58e4

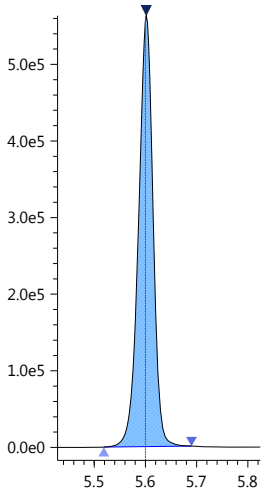
N-MeFOSE-d7
Conc 5.3758
RT 5.602 Area 1110227

Q 622.70>59.10 (-) 5.64e5



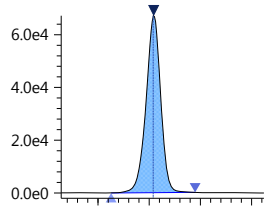
N-MeFOSE-d7_IS
Conc 5.0000
RT 5.602 Area 1110227

ISTD 622.70>59.10 (-) 5.64e5

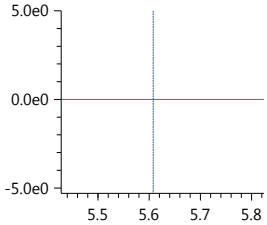


N-MeFOSE
Conc 0.5044
RT 5.609 Area 133875
R#1 0.00 (0.00)

Q 616.00>59.00 (-) 6.72e4



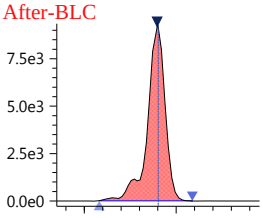
R1 556.00>121.20 (-) 0.00e0



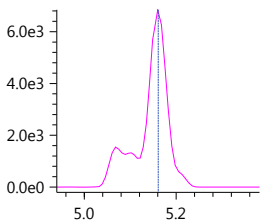
N-EtFOSAA
Conc 0.3943
RT 5.158 Area 24540
R#1 73.01 (0.00)

Q 584.20>418.95 (-) 9.35e3

After-BLC

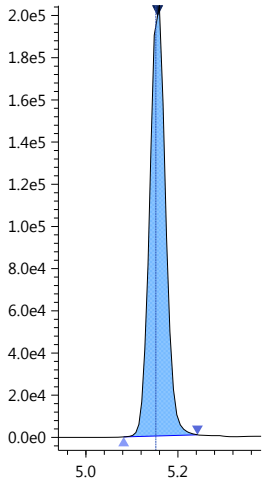


R1 584.20>526.10 (-) 6.85e3



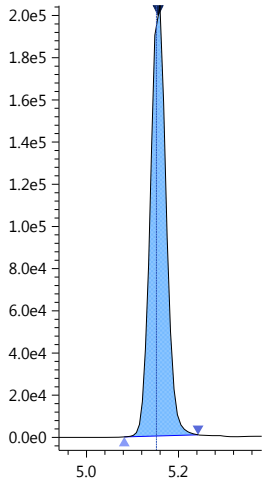
N-EtFOSAA-d5_IS
Conc 5.0000
RT 5.156 Area 492982

ISTD 588.80>419.00 (-) 2.05e5



N-EtFOSAA-d5
Conc 5.8372
RT 5.156 Area 492982

Q 588.80>419.00 (-) 2.05e5



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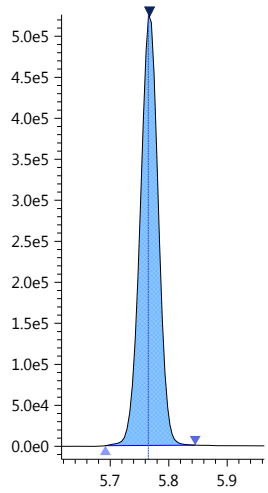
N-EtFOSA-d9_IS

Conc 5.0000
RT 5.767 Area 1136247

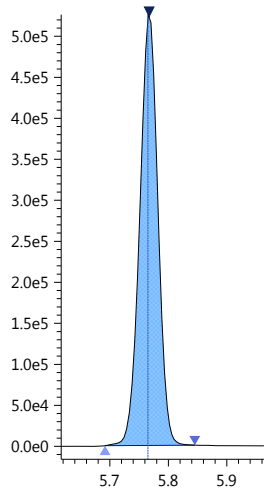
ISTD 530.90>169.15 (-) 5.26e5



N-EtFOSA-d9

Conc 5.3410
RT 5.767 Area 1136247

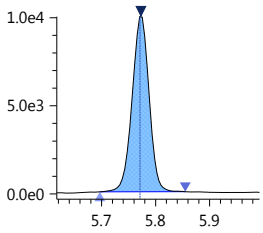
Q 530.90>169.15 (-) 5.26e5



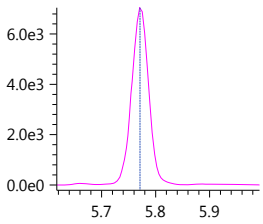
N-EtFOSA

Conc 0.4765
RT 5.773 Area 21824
R#1 70.44 (0.00)

Q 526.90>169.10 (-) 1.01e4



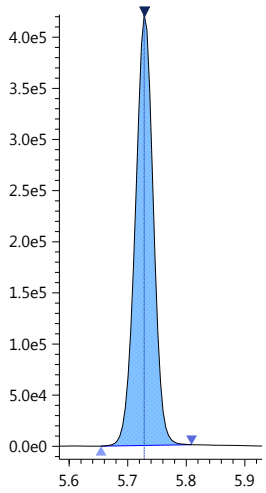
R1 526.90>219.00 (-) 7.05e3



N-EtFOSE-d9_IS

Conc 5.0000
RT 5.729 Area 906344

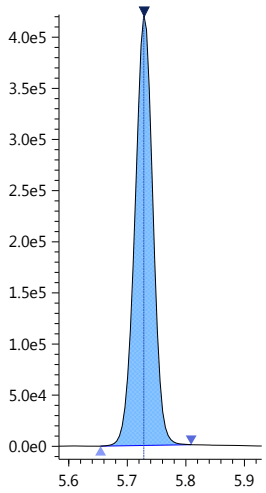
ISTD 638.70>59.10 (-) 4.22e5



N-EtFOSE-d9

Conc 5.3585
RT 5.729 Area 906344

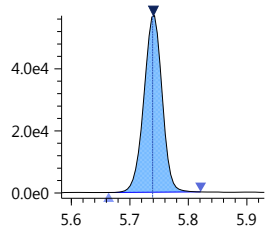
Q 638.70>59.10 (-) 4.22e5



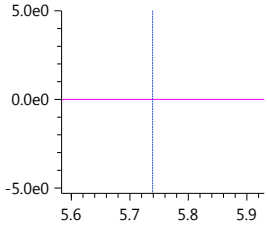
N-EtFOSE

Conc 0.5228
RT 5.740 Area 123864
R#1 0.00 (0.00)

Q 630.00>58.90 (-) 5.71e4



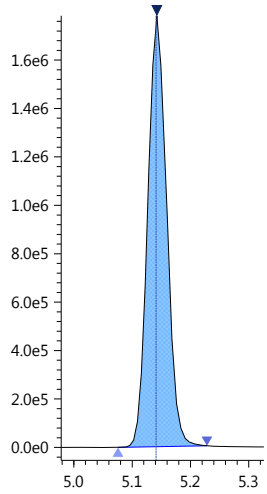
R1 570.00>136.10 (-) 0.00e0



13C7-PFUnDA_IS

Conc 5.0000
RT 5.142 Area 4011869

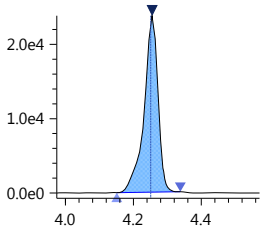
ISTD 570.00>525.00 (-) 1.78e6



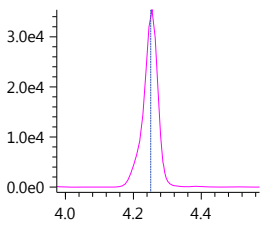
PFPeS

Conc 0.4033
RT 4.255 Area 67486
R#1 149.21 (0.00)

Q 349.00>99.00 (-) 2.39e4



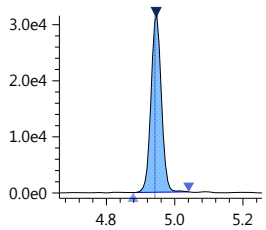
R1 349.00>79.95 (-) 3.54e4



PFNS

Conc 0.4724
RT 4.946 Area 66617
R#1 129.59 (0.00)

Q 549.00>99.00 (-) 3.16e4



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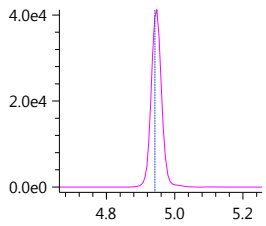

Insight Report

Printed at 6/19/2019 8:39:19 AM

190618_030

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Date acquired: 6/18/2019 3:54:26 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190618_b1\190618_030.lcd
Vial: 30 | Inj. Volume: 15.0000uL | Tray: 1

PFBA-13C_IS
Conc 5.0000
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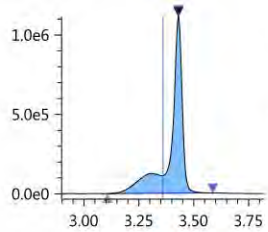
ISTD 216.90>172.15 (-) 1.12e6



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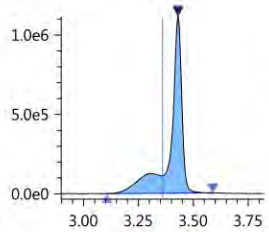

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Conc 0.5254
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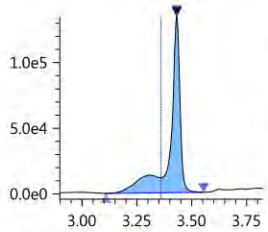
Q 213.00>169.10 (-) 1.35e5



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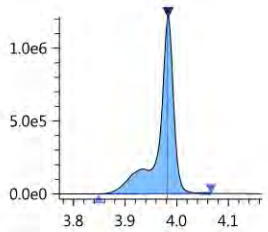

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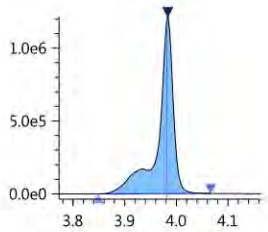
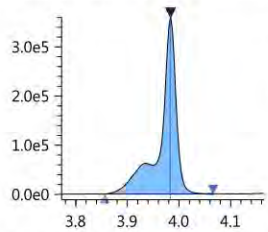


PFPeA
Conc 0.4095
RT 3.983 Area 760430
Q 263.05>219.10 (-) 3.61e5



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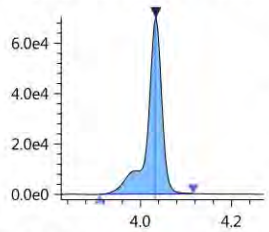
Conc 0.4329
RT 4.034 Area 154204
Q 299.00>80.00 (-) 7.03e4



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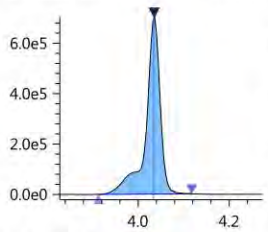
RT 4.035 Area 1521497
Q 301.80>80.00 (-) 7.03e5



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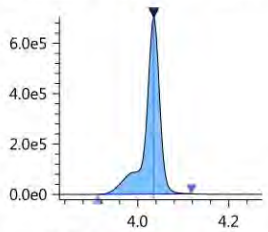

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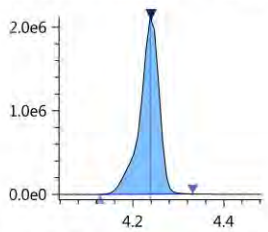

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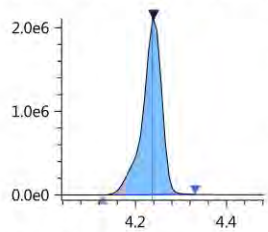

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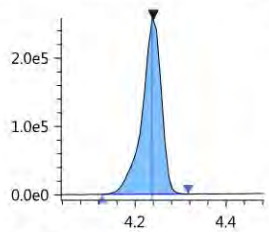
Q 313.00>269.00 (-) 2.59e5



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Conc 0.5096
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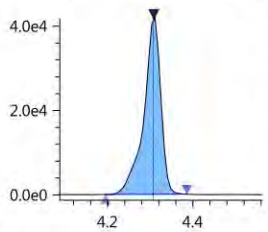
Q 329.00>169.00 (-) 4.20e4



HFPO_DA-13C_IS
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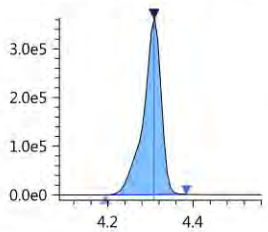
ISTD 332.00>286.80 (-) 3.64e5



HFPO_DA-13C
Conc 4.9623
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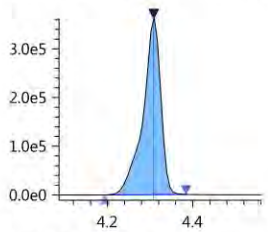
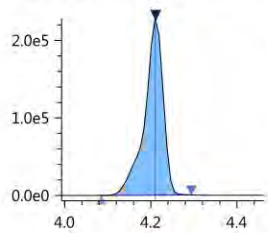


4_2-FTS-13C_IS
Conc 5.0000
RT 4.211 Area 678191
ISTD 328.80>309.05 (-) 2.29e5



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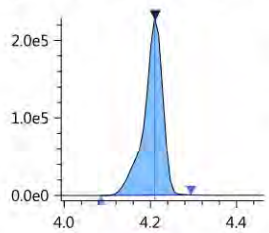

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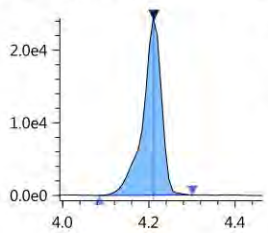

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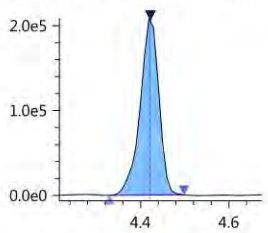

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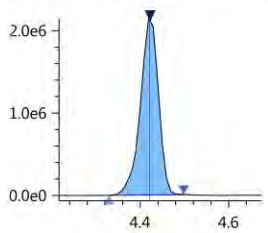

Insight Report

Printed at 6/19/2019 8:39:19 AM

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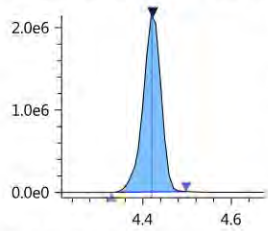
Q 366.90>322.10 (-) 2.15e6



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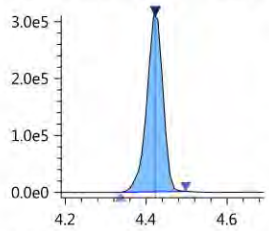
ISTD 402.70>84.05 (-) 3.11e5



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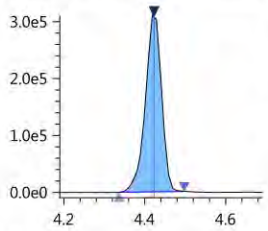

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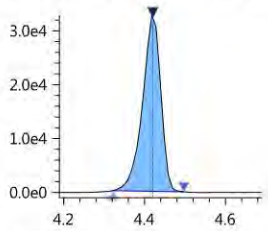
Q 399.00>80.00 (-) 3.29e4



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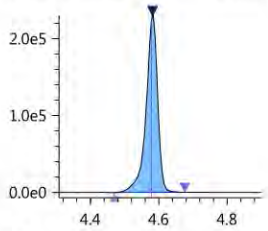
Conc 5.3192
RT 4.582 Area 539456
Q 428.90>409.00 (-) 2.31e5



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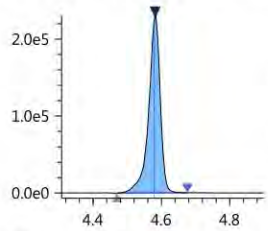

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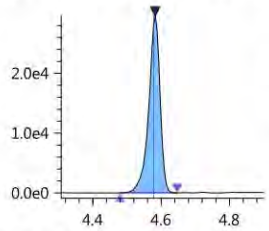

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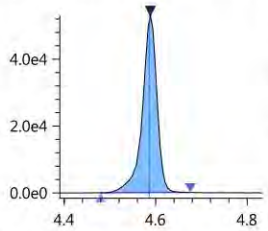

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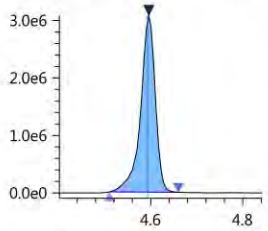

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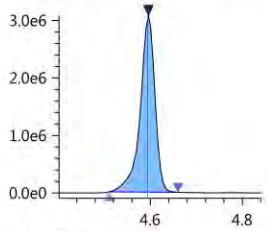

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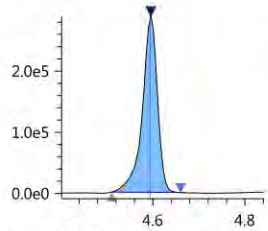

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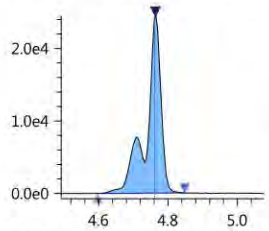
Q 499.00>80.00 (-) 2.45e4



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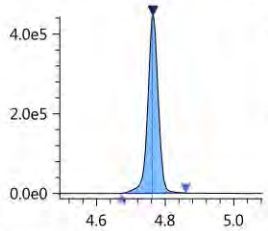

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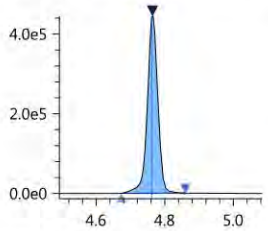
Q 502.80>80.05 (-) 4.45e5



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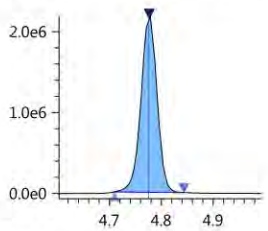
Conc 5.0000
RT 4.777 Area 4709516
ISTD 467.80>423.00 (-) 2.19e6



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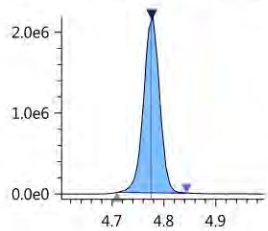

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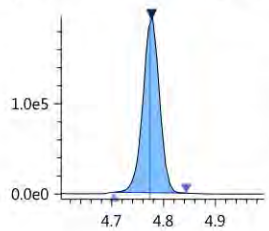
RT 4.777 Area 432906
Q 463.00>418.90 (-) 1.97e5



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Conc 5.0000
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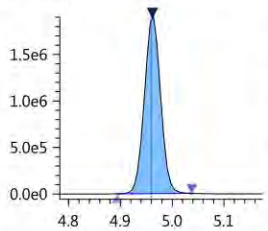
ISTD 514.80>469.95 (-) 1.91e6



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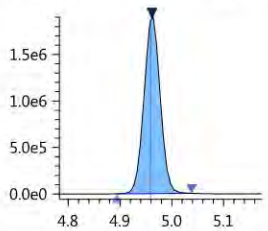

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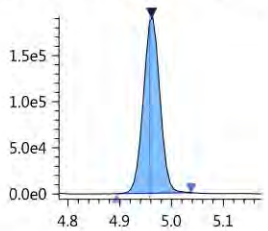
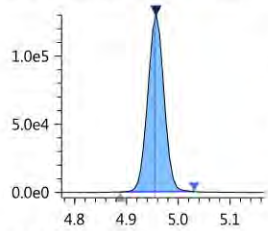
Q 513.00>468.80 (-) 1.92e5



Insight Report

Printed at 6/19/2019 8:39:19 AM

8_2-FTS-13C_IS
Conc 5.0000
RT 4.957 Area 284428
ISTD 528.80>509.00 (-) 1.30e5



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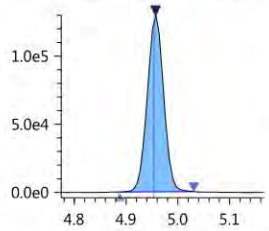

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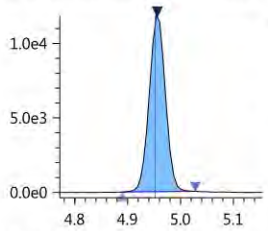

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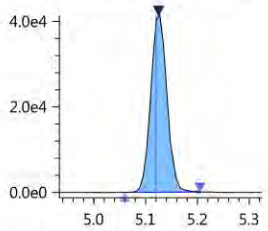

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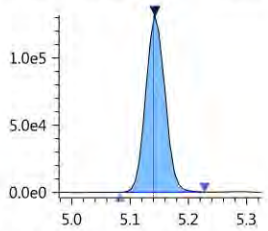

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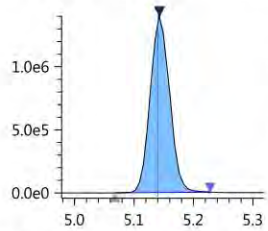

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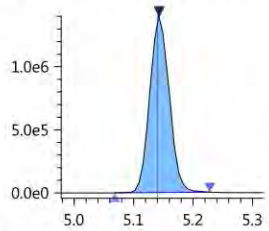

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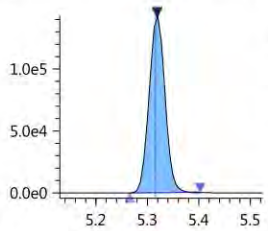

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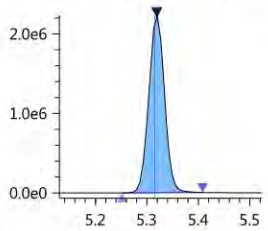

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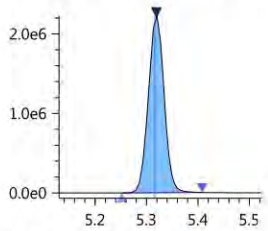

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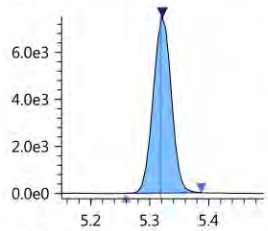

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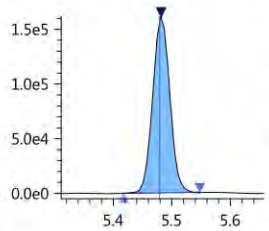

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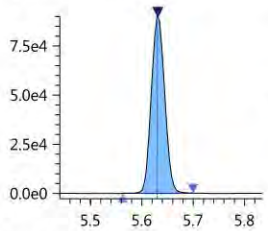

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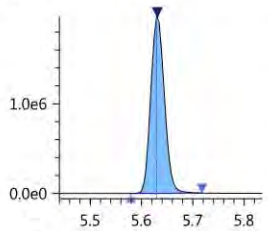
Q 714.70>669.90 (-) 1.98e6



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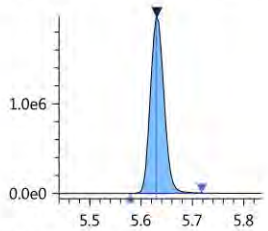

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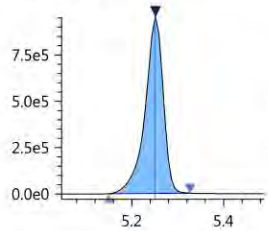

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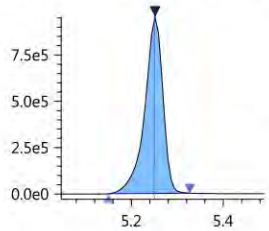

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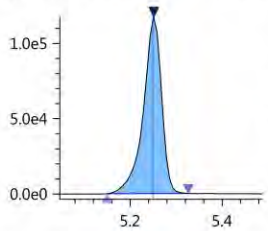

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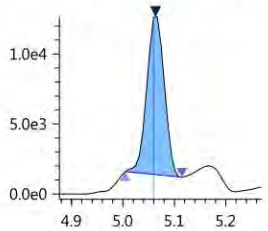

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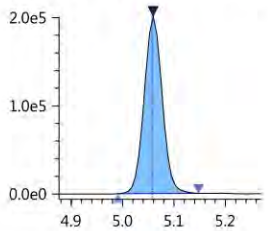

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Printed at 6/19/2019 8:39:19 AM

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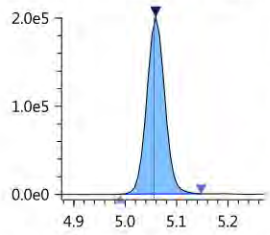

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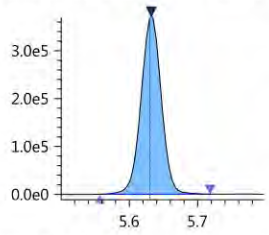

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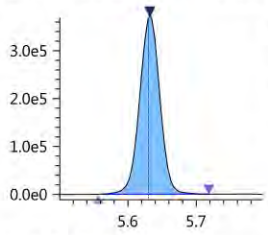

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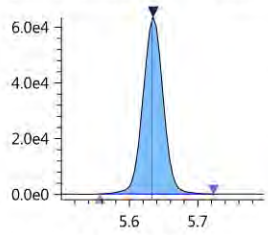

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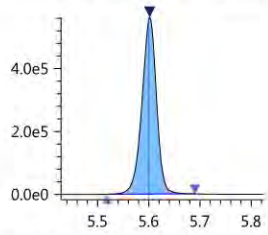
Q 622.70>59.10 (-) 5.64e5



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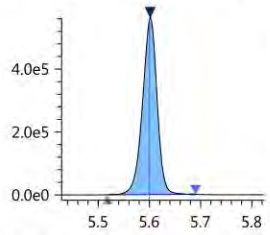

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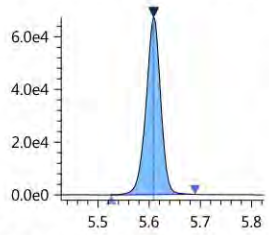
RT 5.609 Area 133875
Q 616.00>59.00 (-) 6.72e4



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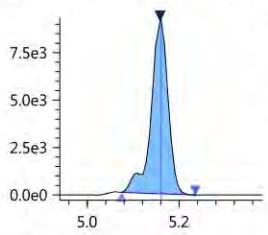

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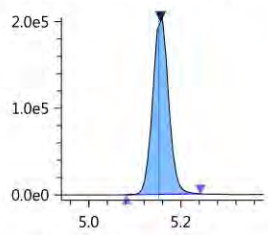

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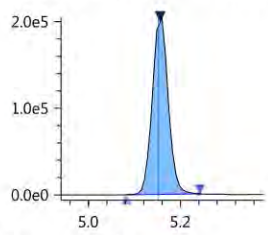

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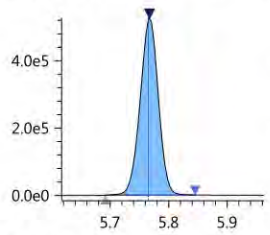

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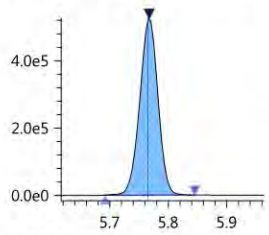

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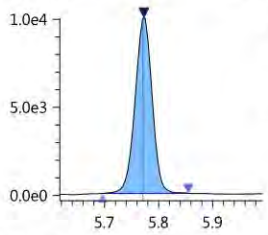

N-EtFOSE-d9_IS
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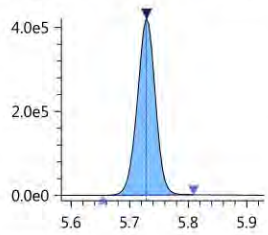

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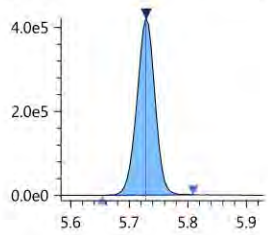

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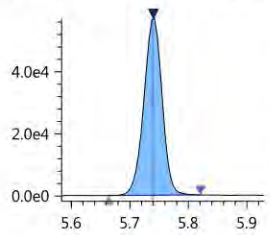

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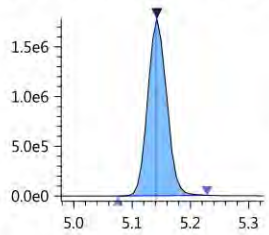

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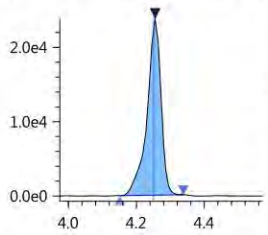

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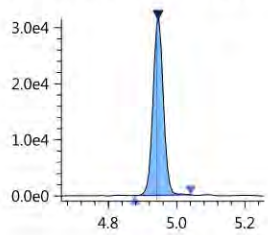

Insight Report

Printed at 6/19/2019 1:07:21 PM

190618_031

Sample ID: 1.0 PPB ICAL
Date acquired: 6/18/2019 4:04:56 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190618_b1\190618_031.lcd
Vial: 31 | Inj. Volume: 15.0000uL | Tray: 1

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
PFBA-13C_IS	Auto	3.427	4221968	4221968	2	5.0000	ng/mL	5.0000
PFBA-13C	Auto	3.427	4221968	4731342	26	4.6745	ng/mL	5.0000
PFBA	Auto	3.428	852048	4221968	2	0.9883	ng/mL	1.0000
PFPeA-13C_IS	Auto	3.981	2627477	2627477	4	5.0000	ng/mL	5.0000
PFPeA-13C	Auto	3.981	2627477	4731342	26	4.8006	ng/mL	5.0000
PFPeA	Auto	3.981	1389542	2627477	4	0.9755	ng/mL	1.0000
PFBS_1	Auto	4.031	311181	1530977	16	0.8661	ng/mL	0.8874
PFBS-13C	Auto	4.033	1530977	4731342	26	4.6352	ng/mL	5.0000
PFBS-13C_IS	Auto	4.033	1530977	1530977	16	5.0000	ng/mL	5.0000
PFHxA-13C_IS	Auto	4.237	5821530	5821530	6	5.0000	ng/mL	5.0000
PFHxA-13C	Auto	4.237	5821530	4731342	26	4.7184	ng/mL	5.0000
PFHxA	Auto	4.237	1316561	5821530	6	0.9736	ng/mL	1.0000
HPFO_DA	Auto	4.307	255072	1199190	3	0.9724	ng/mL	1.0000
HFPO_DA-13C_IS	Auto	4.306	1199190	1199190	3	5.0000	ng/mL	5.0000
HFPO_DA-13C	Auto	4.306	1199190	4731342	26	4.8314	ng/mL	5.0000
4_2-FTS-13C_IS	Auto	4.208	695944	695944	5	5.0000	ng/mL	5.0000
4_2-FTS-13C	Auto	4.208	695944	4731342	26	4.5292	ng/mL	5.0000
4_2-FTS_1	Auto	4.207	140374	695944	5	0.8957	ng/mL	0.9372
PFHpA	Auto	4.420	1051516	5734104	8	0.9604	ng/mL	1.0000
PFHpA-13C_IS	Auto	4.420	5734104	5734104	8	5.0000	ng/mL	5.0000
PFHpA-13C	Auto	4.420	5734104	4731342	26	4.7913	ng/mL	5.0000
PFHxS-18O_IS	Auto	4.422	768393	768393	7	5.0000	ng/mL	5.0000
PFHxS-18O	Auto	4.422	768393	4731342	26	4.5239	ng/mL	5.0000
PFHxS_1	Auto	4.419	187875	768393	7	0.9062	ng/mL	0.9131
6_2-FTS-13C	Auto	4.580	589378	4731342	26	4.9277	ng/mL	5.0000
6_2-FTS-13C_IS	Auto	4.580	589378	589378	10	5.0000	ng/mL	5.0000
6_2-FTS_1	Auto	4.579	132881	589378	10	0.9129	ng/mL	0.9512
PFHpS_1	Auto	4.586	249652	768393	7	1.0017	ng/mL	0.9534
PFOA-13C_IS	Auto	4.594	7278992	7278992	9	5.0000	ng/mL	5.0000
PFOA-13C	Auto	4.594	7278992	4731342	26	5.0118	ng/mL	5.0000
PFOA	Auto	4.594	1302209	7278992	9	0.9675	ng/mL	1.0000
PFOS_1	Auto	4.762	156312	1039035	13	0.9013	ng/mL	0.9292
PFOS-13C_IS	Auto	4.762	1039035	1039035	13	5.0000	ng/mL	5.0000
PFOS-13C	Auto	4.762	1039035	4731342	26	4.8734	ng/mL	5.0000
PFNA-13C_IS	Auto	4.775	4578408	4578408	11	5.0000	ng/mL	5.0000
PFNA-13C	Auto	4.775	4578408	4731342	26	4.6942	ng/mL	5.0000
PFNA	Auto	4.775	837486	4578408	11	1.0021	ng/mL	1.0000
PFDA-13C_IS	Auto	4.959	4361331	4361331	12	5.0000	ng/mL	5.0000
PFDA-13C	Auto	4.959	4361331	4731342	26	4.7749	ng/mL	5.0000
PFDA	Auto	4.959	869617	4361331	12	0.9794	ng/mL	1.0000
8_2-FTS-13C_IS	Auto	4.954	316896	316896	15	5.0000	ng/mL	5.0000
8_2-FTS-13C	Auto	4.954	316896	4731342	26	4.7691	ng/mL	5.0000
8_2-FTS_1	Auto	4.953	46760	316896	15	0.9669	ng/mL	0.9600
PFDS_1	Auto	5.121	153204	1039035	13	0.8202	ng/mL	0.9647
PFUnA	Auto	5.140	656574	3859704	14	0.9573	ng/mL	1.0000
PFUnA-13C_IS	Auto	5.140	3859704	3859704	14	5.0000	ng/mL	5.0000
PFUnA-13C	Auto	5.140	3859704	4731342	26	5.1427	ng/mL	5.0000
PFDoA	Auto	5.316	584883	4936032	17	0.9507	ng/mL	1.0000
PFDoA-13C	Auto	5.316	4936032	4731342	26	4.6758	ng/mL	5.0000
PFDoA-13C_IS	Auto	5.316	4936032	4936032	17	5.0000	ng/mL	5.0000
10_2-FtS_1	Auto	5.318	32682	316896	15	0.9684	ng/mL	0.9662
PFTrDA	Auto	5.479	689902	3932726	22	0.9029	ng/mL	1.0000
PFTeDA	Auto	5.629	298336	3932726	22	0.9699	ng/mL	1.0000
PFTeDA-13C	Auto	5.629	3932726	4731342	26	4.8907	ng/mL	5.0000
PFTeDA-13C_IS	Auto	5.629	3932726	3932726	22	5.0000	ng/mL	5.0000
FOSA-13C_IS	Auto	5.249	2611163	2611163	18	5.0000	ng/mL	5.0000
FOSA-13C	Auto	5.249	2611163	4731342	26	4.6664	ng/mL	5.0000
FOSA	Auto	5.249	639069	2611163	18	0.9563	ng/mL	1.0000
N-MeFOSAA	M	5.059	67819	542755	19	0.9415	ng/mL	1.0000
N-MeFOSAA-d3	Auto	5.057	542755	4731342	26	4.7989	ng/mL	5.0000
N-MeFOSAA-d3_IS	Auto	5.057	542755	542755	19	5.0000	ng/mL	5.0000
N-MeFOSA-d3_IS	Auto	5.630	795973	795973	1	5.0000	ng/mL	5.0000
N-MeFOSA-d3	Auto	5.630	795973	4731342	26	4.7051	ng/mL	5.0000
N-MeFOSA	Auto	5.633	261616	795973	1	0.9641	ng/mL	1.0000
N-MeFOSE-d7	Auto	5.600	1141116	4731342	26	4.6851	ng/mL	5.0000
N-MeFOSE-d7_IS	Auto	5.600	1141116	1141116	20	5.0000	ng/mL	5.0000
N-MeFOSE	Auto	5.608	267870	1141116	20	0.9820	ng/mL	1.0000
N-EtFOSAA	M	5.159	61857	457412	21	1.0710	ng/mL	1.0000

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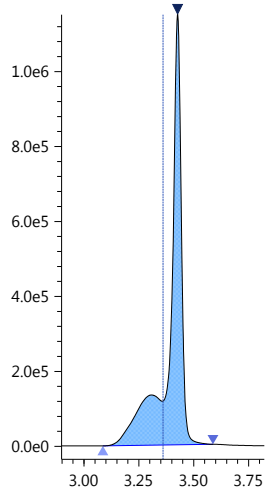
(Table continued from previous page)

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
N-EtFOSAA-d5_IS	Auto	5.153	457412	457412	21	5.0000	ng/mL	5.0000
N-EtFOSAA-d5	Auto	5.153	457412	4731342	26	4.5925	ng/mL	5.0000
N-EtFOSA-d9_IS	Auto	5.766	1190875	1190875	23	5.0000	ng/mL	5.0000
N-EtFOSA-d9	Auto	5.766	1190875	4731342	26	4.7465	ng/mL	5.0000
N-EtFOSA	Auto	5.771	45669	1190875	23	0.9513	ng/mL	1.0000
N-EtFOSE-d9_IS	Auto	5.728	919295	919295	24	5.0000	ng/mL	5.0000
N-EtFOSE-d9	Auto	5.728	919295	4731342	26	4.6086	ng/mL	5.0000
N-EtFOSE	Auto	5.739	236673	919295	24	0.9848	ng/mL	1.0000
13C7-PFUnDA_IS	Auto	5.140	4731342	4731342	26	5.0000	ng/mL	5.0000
PFPeS	Auto	4.251	153126	1530977	16	0.9095	ng/mL	0.9409
PFNS	Auto	4.943	139582	1039035	13	0.9009	ng/mL	0.9616

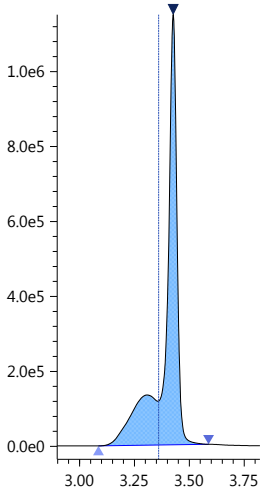
PFBA-13C_IS

Conc 5.0000
RT 3.427 Area 4221968
ISTD 216.90>172.15 (-) 1.15e6



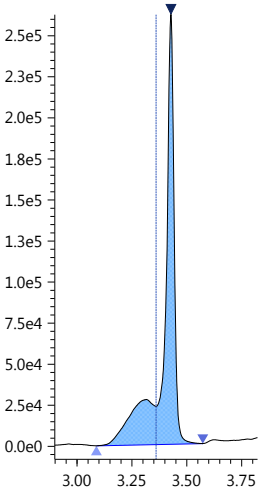
PFBA-13C

Conc 4.6745
RT 3.427 Area 4221968
Q 216.90>172.15 (-) 1.15e6



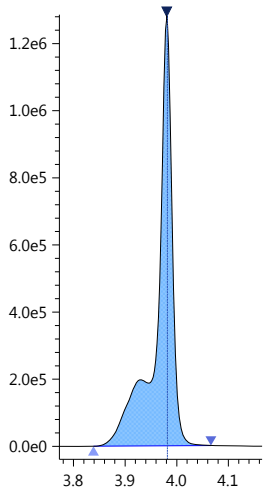
PFBA

Conc 0.9883
RT 3.428 Area 852048
Q 213.00>169.10 (-) 2.63e5



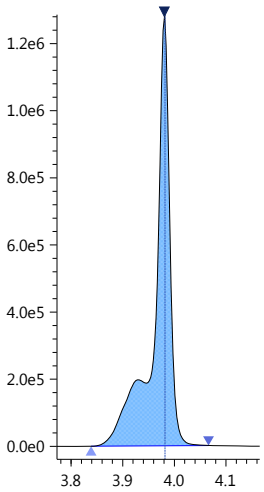
PFPeA-13C_IS

Conc 5.0000
RT 3.981 Area 2627477
ISTD 267.90>223.00 (-) 1.29e6



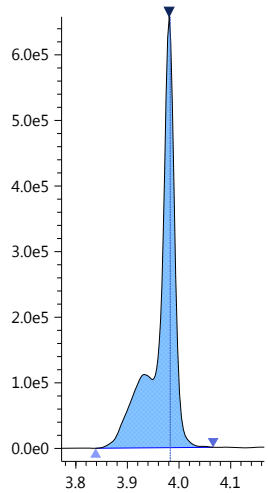
PFPeA-13C

Conc 4.8006
RT 3.981 Area 2627477
Q 267.90>223.00 (-) 1.29e6



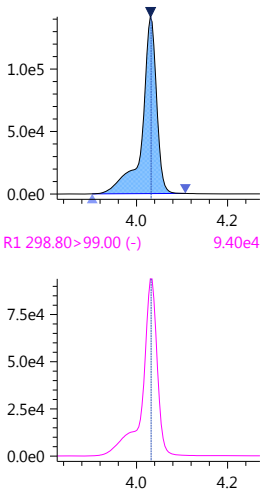
PFPeA

Conc 0.9755
RT 3.981 Area 1389542
Q 263.05>219.10 (-) 6.58e5



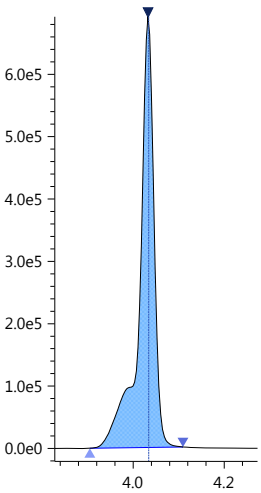
PFBS_1

Conc 0.8661
RT 4.031 Area 311181
R#1 66.04 (0.00)
Q 299.00>80.00 (-) 1.42e5



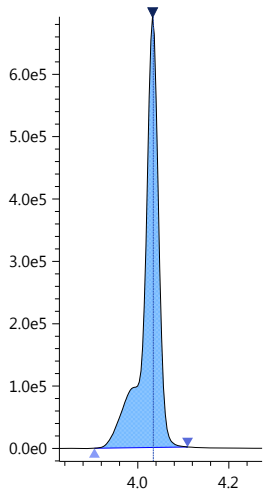
PFBS-13C

Conc 4.6352
RT 4.033 Area 1530977
Q 301.80>80.00 (-) 6.92e5



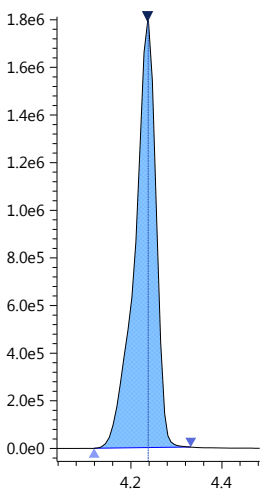
PFBS-13C_IS

Conc 5.0000
RT 4.033 Area 1530977
ISTD 301.80>80.00 (-) 6.92e5



PFHxA-13C_IS

Conc 5.0000
RT 4.237 Area 5821530
ISTD 314.90>270.10 (-) 1.81e6



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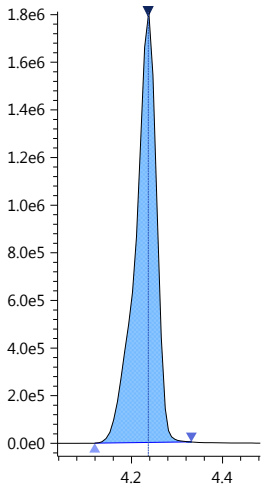
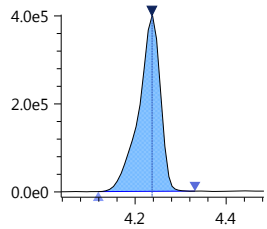
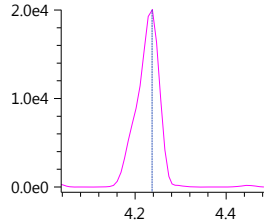
PFHxA-13C
Conc 4.7184
RT 4.237 Area 5821530
Q 314.90>270.10 (-) 1.81e6



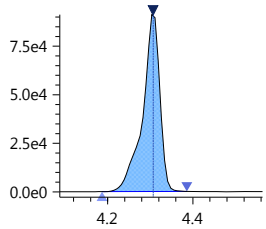
PFHxA
Conc 0.9736
RT 4.237 Area 1316561
R#1 4.99 (0.00)
Q 313.00>269.00 (-) 4.03e5



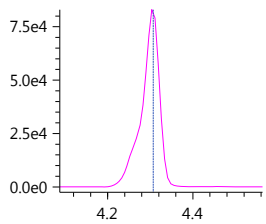
R1 313.00>119.10 (-) 2.00e4



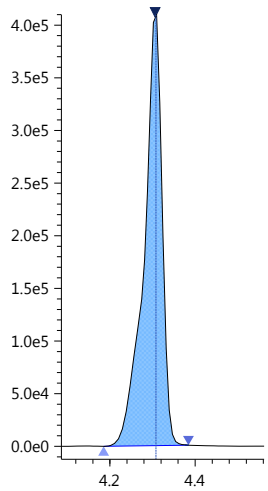
HPFO_DA
Conc 0.9724
RT 4.307 Area 255072
R#1 90.84 (0.00)
Q 329.00>169.00 (-) 9.13e4



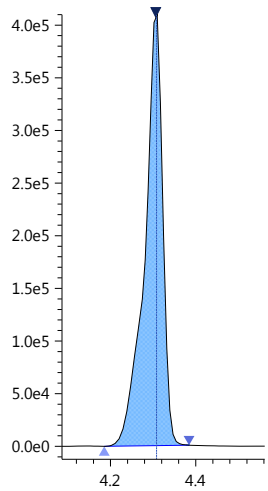
R1 329.00>285.10 (-) 8.30e4



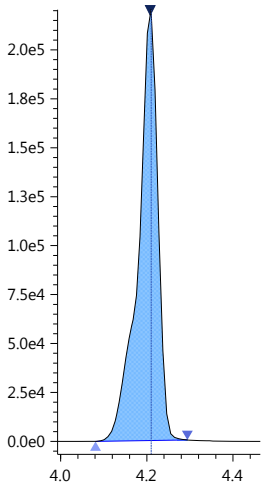
HFPO_DA-13C_IS
Conc 5.0000
RT 4.306 Area 1199190
ISTD 332.00>286.80 (-) 4.10e5



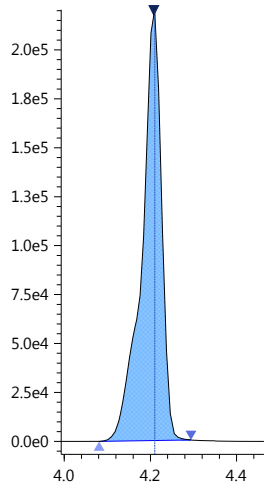
HFPO_DA-13C
Conc 4.8314
RT 4.306 Area 1199190
Q 332.00>286.80 (-) 4.10e5



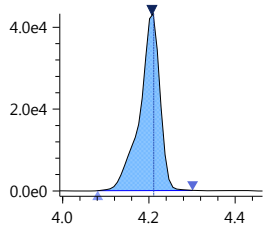
4_2-FTS-13C_IS
Conc 5.0000
RT 4.208 Area 695944
ISTD 328.80>309.05 (-) 2.21e5



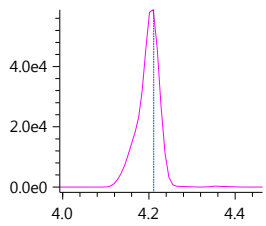
4_2-FTS-13C
Conc 4.5292
RT 4.208 Area 695944
Q 328.80>309.05 (-) 2.21e5



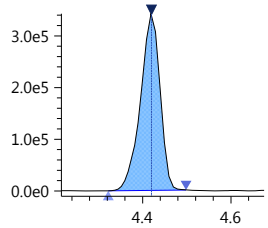
4_2-FTS_1
Conc 0.8957
RT 4.207 Area 140374
R#1 138.07 (0.00)
Q 327.00>307.05 (-) 4.33e4



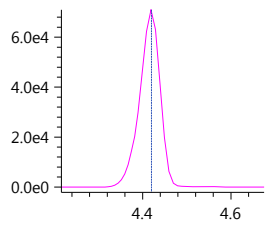
R1 327.00>81.10 (-) 5.88e4



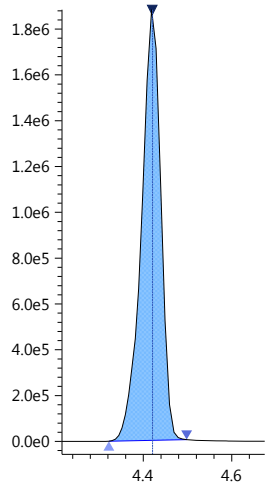
PFHpA
Conc 0.9604
RT 4.420 Area 1051516
R#1 20.77 (0.00)
Q 362.90>319.00 (-) 3.43e5



R1 362.90>169.00 (-) 7.10e4



PFHpA-13C_IS
Conc 5.0000
RT 4.420 Area 5734104
ISTD 366.90>322.10 (-) 1.88e6



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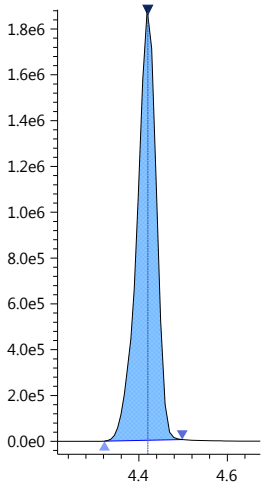
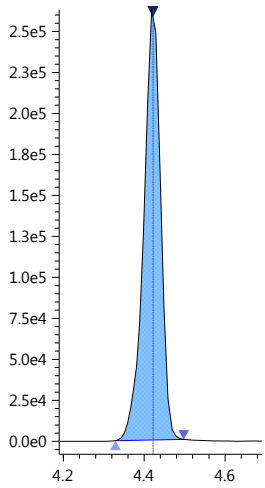
PFHpA-13C
Conc 4.7913
RT 4.420 Area 5734104

Q 366.90>322.10 (-) 1.88e6



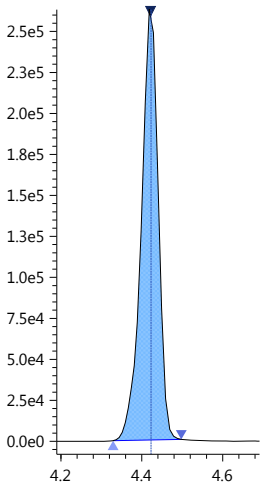
PFHxS-18O_IS
Conc 5.0000
RT 4.422 Area 768393

ISTD 402.70>84.05 (-) 2.63e5



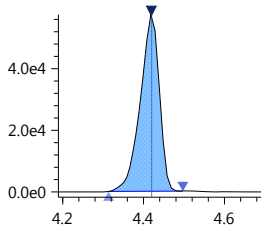
PFHxS-18O
Conc 4.5239
RT 4.422 Area 768393

Q 402.70>84.05 (-) 2.63e5

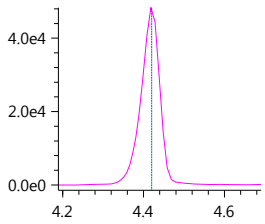


PFHxS_1
Conc 0.9062
RT 4.419 Area 187875
R#1 83.40 (0.00)

Q 399.00>80.00 (-) 5.75e4

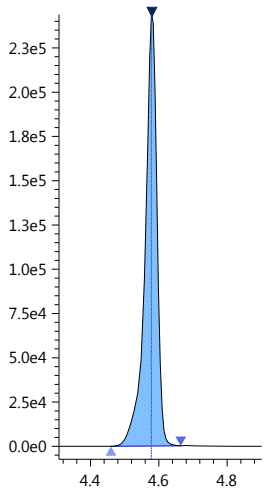


R1 399.00>99.00 (-) 4.83e4



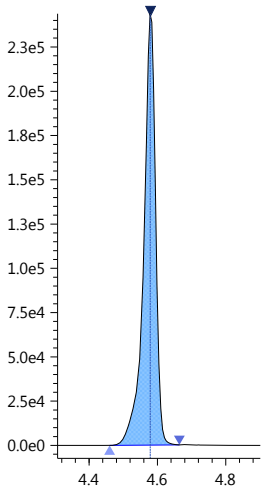
6_2-FTS-13C
Conc 4.9277
RT 4.580 Area 589378

Q 428.90>409.00 (-) 2.44e5



6_2-FTS-13C_IS
Conc 5.0000
RT 4.580 Area 589378

ISTD 428.90>409.00 (-) 2.44e5



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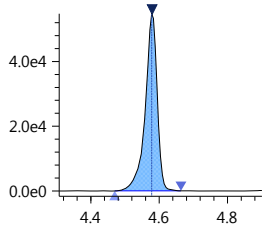
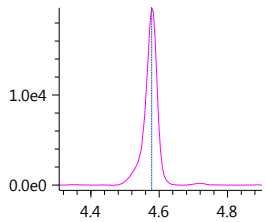
Conc 0.9129
RT 4.579 Area 132881
R#1 36.02 (0.00)

Q 427.00>407.00 (-) 5.48e4

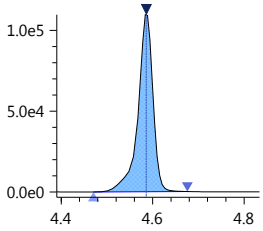


R1 427.00>80.90 (-) 1.97e4

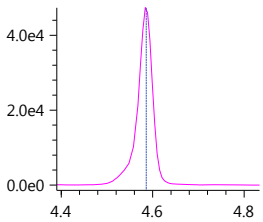


PFHpS_1
Conc 1.0017
RT 4.586 Area 249652
R#1 43.30 (0.00)

Q 449.00>80.15 (-) 1.10e5

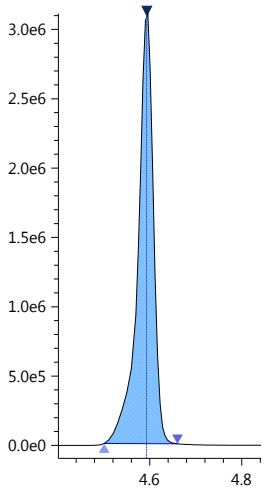


R1 449.00>99.20 (-) 4.73e4



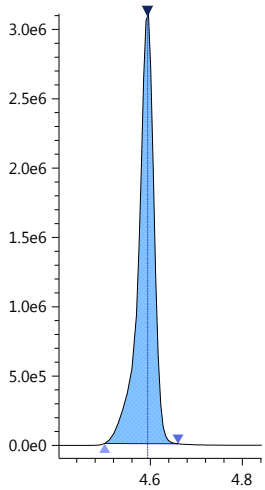
PFOA-13C_IS
Conc 5.0000
RT 4.594 Area 7278992

ISTD 416.80>372.05 (-) 3.11e6



PFOA-13C
Conc 5.0118
RT 4.594 Area 7278992

Q 416.80>372.05 (-) 3.11e6



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PFOA
Conc 0.9675
RT 4.594 Area 1302209
R#1 39.88 (0.00)
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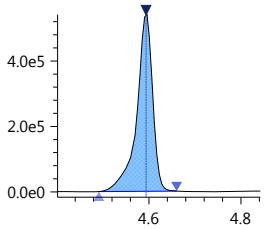
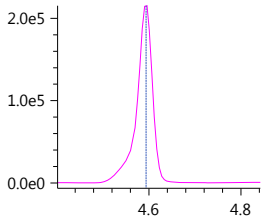
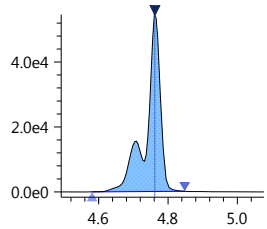


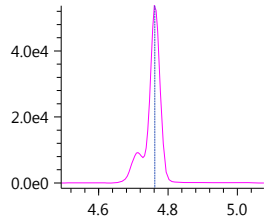
R1 413.00>169.10 (-) 2.15e5



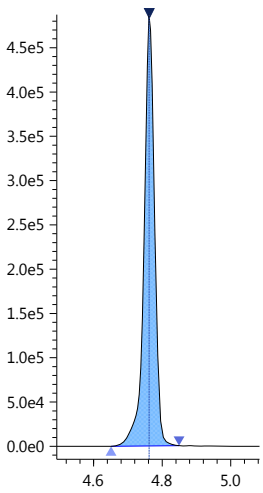
PFOS_1
Conc 0.9013
RT 4.762 Area 156312
R#1 96.95 (0.00)
Q 499.00>80.00 (-) 5.46e4



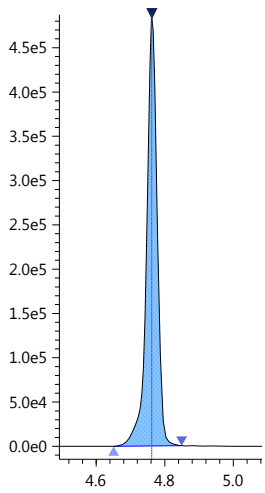
R1 499.00>99.00 (-) 5.37e4



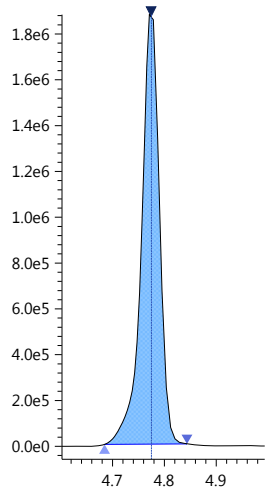
PFOS-13C_IS
Conc 5.0000
RT 4.762 Area 1039035
ISTD 502.80>80.05 (-) 4.87e5



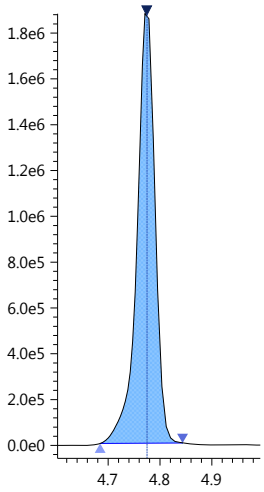
PFOS-13C
Conc 4.8734
RT 4.762 Area 1039035
Q 502.80>80.05 (-) 4.87e5



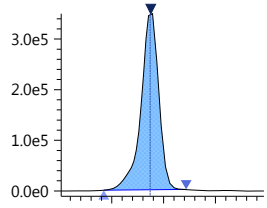
PFNA-13C_IS
Conc 5.0000
RT 4.775 Area 4578408
ISTD 467.80>423.00 (-) 1.88e6



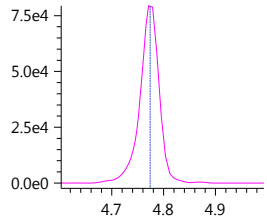
PFNA-13C
Conc 4.6942
RT 4.775 Area 4578408
Q 467.80>423.00 (-) 1.88e6



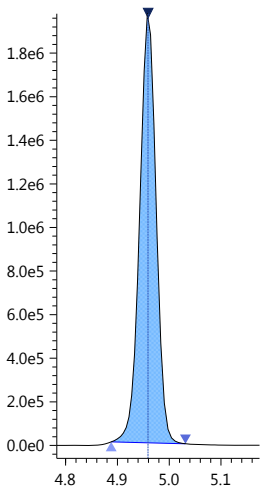
PFNA
Conc 1.0021
RT 4.775 Area 837486
R#1 22.54 (0.00)
Q 463.00>418.90 (-) 3.50e5



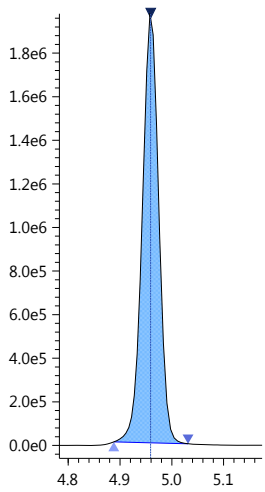
R1 463.00>219.00 (-) 7.94e4



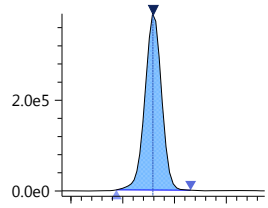
PFDA-13C_IS
Conc 5.0000
RT 4.959 Area 4361331
ISTD 514.80>469.95 (-) 1.98e6



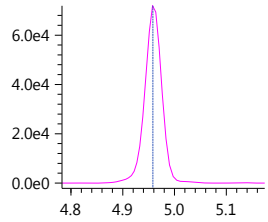
PFDA-13C
Conc 4.7749
RT 4.959 Area 4361331
Q 514.80>469.95 (-) 1.98e6



PFDA
Conc 0.9794
RT 4.959 Area 869617
R#1 18.53 (0.00)
Q 513.00>468.80 (-) 3.91e5



R1 513.00>219.10 (-) 7.19e4



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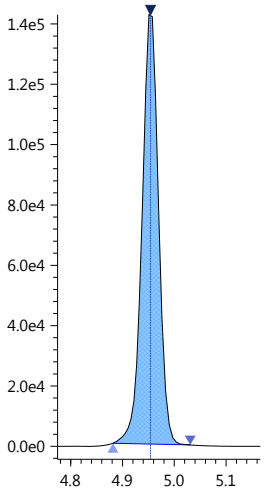
8_2-FTS-13C_IS

Conc 5.0000
RT 4.954 Area 316896

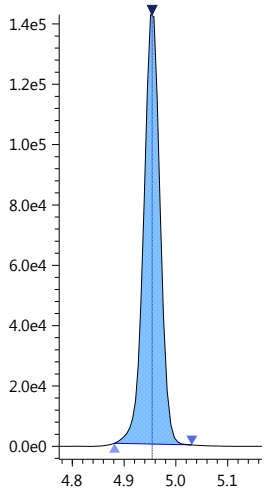
ISTD 528.80>509.00 (-) 1.43e5



8_2-FTS-13C

Conc 4.7691
RT 4.954 Area 316896

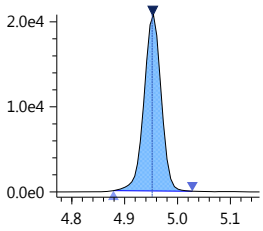
Q 528.80>509.00 (-) 1.43e5



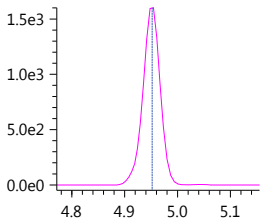
8_2-FTS_1

Conc 0.9669
RT 4.953 Area 46760
R#1 7.69 (0.00)

Q 527.10>506.90 (-) 2.08e4



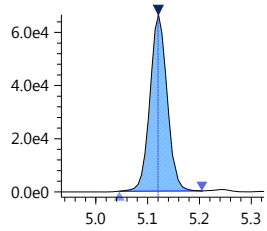
R1 527.20>487.00 (-) 1.60e3



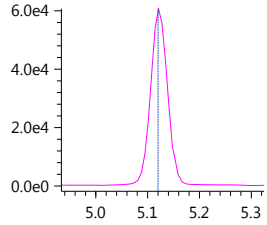
PFDS_1

Conc 0.8202
RT 5.121 Area 153204
R#1 90.94 (0.00)

Q 599.00>79.90 (-) 6.67e4



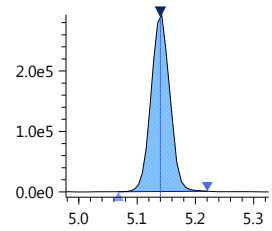
R1 599.00>99.10 (-) 6.07e4



PFUnA

Conc 0.9573
RT 5.140 Area 656574
R#1 15.41 (0.00)

Q 563.00>518.90 (-) 2.93e5



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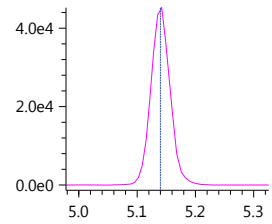
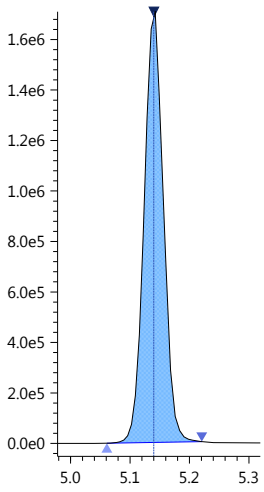


PFUnA-13C_IS

Conc 5.0000
RT 5.140 Area 3859704

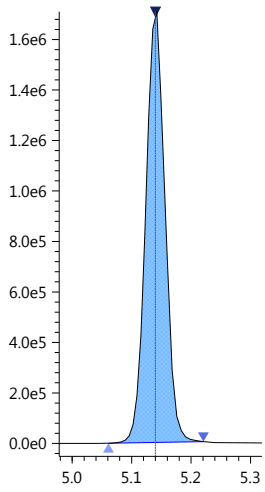
ISTD 564.80>519.95 (-) 1.71e6



PFUnA-13C

Conc 5.1427
RT 5.140 Area 3859704

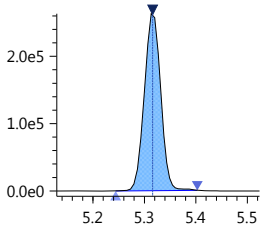
Q 564.80>519.95 (-) 1.71e6



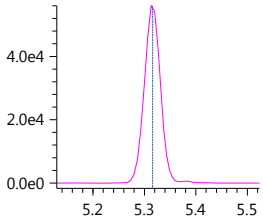
PFDoA

Conc 0.9507
RT 5.316 Area 584883
R#1 21.33 (0.00)

Q 613.05>569.00 (-) 2.63e5



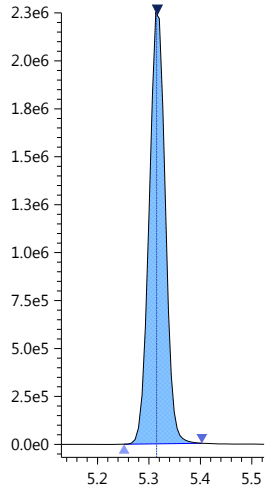
R1 613.05>169.00 (-) 5.60e4



PFDoA-13C

Conc 4.6758
RT 5.316 Area 4936032

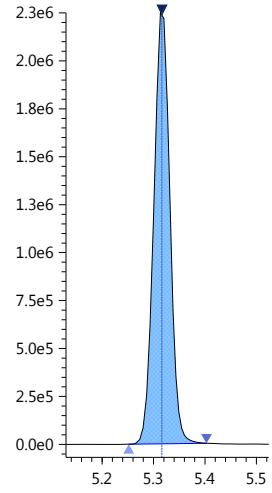
Q 614.80>569.95 (-) 2.25e6



PFDoA-13C_IS

Conc 5.0000
RT 5.316 Area 4936032

ISTD 614.80>569.95 (-) 2.25e6



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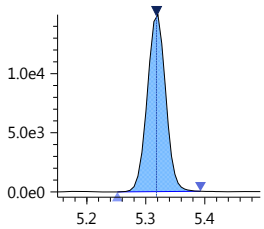
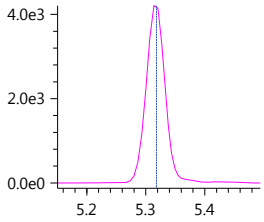
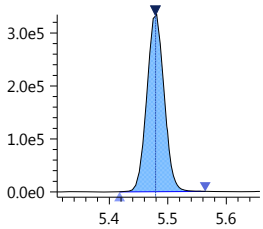
10_2-FtS_1
Conc 0.9684
RT 5.318 Area 32682
R#1 27.60 (0.00)
Q 627.00>606.95 (-) 1.50e4



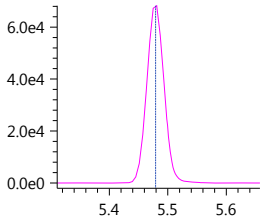
R1 627.00>81.25 (-) 4.21e3



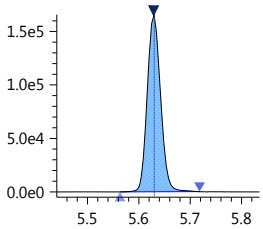
PFTrDA
Conc 0.9029
RT 5.479 Area 689902
R#1 20.32 (0.00)
Q 663.00>618.90 (-) 3.35e5



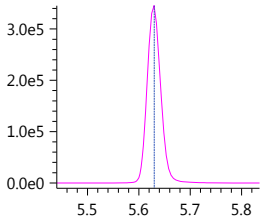
R1 662.90>169.00 (-) 6.82e4



PFTeDA
Conc 0.9699
RT 5.629 Area 298336
R#1 208.38 (0.00)
Q 713.40>669.00 (-) 1.66e5



R1 713.40>169.10 (-) 3.45e5



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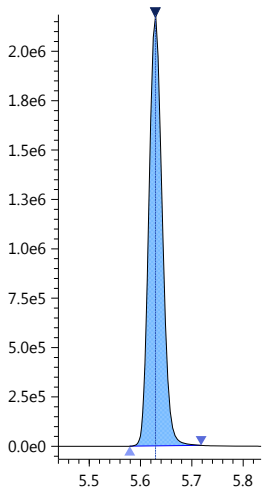
Conc 4.8907
RT 5.629 Area 3932726
Q 714.70>669.90 (-) 2.19e6



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Conc 5.0000
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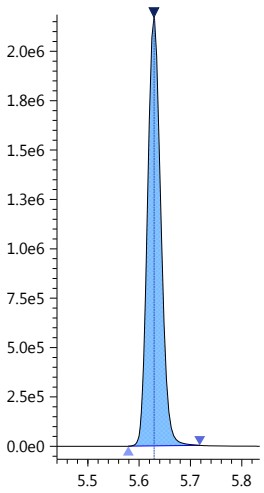
ISTD 714.70>669.90 (-) 2.19e6



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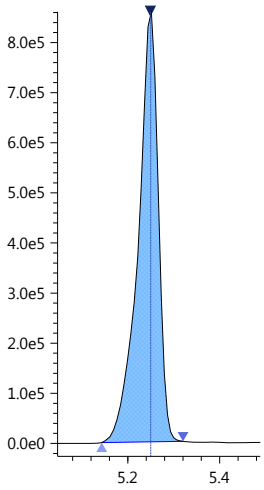
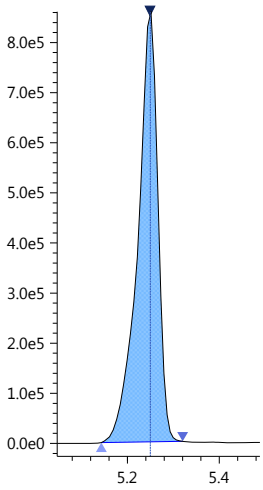
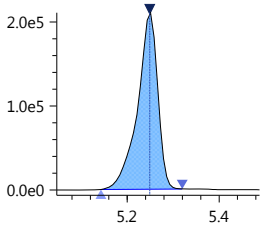
Conc 5.0000
RT 5.249 Area 2611163
ISTD 506.00>78.05 (-) 8.62e5



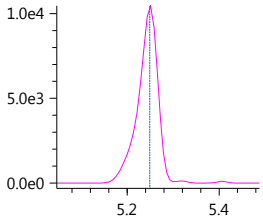
FOSA-13C
Conc 4.6664
RT 5.249 Area 2611163
Q 506.00>78.05 (-) 8.62e5



FOSA
Conc 0.9563
RT 5.249 Area 639069
R#1 4.93 (0.00)
Q 498.20>78.00 (-) 2.11e5

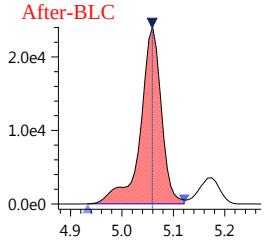


R1 498.20>64.10 (-) 1.05e4

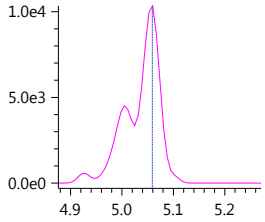


N-MeFOSAA
Conc 0.9415
RT 5.059 Area 67819
R#1 42.66 (0.00)
Q 570.20>419.00 (-) 2.41e4

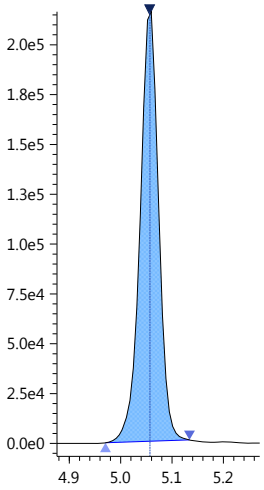
After-BLC



R1 570.20>512.00 (-) 1.03e4



N-MeFOSAA-d3
Conc 4.7989
RT 5.057 Area 542755
Q 572.80>419.05 (-) 2.17e5



Insight Report

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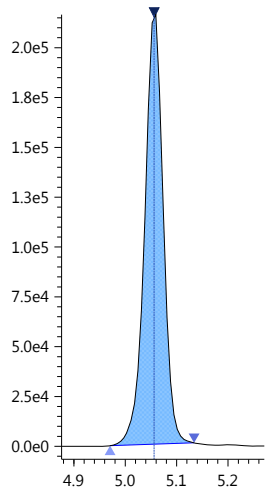
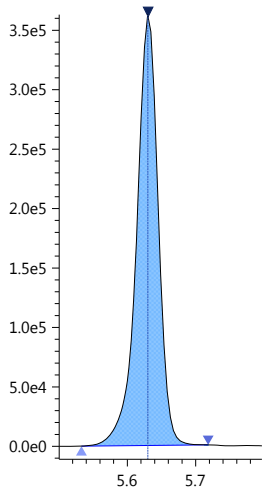
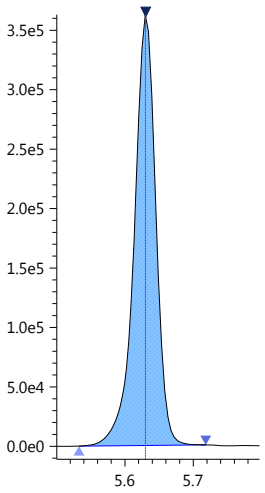
N-MeFOSAA-d3_IS
Conc 5.0000
RT 5.057 Area 542755
ISTD 572.80>419.05 (-) 2.17e5



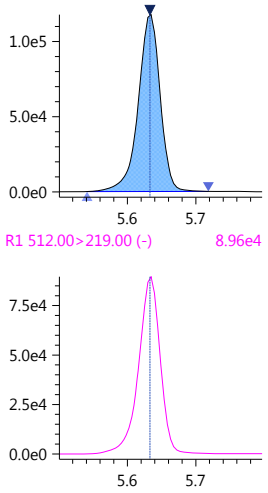
N-MeFOSA-d3_IS
Conc 5.0000
RT 5.630 Area 795973
ISTD 514.90>168.90 (-) 3.63e5



N-MeFOSA-d3
Conc 4.7051
RT 5.630 Area 795973
Q 514.90>168.90 (-) 3.63e5

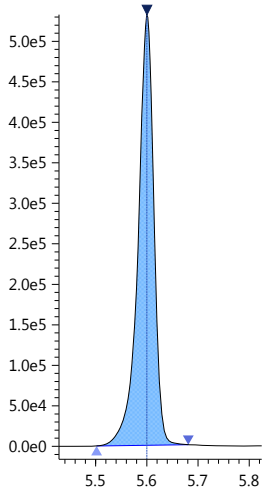


N-MeFOSA
Conc 0.9641
RT 5.633 Area 261616
R#1 74.90 (0.00)
Q 512.00>169.10 (-) 1.18e5

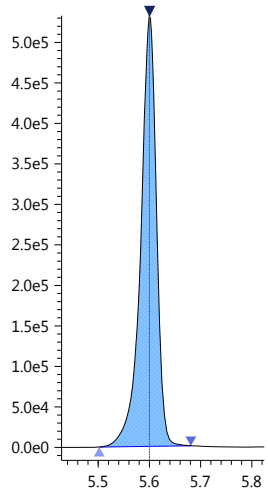


R1 512.00>219.00 (-) 8.96e4

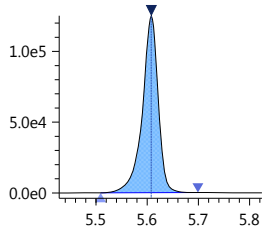
N-MeFOSE-d7
Conc 4.6851
RT 5.600 Area 1141116
Q 622.70>59.10 (-) 5.33e5



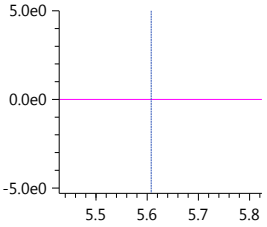
N-MeFOSE-d7_IS
Conc 5.0000
RT 5.600 Area 1141116
ISTD 622.70>59.10 (-) 5.33e5



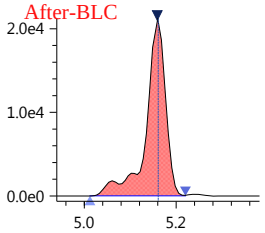
N-MeFOSE
Conc 0.9820
RT 5.608 Area 267870
R#1 0.00 (0.00)
Q 616.00>59.00 (-) 1.25e5



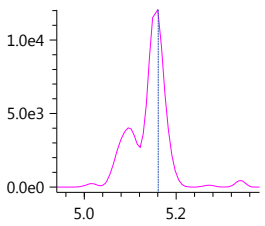
R1 556.00>121.20 (-) 0.00e0



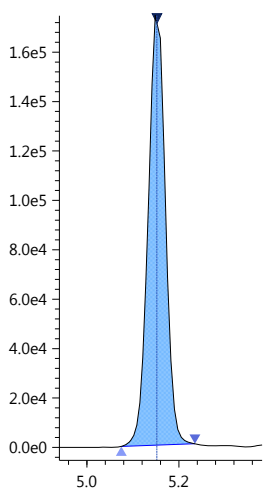
N-EtFOSAA
Conc 1.0710
RT 5.159 Area 61857
R#1 57.64 (0.00)
Q 584.20>418.95 (-) 2.12e4



R1 584.20>526.10 (-) 1.21e4



N-EtFOSAA-d5_IS
Conc 5.0000
RT 5.153 Area 457412
ISTD 588.80>419.00 (-) 1.75e5



N-EtFOSAA-d5
Conc 4.5925
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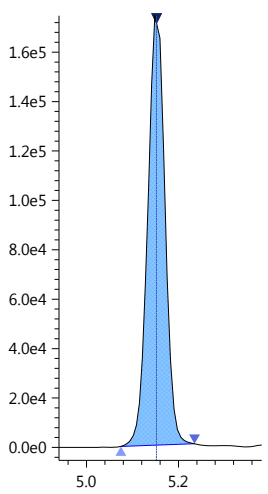
Q 588.80>419.00 (-) 1.75e5



Insight Report

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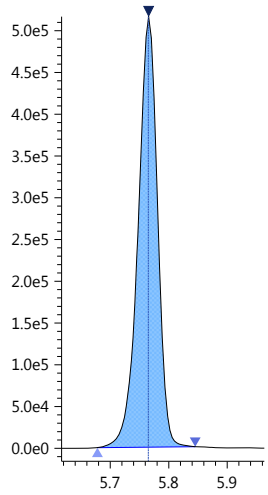
N-EtFOSA-d9_IS

Conc 5.0000
RT 5.766 Area 1190875

ISTD 530.90>169.15 (-) 5.17e5



N-EtFOSA-d9

Conc 4.7465
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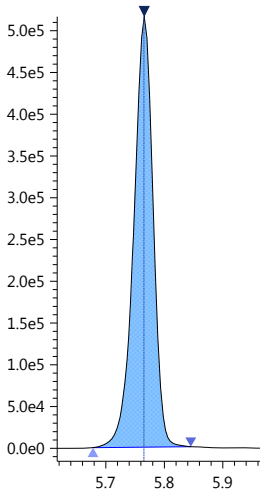
Q 530.90>169.15 (-) 5.17e5



N-EtFOSA

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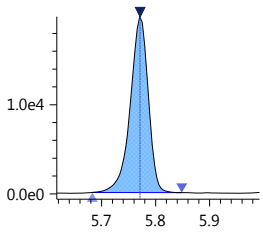
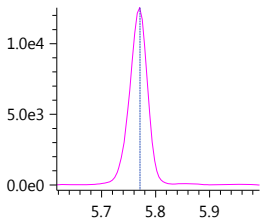
RT 5.771 Area 45669
R#1 63.18 (0.00)

Q 526.90>169.10 (-) 1.99e4



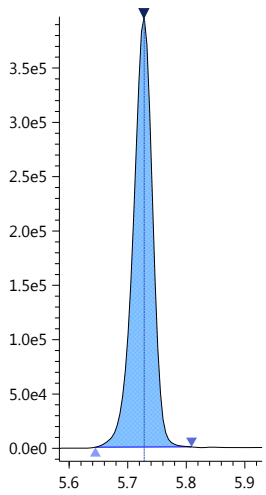
R1 526.90>219.00 (-) 1.25e4



N-EtFOSE-d9_IS

Conc 5.0000
RT 5.728 Area 919295

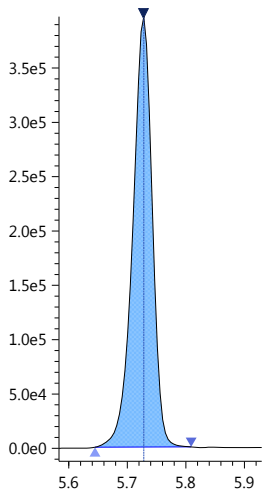
ISTD 638.70>59.10 (-) 3.97e5



N-EtFOSE-d9

Conc 4.6086
RT 5.728 Area 919295

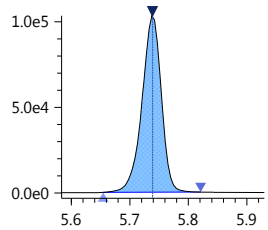
Q 638.70>59.10 (-) 3.97e5



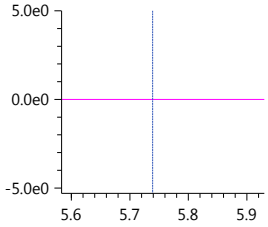
N-EtFOSE

Conc 0.9848
RT 5.739 Area 236673
R#1 0.00 (0.00)

Q 630.00>58.90 (-) 1.04e5



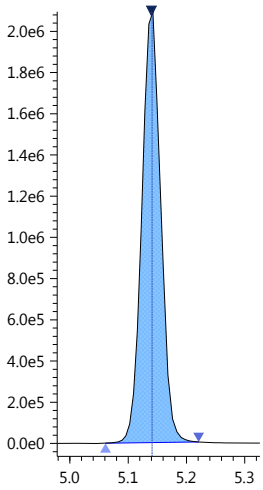
R1 570.00>136.10 (-) 0.00e0



13C7-PFUnDA_IS

Conc 5.0000
RT 5.140 Area 4731342

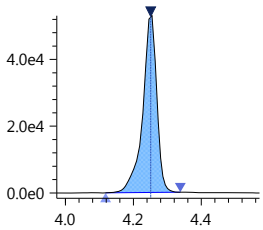
ISTD 570.00>525.00 (-) 2.10e6



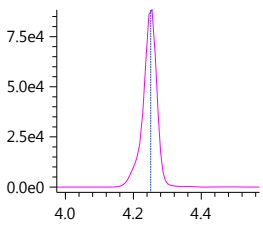
PFPeS

Conc 0.9095
RT 4.251 Area 153126
R#1 165.28 (0.00)

Q 349.00>99.00 (-) 5.31e4



R1 349.00>79.95 (-) 8.84e4



PFNS

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RT 4.943 Area 139582
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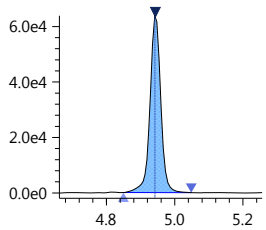
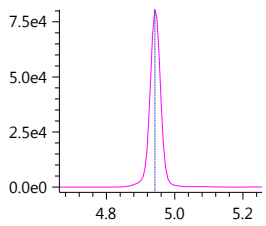
Q 549.00>99.00 (-) 6.39e4



R1 549.00>79.95 (-) 8.05e4



Insight Report

Printed at 6/19/2019 8:39:19 AM

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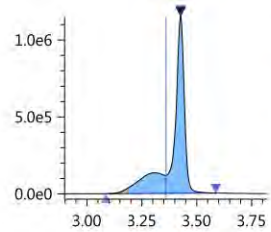
Date acquired: 6/18/2019 4:04:56 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190618_b1\190618_031.lcd
Vial: 31 | Inj. Volume: 15.0000uL | Tray: 1

PFBA-13C_IS
Conc 5.0000
RT 3.427 Area 4221968
ISTD 216.90>172.15 (-) 1.15e6



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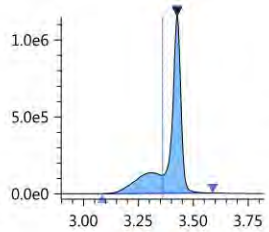
Q 216.90>172.15 (-) 1.15e6



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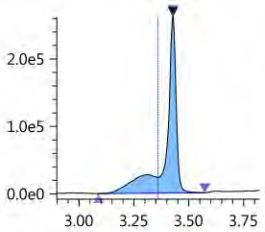

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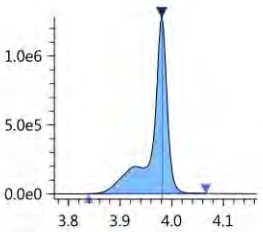
Conc 5.0000
RT 3.981 Area 2627477
ISTD 267.90>223.00 (-) 1.29e6



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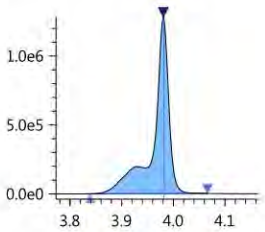
Q 267.90>223.00 (-) 1.29e6



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Conc 0.6953
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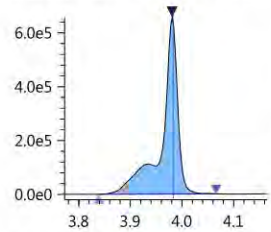
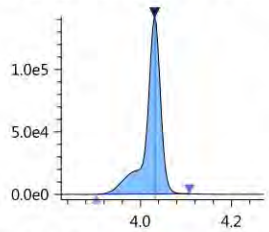
Q 263.05>219.10 (-) 6.58e5



PFBS_1
Conc 0.8681
RT 4.031 Area 311181
Q 299.00>80.00 (-) 1.42e5



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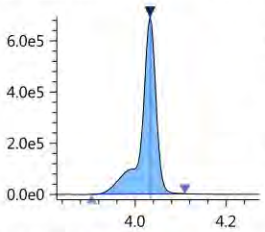
Q 301.80>80.00 (-) 6.92e5



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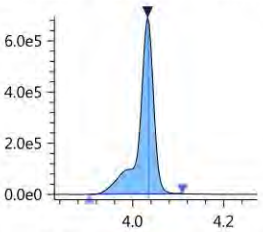

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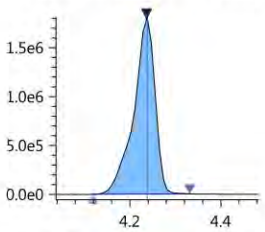
RT 4.237 Area 5821530
ISTD 314.90>270.10 (-) 1.81e6



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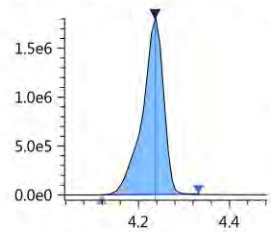
Q 314.90>270.10 (-) 1.81e6



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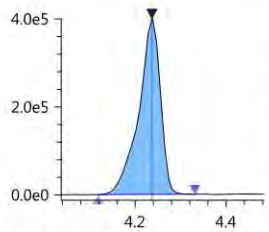
Q 313.00>269.00 (-) 4.03e5



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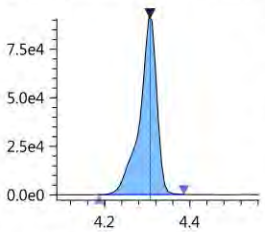
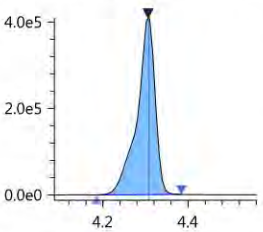
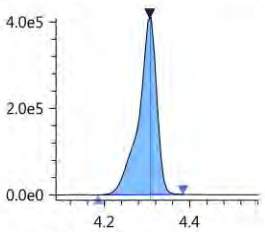
RT 4.307 Area 255072
Q 329.00>169.00 (-) 9.13e4



HFPO_DA-13C_IS
Conc 5.0000
RT 4.306 Area 1199190
ISTD 332.00>286.80 (-) 4.10e5



HFPO_DA-13C
Conc 4.8314
RT 4.306 Area 1199190
Q 332.00>286.80 (-) 4.10e5



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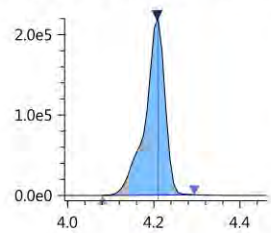
Conc 5.0000
RT 4.208 Area 695944
ISTD 328.80>309.05 (-) 2.21e5



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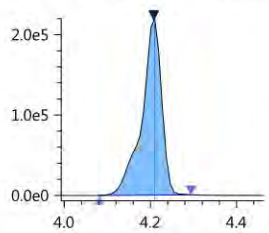
Conc 4.5292
RT 4.208 Area 695944
Q 328.80>309.05 (-) 2.21e5



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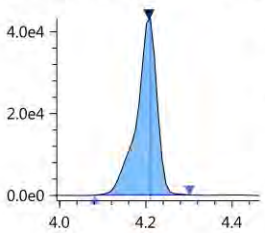

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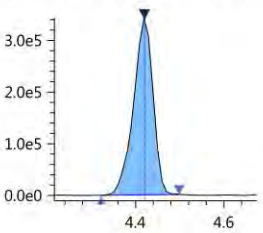

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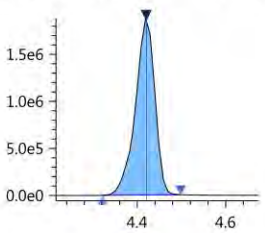
RT 4.420 Area 5734104
ISTD 366.90>322.10 (-) 1.88e6



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PFHpA-13C
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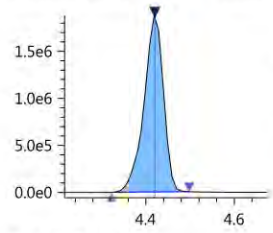
Q 366.90>322.10 (-) 1.88e6



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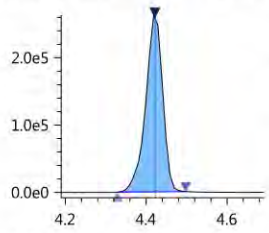

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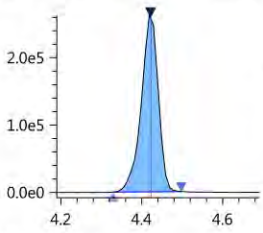
RT 4.422 Area 768393
Q 402.70>84.05 (-) 2.63e5



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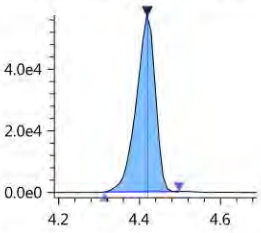

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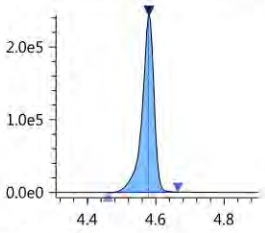
Q 428.90>409.00 (-) 2.44e5



6_2-FTS-13C_IS
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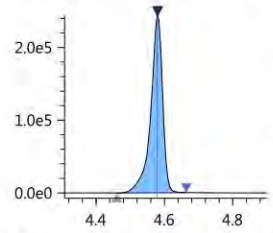
RT 4.580 Area 589378
ISTD 428.90>409.00 (-) 2.44e5



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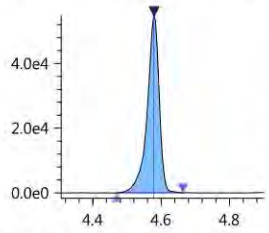
Conc 0.9129
RT 4.579 Area 132881
Q 427.00>407.00 (-) 5.48e4



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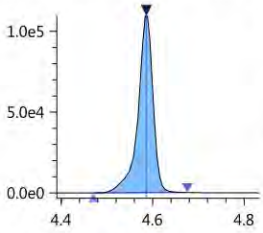
Conc 1.0017
RT 4.586 Area 249652
Q 449.00>80.15 (-) 1.10e5



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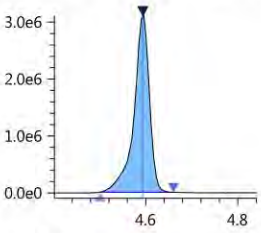
Conc 5.0000
RT 4.594 Area 7278992
ISTD 416.80>372.05 (-) 3.11e6



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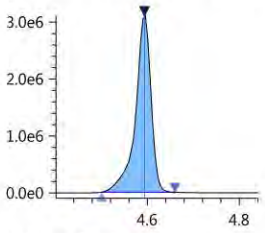
Q 416.80>372.05 (-) 3.11e6



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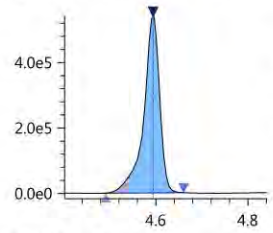
Q 413.00>369.00 (-) 5.42e5



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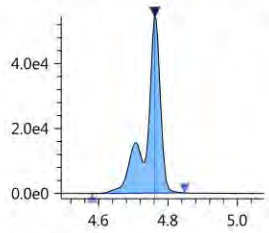

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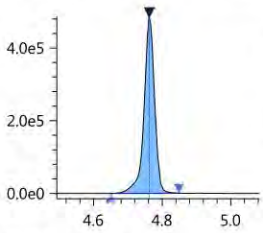
Conc 5.0000
RT 4.762 Area 1039035
ISTD 502.80>80.05 (-) 4.87e5



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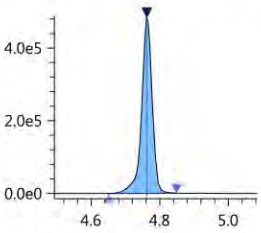
Q 502.80>80.05 (-) 4.87e5



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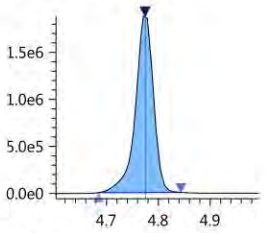
ISTD 467.80>423.00 (-) 1.88e6



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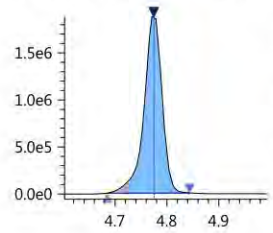
Conc 4.7092
RT 4.775 Area 4578408
Q 467.80>423.00 (-) 1.88e6



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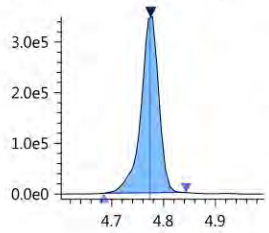
Conc 0.9244
RT 4.775 Area 837486
Q 463.00>418.90 (-) 3.50e5



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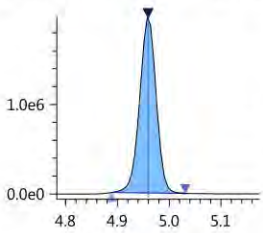
ISTD 514.80>469.95 (-) 1.98e6



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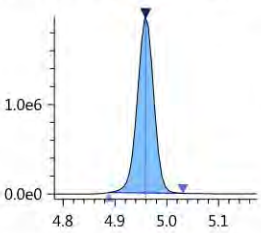
Q 514.80>469.95 (-) 1.98e6



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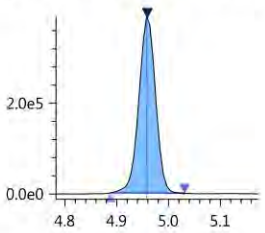

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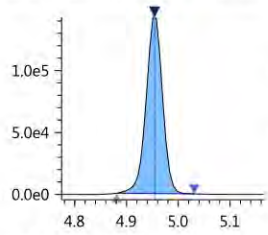
8_2-FTS-13C_IS
Conc 5.0000
RT 4.954 Area 316896
ISTD 528.80>509.00 (-) 1.43e5



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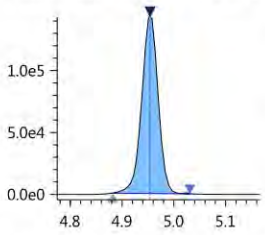
RT 4.954 Area 316896
Q 528.80>509.00 (-) 1.43e5



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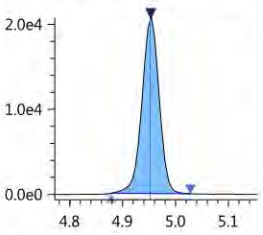
Conc 0.9726
RT 4.953 Area 46760
Q 527.10>506.90 (-) 2.08e4



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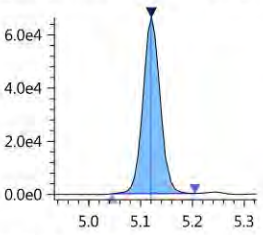

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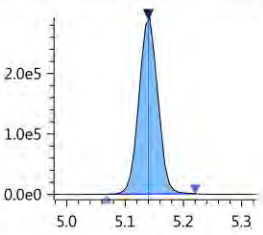
Conc 0.8554
RT 5.140 Area 656574
Q 563.00>518.90 (-) 2.93e5



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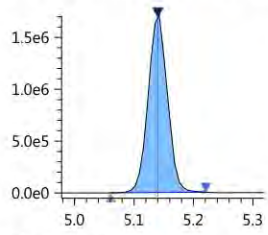
ISTD 564.80>519.95 (-) 1.71e6



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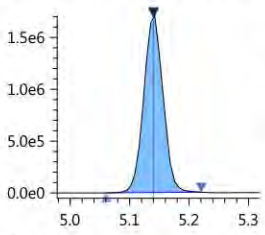

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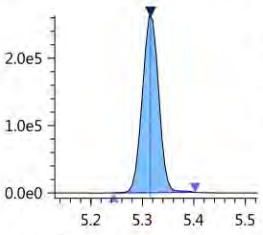
Conc 0.9025
RT 5.316 Area 584883
Q 613.05>569.00 (-) 2.63e5



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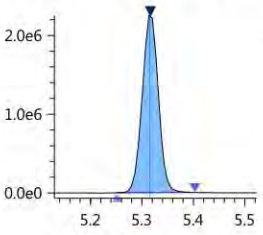
Q 614.80>569.95 (-) 2.25e6



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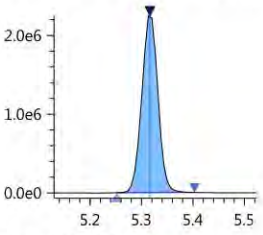

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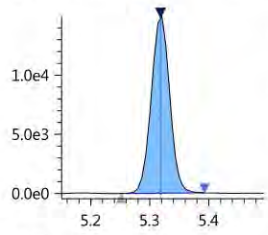

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Conc 0.8762
RT 5.479 Area 689902
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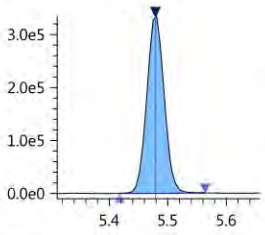

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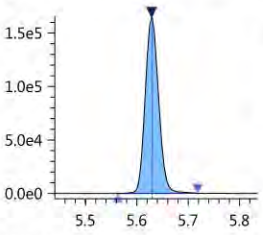
RT 5.629 Area 298336
Q 713.40>669.00 (-) 1.66e5



PFTeDA-13C
Conc 4.8907
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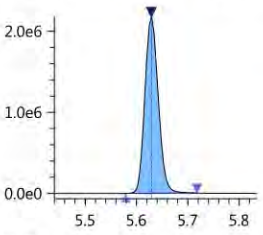
Q 714.70>669.90 (-) 2.19e6



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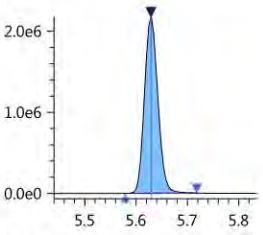

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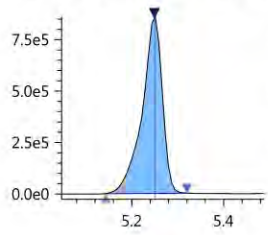

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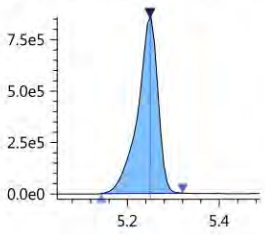
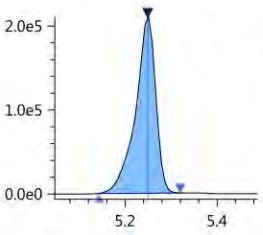
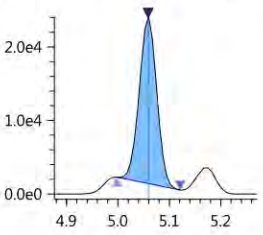


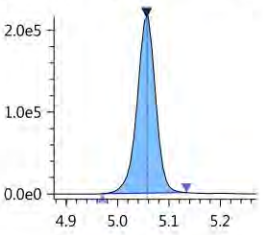
FOSA
Conc 0.9563
RT 5.249 Area 639069
Q 498.20>78.00 (-) 2.11e5



N-MeFOSAA
Conc 0.7148
RT 5.059 Area 53717
Q 570.20>419.00 (-) 2.41e4



N-MeFOSAA-d3
Conc 4.7989
RT 5.057 Area 542755
Q 572.80>419.05 (-) 2.17e5



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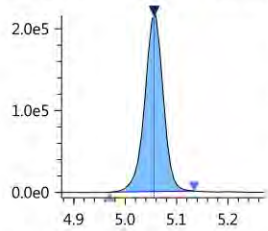
N-MeFOSAA-d3_IS
Conc 5.0000
RT 5.057 Area 542755
ISTD 572.80>419.05 (-) 2.17e5



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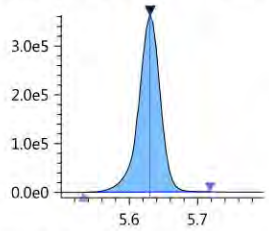
Conc 5.0000
RT 5.630 Area 795973
ISTD 514.90>168.90 (-) 3.63e5



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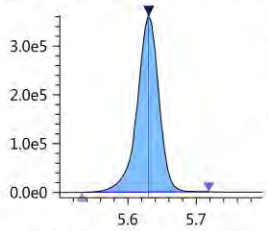
Conc 4.7051
RT 5.630 Area 795973
Q 514.90>168.90 (-) 3.63e5



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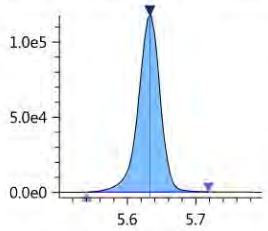
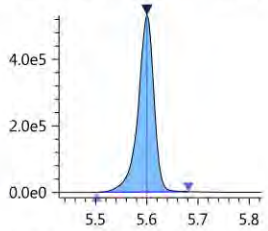
Conc 0.9702
RT 5.633 Area 261616
Q 512.00>169.10 (-) 1.18e5



N-MeFOSE-d7
Conc 4.6851
RT 5.600 Area 1141116
Q 622.70>59.10 (-) 5.33e5



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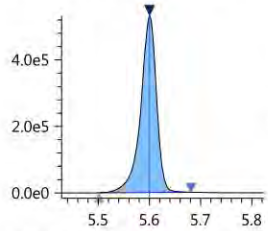
Conc 5.0000
RT 5.600 Area 1141116
ISTD 622.70>59.10 (-) 5.33e5



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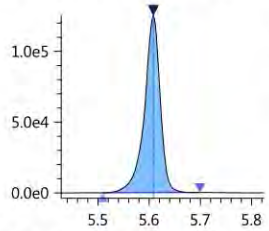
Conc 0.9820
RT 5.608 Area 267870
Q 616.00>59.00 (-) 1.25e5



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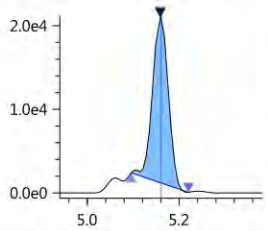
Q 584.20>418.95 (-) 2.12e4



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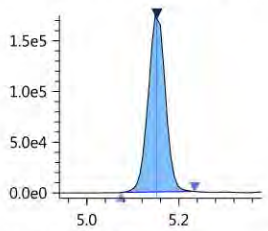
ISTD 588.80>419.00 (-) 1.75e5



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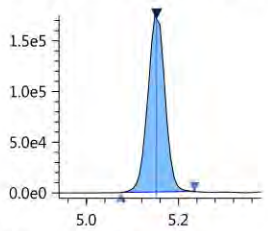

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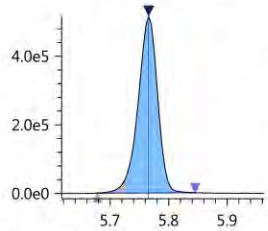
Conc 5.0000
RT 5.766 Area 1190875
ISTD 530.90>169.15 (-) 5.17e5



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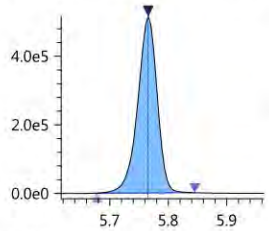
Q 530.90>169.15 (-) 5.17e5



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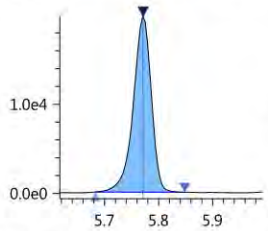
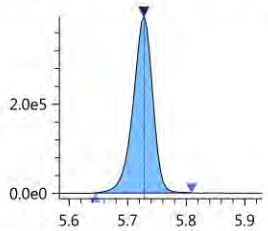
Conc 0.9571
RT 5.771 Area 45669
Q 526.90>169.10 (-) 1.99e4



N-EtFOSE-d9_IS
Conc 5.0000
RT 5.728 Area 919295
ISTD 638.70>59.10 (-) 3.97e5



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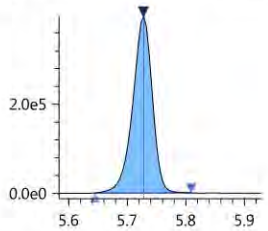
Q 638.70>59.10 (-) 3.97e5



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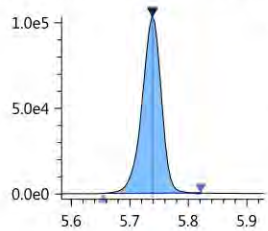
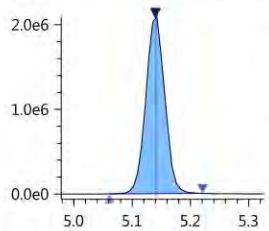
RT 5.739 Area 236673
Q 630.00>58.90 (-) 1.04e5



13C7-PFUnDA_IS
Conc 5.0000
RT 5.140 Area 4731342
ISTD 570.00>525.00 (-) 2.10e6



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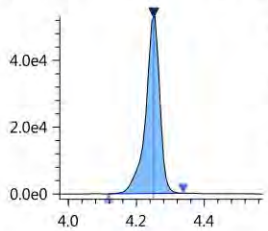
Conc 0.9095
RT 4.251 Area 153126
Q 349.00>99.00 (-) 5.31e4



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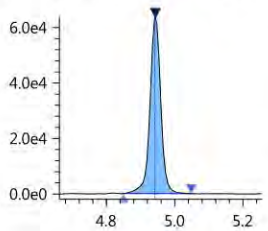
Conc 0.9050
RT 4.943 Area 139582
Q 549.00>99.00 (-) 6.39e4



Insight Report

Printed at 6/19/2019 1:07:21 PM

190618_032

Sample ID: 5.0 PPB ICAL
Date acquired: 6/18/2019 4:15:21 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190618_b1\190618_032.lcd
Vial: 32 | Inj. Volume: 15.0000uL | Tray: 1

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
PFBA-13C_IS	Auto	3.426	3984470	3984470	2	5.0000	ng/mL	5.0000
PFBA-13C	Auto	3.426	3984470	4426982	26	4.7148	ng/mL	5.0000
PFBA	Auto	3.427	3905757	3984470	2	4.8004	ng/mL	5.0000
PFPeA-13C_IS	Auto	3.981	2428647	2428647	4	5.0000	ng/mL	5.0000
PFPeA-13C	Auto	3.981	2428647	4426982	26	4.7424	ng/mL	5.0000
PFPeA	Auto	3.981	5709246	2428647	4	4.7533	ng/mL	5.0000
PFBS_1	Auto	4.031	1426478	1459253	16	4.1654	ng/mL	4.4368
PFBS-13C	Auto	4.033	1459253	4426982	26	4.7218	ng/mL	5.0000
PFBS-13C_IS	Auto	4.033	1459253	1459253	16	5.0000	ng/mL	5.0000
PFHxA-13C_IS	Auto	4.237	5189670	5189670	6	5.0000	ng/mL	5.0000
PFHxA-13C	Auto	4.237	5189670	4426982	26	4.4955	ng/mL	5.0000
PFHxA	Auto	4.237	5692199	5189670	6	4.8267	ng/mL	5.0000
HPFO_DA	Auto	4.307	1178790	1109709	3	4.8563	ng/mL	5.0000
HFPO_DA-13C_IS	Auto	4.306	1109709	1109709	3	5.0000	ng/mL	5.0000
HFPO_DA-13C	Auto	4.306	1109709	4426982	26	4.7783	ng/mL	5.0000
4_2-FTS-13C_IS	Auto	4.208	669799	669799	5	5.0000	ng/mL	5.0000
4_2-FTS-13C	Auto	4.208	669799	4426982	26	4.6588	ng/mL	5.0000
4_2-FTS_1	Auto	4.208	657314	669799	5	4.3581	ng/mL	4.6861
PFHpA	Auto	4.421	4757555	5126739	8	4.9261	ng/mL	5.0000
PFHpA-13C_IS	Auto	4.420	5126739	5126739	8	5.0000	ng/mL	5.0000
PFHpA-13C	Auto	4.420	5126739	4426982	26	4.5783	ng/mL	5.0000
PFHxS-18O_IS	Auto	4.422	717893	717893	7	5.0000	ng/mL	5.0000
PFHxS-18O	Auto	4.422	717893	4426982	26	4.5172	ng/mL	5.0000
PFHxS_1	Auto	4.419	862547	717893	7	4.6637	ng/mL	4.5654
6_2-FTS-13C	Auto	4.580	551213	4426982	26	4.9255	ng/mL	5.0000
6_2-FTS-13C_IS	Auto	4.580	551213	551213	10	5.0000	ng/mL	5.0000
6_2-FTS_1	Auto	4.579	610059	551213	10	4.4815	ng/mL	4.7558
PFHpS_1	Auto	4.586	1150435	717893	7	4.9409	ng/mL	4.7672
PFOA-13C_IS	Auto	4.594	6484923	6484923	9	5.0000	ng/mL	5.0000
PFOA-13C	Auto	4.594	6484923	4426982	26	4.7720	ng/mL	5.0000
PFOA	Auto	4.594	5651417	6484923	9	4.7873	ng/mL	5.0000
PFOS_1	Auto	4.762	728718	961281	13	4.5417	ng/mL	4.6461
PFOS-13C_IS	Auto	4.762	961281	961281	13	5.0000	ng/mL	5.0000
PFOS-13C	Auto	4.762	961281	4426982	26	4.8187	ng/mL	5.0000
PFNA-13C_IS	Auto	4.775	4219849	4219849	11	5.0000	ng/mL	5.0000
PFNA-13C	Auto	4.775	4219849	4426982	26	4.6240	ng/mL	5.0000
PFNA	Auto	4.775	3751646	4219849	11	4.9547	ng/mL	5.0000
PFDA-13C_IS	Auto	4.960	3950295	3950295	12	5.0000	ng/mL	5.0000
PFDA-13C	Auto	4.960	3950295	4426982	26	4.6222	ng/mL	5.0000
PFDA	Auto	4.960	3927824	3950295	12	4.8842	ng/mL	5.0000
8_2-FTS-13C_IS	Auto	4.954	302071	302071	15	5.0000	ng/mL	5.0000
8_2-FTS-13C	Auto	4.954	302071	4426982	26	4.8585	ng/mL	5.0000
8_2-FTS_1	Auto	4.954	203633	302071	15	4.4173	ng/mL	4.8002
PFDS_1	Auto	5.122	756059	961281	13	4.3753	ng/mL	4.8233
PFUnA	Auto	5.140	2990906	3460643	14	4.9985	ng/mL	5.0000
PFUnA-13C_IS	Auto	5.141	3460643	3460643	14	5.0000	ng/mL	5.0000
PFUnA-13C	Auto	5.141	3460643	4426982	26	4.9280	ng/mL	5.0000
PFDoA	Auto	5.316	2826043	4602222	17	4.9875	ng/mL	5.0000
PFDoA-13C	Auto	5.316	4602222	4426982	26	4.6593	ng/mL	5.0000
PFDoA-13C_IS	Auto	5.316	4602222	4602222	17	5.0000	ng/mL	5.0000
10_2-FtS_1	Auto	5.318	147868	302071	15	4.5967	ng/mL	4.8310
PFTrDA	Auto	5.479	3331552	3535135	22	4.8871	ng/mL	5.0000
PFTeDA	Auto	5.628	1225267	3535135	22	4.9582	ng/mL	5.0000
PFTeDA-13C	Auto	5.628	3535135	4426982	26	4.6985	ng/mL	5.0000
PFTeDA-13C_IS	Auto	5.628	3535135	3535135	22	5.0000	ng/mL	5.0000
FOSA-13C_IS	Auto	5.249	2457350	2457350	18	5.0000	ng/mL	5.0000
FOSA-13C	Auto	5.249	2457350	4426982	26	4.6934	ng/mL	5.0000
FOSA	Auto	5.250	2954378	2457350	18	4.6978	ng/mL	5.0000
N-MeFOSAA	M	5.059	359598	497958	19	5.4414	ng/mL	5.0000
N-MeFOSAA-d3	Auto	5.057	497958	4426982	26	4.7055	ng/mL	5.0000
N-MeFOSAA-d3_IS	Auto	5.057	497958	497958	19	5.0000	ng/mL	5.0000
N-MeFOSA-d3_IS	Auto	5.630	747008	747008	1	5.0000	ng/mL	5.0000
N-MeFOSA-d3	Auto	5.630	747008	4426982	26	4.7192	ng/mL	5.0000
N-MeFOSA	Auto	5.633	1187206	747008	1	4.6620	ng/mL	5.0000
N-MeFOSE-d7	Auto	5.600	1074417	4426982	26	4.7146	ng/mL	5.0000
N-MeFOSE-d7_IS	Auto	5.600	1074417	1074417	20	5.0000	ng/mL	5.0000
N-MeFOSE	Auto	5.608	1252603	1074417	20	4.8769	ng/mL	5.0000
N-EtFOSAA	Auto	5.156	285047	408463	21	5.5271	ng/mL	5.0000

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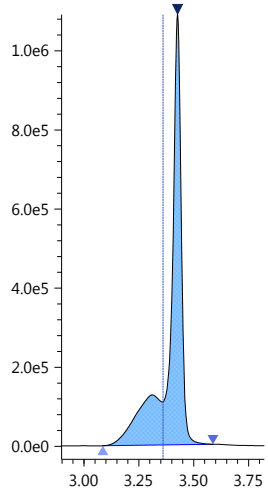
(Table continued from previous page)

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
N-EtFOSAA-d5_IS	Auto	5.154	408463	408463	21	5.0000	ng/mL	5.0000
N-EtFOSAA-d5	Auto	5.154	408463	4426982	26	4.3830	ng/mL	5.0000
N-EtFOSA-d9_IS	Auto	5.765	1111618	1111618	23	5.0000	ng/mL	5.0000
N-EtFOSA-d9	Auto	5.765	1111618	4426982	26	4.7352	ng/mL	5.0000
N-EtFOSA	Auto	5.771	208146	1111618	23	4.6448	ng/mL	5.0000
N-EtFOSE-d9_IS	Auto	5.727	900247	900247	24	5.0000	ng/mL	5.0000
N-EtFOSE-d9	Auto	5.727	900247	4426982	26	4.8234	ng/mL	5.0000
N-EtFOSE	Auto	5.738	1102254	900247	24	4.6835	ng/mL	5.0000
13C7-PFUnDA_IS	Auto	5.140	4426982	4426982	26	5.0000	ng/mL	5.0000
PFPeS	Auto	4.251	678396	1459253	16	4.2275	ng/mL	4.7046
PFNS	Auto	4.944	648904	961281	13	4.5271	ng/mL	4.8079

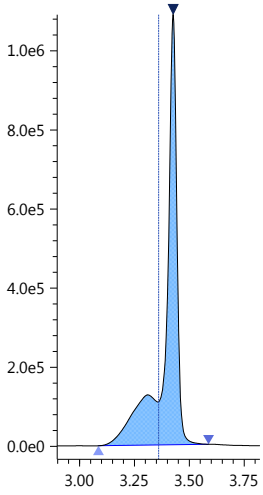
PFBA-13C_IS

Conc 5.0000
RT 3.426 Area 3984470
ISTD 216.90>172.15 (-) 1.09e6



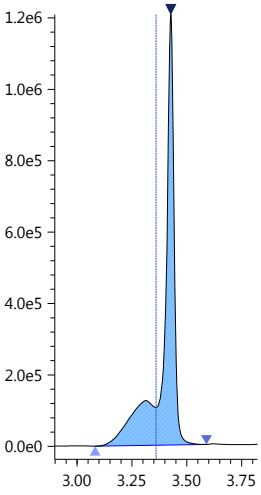
PFBA-13C

Conc 4.7148
RT 3.426 Area 3984470
Q 216.90>172.15 (-) 1.09e6



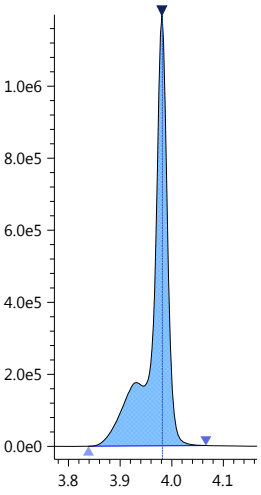
PFBA

Conc 4.8004
RT 3.427 Area 3905757
Q 213.00>169.10 (-) 1.21e6



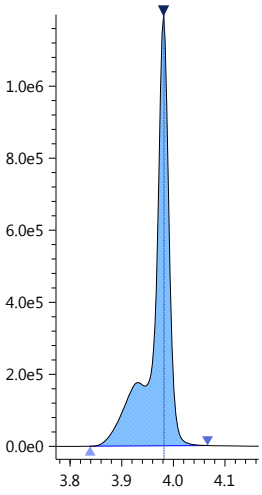
PFPeA-13C_IS

Conc 5.0000
RT 3.981 Area 2428647
ISTD 267.90>223.00 (-) 1.20e6



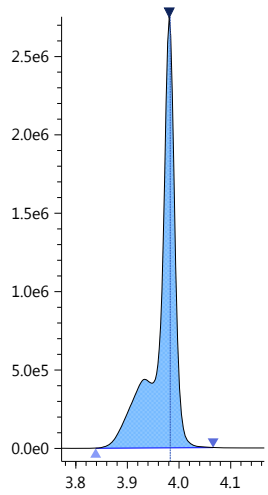
PFPeA-13C

Conc 4.7424
RT 3.981 Area 2428647
Q 267.90>223.00 (-) 1.20e6



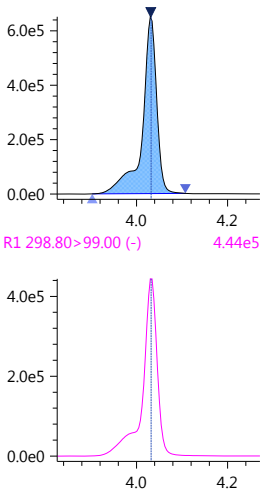
PFPeA

Conc 4.7533
RT 3.981 Area 5709246
Q 263.05>219.10 (-) 2.75e6



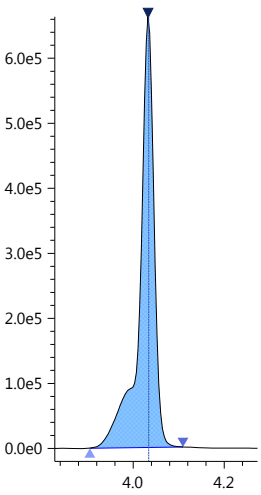
PFBS_1

Conc 4.1654
RT 4.031 Area 1426478
R#1 68.18 (0.00)
Q 299.00>80.00 (-) 6.52e5



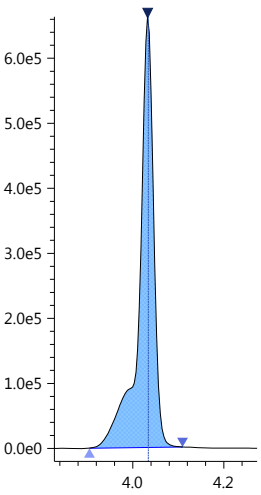
PFBS-13C

Conc 4.7218
RT 4.033 Area 1459253
Q 301.80>80.00 (-) 6.64e5



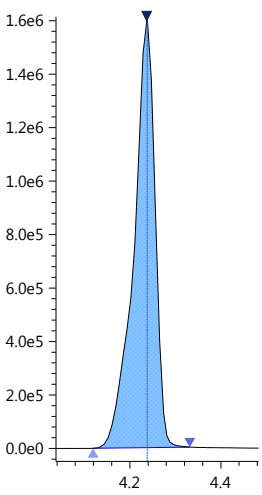
PFBS-13C_IS

Conc 5.0000
RT 4.033 Area 1459253
ISTD 301.80>80.00 (-) 6.64e5



PFHxA-13C_IS

Conc 5.0000
RT 4.237 Area 5189670
ISTD 314.90>270.10 (-) 1.61e6



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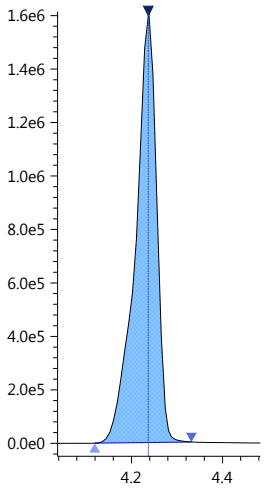
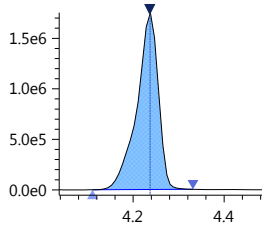
PFHxA-13C
Conc 4.4955
RT 4.237 Area 5189670

Q 314.90>270.10 (-) 1.61e6

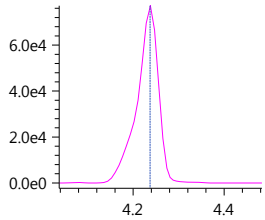


PFHxA
Conc 4.8267
RT 4.237 Area 5692199
R#1 4.39 (0.00)

Q 313.00>269.00 (-) 1.75e6

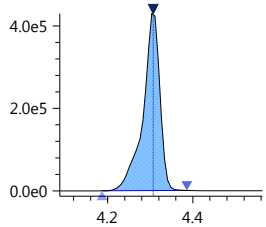


R1 313.00>119.10 (-) 7.71e4

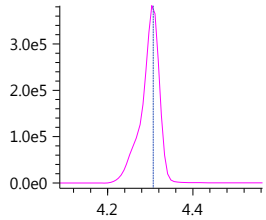


HPFO_DA
Conc 4.8563
RT 4.307 Area 1178790
R#1 88.84 (0.00)

Q 329.00>169.00 (-) 4.30e5

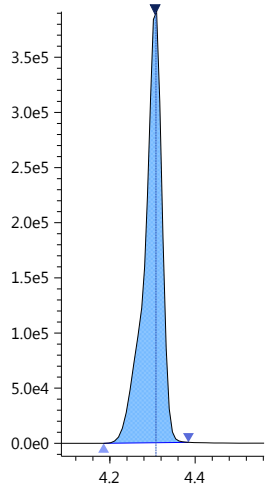


R1 329.00>285.10 (-) 3.83e5



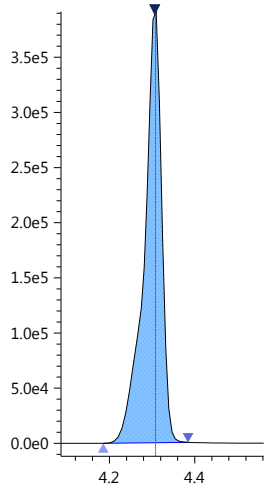
HFPO_DA-13C_IS
Conc 5.0000
RT 4.306 Area 1109709

ISTD 332.00>286.80 (-) 3.91e5



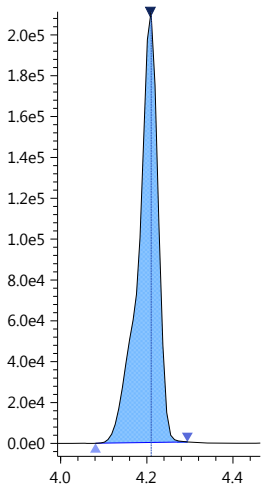
HFPO_DA-13C
Conc 4.7783
RT 4.306 Area 1109709

Q 332.00>286.80 (-) 3.91e5



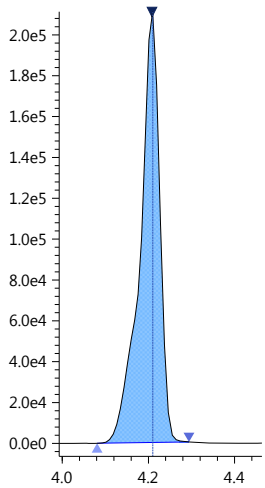
4_2-FTS-13C_IS
Conc 5.0000
RT 4.208 Area 669799

ISTD 328.80>309.05 (-) 2.11e5



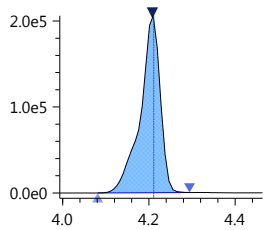
4_2-FTS-13C
Conc 4.6588
RT 4.208 Area 669799

Q 328.80>309.05 (-) 2.11e5

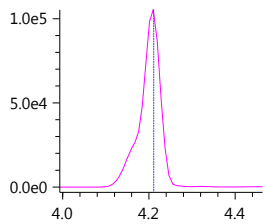


4_2-FTS_1
Conc 4.3581
RT 4.208 Area 657314
R#1 51.09 (0.00)

Q 327.00>307.05 (-) 2.06e5

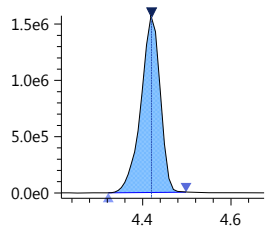


R1 327.00>81.10 (-) 1.05e5

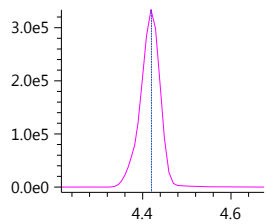


PFHpA
Conc 4.9261
RT 4.421 Area 4757555
R#1 21.22 (0.00)

Q 362.90>319.00 (-) 1.57e6

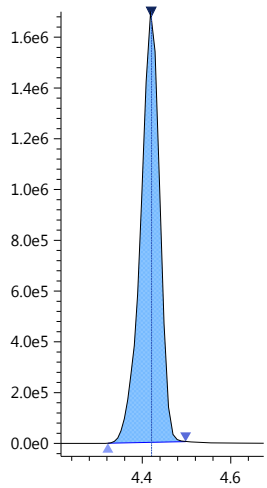


R1 362.90>169.00 (-) 3.34e5



PFHpA-13C_IS
Conc 5.0000
RT 4.420 Area 5126739

ISTD 366.90>322.10 (-) 1.70e6



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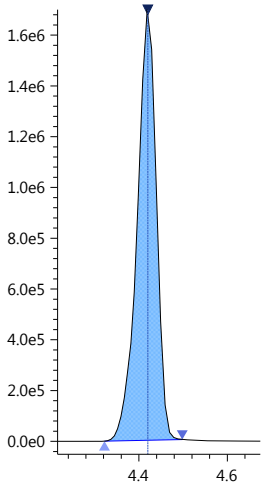
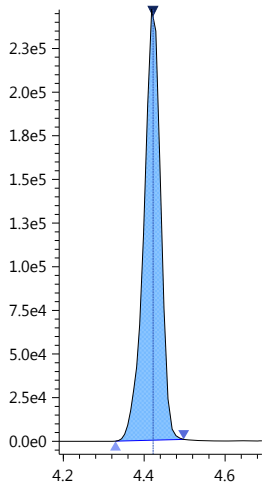
PFHpA-13C
Conc 4.5783
RT 4.420 Area 5126739

Q 366.90>322.10 (-) 1.70e6



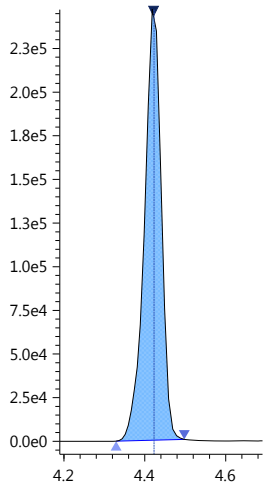
PFHxS-18O_IS
Conc 5.0000
RT 4.422 Area 717893

ISTD 402.70>84.05 (-) 2.47e5



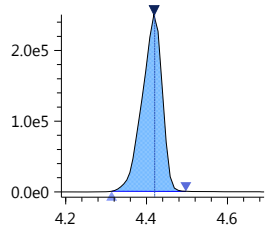
PFHxS-18O
Conc 4.5172
RT 4.422 Area 717893

Q 402.70>84.05 (-) 2.47e5

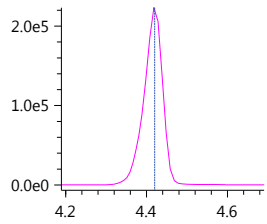


PFHxS_1
Conc 4.6637
RT 4.419 Area 862547
R#1 88.65 (0.00)

Q 399.00>80.00 (-) 2.51e5

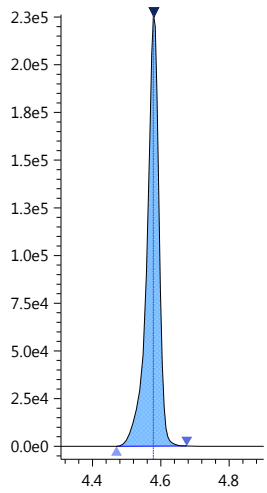


R1 399.00>99.00 (-) 2.23e5



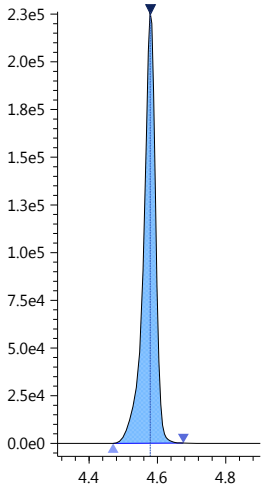
6_2-FTS-13C
Conc 4.9255
RT 4.580 Area 551213

Q 428.90>409.00 (-) 2.26e5



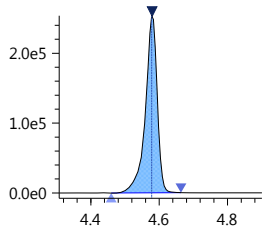
6_2-FTS-13C_IS
Conc 5.0000
RT 4.580 Area 551213

ISTD 428.90>409.00 (-) 2.26e5

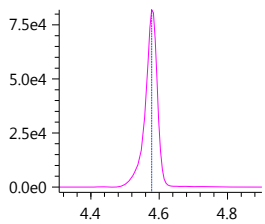


6_2-FTS_1
Conc 4.4815
RT 4.579 Area 610059
R#1 32.22 (0.00)

Q 427.00>407.00 (-) 2.54e5

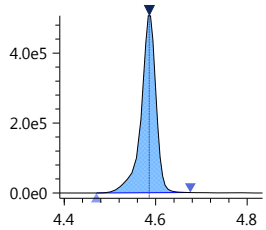


R1 427.00>80.90 (-) 8.20e4

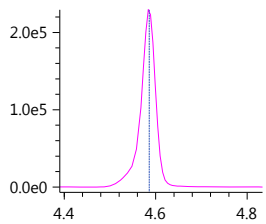


PFHpS_1
Conc 4.9409
RT 4.586 Area 1150435
R#1 45.51 (0.00)

Q 449.00>80.15 (-) 5.07e5

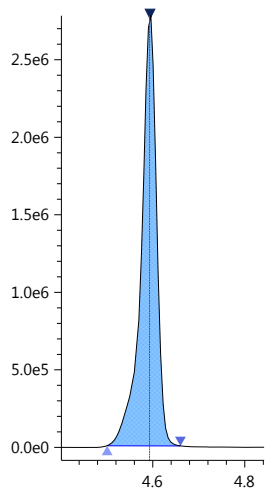


R1 449.00>99.20 (-) 2.29e5



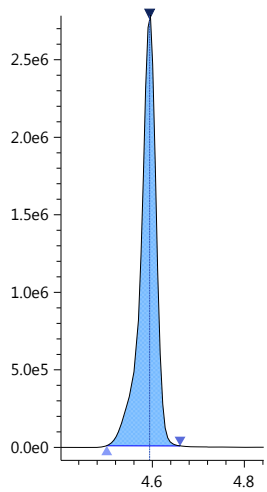
PFOA-13C_IS
Conc 5.0000
RT 4.594 Area 6484923

ISTD 416.80>372.05 (-) 2.78e6



PFOA-13C
Conc 4.7720
RT 4.594 Area 6484923

Q 416.80>372.05 (-) 2.78e6



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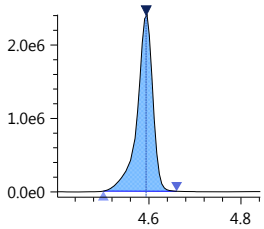
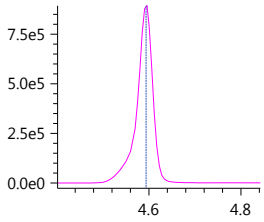
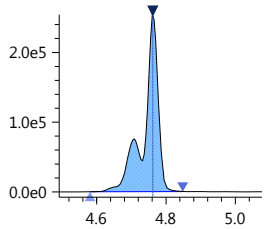
PFOA
Conc 4.7873
RT 4.594 Area 5651417
R#1 37.06 (0.00)
Q 413.00>369.00 (-) 2.41e6



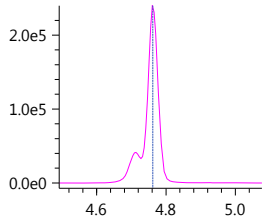
R1 413.00>169.10 (-) 8.94e5



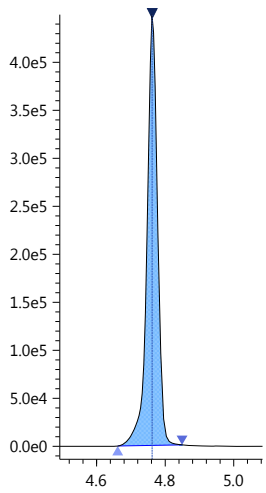
PFOS_1
Conc 4.5417
RT 4.762 Area 728718
R#1 93.07 (0.00)
Q 499.00>80.00 (-) 2.54e5



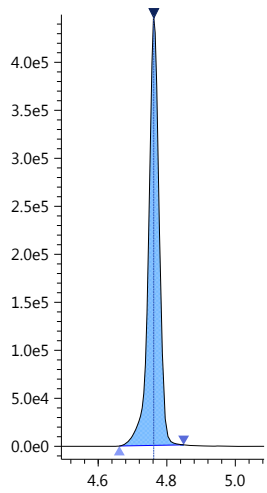
R1 499.00>99.00 (-) 2.40e5



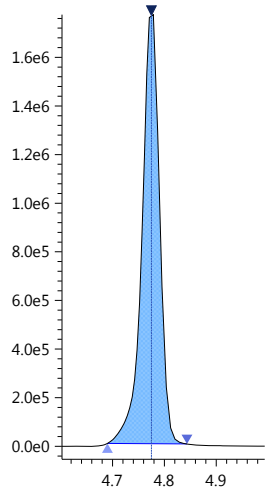
PFOS-13C_IS
Conc 5.0000
RT 4.762 Area 961281
ISTD 502.80>80.05 (-) 4.50e5



PFOS-13C
Conc 4.8187
RT 4.762 Area 961281
Q 502.80>80.05 (-) 4.50e5



PFNA-13C_IS
Conc 5.0000
RT 4.775 Area 4219849
ISTD 467.80>423.00 (-) 1.78e6



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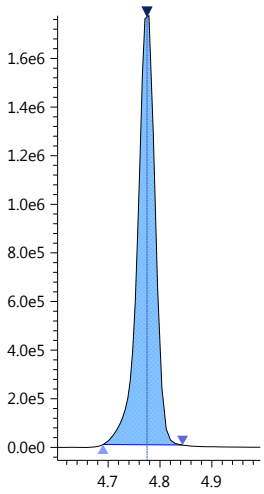
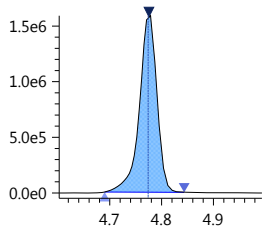
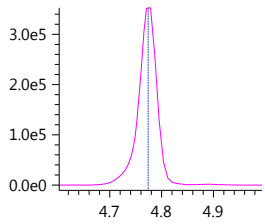
Conc 4.6240
RT 4.775 Area 4219849
Q 467.80>423.00 (-) 1.78e6



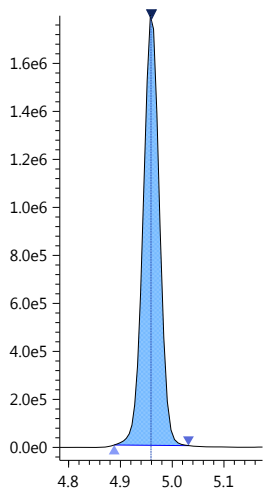
PFNA
Conc 4.9547
RT 4.775 Area 3751646
R#1 22.06 (0.00)
Q 463.00>418.90 (-) 1.59e6



R1 463.00>219.00 (-) 3.53e5



PFDA-13C_IS
Conc 5.0000
RT 4.960 Area 3950295
ISTD 514.80>469.95 (-) 1.80e6



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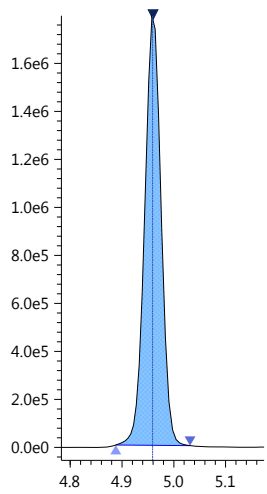
RT 4.960 Area 3950295
Q 514.80>469.95 (-) 1.80e6



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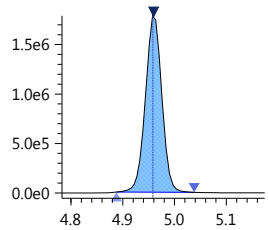
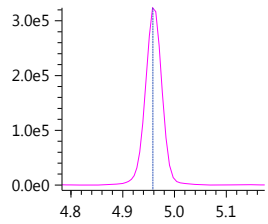
Conc 4.8842
RT 4.960 Area 3927824
R#1 18.12 (0.00)
Q 513.00>468.80 (-) 1.79e6



R1 513.00>219.10 (-) 3.24e5



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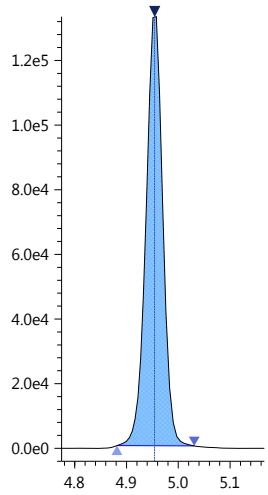
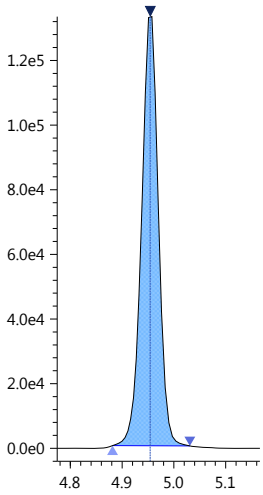
8_2-FTS-13C_IS
Conc 5.0000
RT 4.954 Area 302071

ISTD 528.80>509.00 (-) 1.34e5



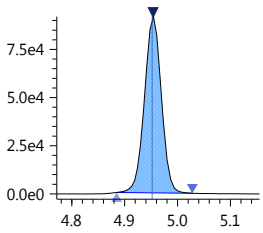
8_2-FTS-13C
Conc 4.8585
RT 4.954 Area 302071

Q 528.80>509.00 (-) 1.34e5

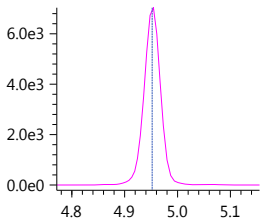


8_2-FTS_1
Conc 4.4173
RT 4.954 Area 203633
R#1 7.70 (0.00)

Q 527.10>506.90 (-) 9.20e4

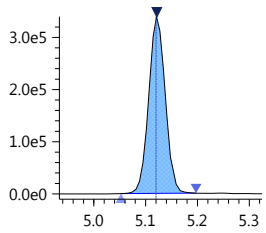


R1 527.20>487.00 (-) 7.03e3

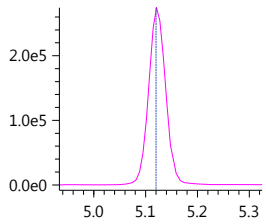


PFDS_1
Conc 4.3753
RT 5.122 Area 756059
R#1 80.48 (0.00)

Q 599.00>79.90 (-) 3.40e5

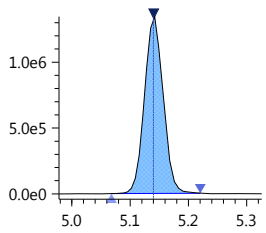


R1 599.00>99.10 (-) 2.74e5

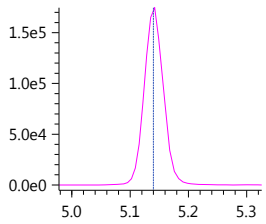


PFUnA
Conc 4.9985
RT 5.140 Area 2990906
R#1 12.92 (0.00)

Q 563.00>518.90 (-) 1.35e6

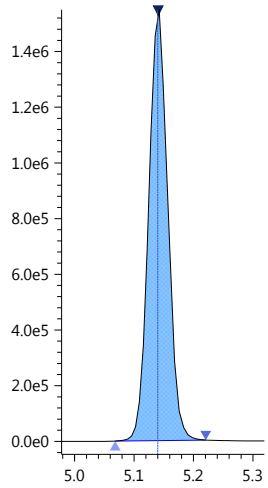


R1 563.00>219.00 (-) 1.75e5



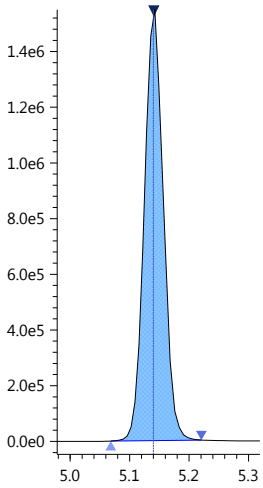
PFUnA-13C_IS
Conc 5.0000
RT 5.141 Area 3460643

ISTD 564.80>519.95 (-) 1.55e6



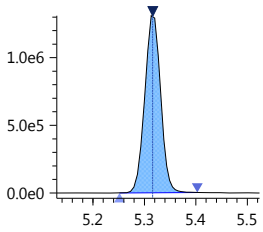
PFUnA-13C
Conc 4.9280
RT 5.141 Area 3460643

Q 564.80>519.95 (-) 1.55e6

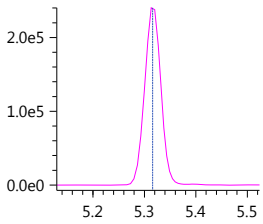


PFDoA
Conc 4.9875
RT 5.316 Area 2826043
R#1 18.28 (0.00)

Q 613.05>569.00 (-) 1.31e6

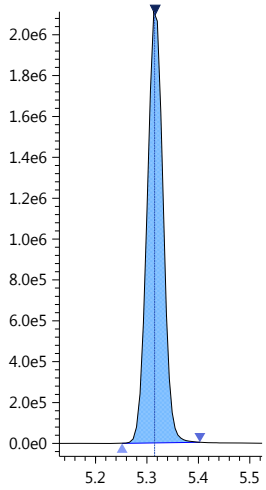


R1 613.05>169.00 (-) 2.40e5



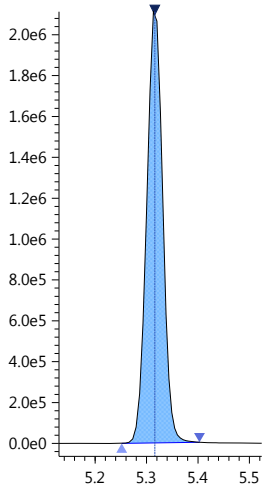
PFDoA-13C
Conc 4.6593
RT 5.316 Area 4602222

Q 614.80>569.95 (-) 2.11e6



PFDoA-13C_IS
Conc 5.0000
RT 5.316 Area 4602222

ISTD 614.80>569.95 (-) 2.11e6



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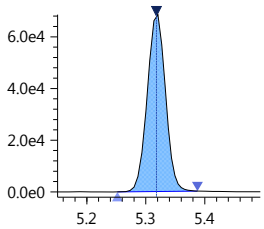
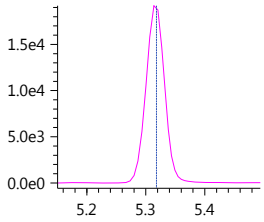
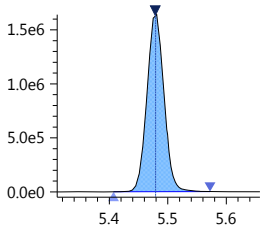
10_2-FtS_1
Conc 4.5967
RT 5.318 Area 147868
R#1 27.19 (0.00)
Q 627.00>606.95 (-) 6.86e4



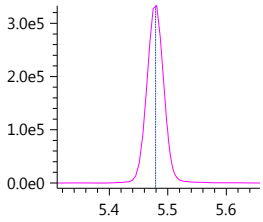
R1 627.00>81.25 (-) 1.92e4



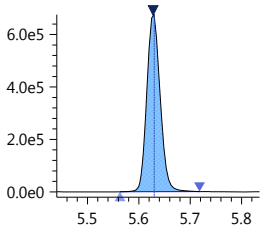
PFTrDA
Conc 4.8871
RT 5.479 Area 3331552
R#1 20.31 (0.00)
Q 663.00>618.90 (-) 1.64e6



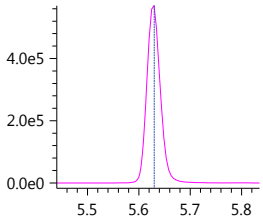
R1 662.90>169.00 (-) 3.33e5



PFTeDA
Conc 4.9582
RT 5.628 Area 1225267
R#1 84.39 (0.00)
Q 713.40>669.00 (-) 6.76e5



R1 713.40>169.10 (-) 5.70e5



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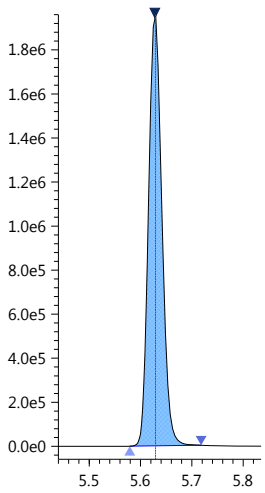
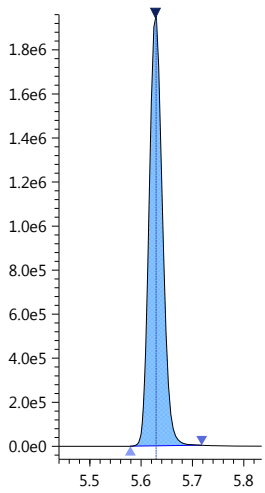
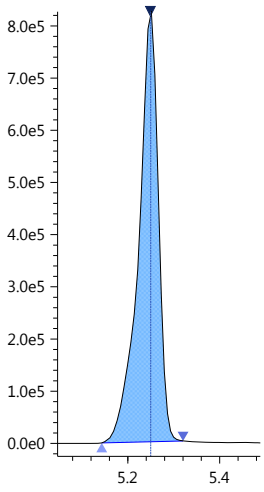
Conc 4.6985
RT 5.628 Area 3535135
Q 714.70>669.90 (-) 1.96e6



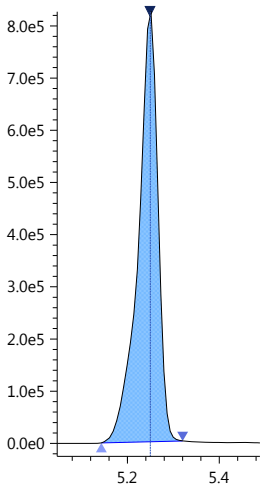
PFTeDA-13C_IS
Conc 5.0000
RT 5.628 Area 3535135
ISTD 714.70>669.90 (-) 1.96e6



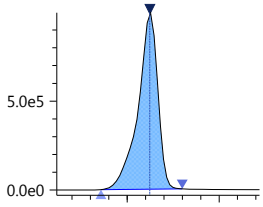
FOSA-13C_IS
Conc 5.0000
RT 5.249 Area 2457350
ISTD 506.00>78.05 (-) 8.27e5



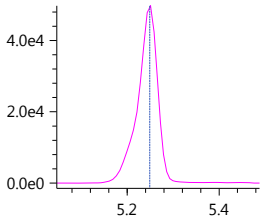
FOSA-13C
Conc 4.6934
RT 5.249 Area 2457350
Q 506.00>78.05 (-) 8.27e5



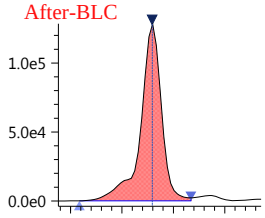
FOSA
Conc 4.6978
RT 5.250 Area 2954378
R#1 4.99 (0.00)
Q 498.20>78.00 (-) 9.98e5



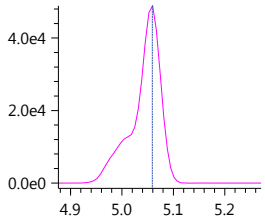
R1 498.20>64.10 (-) 4.98e4



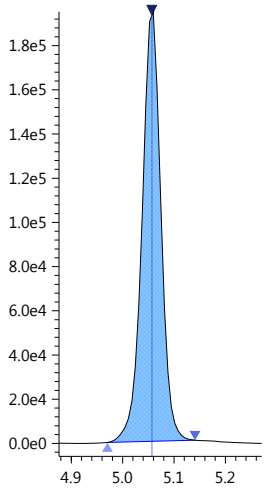
N-MeFOSAA
Conc 5.4414
RT 5.059 Area 359598
R#1 38.27 (0.00)
Q 570.20>419.00 (-) 1.29e5



R1 570.20>512.00 (-) 4.89e4



N-MeFOSAA-d3
Conc 4.7055
RT 5.057 Area 497958
Q 572.80>419.05 (-) 1.95e5



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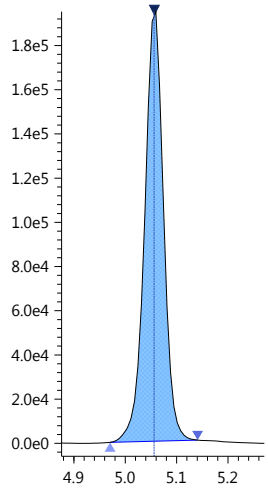
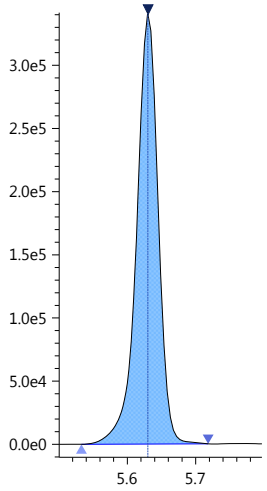
N-MeFOSAA-d3_IS
Conc 5.0000
RT 5.057 Area 497958

ISTD 572.80>419.05 (-) 1.95e5



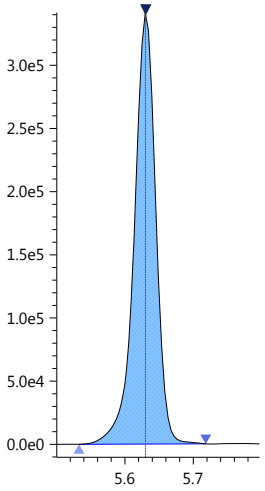
N-MeFOSA-d3_IS
Conc 5.0000
RT 5.630 Area 747008

ISTD 514.90>168.90 (-) 3.42e5



N-MeFOSA-d3
Conc 4.7192
RT 5.630 Area 747008

Q 514.90>168.90 (-) 3.42e5



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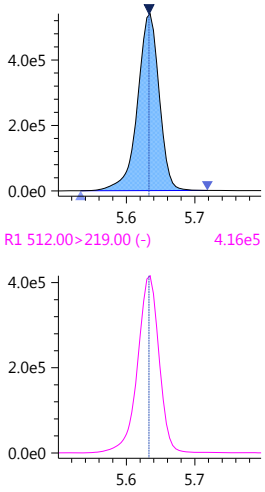
Conc 4.6620
RT 5.633 Area 1187206
R#1 77.52 (0.00)

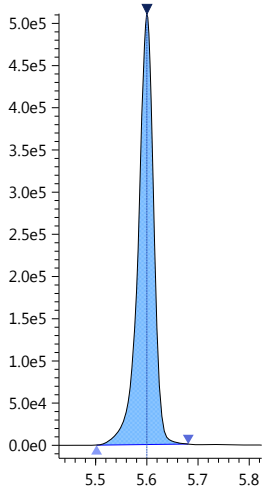
Q 512.00>169.10 (-) 5.42e5



R1 512.00>219.00 (-) 4.16e5

N-MeFOSE-d7
Conc 4.7146
RT 5.600 Area 1074417

Q 622.70>59.10 (-) 5.12e5



N-MeFOSE-d7_IS
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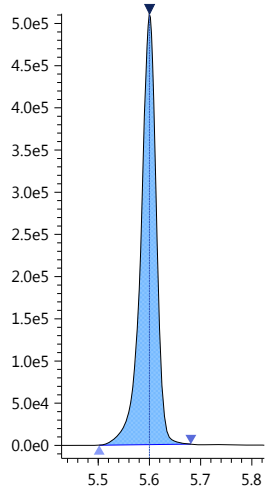
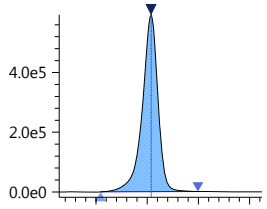
RT 5.600 Area 1074417

ISTD 622.70>59.10 (-) 5.12e5

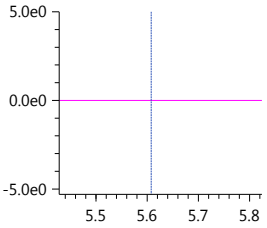


N-MeFOSE
Conc 4.8769
RT 5.608 Area 1252603
R#1 0.00 (0.00)

Q 616.00>59.00 (-) 5.94e5

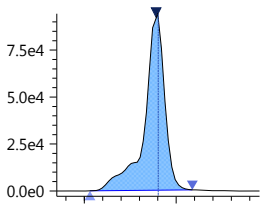


R1 556.00>121.20 (-) 0.00e0

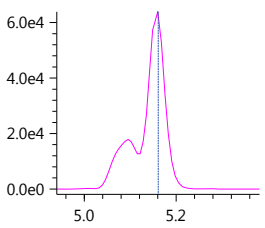


N-EtFOSAA
Conc 5.5271
RT 5.156 Area 285047
R#1 67.64 (0.00)

Q 584.20>418.95 (-) 9.44e4

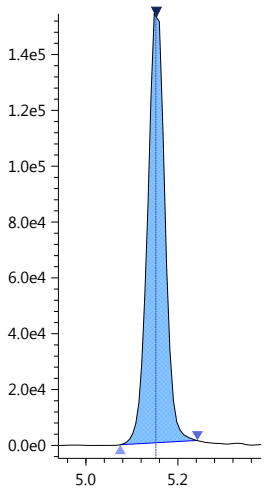


R1 584.20>526.10 (-) 6.39e4



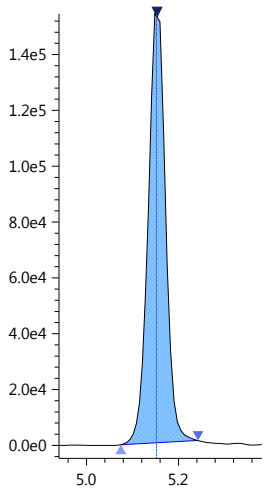
N-EtFOSAA-d5_IS
Conc 5.0000
RT 5.154 Area 408463

ISTD 588.80>419.00 (-) 1.55e5



N-EtFOSAA-d5
Conc 4.3830
RT 5.154 Area 408463

Q 588.80>419.00 (-) 1.55e5



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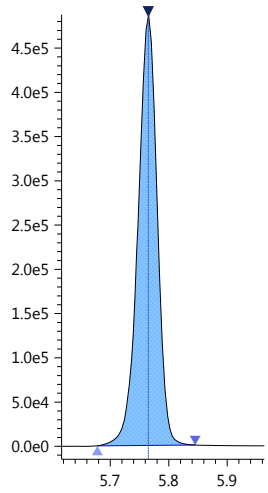
N-EtFOSA-d9_IS

Conc 5.0000
RT 5.765 Area 1111618

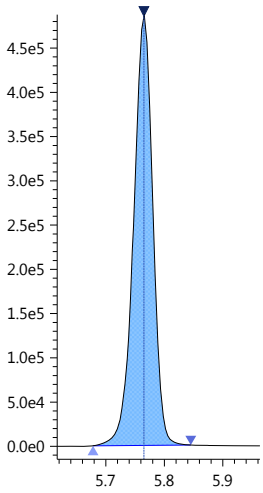
ISTD 530.90>169.15 (-) 4.88e5



N-EtFOSA-d9

Conc 4.7352
RT 5.765 Area 1111618

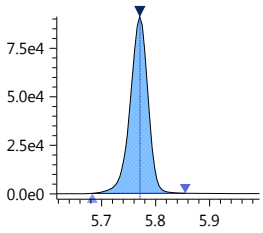
Q 530.90>169.15 (-) 4.88e5



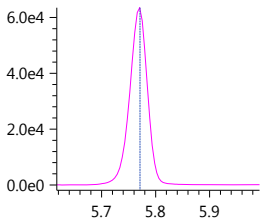
N-EtFOSA

Conc 4.6448
RT 5.771 Area 208146
R#1 69.80 (0.00)

Q 526.90>169.10 (-) 9.13e4



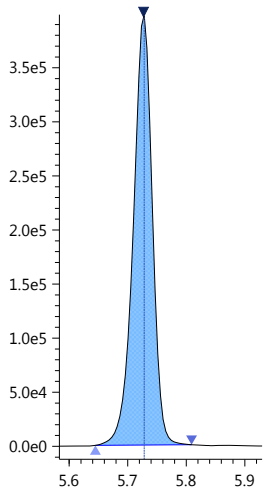
R1 526.90>219.00 (-) 6.35e4



N-EtFOSE-d9_IS

Conc 5.0000
RT 5.727 Area 900247

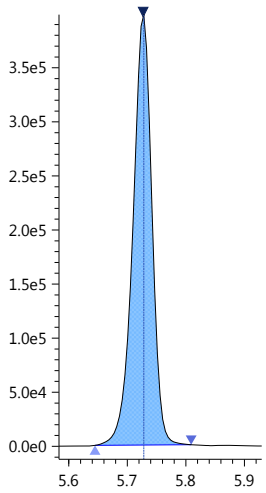
ISTD 638.70>59.10 (-) 3.99e5



N-EtFOSE-d9

Conc 4.8234
RT 5.727 Area 900247

Q 638.70>59.10 (-) 3.99e5



N-EtFOSE

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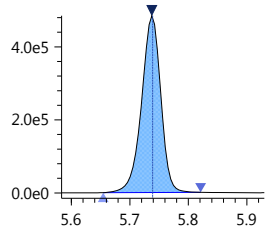
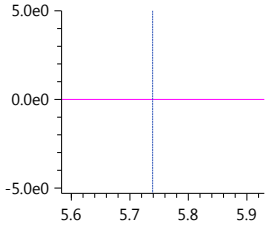
RT 5.738 Area 1102254
R#1 0.00 (0.00)

Q 630.00>58.90 (-) 4.85e5



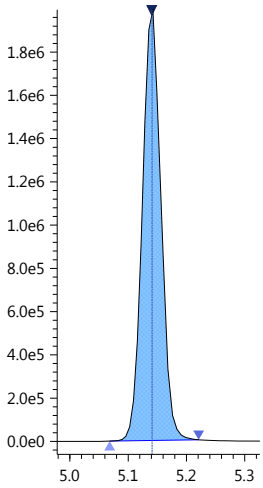
R1 570.00>136.10 (-) 0.00e0



13C7-PFUnDA_IS

Conc 5.0000
RT 5.140 Area 4426982

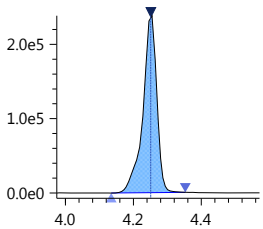
ISTD 570.00>525.00 (-) 2.00e6



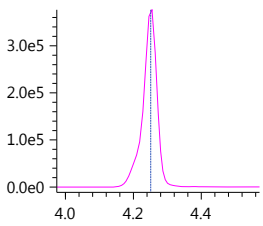
PFPeS

Conc 4.2275
RT 4.251 Area 678396
R#1 156.79 (0.00)

Q 349.00>99.00 (-) 2.39e5



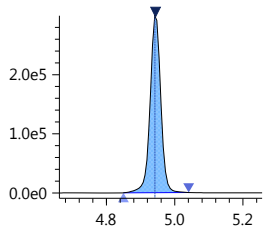
R1 349.00>79.95 (-) 3.76e5



PFNS

Conc 4.5271
RT 4.944 Area 648904
R#1 126.70 (0.00)

Q 549.00>99.00 (-) 3.00e5



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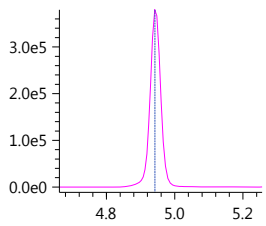

Insight Report

Printed at 6/19/2019 8:39:19 AM

190618_032

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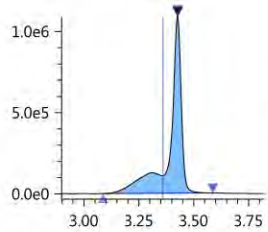
Date acquired: 6/18/2019 4:15:21 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190618_b1\190618_032.lcd
Vial: 32 | Inj. Volume: 15.0000uL | Tray: 1

PFBA-13C_IS
Conc 5.0000
RT 3.426 Area 3984470
ISTD 216.90>172.15 (-) 1.09e6



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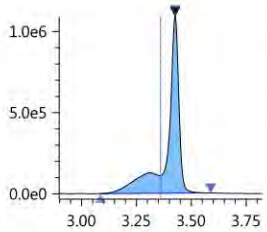

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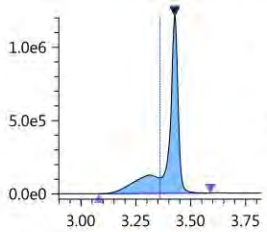
Conc 4.8004
RT 3.427 Area 3905757
Q 213.00>169.10 (-) 1.21e6



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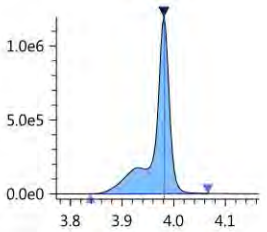
RT 3.981 Area 2428647
ISTD 267.90>223.00 (-) 1.20e6



PFPeA-13C
Conc 4.7424
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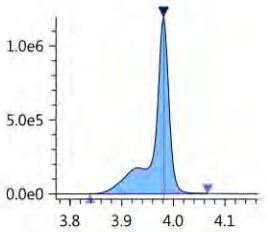
Q 267.90>223.00 (-) 1.20e6



PFPeA
Conc 3.0905
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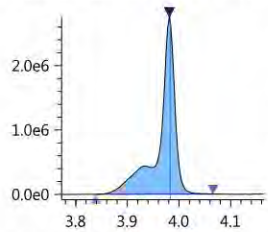

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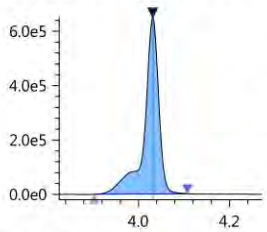
Conc 4.1750
RT 4.031 Area 1426478
Q 299.00>80.00 (-) 6.52e5



PFBS-13C
Conc 4.7218
RT 4.033 Area 1459253
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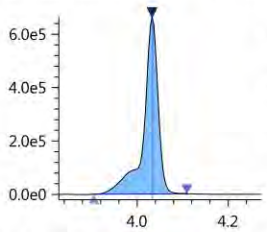

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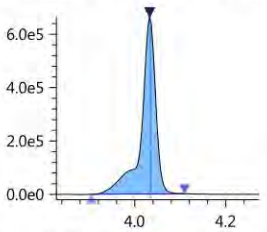

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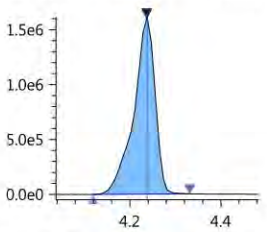

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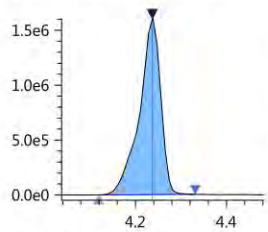

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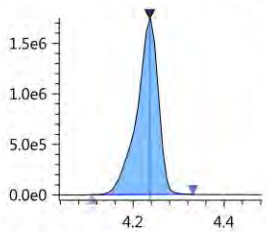
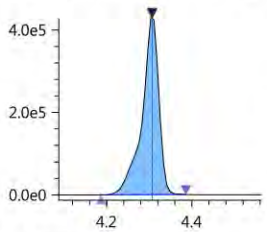
Q 313.00>269.00 (-) 1.75e6



HPFO_DA
Conc 4.8891
RT 4.307 Area 1178790
Q 329.00>169.00 (-) 4.30e5



HFPO_DA-13C_IS
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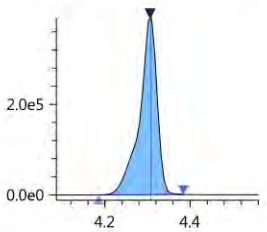
ISTD 332.00>286.80 (-) 3.91e5



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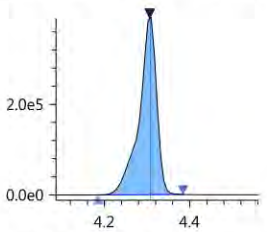
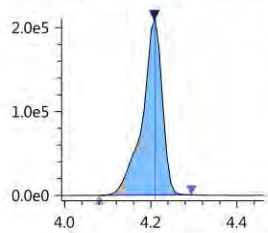


4_2-FTS-13C_IS
Conc 5.0000
RT 4.208 Area 669799
ISTD 328.80>309.05 (-) 2.11e5



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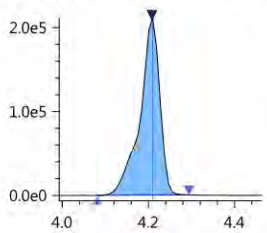

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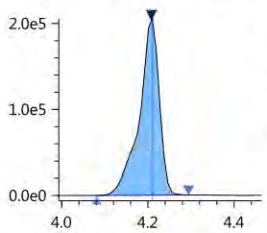
Q 327.00>307.05 (-) 2.06e5



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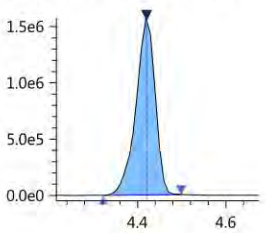
Q 362.90>319.00 (-) 1.57e6



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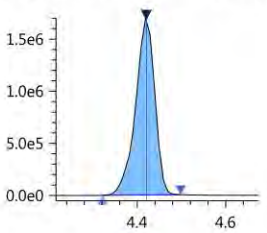

Insight Report

Printed at 6/19/2019 8:39:19 AM

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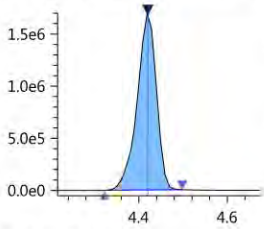

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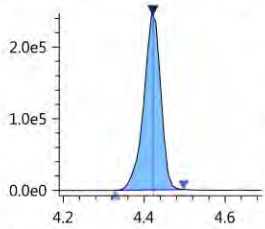
ISTD 402.70>84.05 (-) 2.47e5



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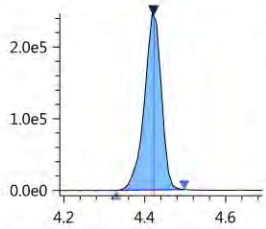

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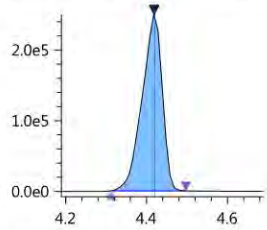
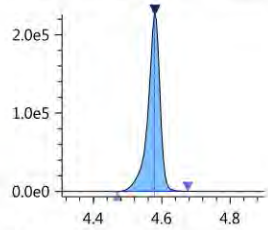
Conc 4.0693
RT 4.419 Area 862547
Q 399.00>80.00 (-) 2.51e5



6_2-FTS-13C
Conc 4.9255
RT 4.580 Area 551213
Q 428.90>409.00 (-) 2.26e5



6_2-FTS-13C_IS
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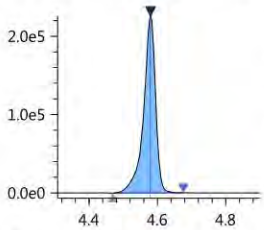
ISTD 428.90>409.00 (-) 2.26e5



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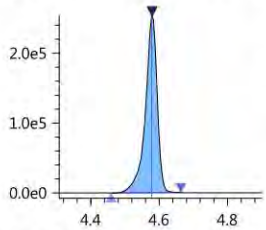
Q 427.00>407.00 (-) 2.54e5



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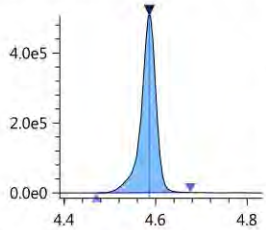
Conc 4.9409
RT 4.586 Area 1150435
Q 449.00>80.15 (-) 5.07e5



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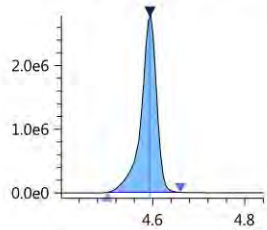

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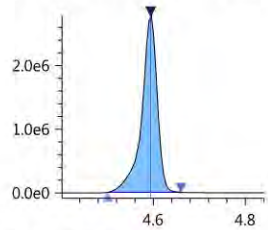

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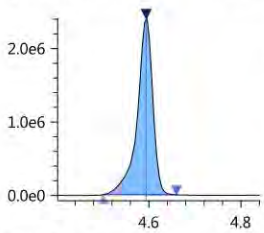
Q 413.00>369.00 (-) 2.41e6



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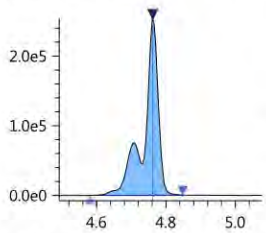
Q 499.00>80.00 (-) 2.54e5



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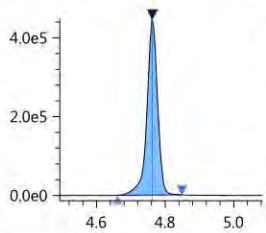
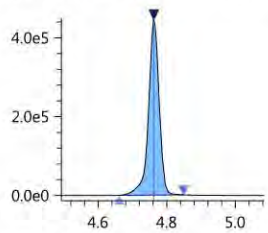


PFOS-13C
Conc 4.8187
RT 4.762 Area 961281
Q 502.80>80.05 (-) 4.50e5



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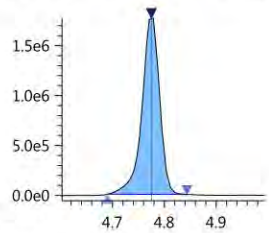
Conc 5.0000
RT 4.775 Area 4219849
ISTD 467.80>423.00 (-) 1.78e6



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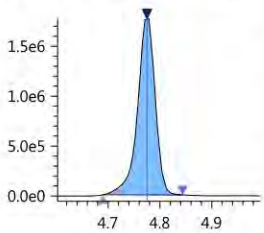
RT 4.775 Area 4219849
Q 467.80>423.00 (-) 1.78e6



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Conc 4.4927
RT 4.775 Area 3751646
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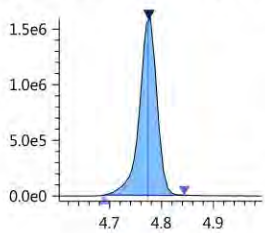

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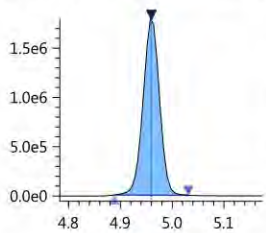

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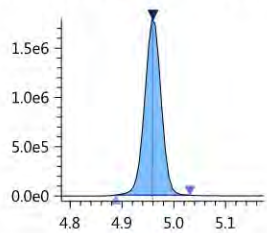

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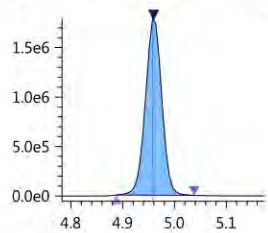

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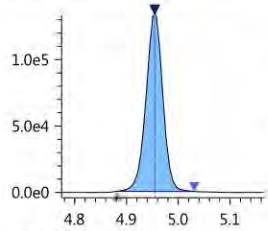
8_2-FTS-13C_IS
Conc 5.0000
RT 4.954 Area 302071
ISTD 528.80>509.00 (-) 1.34e5



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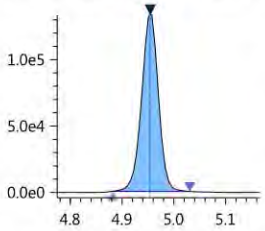

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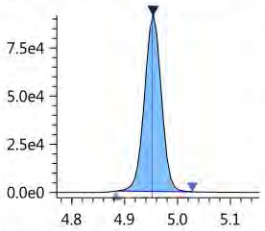

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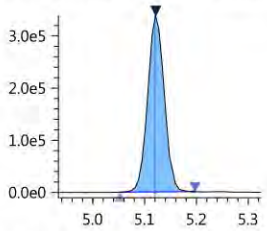

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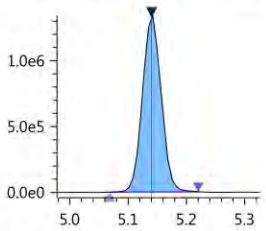

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Conc 5.0000
RT 5.141 Area 3460643
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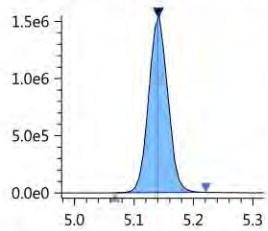

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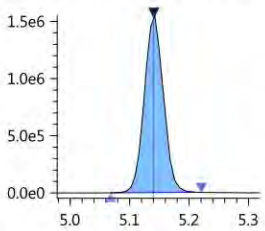

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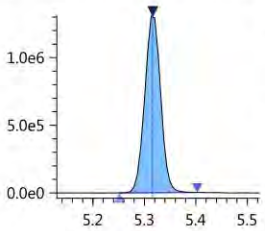
Q 613.05>569.00 (-) 1.31e6



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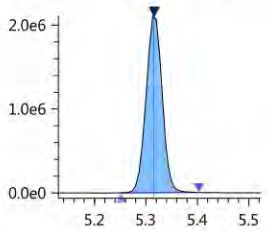

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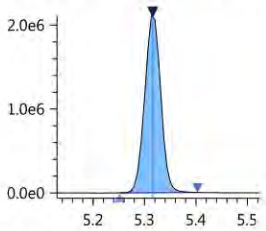

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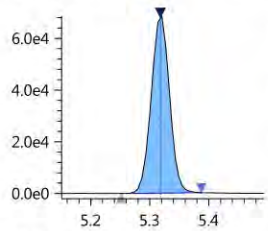

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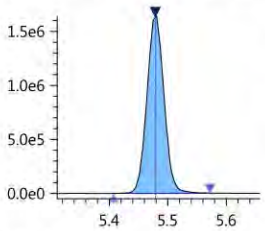

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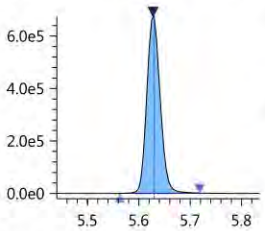

PFTeDA-13C
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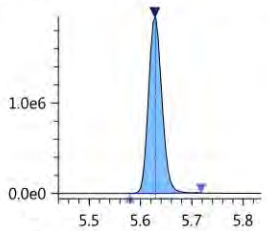
Q 714.70>669.90 (-) 1.96e6



PFTeDA-13C_IS
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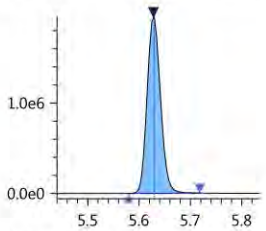
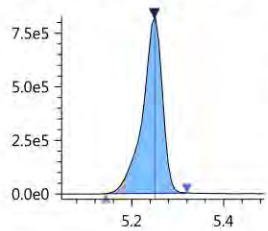


FOSA-13C_IS
Conc 5.0000
RT 5.249 Area 2457350
ISTD 506.00>78.05 (-) 8.27e5



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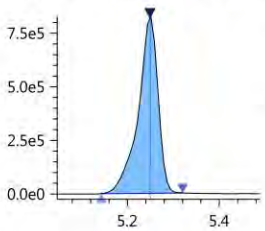

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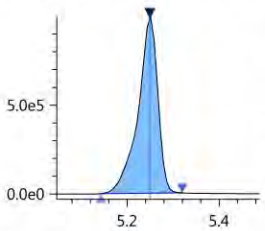

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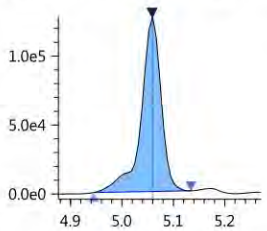

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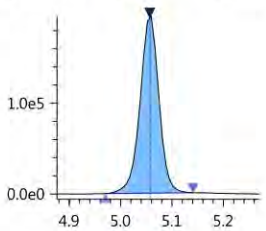

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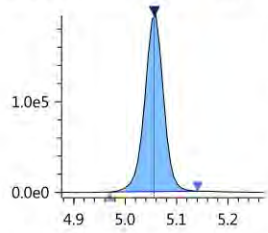

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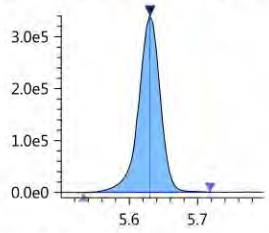
RT 5.630 Area 747008
ISTD 514.90>168.90 (-) 3.42e5



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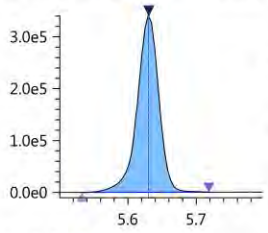

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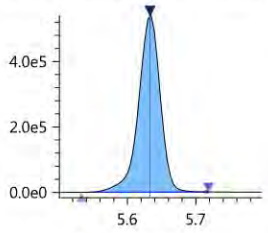

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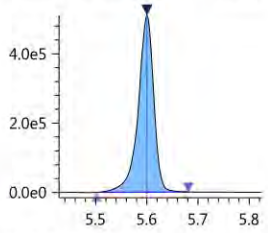
Q 622.70>59.10 (-) 5.12e5



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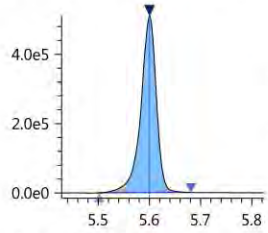

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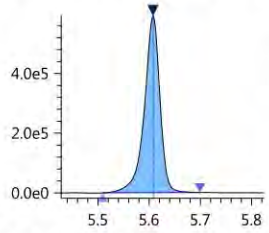
Q 616.00>59.00 (-) 5.94e5



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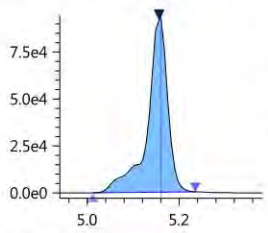

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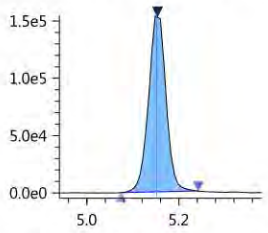

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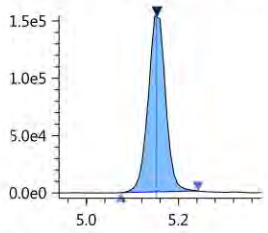

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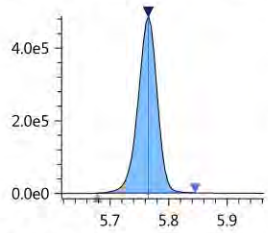

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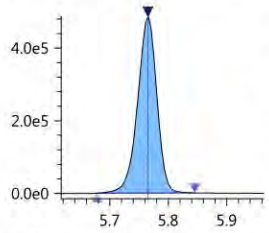

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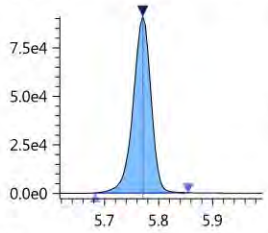

N-EtFOSE-d9_IS
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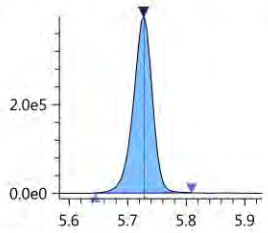

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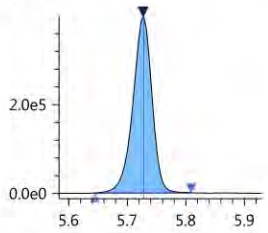
Q 638.70>59.10 (-) 3.99e5



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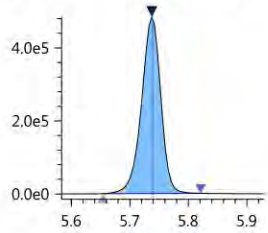

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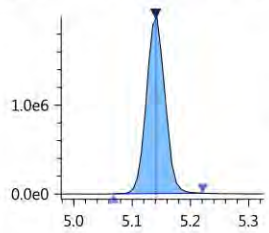
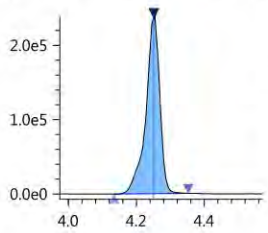
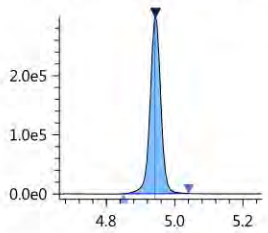


PFPeS
Conc 4.2275
RT 4.251 Area 678396
Q 349.00>99.00 (-) 2.39e5



PFNS
Conc 4.5476
RT 4.944 Area 648904
Q 549.00>99.00 (-) 3.00e5



Insight Report

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190618_033

Sample ID: 10.0 PPB ICAL
Date acquired: 6/18/2019 4:25:51 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190618_b1\190618_033.lcd
Vial: 33 | Inj. Volume: 15.0000uL | Tray: 1

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
PFBA-13C_IS	Auto	3.426	3898503	3898503	2	5.0000	ng/mL	5.0000
PFBA-13C	Auto	3.426	3898503	4011702	26	5.0906	ng/mL	5.0000
PFBA	Auto	3.428	7937359	3898503	2	9.9705	ng/mL	10.0000
PFPeA-13C_IS	Auto	3.981	2316730	2316730	4	5.0000	ng/mL	5.0000
PFPeA-13C	Auto	3.981	2316730	4011702	26	4.9922	ng/mL	5.0000
PFPeA	Auto	3.981	11387307	2316730	4	10.0708	ng/mL	10.0000
PFBS_1	Auto	4.031	2899711	1430395	16	8.6381	ng/mL	8.8737
PFBS-13C	Auto	4.033	1430395	4011702	26	5.1075	ng/mL	5.0000
PFBS-13C_IS	Auto	4.033	1430395	1430395	16	5.0000	ng/mL	5.0000
PFHxA-13C_IS	Auto	4.236	4933304	4933304	6	5.0000	ng/mL	5.0000
PFHxA-13C	Auto	4.236	4933304	4011702	26	4.7158	ng/mL	5.0000
PFHxA	Auto	4.236	11089395	4933304	6	9.9205	ng/mL	10.0000
HPFO_DA	Auto	4.307	2411642	1125127	3	9.7992	ng/mL	10.0000
HFPO_DA-13C_IS	Auto	4.306	1125127	1125127	3	5.0000	ng/mL	5.0000
HFPO_DA-13C	Auto	4.306	1125127	4011702	26	5.3462	ng/mL	5.0000
4_2-FTS-13C_IS	Auto	4.208	657348	657348	5	5.0000	ng/mL	5.0000
4_2-FTS-13C	Auto	4.208	657348	4011702	26	5.0455	ng/mL	5.0000
4_2-FTS_1	Auto	4.208	1306165	657348	5	8.8241	ng/mL	9.3722
PFHpA	Auto	4.420	8912342	4757757	8	9.9604	ng/mL	10.0000
PFHpA-13C_IS	Auto	4.420	4757757	4757757	8	5.0000	ng/mL	5.0000
PFHpA-13C	Auto	4.420	4757757	4011702	26	4.6887	ng/mL	5.0000
PFHxS-18O_IS	Auto	4.421	713017	713017	7	5.0000	ng/mL	5.0000
PFHxS-18O	Auto	4.421	713017	4011702	26	4.9509	ng/mL	5.0000
PFHxS_1	Auto	4.419	1753860	713017	7	9.6040	ng/mL	9.1308
6_2-FTS-13C	Auto	4.579	514699	4011702	26	5.0753	ng/mL	5.0000
6_2-FTS-13C_IS	Auto	4.579	514699	514699	10	5.0000	ng/mL	5.0000
6_2-FTS_1	Auto	4.579	1102631	514699	10	8.6746	ng/mL	9.5117
PFHpS_1	Auto	4.586	2270038	713017	7	9.8161	ng/mL	9.5344
PFOA-13C_IS	Auto	4.595	5748199	5748199	9	5.0000	ng/mL	5.0000
PFOA-13C	Auto	4.595	5748199	4011702	26	4.6678	ng/mL	5.0000
PFOA	Auto	4.595	10717701	5748199	9	10.2643	ng/mL	10.0000
PFOS_1	Auto	4.762	1430011	936993	13	9.1436	ng/mL	9.2923
PFOS-13C_IS	Auto	4.763	936993	936993	13	5.0000	ng/mL	5.0000
PFOS-13C	Auto	4.763	936993	4011702	26	5.1832	ng/mL	5.0000
PFNA-13C_IS	Auto	4.775	3971203	3971203	11	5.0000	ng/mL	5.0000
PFNA-13C	Auto	4.775	3971203	4011702	26	4.8020	ng/mL	5.0000
PFNA	Auto	4.776	7037240	3971203	11	9.8973	ng/mL	10.0000
PFDA-13C_IS	Auto	4.960	3805011	3805011	12	5.0000	ng/mL	5.0000
PFDA-13C	Auto	4.960	3805011	4011702	26	4.9131	ng/mL	5.0000
PFDA	Auto	4.960	7480002	3805011	12	9.6564	ng/mL	10.0000
8_2-FTS-13C_IS	Auto	4.955	289170	289170	15	5.0000	ng/mL	5.0000
8_2-FTS-13C	Auto	4.955	289170	4011702	26	5.1325	ng/mL	5.0000
8_2-FTS_1	Auto	4.954	382280	289170	15	8.6625	ng/mL	9.6004
PFDS_1	Auto	5.122	1486700	936993	13	8.8265	ng/mL	9.6467
PFUnA	Auto	5.141	5512360	3186167	14	10.0393	ng/mL	10.0000
PFUnA-13C_IS	Auto	5.141	3186167	3186167	14	5.0000	ng/mL	5.0000
PFUnA-13C	Auto	5.141	3186167	4011702	26	5.0068	ng/mL	5.0000
PFDoA	Auto	5.316	5463699	4389032	17	10.1260	ng/mL	10.0000
PFDoA-13C	Auto	5.316	4389032	4011702	26	4.9034	ng/mL	5.0000
PFDoA-13C_IS	Auto	5.316	4389032	4389032	17	5.0000	ng/mL	5.0000
10_2-FtS_1	Auto	5.318	291801	289170	15	9.4758	ng/mL	9.6619
PFTrDA	Auto	5.479	6390105	3270172	22	10.1422	ng/mL	10.0000
PFTeDA	Auto	5.627	2268899	3270172	22	10.0733	ng/mL	10.0000
PFTeDA-13C	Auto	5.627	3270172	4011702	26	4.7962	ng/mL	5.0000
PFTeDA-13C_IS	Auto	5.627	3270172	3270172	22	5.0000	ng/mL	5.0000
FOSA-13C_IS	Auto	5.250	2373605	2373605	18	5.0000	ng/mL	5.0000
FOSA-13C	Auto	5.250	2373605	4011702	26	5.0028	ng/mL	5.0000
FOSA	Auto	5.250	5999116	2373605	18	9.8759	ng/mL	10.0000
N-MeFOSAA	Auto	5.059	713342	513679	19	10.4638	ng/mL	10.0000
N-MeFOSAA-d3	Auto	5.057	513679	4011702	26	5.3566	ng/mL	5.0000
N-MeFOSAA-d3_IS	Auto	5.057	513679	513679	19	5.0000	ng/mL	5.0000
N-MeFOSA-d3_IS	Auto	5.630	724420	724420	1	5.0000	ng/mL	5.0000
N-MeFOSA-d3	Auto	5.630	724420	4011702	26	5.0503	ng/mL	5.0000
N-MeFOSA	Auto	5.633	2455408	724420	1	9.9428	ng/mL	10.0000
N-MeFOSE-d7	Auto	5.600	1056907	4011702	26	5.1178	ng/mL	5.0000
N-MeFOSE-d7_IS	Auto	5.600	1056907	1056907	20	5.0000	ng/mL	5.0000
N-MeFOSE	Auto	5.607	2536710	1056907	20	10.0400	ng/mL	10.0000
N-EtFOSAA	Auto	5.157	511584	426618	21	9.4974	ng/mL	10.0000

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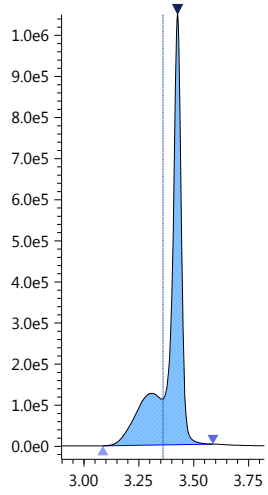
(Table continued from previous page)

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
N-EtFOSAA-d5_IS	Auto	5.154	426618	426618	21	5.0000	ng/mL	5.0000
N-EtFOSAA-d5	Auto	5.154	426618	4011702	26	5.0516	ng/mL	5.0000
N-EtFOSA-d9_IS	Auto	5.764	1092402	1092402	23	5.0000	ng/mL	5.0000
N-EtFOSA-d9	Auto	5.764	1092402	4011702	26	5.1351	ng/mL	5.0000
N-EtFOSA	Auto	5.770	423786	1092402	23	9.6232	ng/mL	10.0000
N-EtFOSE-d9_IS	Auto	5.726	888713	888713	24	5.0000	ng/mL	5.0000
N-EtFOSE-d9	Auto	5.726	888713	4011702	26	5.2545	ng/mL	5.0000
N-EtFOSE	Auto	5.737	2233888	888713	24	9.6151	ng/mL	10.0000
13C7-PFUnDA_IS	Auto	5.141	4011702	4011702	26	5.0000	ng/mL	5.0000
PFPeS	Auto	4.251	1469026	1430395	16	9.3390	ng/mL	9.4092
PFNS	Auto	4.943	1278537	936993	13	9.1510	ng/mL	9.6158

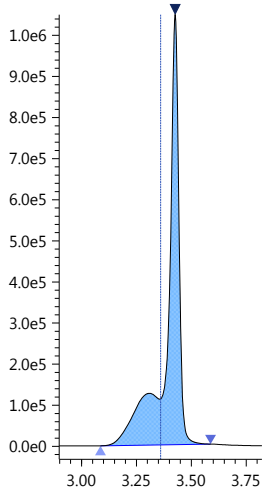
PFBA-13C_IS

Conc 5.0000
RT 3.426 Area 3898503
ISTD 216.90>172.15 (-) 1.05e6



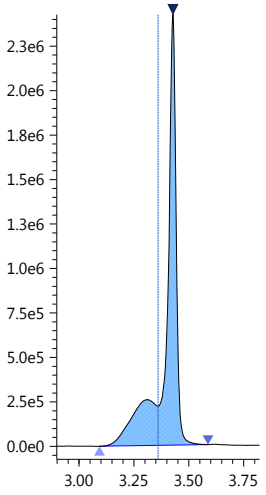
PFBA-13C

Conc 5.0906
RT 3.426 Area 3898503
Q 216.90>172.15 (-) 1.05e6



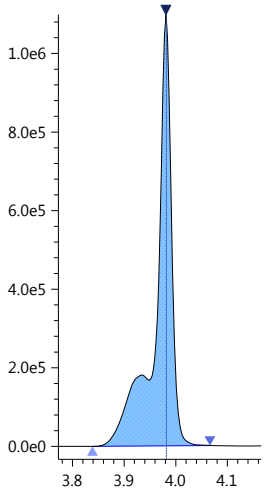
PFBA

Conc 9.9705
RT 3.428 Area 7937359
Q 213.00>169.10 (-) 2.43e6



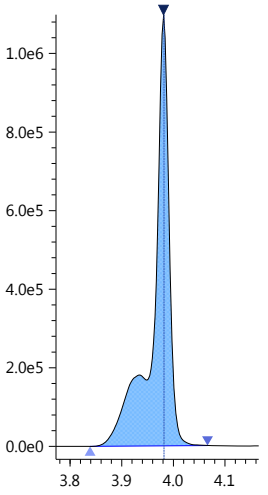
PFPeA-13C_IS

Conc 5.0000
RT 3.981 Area 2316730
ISTD 267.90>223.00 (-) 1.10e6



PFPeA-13C

Conc 4.9922
RT 3.981 Area 2316730
Q 267.90>223.00 (-) 1.10e6



PFPeA

Conc 10.0708
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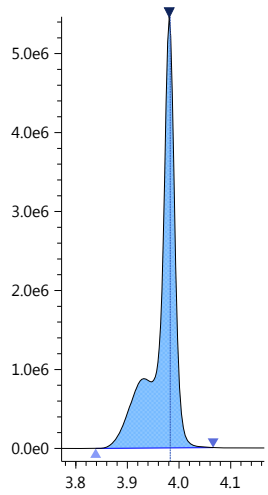
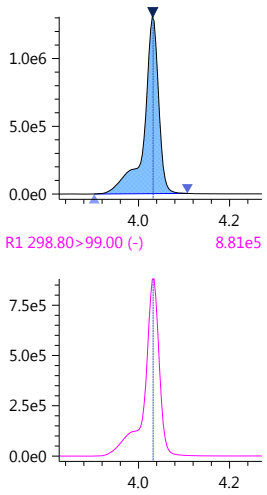
Q 263.05>219.10 (-) 5.47e6



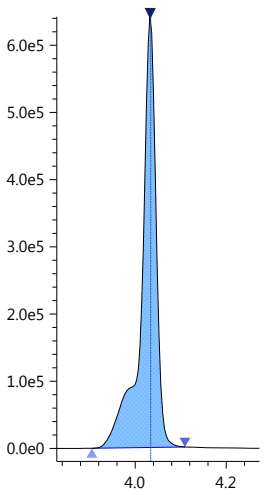
PFBS_1

Conc 8.6381
RT 4.031 Area 2899711
R#1 66.97 (0.00)
Q 299.00>80.00 (-) 1.31e6



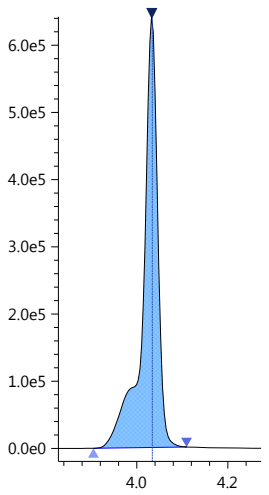
PFBS-13C

Conc 5.1075
RT 4.033 Area 1430395
Q 301.80>80.00 (-) 6.42e5



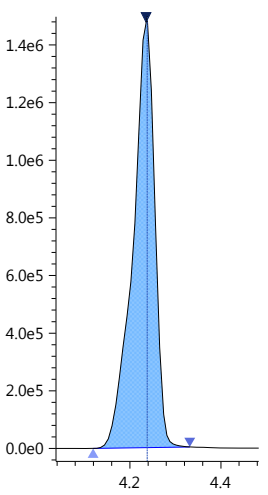
PFBS-13C_IS

Conc 5.0000
RT 4.033 Area 1430395
ISTD 301.80>80.00 (-) 6.42e5



PFHxA-13C_IS

Conc 5.0000
RT 4.236 Area 4933304
ISTD 314.90>270.10 (-) 1.50e6



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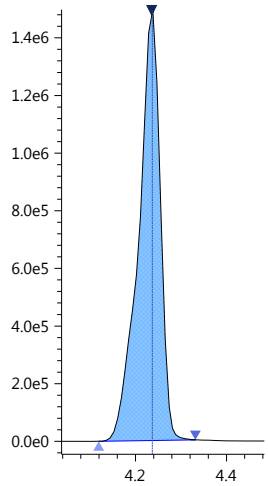
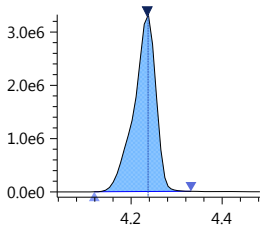
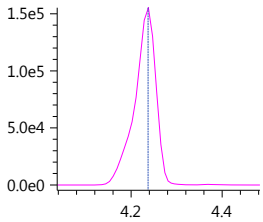
PFHxA-13C
Conc 4.7158
RT 4.236 Area 4933304
Q 314.90>270.10 (-) 1.50e6



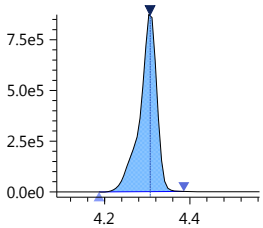
PFHxA
Conc 9.9205
RT 4.236 Area 11089395
R#1 4.67 (0.00)
Q 313.00>269.00 (-) 3.33e6



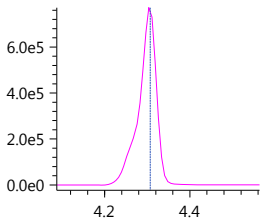
R1 313.00>119.10 (-) 1.55e5



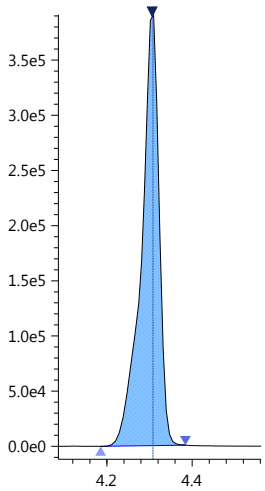
HPFO_DA
Conc 9.7992
RT 4.307 Area 2411642
R#1 88.08 (0.00)
Q 329.00>169.00 (-) 8.74e5



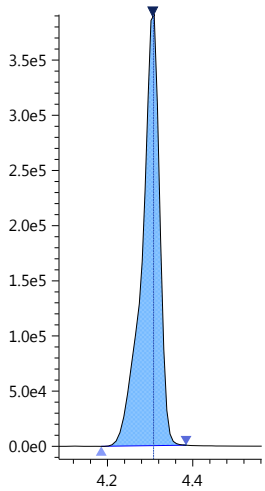
R1 329.00>285.10 (-) 7.71e5



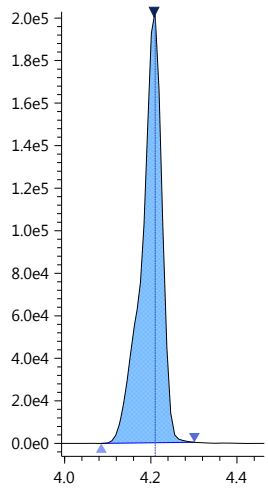
HFPO_DA-13C_IS
Conc 5.0000
RT 4.306 Area 1125127
ISTD 332.00>286.80 (-) 3.91e5



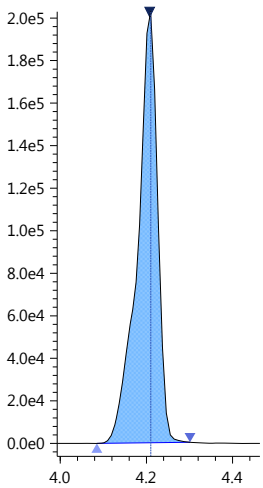
HFPO_DA-13C
Conc 5.3462
RT 4.306 Area 1125127
Q 332.00>286.80 (-) 3.91e5



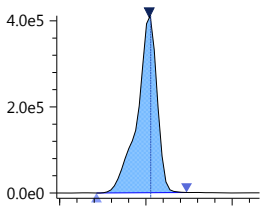
4_2-FTS-13C_IS
Conc 5.0000
RT 4.208 Area 657348
ISTD 328.80>309.05 (-) 2.03e5



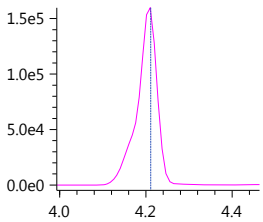
4_2-FTS-13C
Conc 5.0455
RT 4.208 Area 657348
Q 328.80>309.05 (-) 2.03e5



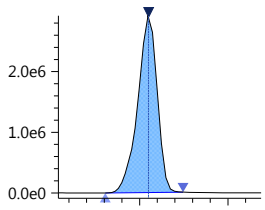
4_2-FTS_1
Conc 8.8241
RT 4.208 Area 1306165
R#1 38.71 (0.00)
Q 327.00>307.05 (-) 4.12e5



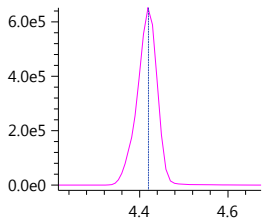
R1 327.00>81.10 (-) 1.60e5



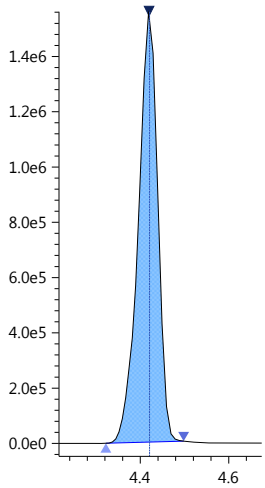
PFHpA
Conc 9.9604
RT 4.420 Area 8912342
R#1 22.33 (0.00)
Q 362.90>319.00 (-) 2.92e6



R1 362.90>169.00 (-) 6.52e5



PFHpA-13C_IS
Conc 5.0000
RT 4.420 Area 4757757
ISTD 366.90>322.10 (-) 1.56e6



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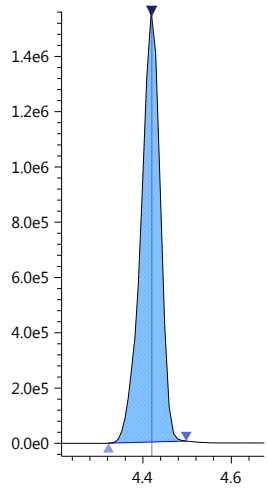
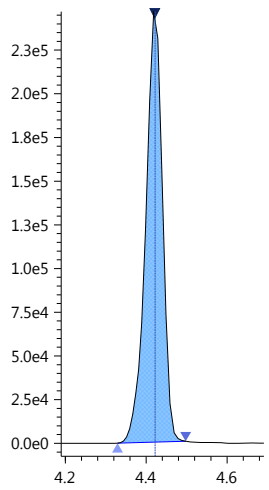
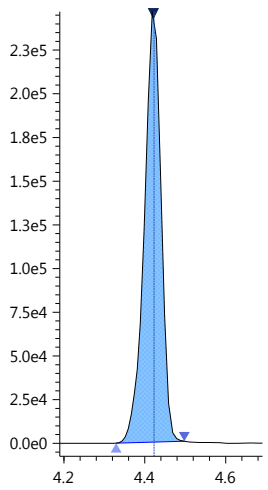
PFHpA-13C
Conc 4.6887
RT 4.420 Area 4757757
Q 366.90>322.10 (-) 1.56e6



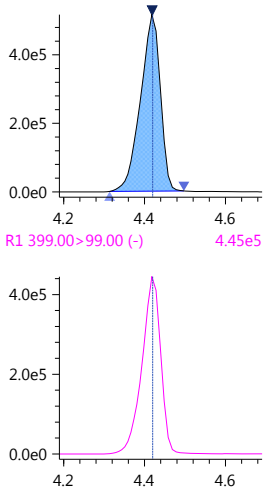
PFHxS-18O_IS
Conc 5.0000
RT 4.421 Area 713017
ISTD 402.70>84.05 (-) 2.47e5



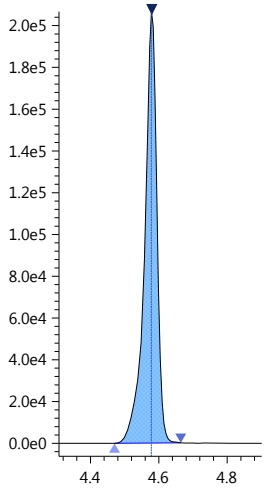
PFHxS-18O
Conc 4.9509
RT 4.421 Area 713017
Q 402.70>84.05 (-) 2.47e5



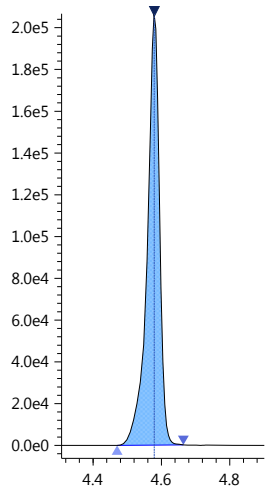
PFHxS_1
Conc 9.6040
RT 4.419 Area 1753860
R#1 85.75 (0.00)
Q 399.00>80.00 (-) 5.17e5



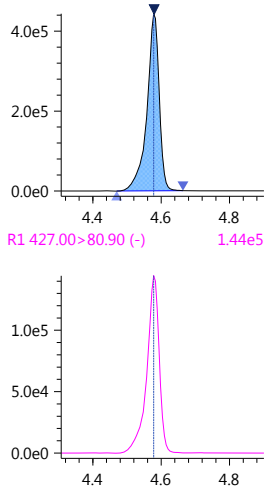
6_2-FTS-13C
Conc 5.0753
RT 4.579 Area 514699
Q 428.90>409.00 (-) 2.07e5



6_2-FTS-13C_IS
Conc 5.0000
RT 4.579 Area 514699
ISTD 428.90>409.00 (-) 2.07e5



6_2-FTS_1
Conc 8.6746
RT 4.579 Area 1102631
R#1 32.54 (0.00)
Q 427.00>407.00 (-) 4.44e5



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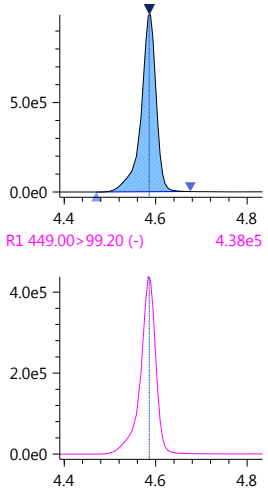
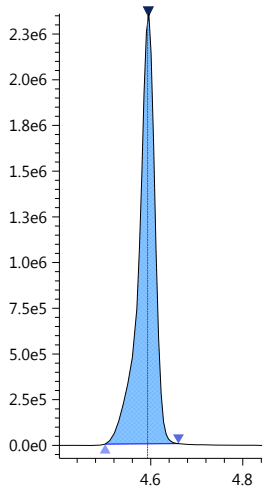
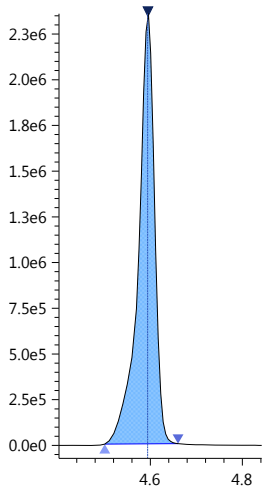
Conc 9.8161
RT 4.586 Area 2270038
R#1 44.57 (0.00)
Q 449.00>80.15 (-) 9.91e5



PFOA-13C_IS
Conc 5.0000
RT 4.595 Area 5748199
ISTD 416.80>372.05 (-) 2.36e6



PFOA-13C
Conc 4.6678
RT 4.595 Area 5748199
Q 416.80>372.05 (-) 2.36e6



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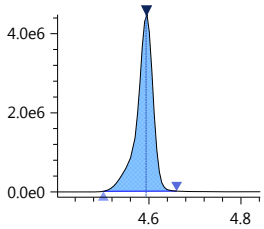
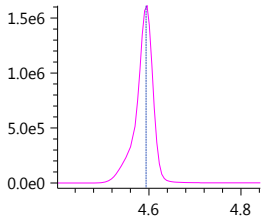
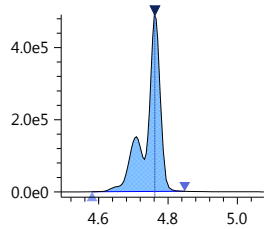
PFOA
Conc 10.2643
RT 4.595 Area 10717701
R#1 35.94 (0.00)
Q 413.00>369.00 (-) 4.48e6



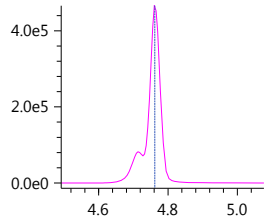
R1 413.00>169.10 (-) 1.61e6



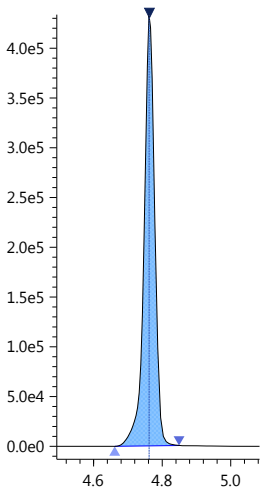
PFOS_1
Conc 9.1436
RT 4.762 Area 1430011
R#1 93.87 (0.00)
Q 499.00>80.00 (-) 4.91e5



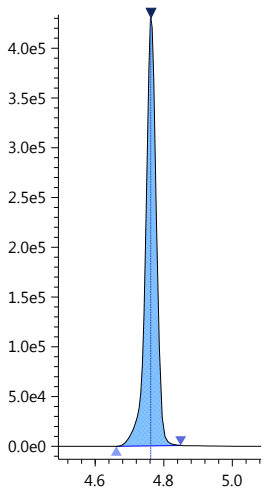
R1 499.00>99.00 (-) 4.66e5



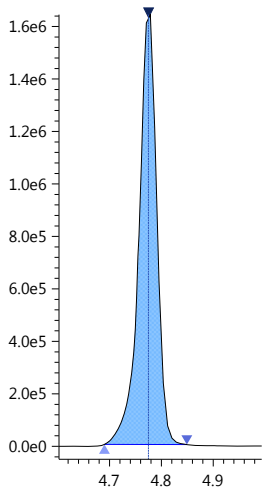
PFOS-13C_IS
Conc 5.0000
RT 4.763 Area 936993
ISTD 502.80>80.05 (-) 4.34e5



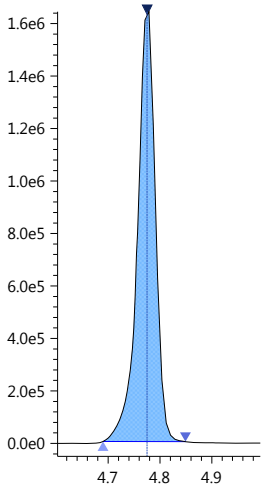
PFOS-13C
Conc 5.1832
RT 4.763 Area 936993
Q 502.80>80.05 (-) 4.34e5



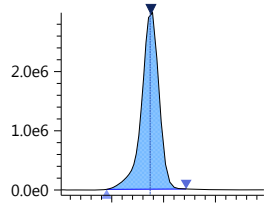
PFNA-13C_IS
Conc 5.0000
RT 4.775 Area 3971203
ISTD 467.80>423.00 (-) 1.65e6



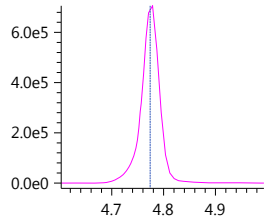
PFNA-13C
Conc 4.8020
RT 4.775 Area 3971203
Q 467.80>423.00 (-) 1.65e6



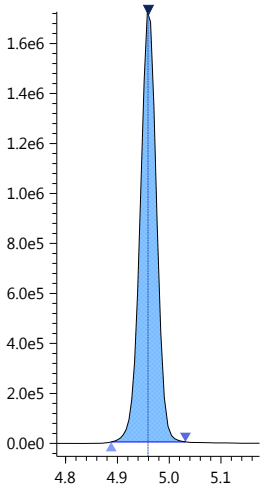
PFNA
Conc 9.8973
RT 4.776 Area 7037240
R#1 23.58 (0.00)
Q 463.00>418.90 (-) 3.00e6



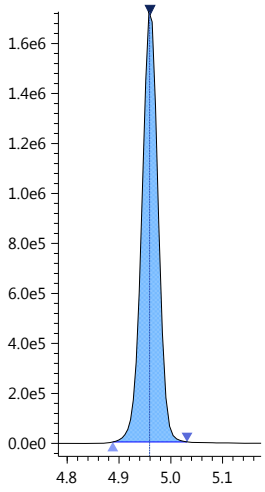
R1 463.00>219.00 (-) 7.06e5



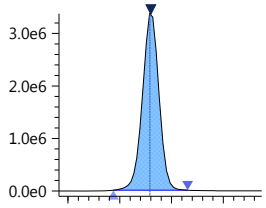
PFDA-13C_IS
Conc 5.0000
RT 4.960 Area 3805011
ISTD 514.80>469.95 (-) 1.73e6



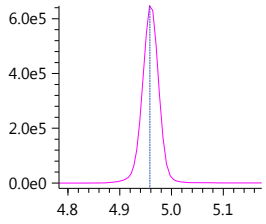
PFDA-13C
Conc 4.9131
RT 4.960 Area 3805011
Q 514.80>469.95 (-) 1.73e6



PFDA
Conc 9.6564
RT 4.960 Area 7480002
R#1 19.02 (0.00)
Q 513.00>468.80 (-) 3.38e6



R1 513.00>219.10 (-) 6.47e5



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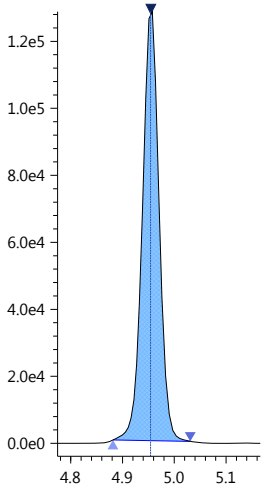
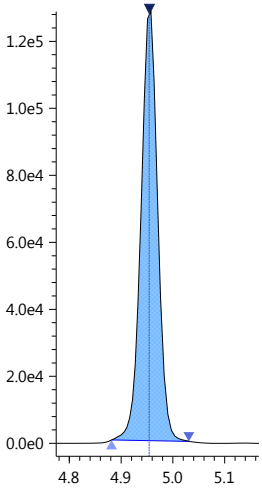
8_2-FTS-13C_IS
Conc 5.0000
RT 4.955 Area 289170

ISTD 528.80>509.00 (-) 1.29e5



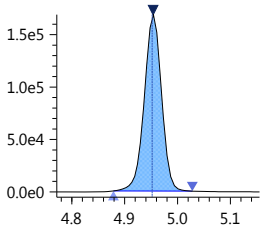
8_2-FTS-13C
Conc 5.1325
RT 4.955 Area 289170

Q 528.80>509.00 (-) 1.29e5

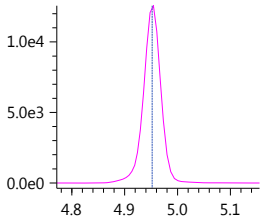


8_2-FTS_1
Conc 8.6625
RT 4.954 Area 382280
R#1 7.44 (0.00)

Q 527.10>506.90 (-) 1.69e5

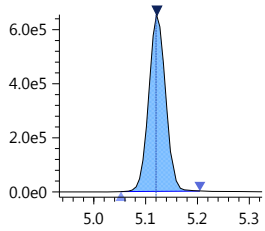


R1 527.20>487.00 (-) 1.26e4

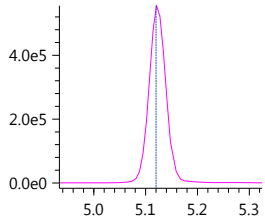


PFDS_1
Conc 8.8265
RT 5.122 Area 1486700
R#1 84.71 (0.00)

Q 599.00>79.90 (-) 6.56e5

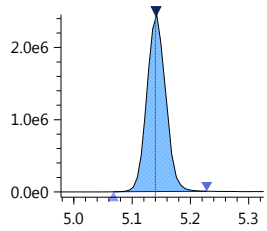


R1 599.00>99.10 (-) 5.55e5

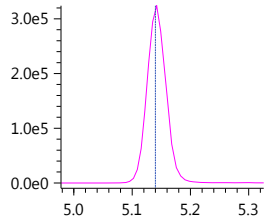


PFUnA
Conc 10.0393
RT 5.141 Area 5512360
R#1 13.25 (0.00)

Q 563.00>518.90 (-) 2.45e6

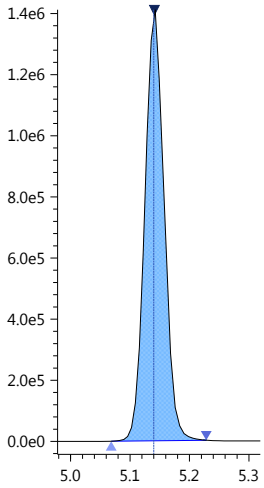


R1 563.00>219.00 (-) 3.24e5



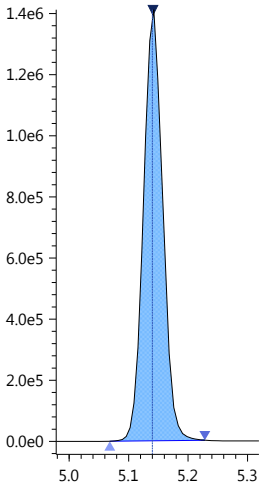
PFUnA-13C_IS
Conc 5.0000
RT 5.141 Area 3186167

ISTD 564.80>519.95 (-) 1.41e6



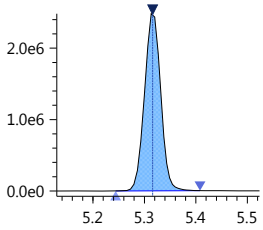
PFUnA-13C
Conc 5.0068
RT 5.141 Area 3186167

Q 564.80>519.95 (-) 1.41e6

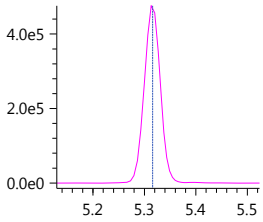


PFDoA
Conc 10.1260
RT 5.316 Area 5463699
R#1 19.18 (0.00)

Q 613.05>569.00 (-) 2.48e6

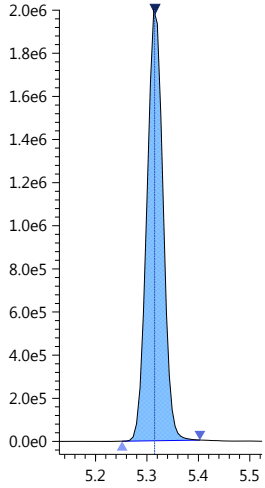


R1 613.05>169.00 (-) 4.76e5



PFDoA-13C
Conc 4.9034
RT 5.316 Area 4389032

Q 614.80>569.95 (-) 2.00e6



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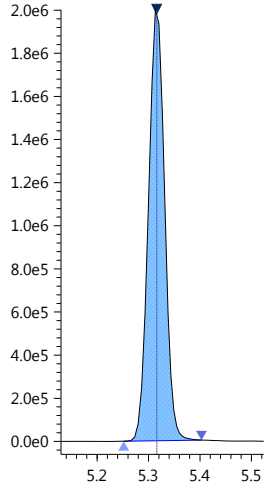
Conc 5.0000
RT 5.316 Area 4389032

ISTD 614.80>569.95 (-) 2.00e6



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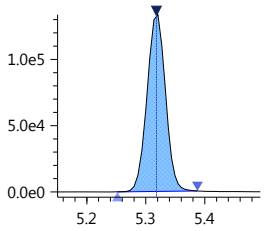
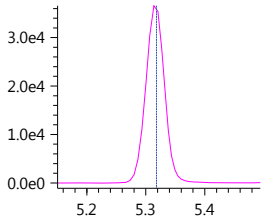
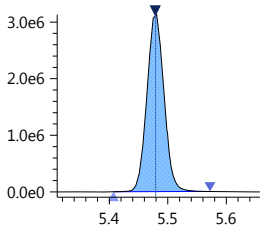
10_2-FtS_1
Conc 9.4758
RT 5.318 Area 291801
R#1 26.38 (0.00)
Q 627.00>606.95 (-) 1.34e5



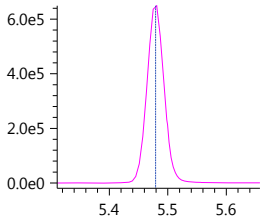
R1 627.00>81.25 (-) 3.66e4



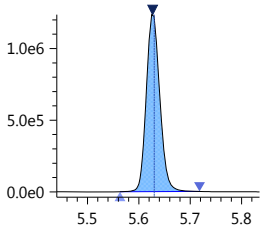
PFTrDA
Conc 10.1422
RT 5.479 Area 6390105
R#1 20.74 (0.00)
Q 663.00>618.90 (-) 3.13e6



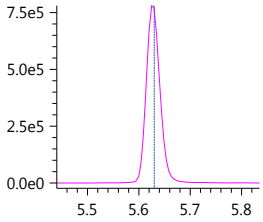
R1 662.90>169.00 (-) 6.49e5



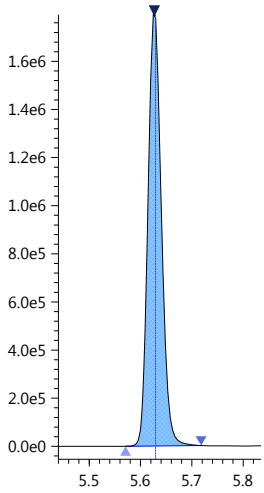
PFTeDA
Conc 10.0733
RT 5.627 Area 2268899
R#1 62.76 (0.00)
Q 713.40>669.00 (-) 1.24e6



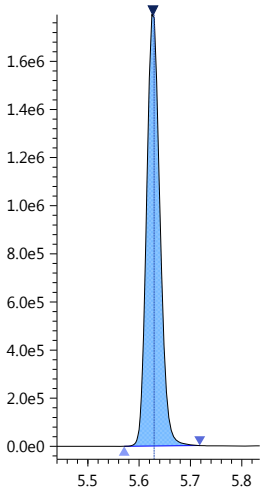
R1 713.40>169.10 (-) 7.80e5



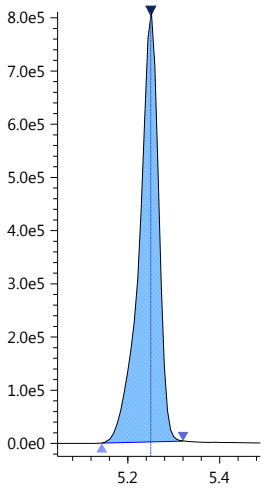
PFTeDA-13C
Conc 4.7962
RT 5.627 Area 3270172
Q 714.70>669.90 (-) 1.79e6



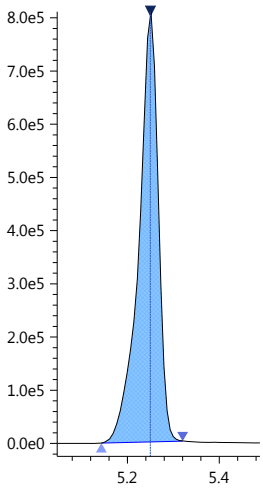
PFTeDA-13C_IS
Conc 5.0000
RT 5.627 Area 3270172
ISTD 714.70>669.90 (-) 1.79e6



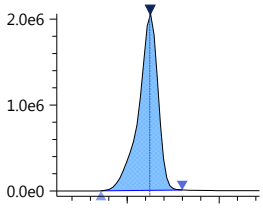
FOSA-13C_IS
Conc 5.0000
RT 5.250 Area 2373605
ISTD 506.00>78.05 (-) 8.11e5



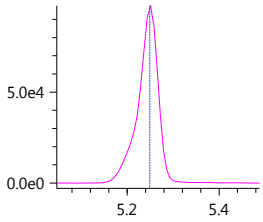
FOSA-13C
Conc 5.0028
RT 5.250 Area 2373605
Q 506.00>78.05 (-) 8.11e5



FOSA
Conc 9.8759
RT 5.250 Area 5999116
R#1 4.72 (0.00)
Q 498.20>78.00 (-) 2.06e6



R1 498.20>64.10 (-) 9.75e4



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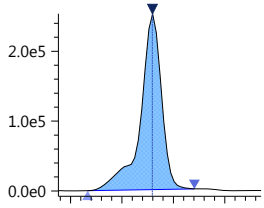
Conc 10.4638
RT 5.059 Area 713342
R#1 39.34 (0.00)
Q 570.20>419.00 (-) 2.54e5



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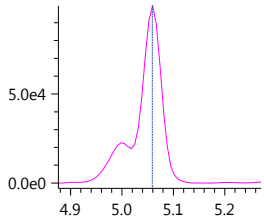
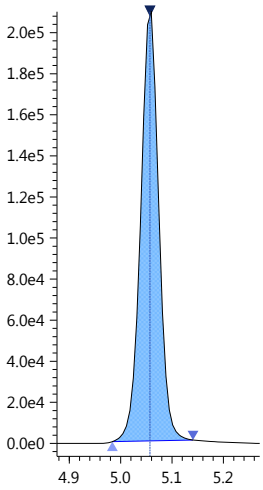


N-MeFOSAA-d3
Conc 5.3566
RT 5.057 Area 513679
Q 572.80>419.05 (-) 2.10e5



Insight Report

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N-MeFOSAA-d3_IS
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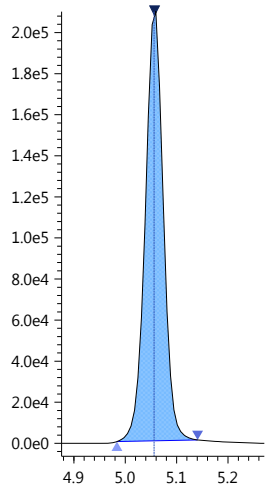
RT 5.057 Area 513679
ISTD 572.80>419.05 (-) 2.10e5



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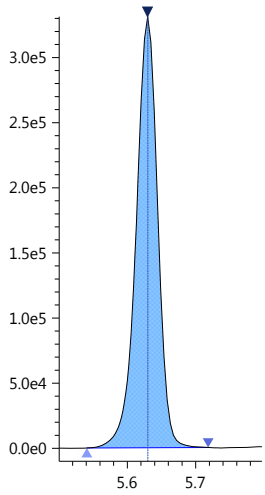
RT 5.630 Area 724420
ISTD 514.90>168.90 (-) 3.31e5



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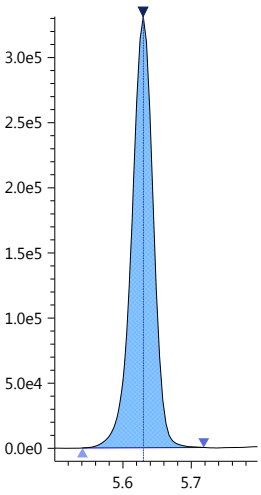
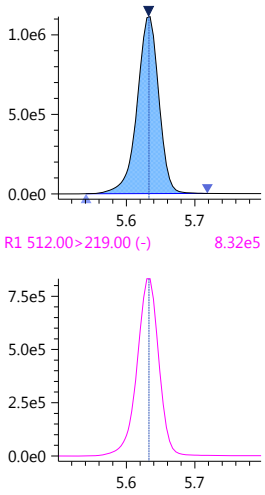
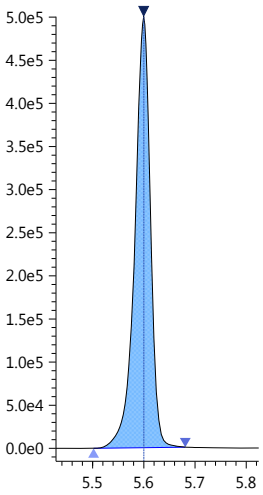
Q 514.90>168.90 (-) 3.31e5



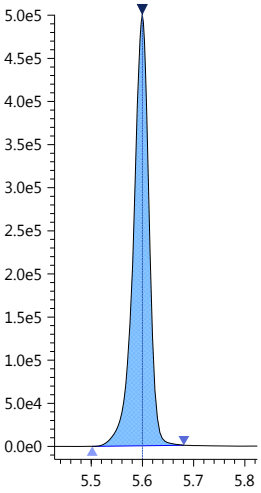
N-MeFOSA
Conc 9.9428
RT 5.633 Area 2455408
R#1 75.24 (0.00)
Q 512.00>169.10 (-) 1.11e6
R1 512.00>219.00 (-) 8.32e5



N-MeFOSE-d7
Conc 5.1178
RT 5.600 Area 1056907
Q 622.70>59.10 (-) 5.01e5



N-MeFOSE-d7_IS
Conc 5.0000
RT 5.600 Area 1056907
ISTD 622.70>59.10 (-) 5.01e5



N-MeFOSE
Conc 10.0400
RT 5.607 Area 2536710
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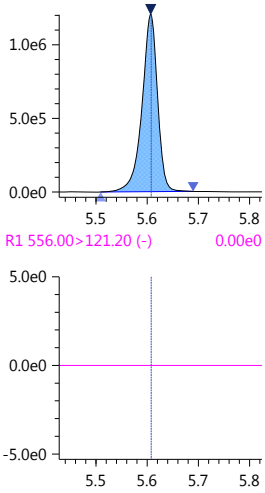
Q 616.00>59.00 (-) 1.20e6
R1 556.00>121.20 (-) 0.00e0



N-EtFOSAA
Conc 9.4974
RT 5.157 Area 511584
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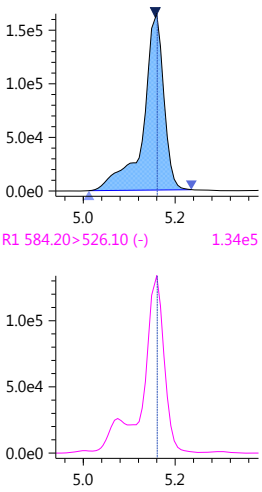
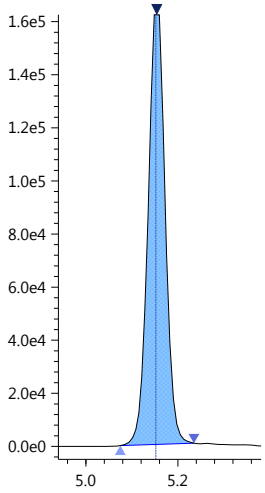
R1 584.20>526.10 (-) 1.34e5



N-EtFOSAA-d5_IS
Conc 5.0000
RT 5.154 Area 426618
ISTD 588.80>419.00 (-) 1.63e5



N-EtFOSAA-d5
Conc 5.0516
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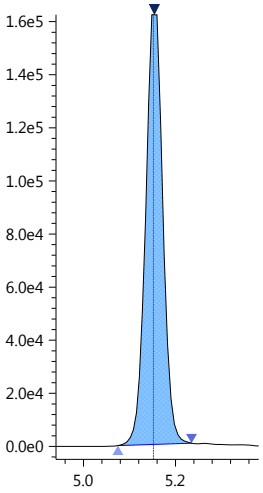
Q 588.80>419.00 (-) 1.63e5



Insight Report

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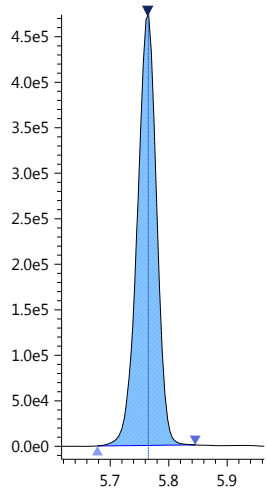
N-EtFOSA-d9_IS

Conc 5.0000
RT 5.764 Area 1092402

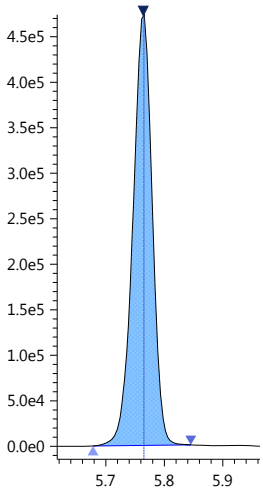
ISTD 530.90>169.15 (-) 4.74e5



N-EtFOSA-d9

Conc 5.1351
RT 5.764 Area 1092402

Q 530.90>169.15 (-) 4.74e5



N-EtFOSA

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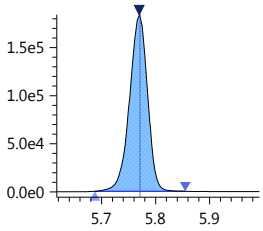
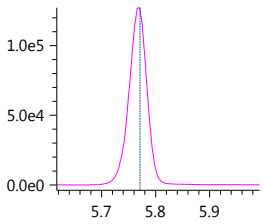
RT 5.770 Area 423786
R#1 69.31 (0.00)

Q 526.90>169.10 (-) 1.84e5



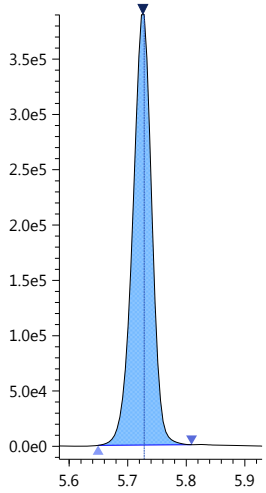
R1 526.90>219.00 (-) 1.27e5



N-EtFOSE-d9_IS

Conc 5.0000
RT 5.726 Area 888713

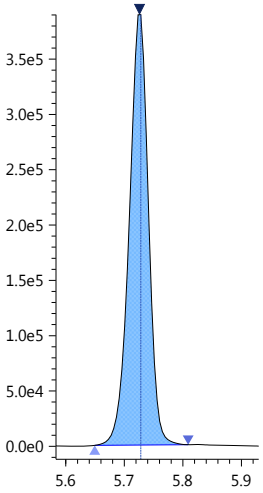
ISTD 638.70>59.10 (-) 3.90e5



N-EtFOSE-d9

Conc 5.2545
RT 5.726 Area 888713

Q 638.70>59.10 (-) 3.90e5



N-EtFOSE

Conc 9.6151
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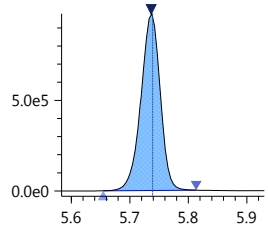
Q 630.00>58.90 (-) 9.78e5



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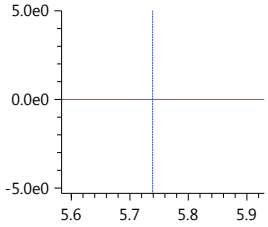
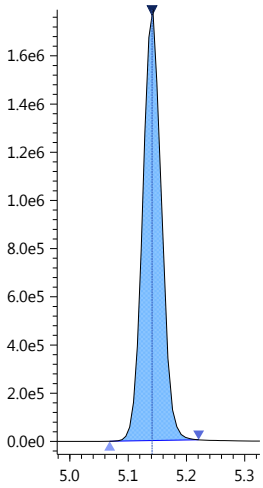


13C7-PFUnDA_IS

Conc 5.0000
RT 5.141 Area 4011702

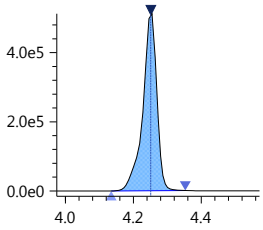
ISTD 570.00>525.00 (-) 1.79e6



PFPeS

Conc 9.3390
RT 4.251 Area 1469026
R#1 149.74 (0.00)

Q 349.00>99.00 (-) 5.13e5



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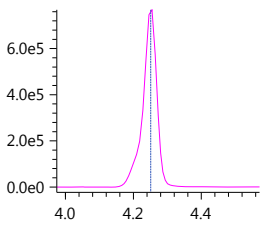

PFNS

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RT 4.943 Area 1278537
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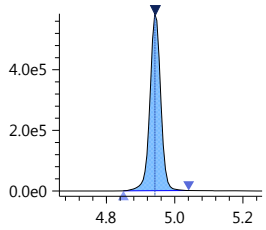
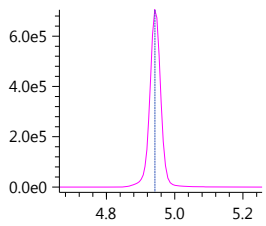
Q 549.00>99.00 (-) 5.85e5



R1 549.00>79.95 (-) 7.05e5



Insight Report

Printed at 6/19/2019 8:39:19 AM

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Date acquired: 6/18/2019 4:25:51 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190618_b1\190618_033.lcd
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PFBA-13C_IS
Conc 5.0000
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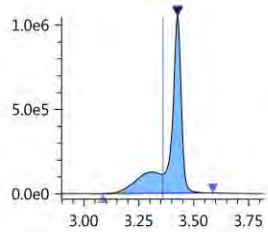
ISTD 216.90>172.15 (-) 1.05e6



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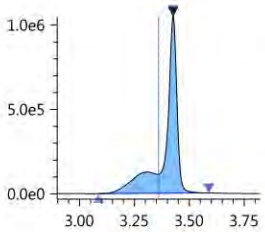
Q 216.90>172.15 (-) 1.05e6



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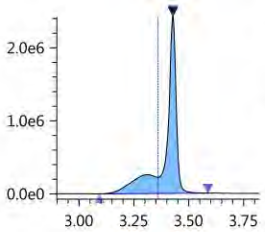
Conc 9.9705
RT 3.428 Area 7937359
Q 213.00>169.10 (-) 2.43e6



PFPeA-13C_IS
Conc 5.0000
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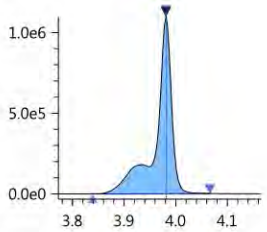
ISTD 267.90>223.00 (-) 1.10e6



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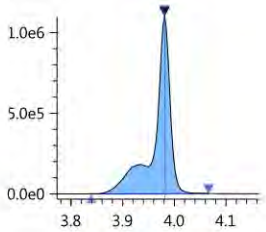
RT 3.981 Area 2316730
Q 267.90>223.00 (-) 1.10e6



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Conc 6.4618
RT 3.981 Area 11387307
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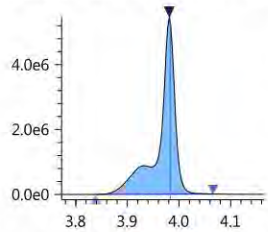

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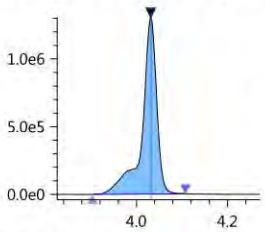
Q 299.00>80.00 (-) 1.31e6



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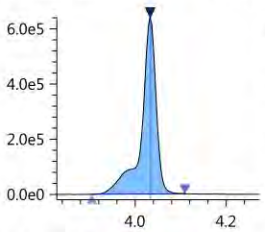
RT 4.033 Area 1430395
Q 301.80>80.00 (-) 6.42e5



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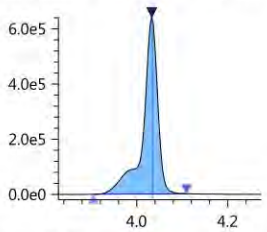

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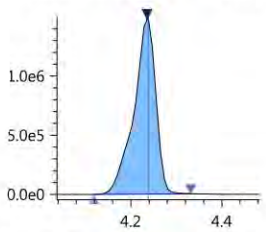

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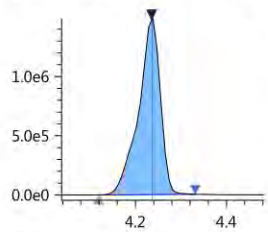

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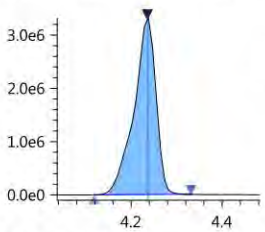
Q 313.00>269.00 (-) 3.33e6



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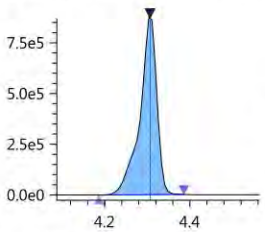
Q 329.00>169.00 (-) 8.74e5



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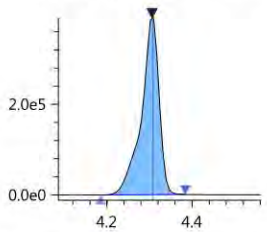
Conc 5.0000
RT 4.306 Area 1125127
ISTD 332.00>286.80 (-) 3.91e5



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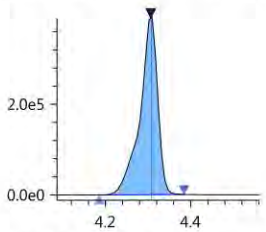
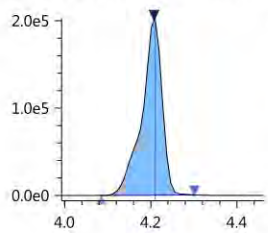
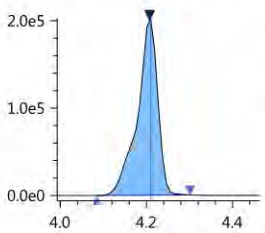
Conc 5.3462
RT 4.306 Area 1125127
Q 332.00>286.80 (-) 3.91e5



4_2-FTS-13C_IS
Conc 5.0000
RT 4.208 Area 657348
ISTD 328.80>309.05 (-) 2.03e5



4_2-FTS-13C
Conc 5.0455
RT 4.208 Area 657348
Q 328.80>309.05 (-) 2.03e5



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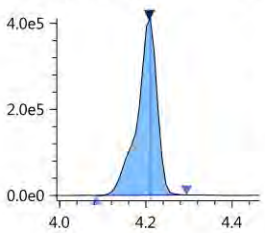
Q 327.00>307.05 (-) 4.12e5



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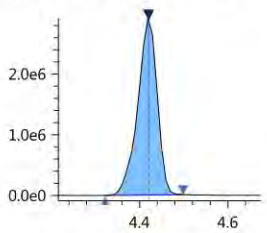

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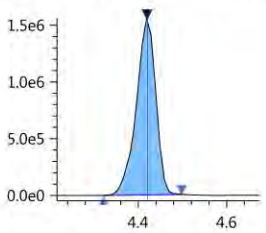
Conc 5.0000
RT 4.420 Area 4757757
ISTD 366.90>322.10 (-) 1.56e6



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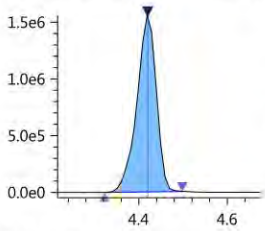

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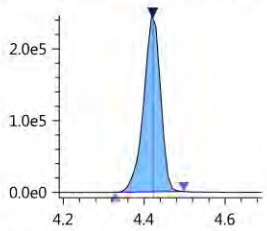
RT 4.421 Area 713017
ISTD 402.70>84.05 (-) 2.47e5



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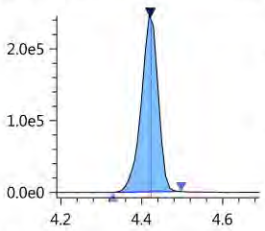

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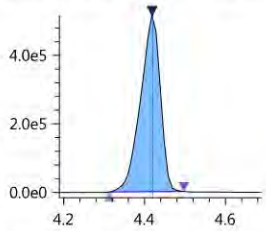

6_2-FTS-13C
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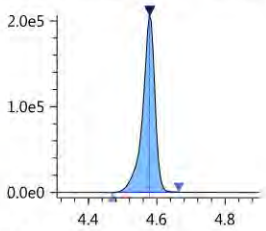
Q 428.90>409.00 (-) 2.07e5



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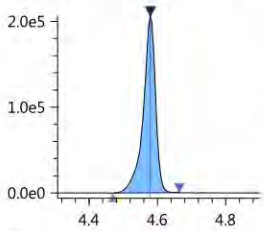
RT 4.579 Area 514699
ISTD 428.90>409.00 (-) 2.07e5



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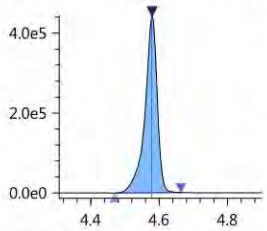
Conc 8.6746
RT 4.579 Area 1102631
Q 427.00>407.00 (-) 4.44e5



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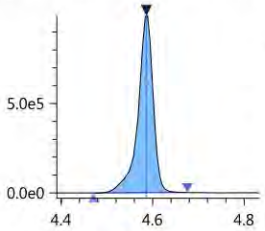

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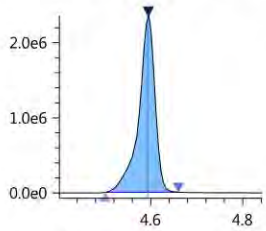

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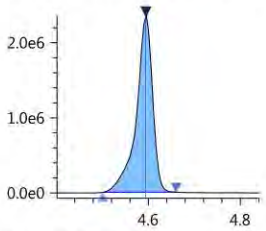

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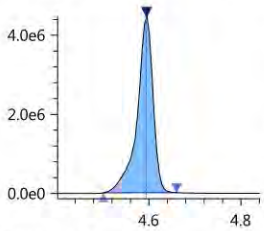

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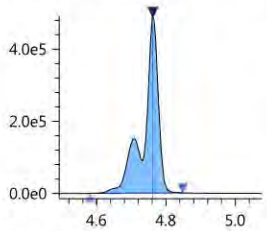

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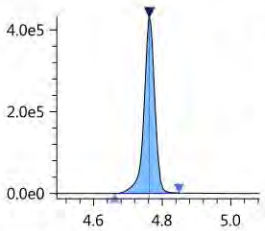

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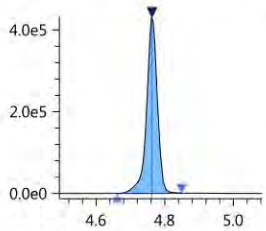
Q 502.80>80.05 (-) 4.34e5



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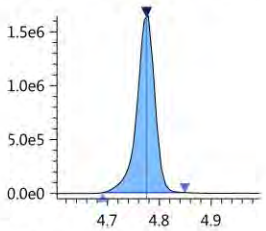
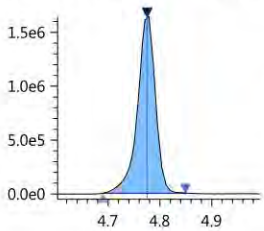
RT 4.775 Area 3971203
ISTD 467.80>423.00 (-) 1.65e6



PFNA-13C
Conc 4.8174
RT 4.775 Area 3971203
Q 467.80>423.00 (-) 1.65e6



PFNA
Conc 8.9549
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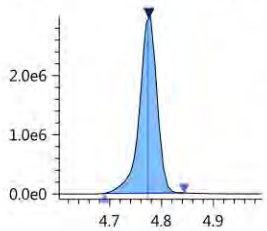
Q 463.00>418.90 (-) 3.00e6



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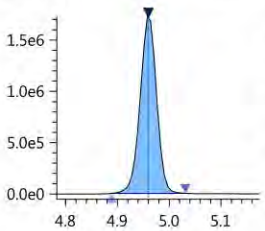
ISTD 514.80>469.95 (-) 1.73e6



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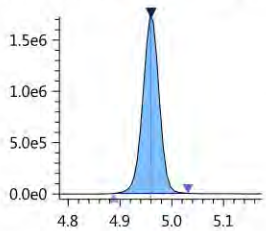

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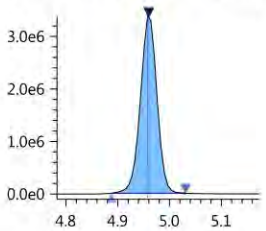

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8_2-FTS-13C_IS
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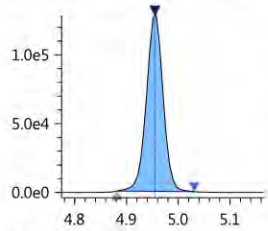
RT 4.955 Area 289170
ISTD 528.80>509.00 (-) 1.29e5



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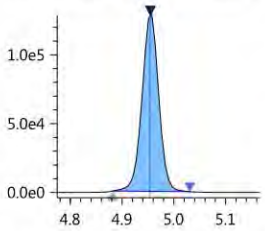
Q 528.80>509.00 (-) 1.29e5



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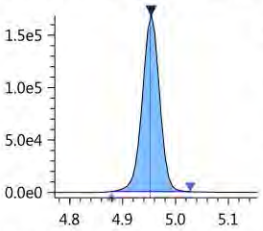

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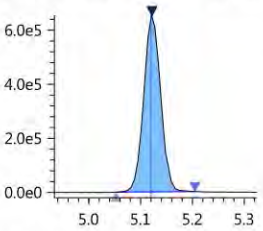

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Conc 8.6997
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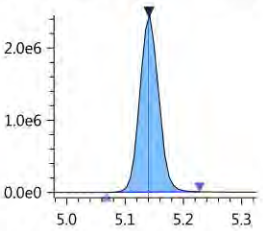

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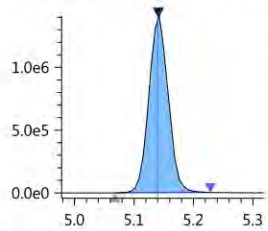

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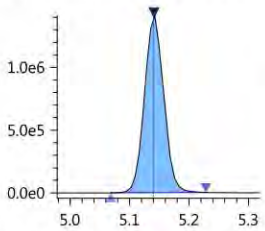

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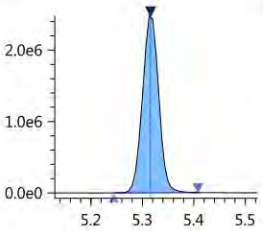
Conc 9.4813
RT 5.316 Area 5463699
Q 613.05>569.00 (-) 2.48e6



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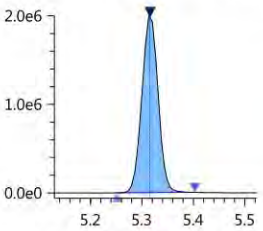
Q 614.80>569.95 (-) 2.00e6



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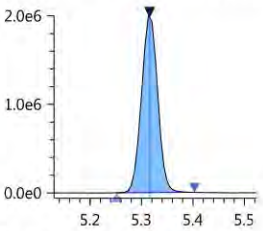

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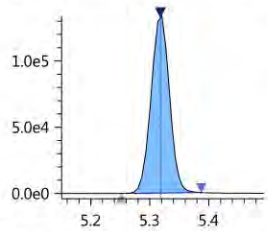

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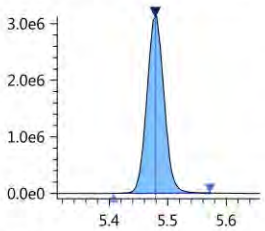

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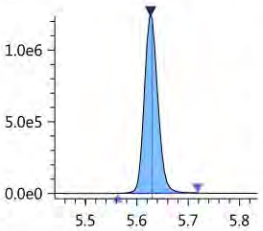
Q 713.40>669.00 (-) 1.24e6



PFTeDA-13C
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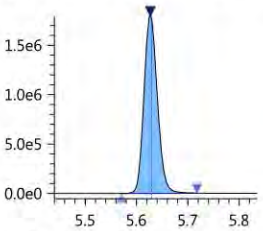
RT 5.627 Area 3270172
Q 714.70>669.90 (-) 1.79e6



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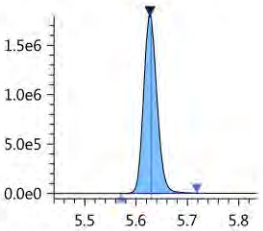

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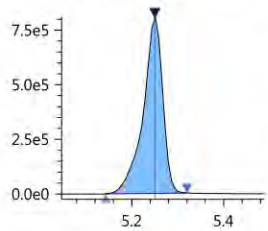

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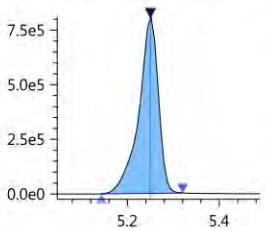
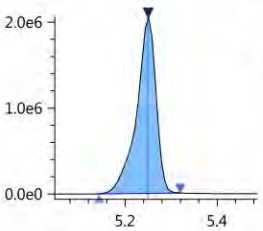
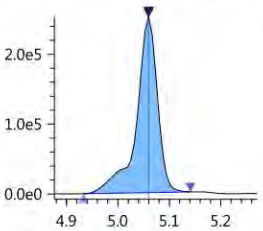


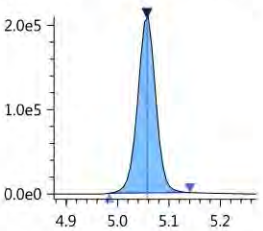
FOSA
Conc 9.8759
RT 5.250 Area 5999116
Q 498.20>78.00 (-) 2.06e6



N-MeFOSAA
Conc 10.0299
RT 5.059 Area 713342
Q 570.20>419.00 (-) 2.54e5



N-MeFOSAA-d3
Conc 5.3566
RT 5.057 Area 513679
Q 572.80>419.05 (-) 2.10e5



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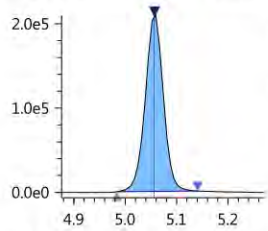
N-MeFOSAA-d3_IS
Conc 5.0000
RT 5.057 Area 513679
ISTD 572.80>419.05 (-) 2.10e5



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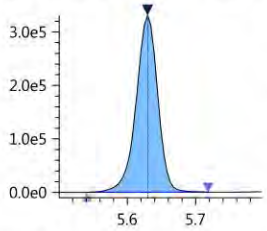
Conc 5.0000
RT 5.630 Area 724420
ISTD 514.90>168.90 (-) 3.31e5



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Conc 5.0503
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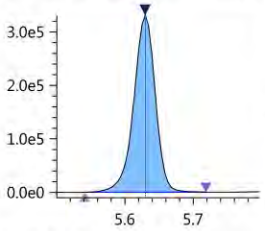
Q 514.90>168.90 (-) 3.31e5



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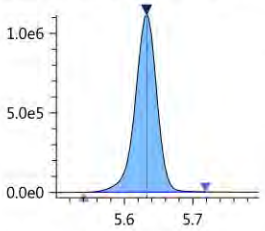
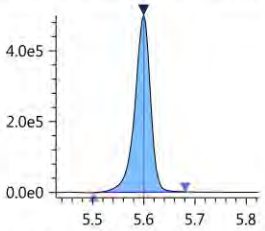
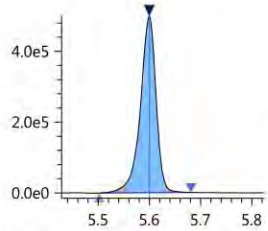
Conc 10.0054
RT 5.633 Area 2455408
Q 512.00>169.10 (-) 1.11e6



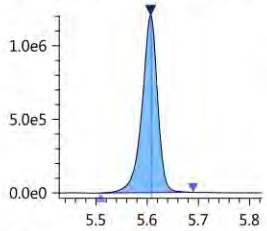
N-MeFOSE-d7
Conc 5.1178
RT 5.600 Area 1056907
Q 622.70>59.10 (-) 5.01e5



N-MeFOSE-d7_IS
Conc 5.0000
RT 5.600 Area 1056907
ISTD 622.70>59.10 (-) 5.01e5



N-MeFOSE
Conc 10.0400
RT 5.607 Area 2536710
Q 616.00>59.00 (-) 1.20e6



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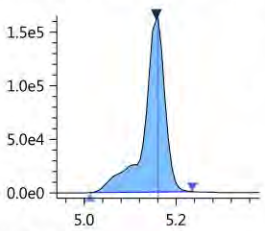
Conc 9.3012
RT 5.157 Area 511584
Q 584.20>418.95 (-) 1.65e5



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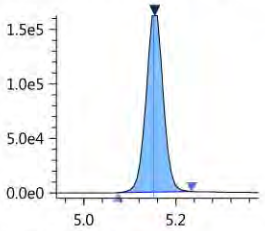
RT 5.154 Area 426618
ISTD 588.80>419.00 (-) 1.63e5



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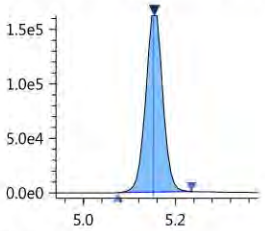

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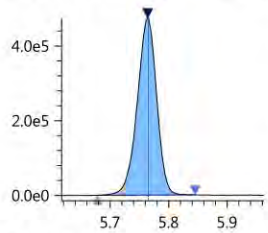
Conc 5.0000
RT 5.764 Area 1092402
ISTD 530.90>169.15 (-) 4.74e5



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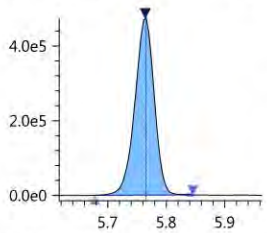
Q 530.90>169.15 (-) 4.74e5



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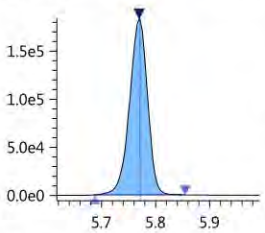
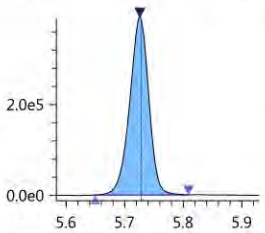
Conc 9.6817
RT 5.770 Area 423786
Q 526.90>169.10 (-) 1.84e5



N-EtFOSE-d9_IS
Conc 5.0000
RT 5.726 Area 888713
ISTD 638.70>59.10 (-) 3.90e5



N-EtFOSE-d9
Conc 5.2545
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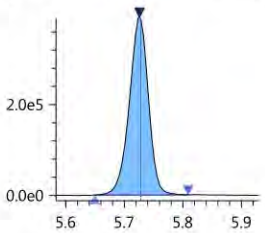
Q 638.70>59.10 (-) 3.90e5



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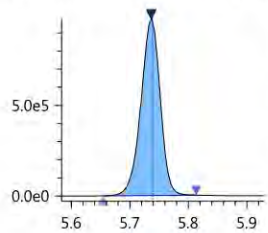
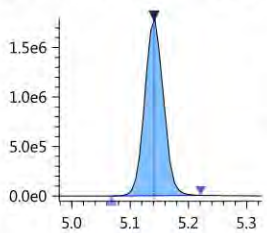
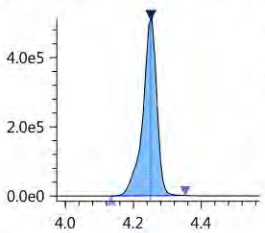
Q 630.00>58.90 (-) 9.78e5



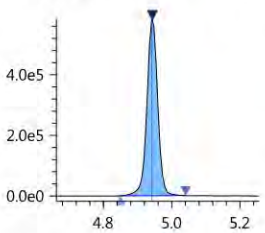
13C7-PFUnDA_IS
Conc 5.0000
RT 5.141 Area 4011702
ISTD 570.00>525.00 (-) 1.79e6



PFPeS
Conc 9.3390
RT 4.251 Area 1469026
Q 349.00>99.00 (-) 5.13e5



PFNS
Conc 9.1925
RT 4.943 Area 1278537
Q 549.00>99.00 (-) 5.85e5



Insight Report

Printed at 6/19/2019 1:07:21 PM

190618_034

Sample ID: 15.0 PPB ICAL
Date acquired: 6/18/2019 4:36:17 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190618_b1\190618_034.lcd
Vial: 34 | Inj. Volume: 15.0000uL | Tray: 1

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
PFBA-13C_IS	Auto	3.428	3851072	3851072	2	5.0000	ng/mL	5.0000
PFBA-13C	Auto	3.428	3851072	3912538	26	5.1561	ng/mL	5.0000
PFBA	Auto	3.429	11667683	3851072	2	14.8369	ng/mL	15.0000
PFPeA-13C_IS	Auto	3.982	2251070	2251070	4	5.0000	ng/mL	5.0000
PFPeA-13C	Auto	3.982	2251070	3912538	26	4.9736	ng/mL	5.0000
PFPeA	Auto	3.982	16606856	2251070	4	15.1760	ng/mL	15.0000
PFBS_1	Auto	4.032	4302185	1395369	16	13.1377	ng/mL	13.3106
PFBS-13C	Auto	4.034	1395369	3912538	26	5.1087	ng/mL	5.0000
PFBS-13C_IS	Auto	4.034	1395369	1395369	16	5.0000	ng/mL	5.0000
PFHxA-13C_IS	Auto	4.238	4789653	4789653	6	5.0000	ng/mL	5.0000
PFHxA-13C	Auto	4.238	4789653	3912538	26	4.6945	ng/mL	5.0000
PFHxA	Auto	4.238	16471018	4789653	6	15.1913	ng/mL	15.0000
HPFO_DA	Auto	4.307	3276711	1039550	3	14.4103	ng/mL	15.0000
HFPO_DA-13C_IS	Auto	4.307	1039550	1039550	3	5.0000	ng/mL	5.0000
HFPO_DA-13C	Auto	4.307	1039550	3912538	26	5.0647	ng/mL	5.0000
4_2-FTS-13C_IS	Auto	4.210	702854	702854	5	5.0000	ng/mL	5.0000
4_2-FTS-13C	Auto	4.210	702854	3912538	26	5.5315	ng/mL	5.0000
4_2-FTS_1	Auto	4.210	1837036	702854	5	11.6070	ng/mL	14.0583
PFHpA	Auto	4.421	12993879	4568441	8	15.1322	ng/mL	15.0000
PFHpA-13C_IS	Auto	4.421	4568441	4568441	8	5.0000	ng/mL	5.0000
PFHpA-13C	Auto	4.421	4568441	3912538	26	4.6162	ng/mL	5.0000
PFHxS-18O_IS	Auto	4.422	706785	706785	7	5.0000	ng/mL	5.0000
PFHxS-18O	Auto	4.422	706785	3912538	26	5.0320	ng/mL	5.0000
PFHxS_1	Auto	4.420	2516988	706785	7	13.9285	ng/mL	13.6961
6_2-FTS-13C	Auto	4.579	475106	3912538	26	4.8036	ng/mL	5.0000
6_2-FTS-13C_IS	Auto	4.579	475106	475106	10	5.0000	ng/mL	5.0000
6_2-FTS_1	Auto	4.579	1514904	475106	10	12.9112	ng/mL	14.2676
PFHpS_1	Auto	4.586	3198578	706785	7	13.9532	ng/mL	14.3016
PFOA-13C_IS	Auto	4.595	5309466	5309466	9	5.0000	ng/mL	5.0000
PFOA-13C	Auto	4.595	5309466	3912538	26	4.4208	ng/mL	5.0000
PFOA	Auto	4.595	14643272	5309466	9	15.1918	ng/mL	15.0000
PFOS_1	Auto	4.762	2094689	906542	13	13.8435	ng/mL	13.9384
PFOS-13C_IS	Auto	4.762	906542	906542	13	5.0000	ng/mL	5.0000
PFOS-13C	Auto	4.762	906542	3912538	26	5.1419	ng/mL	5.0000
PFNA-13C_IS	Auto	4.776	3759317	3759317	11	5.0000	ng/mL	5.0000
PFNA-13C	Auto	4.776	3759317	3912538	26	4.6610	ng/mL	5.0000
PFNA	Auto	4.776	10188002	3759317	11	15.1478	ng/mL	15.0000
PFDA-13C_IS	Auto	4.961	3537333	3537333	12	5.0000	ng/mL	5.0000
PFDA-13C	Auto	4.961	3537333	3912538	26	4.6832	ng/mL	5.0000
PFDA	Auto	4.961	10902675	3537333	12	15.1401	ng/mL	15.0000
8_2-FTS-13C_IS	Auto	4.955	272647	272647	15	5.0000	ng/mL	5.0000
8_2-FTS-13C	Auto	4.955	272647	3912538	26	4.9619	ng/mL	5.0000
8_2-FTS_1	Auto	4.955	521290	272647	15	12.5284	ng/mL	14.4007
PFDS_1	Auto	5.122	2123029	906542	13	13.0277	ng/mL	14.4700
PFUnA	Auto	5.141	7882829	3054744	14	14.9903	ng/mL	15.0000
PFUnA-13C_IS	Auto	5.141	3054744	3054744	14	5.0000	ng/mL	5.0000
PFUnA-13C	Auto	5.141	3054744	3912538	26	4.9220	ng/mL	5.0000
PFDoA	Auto	5.317	7957296	4340160	17	14.9203	ng/mL	15.0000
PFDoA-13C	Auto	5.316	4340160	3912538	26	4.9717	ng/mL	5.0000
PFDoA-13C_IS	Auto	5.316	4340160	4340160	17	5.0000	ng/mL	5.0000
10_2-FtS_1	Auto	5.319	412071	272647	15	14.1924	ng/mL	14.4929
PFTrDA	Auto	5.479	9393079	3231002	22	15.0932	ng/mL	15.0000
PFTeDA	Auto	5.628	3334058	3231002	22	15.0538	ng/mL	15.0000
PFTeDA-13C	Auto	5.628	3231002	3912538	26	4.8589	ng/mL	5.0000
PFTeDA-13C_IS	Auto	5.628	3231002	3231002	22	5.0000	ng/mL	5.0000
FOSA-13C_IS	Auto	5.250	2319142	2319142	18	5.0000	ng/mL	5.0000
FOSA-13C	Auto	5.250	2319142	3912538	26	5.0119	ng/mL	5.0000
FOSA	Auto	5.251	8817921	2319142	18	14.8572	ng/mL	15.0000
N-MeFOSAA	Auto	5.059	1019652	492307	19	15.6062	ng/mL	15.0000
N-MeFOSAA-d3	Auto	5.057	492307	3912538	26	5.2638	ng/mL	5.0000
N-MeFOSAA-d3_IS	Auto	5.057	492307	492307	19	5.0000	ng/mL	5.0000
N-MeFOSA-d3_IS	Auto	5.631	703492	703492	1	5.0000	ng/mL	5.0000
N-MeFOSA-d3	Auto	5.631	703492	3912538	26	5.0287	ng/mL	5.0000
N-MeFOSA	Auto	5.634	3503958	703492	1	14.6109	ng/mL	15.0000
N-MeFOSE-d7	Auto	5.600	1033402	3912538	26	5.1308	ng/mL	5.0000
N-MeFOSE-d7_IS	Auto	5.600	1033402	1033402	20	5.0000	ng/mL	5.0000
N-MeFOSE	Auto	5.608	3653579	1033402	20	14.7894	ng/mL	15.0000
N-EtFOSAA	Auto	5.157	797356	399899	21	15.7918	ng/mL	15.0000

Insight Report

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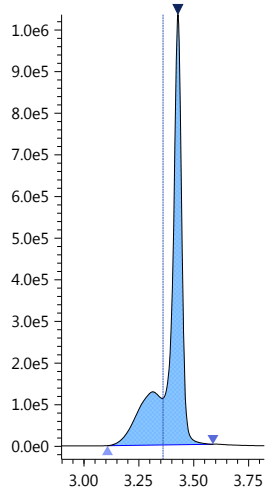
(Table continued from previous page)

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
N-EtFOSAA-d5_IS	Auto	5.154	399899	399899	21	5.0000	ng/mL	5.0000
N-EtFOSAA-d5	Auto	5.154	399899	3912538	26	4.8553	ng/mL	5.0000
N-EtFOSA-d9_IS	Auto	5.765	1047550	1047550	23	5.0000	ng/mL	5.0000
N-EtFOSA-d9	Auto	5.765	1047550	3912538	26	5.0491	ng/mL	5.0000
N-EtFOSA	Auto	5.771	614410	1047550	23	14.5492	ng/mL	15.0000
N-EtFOSE-d9_IS	Auto	5.727	833552	833552	24	5.0000	ng/mL	5.0000
N-EtFOSE-d9	Auto	5.727	833552	3912538	26	5.0533	ng/mL	5.0000
N-EtFOSE	Auto	5.738	3240124	833552	24	14.8690	ng/mL	15.0000
13C7-PFUnDA_IS	Auto	5.141	3912538	3912538	26	5.0000	ng/mL	5.0000
PFPeS	Auto	4.253	1900256	1395369	16	12.3837	ng/mL	14.1138
PFNS	Auto	4.944	1772839	906542	13	13.1151	ng/mL	14.4237

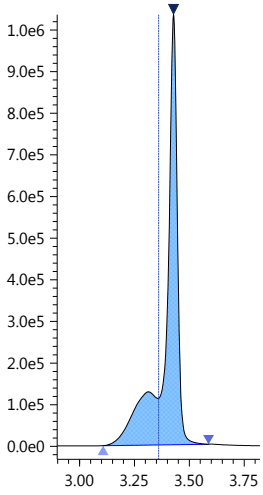
PFBA-13C_IS

Conc 5.0000
RT 3.428 Area 3851072
ISTD 216.90>172.15 (-) 1.04e6



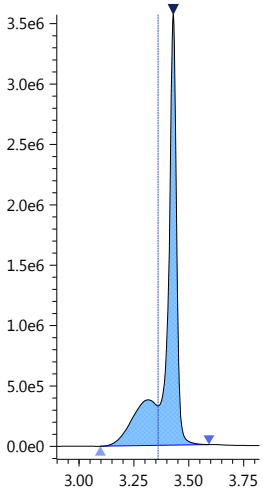
PFBA-13C

Conc 5.1561
RT 3.428 Area 3851072
Q 216.90>172.15 (-) 1.04e6



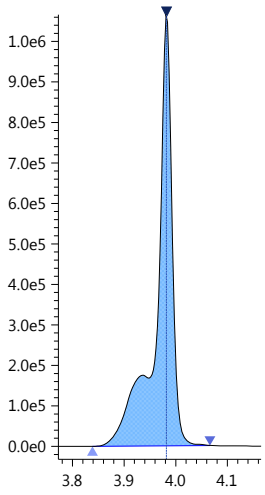
PFBA

Conc 14.8369
RT 3.429 Area 11667683
Q 213.00>169.10 (-) 3.57e6



PFPeA-13C_IS

Conc 5.0000
RT 3.982 Area 2251070
ISTD 267.90>223.00 (-) 1.07e6



PFPeA-13C

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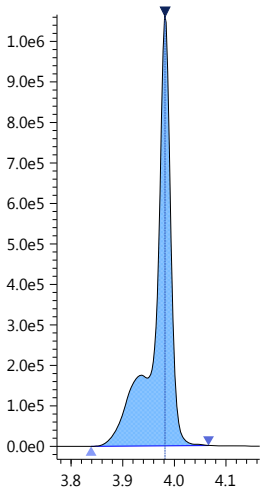
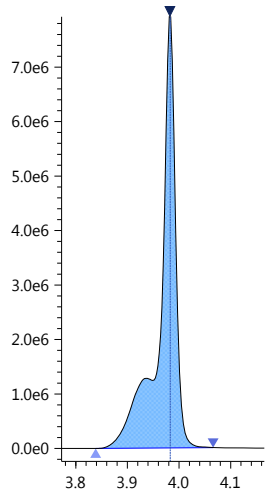
Q 267.90>223.00 (-) 1.07e6



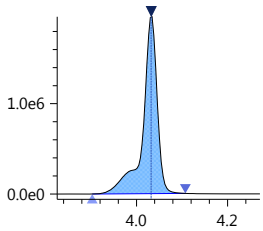
PFPeA

Conc 15.1760
RT 3.982 Area 16606856
Q 263.05>219.10 (-) 7.92e6

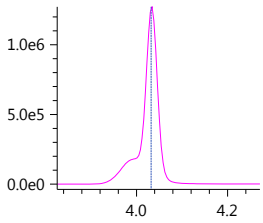


PFBS_1

Conc 13.1377
RT 4.032 Area 4302185
R#1 62.36 (0.00)
Q 299.00>80.00 (-) 1.96e6

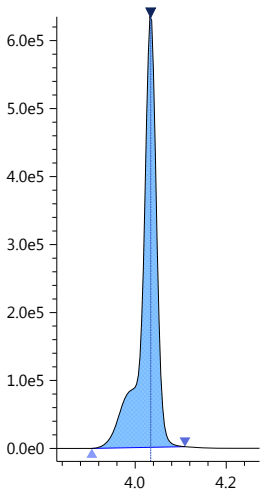


R1 298.80>99.00 (-) 1.27e6



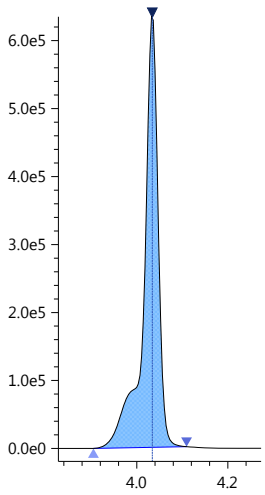
PFBS-13C

Conc 5.1087
RT 4.034 Area 1395369
Q 301.80>80.00 (-) 6.35e5



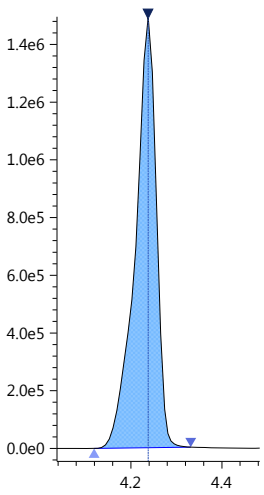
PFBS-13C_IS

Conc 5.0000
RT 4.034 Area 1395369
ISTD 301.80>80.00 (-) 6.35e5



PFHxA-13C_IS

Conc 5.0000
RT 4.238 Area 4789653
ISTD 314.90>270.10 (-) 1.50e6



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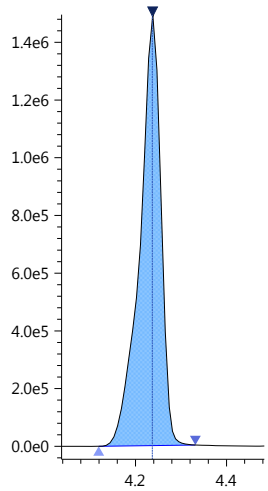
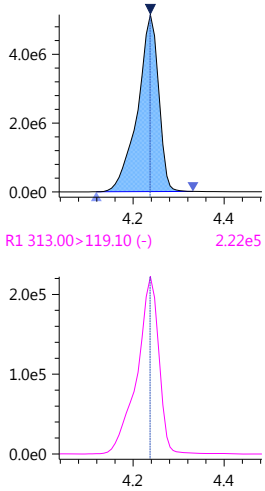
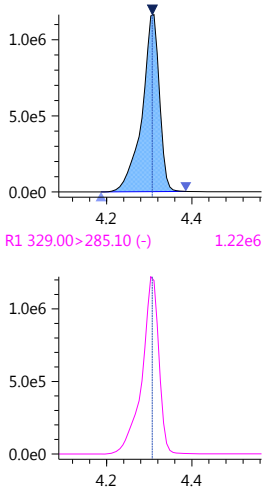
PFHxA-13C
Conc 4.6945
RT 4.238 Area 4789653
Q 314.90>270.10 (-) 1.50e6



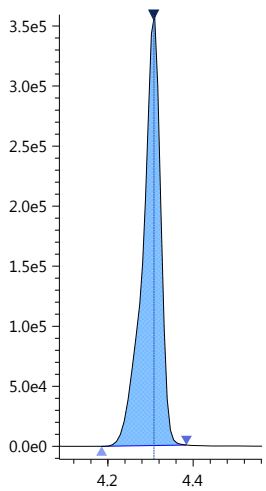
PFHxA
Conc 15.1913
RT 4.238 Area 16471018
R#1 4.30 (0.00)
Q 313.00>269.00 (-) 5.16e6
R1 313.00>119.10 (-) 2.22e5



HPFO_DA
Conc 14.4103
RT 4.307 Area 3276711
R#1 105.79 (0.00)
Q 329.00>169.00 (-) 1.17e6
R1 329.00>285.10 (-) 1.22e6



HFPO_DA-13C_IS
Conc 5.0000
RT 4.307 Area 1039550
ISTD 332.00>286.80 (-) 3.59e5



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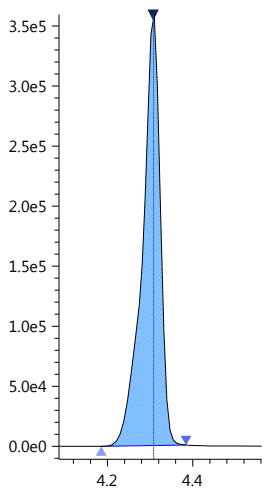
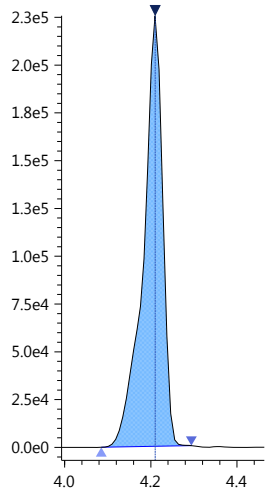
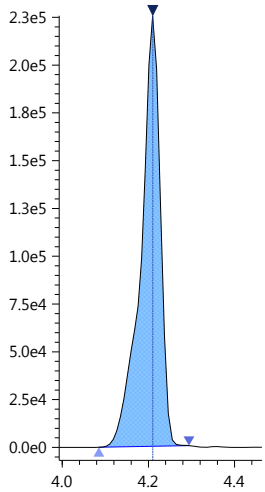
RT 4.307 Area 1039550
Q 332.00>286.80 (-) 3.59e5



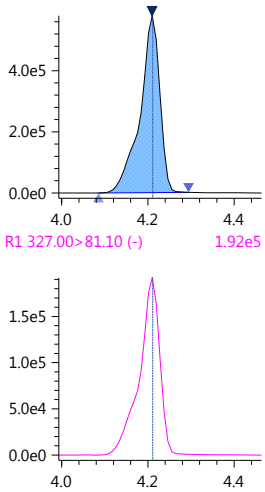
4_2-FTS-13C_IS
Conc 5.0000
RT 4.210 Area 702854
ISTD 328.80>309.05 (-) 2.26e5



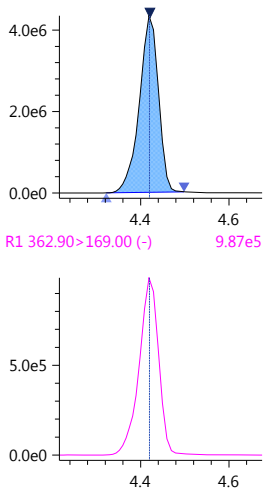
4_2-FTS-13C
Conc 5.5315
RT 4.210 Area 702854
Q 328.80>309.05 (-) 2.26e5



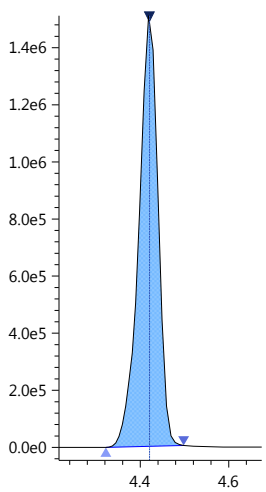
4_2-FTS_1
Conc 11.6070
RT 4.210 Area 1837036
R#1 33.08 (0.00)
Q 327.00>307.05 (-) 5.80e5
R1 327.00>81.10 (-) 1.92e5



PFHpA
Conc 15.1322
RT 4.421 Area 12993879
R#1 22.67 (0.00)
Q 362.90>319.00 (-) 4.35e6
R1 362.90>169.00 (-) 9.87e5



PFHpA-13C_IS
Conc 5.0000
RT 4.421 Area 4568441
ISTD 366.90>322.10 (-) 1.51e6



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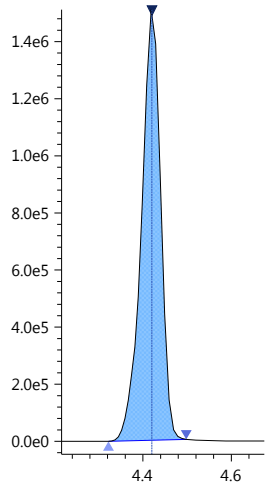
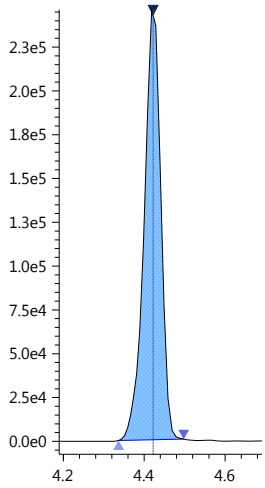
PFHpA-13C
Conc 4.6162
RT 4.421 Area 4568441

Q 366.90>322.10 (-) 1.51e6



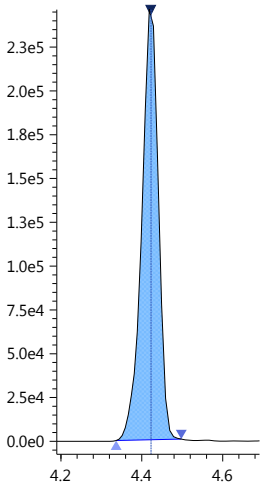
PFHxS-18O_IS
Conc 5.0000
RT 4.422 Area 706785

ISTD 402.70>84.05 (-) 2.46e5



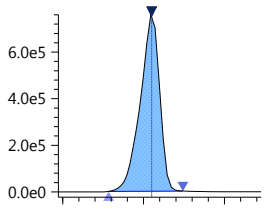
PFHxS-18O
Conc 5.0320
RT 4.422 Area 706785

Q 402.70>84.05 (-) 2.46e5

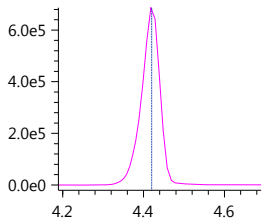


PFHxS_1
Conc 13.9285
RT 4.420 Area 2516988
R#1 90.04 (0.00)

Q 399.00>80.00 (-) 7.61e5

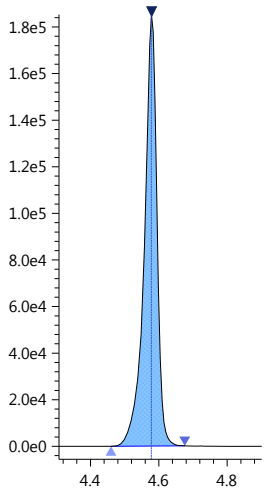


R1 399.00>99.00 (-) 6.87e5



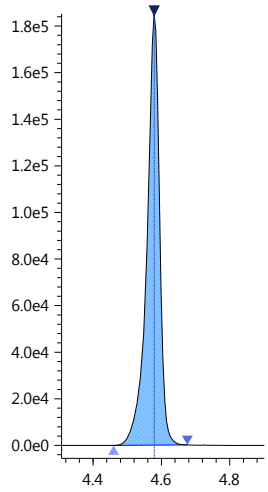
6_2-FTS-13C
Conc 4.8036
RT 4.579 Area 475106

Q 428.90>409.00 (-) 1.85e5



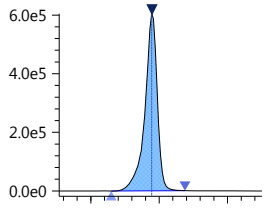
6_2-FTS-13C_IS
Conc 5.0000
RT 4.579 Area 475106

ISTD 428.90>409.00 (-) 1.85e5

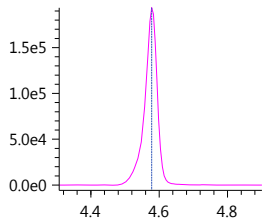


6_2-FTS_1
Conc 12.9112
RT 4.579 Area 1514904
R#1 31.97 (0.00)

Q 427.00>407.00 (-) 6.05e5

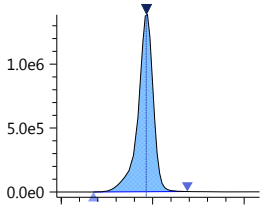


R1 427.00>80.90 (-) 1.93e5

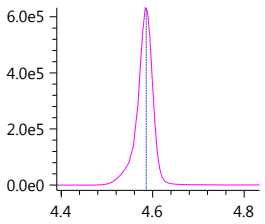


PFHpS_1
Conc 13.9532
RT 4.586 Area 3198578
R#1 46.23 (0.00)

Q 449.00>80.15 (-) 1.39e6

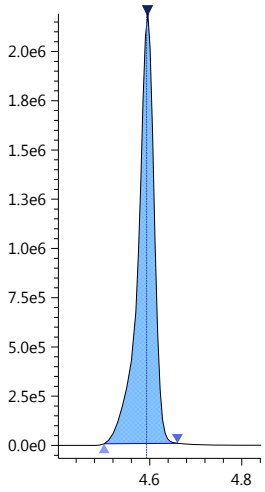


R1 449.00>99.20 (-) 6.32e5



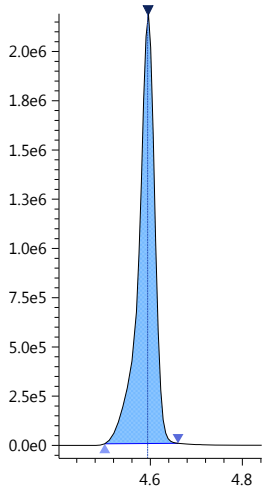
PFOA-13C_IS
Conc 5.0000
RT 4.595 Area 5309466

ISTD 416.80>372.05 (-) 2.19e6



PFOA-13C
Conc 4.4208
RT 4.595 Area 5309466

Q 416.80>372.05 (-) 2.19e6



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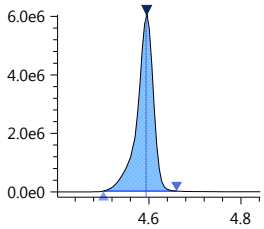
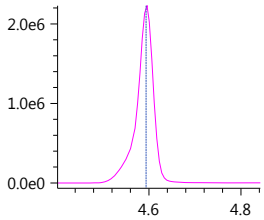
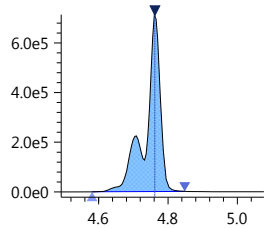
PFOA
Conc 15.1918
RT 4.595 Area 14643272
R#1 36.83 (0.00)
Q 413.00>369.00 (-) 6.06e6



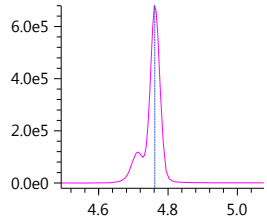
R1 413.00>169.10 (-) 2.23e6



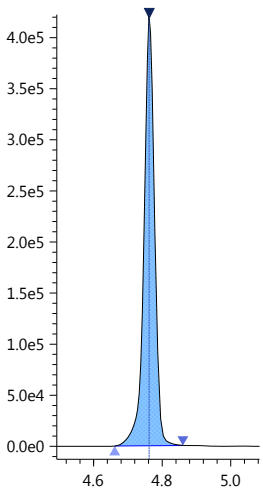
PFOS_1
Conc 13.8435
RT 4.762 Area 2094689
R#1 94.24 (0.00)
Q 499.00>80.00 (-) 7.14e5



R1 499.00>99.00 (-) 6.80e5



PFOS-13C_IS
Conc 5.0000
RT 4.762 Area 906542
ISTD 502.80>80.05 (-) 4.23e5



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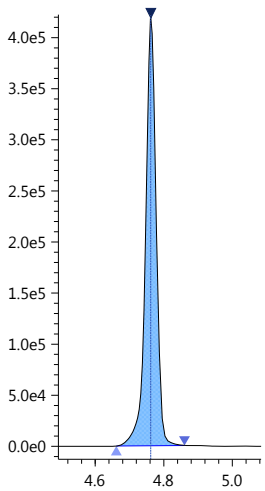
Conc 5.1419
RT 4.762 Area 906542
Q 502.80>80.05 (-) 4.23e5



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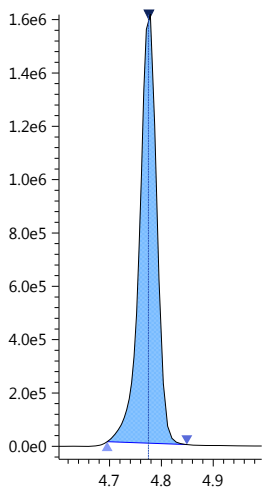
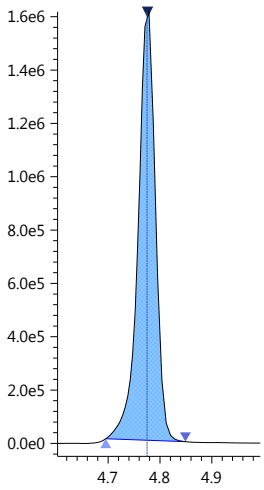
Conc 5.0000
RT 4.776 Area 3759317
ISTD 467.80>423.00 (-) 1.62e6



PFNA-13C
Conc 4.6610
RT 4.776 Area 3759317
Q 467.80>423.00 (-) 1.62e6



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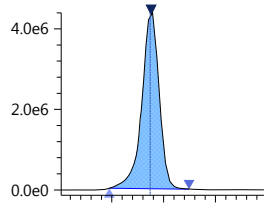
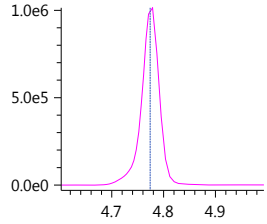
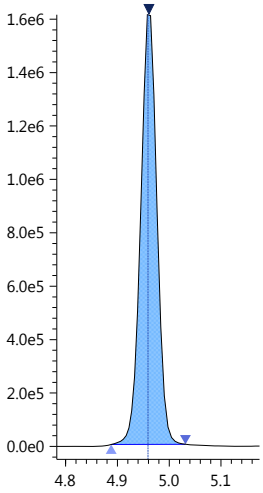
Conc 15.1478
RT 4.776 Area 10188002
R#1 23.05 (0.00)
Q 463.00>418.90 (-) 4.40e6



R1 463.00>219.00 (-) 1.01e6



PFDA-13C_IS
Conc 5.0000
RT 4.961 Area 3537333
ISTD 514.80>469.95 (-) 1.62e6



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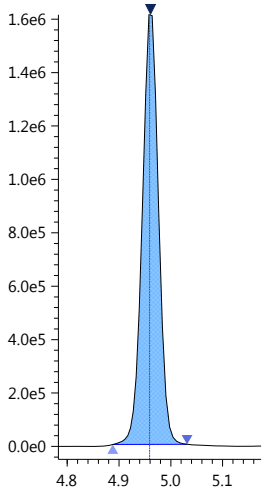
Conc 4.6832
RT 4.961 Area 3537333
Q 514.80>469.95 (-) 1.62e6



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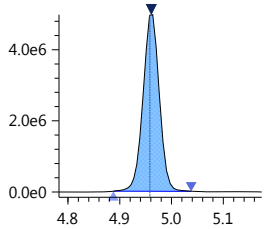
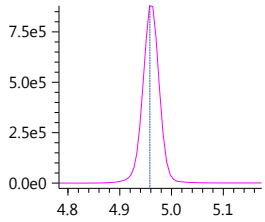
Conc 15.1401
RT 4.961 Area 10902675
R#1 17.56 (0.00)
Q 513.00>468.80 (-) 4.98e6



R1 513.00>219.10 (-) 8.79e5



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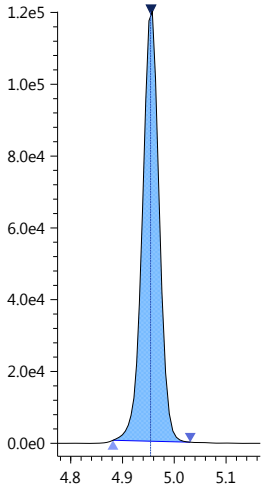
8_2-FTS-13C_IS

Conc 5.0000
RT 4.955 Area 272647

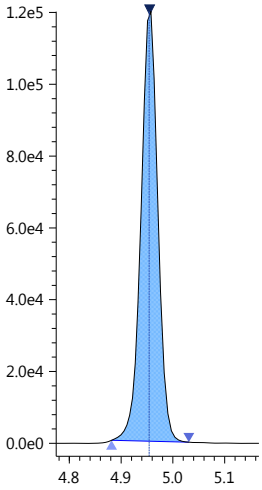
ISTD 528.80>509.00 (-) 1.20e5



8_2-FTS-13C

Conc 4.9619
RT 4.955 Area 272647

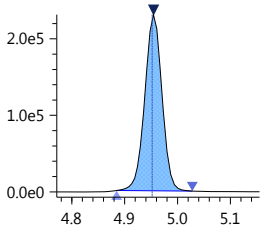
Q 528.80>509.00 (-) 1.20e5



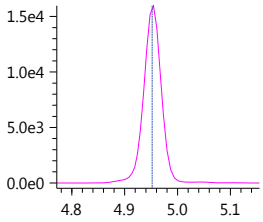
8_2-FTS_1

Conc 12.5284
RT 4.955 Area 521290
R#1 6.88 (0.00)

Q 527.10>506.90 (-) 2.32e5



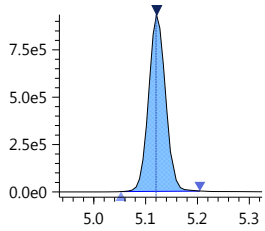
R1 527.20>487.00 (-) 1.60e4



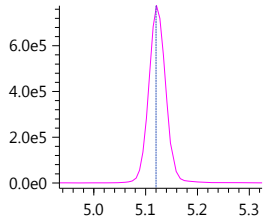
PFDS_1

Conc 13.0277
RT 5.122 Area 2123029
R#1 82.85 (0.00)

Q 599.00>79.90 (-) 9.36e5



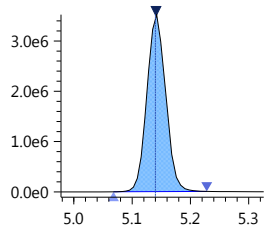
R1 599.00>99.10 (-) 7.75e5



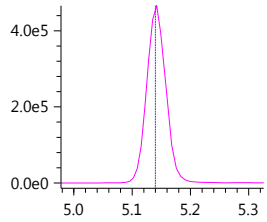
PFUnA

Conc 14.9903
RT 5.141 Area 7882829
R#1 13.20 (0.00)

Q 563.00>518.90 (-) 3.52e6



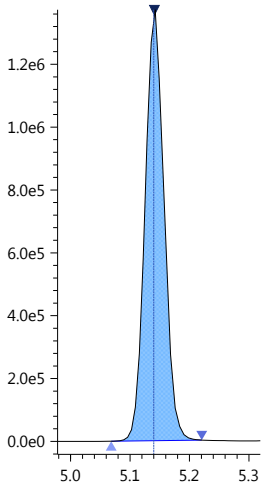
R1 563.00>219.00 (-) 4.66e5



PFUnA-13C_IS

Conc 5.0000
RT 5.141 Area 3054744

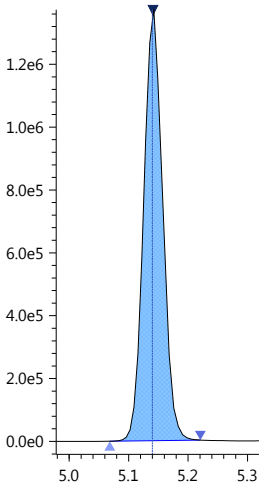
ISTD 564.80>519.95 (-) 1.37e6



PFUnA-13C

Conc 4.9220
RT 5.141 Area 3054744

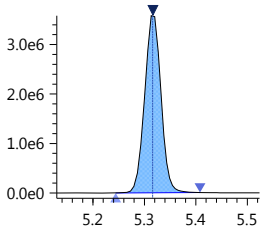
Q 564.80>519.95 (-) 1.37e6



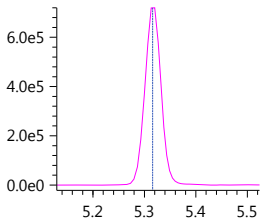
PFDoA

Conc 14.9203
RT 5.317 Area 7957296
R#1 20.09 (0.00)

Q 613.05>569.00 (-) 3.58e6



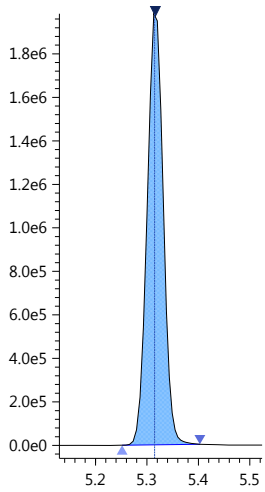
R1 613.05>169.00 (-) 7.20e5



PFDoA-13C

Conc 4.9717
RT 5.316 Area 4340160

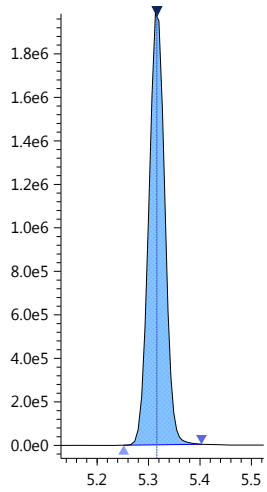
Q 614.80>569.95 (-) 1.98e6



PFDoA-13C_IS

Conc 5.0000
RT 5.316 Area 4340160

ISTD 614.80>569.95 (-) 1.98e6



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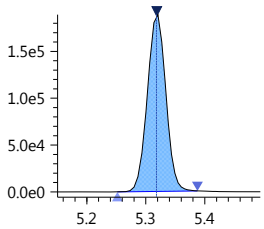
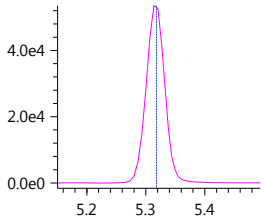
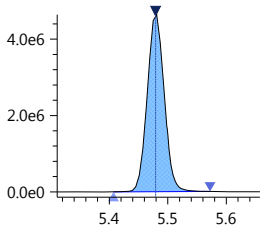
10_2-FtS_1
Conc 14.1924
RT 5.319 Area 412071
R#1 27.80 (0.00)
Q 627.00>606.95 (-) 1.89e5



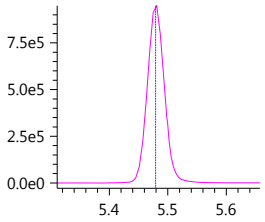
R1 627.00>81.25 (-) 5.35e4



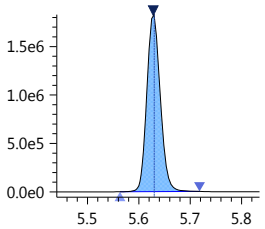
PFTrDA
Conc 15.0932
RT 5.479 Area 9393079
R#1 20.48 (0.00)
Q 663.00>618.90 (-) 4.64e6



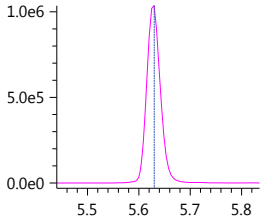
R1 662.90>169.00 (-) 9.49e5



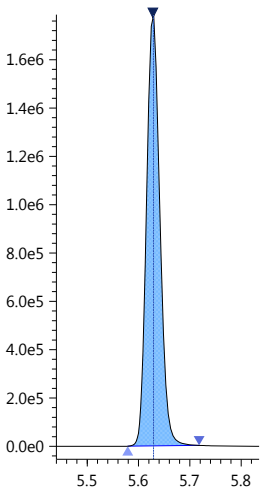
PFTeDA
Conc 15.0538
RT 5.628 Area 3334058
R#1 57.02 (0.00)
Q 713.40>669.00 (-) 1.83e6



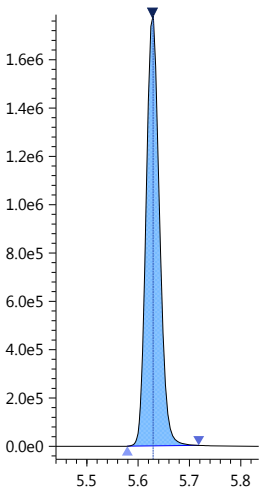
R1 713.40>169.10 (-) 1.04e6



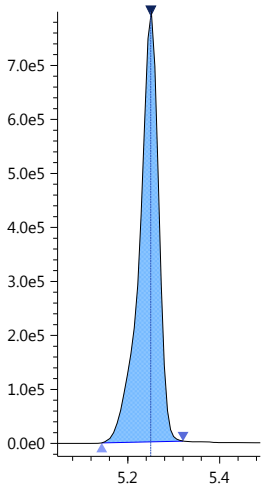
PFTeDA-13C
Conc 4.8589
RT 5.628 Area 3231002
Q 714.70>669.90 (-) 1.79e6



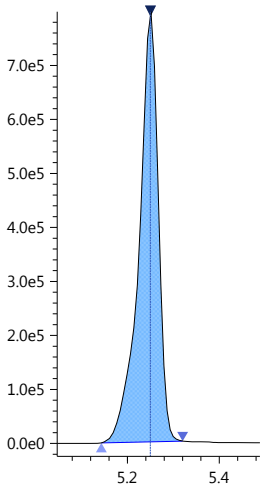
PFTeDA-13C_IS
Conc 5.0000
RT 5.628 Area 3231002
ISTD 714.70>669.90 (-) 1.79e6



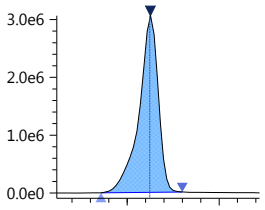
FOSA-13C_IS
Conc 5.0000
RT 5.250 Area 2319142
ISTD 506.00>78.05 (-) 7.99e5



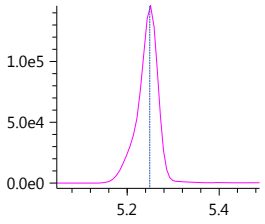
FOSA-13C
Conc 5.0119
RT 5.250 Area 2319142
Q 506.00>78.05 (-) 7.99e5



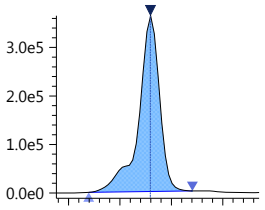
FOSA
Conc 14.8572
RT 5.251 Area 8817921
R#1 4.75 (0.00)
Q 498.20>78.00 (-) 3.07e6



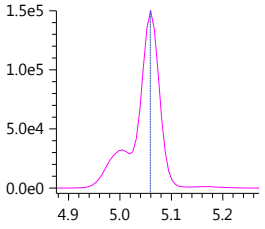
R1 498.20>64.10 (-) 1.46e5



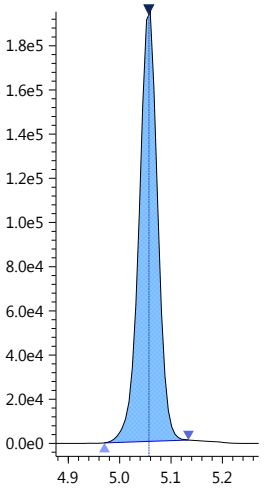
N-MeFOSAA
Conc 15.6062
RT 5.059 Area 1019652
R#1 41.17 (0.00)
Q 570.20>419.00 (-) 3.65e5



R1 570.20>512.00 (-) 1.50e5



N-MeFOSAA-d3
Conc 5.2638
RT 5.057 Area 492307
Q 572.80>419.05 (-) 1.95e5



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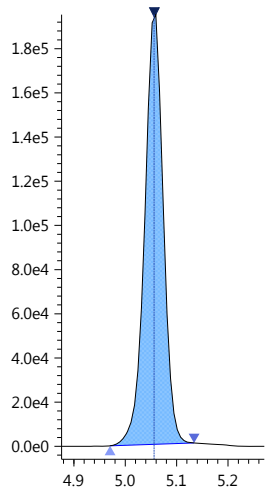
N-MeFOSAA-d3_IS
Conc 5.0000
RT 5.057 Area 492307



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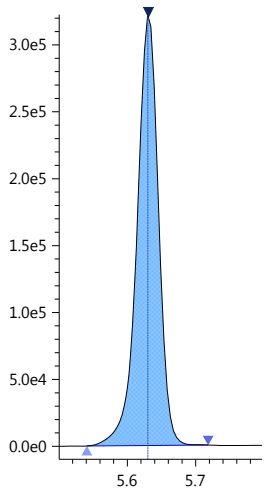
RT 5.631 Area 703492



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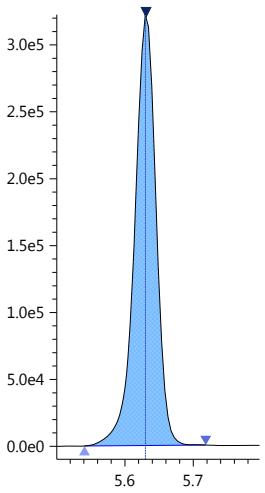
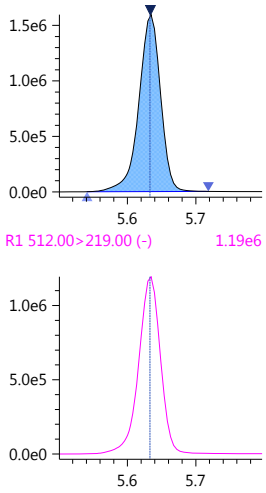
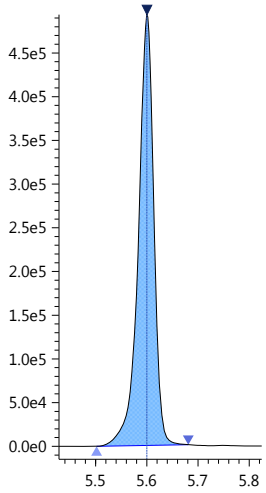
Conc 5.0287
RT 5.631 Area 703492



N-MeFOSA
Conc 14.6109
RT 5.634 Area 3503958
R#1 74.74 (0.00)



N-MeFOSE-d7
Conc 5.1308
RT 5.600 Area 1033402



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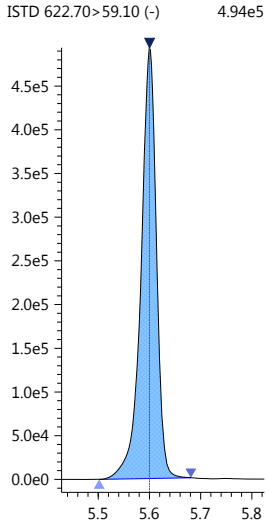
RT 5.600 Area 1033402



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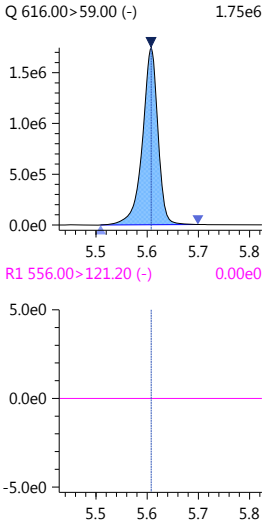
Conc 14.7894
RT 5.608 Area 3653579
R#1 0.00 (0.00)



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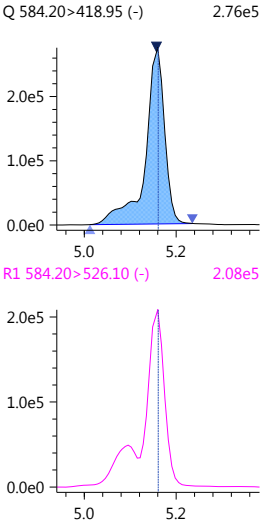
Conc 15.7918
RT 5.157 Area 797356
R#1 75.40 (0.00)



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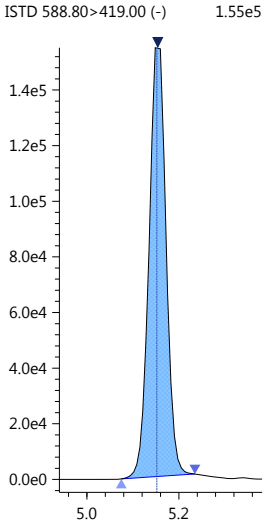
Conc 5.0000
RT 5.154 Area 399899



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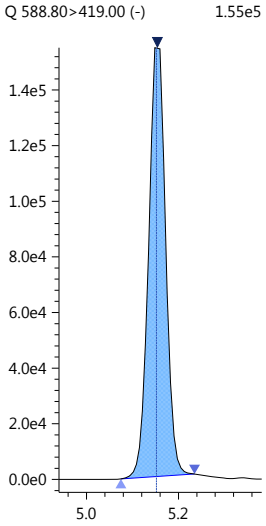
Conc 4.8553
RT 5.154 Area 399899



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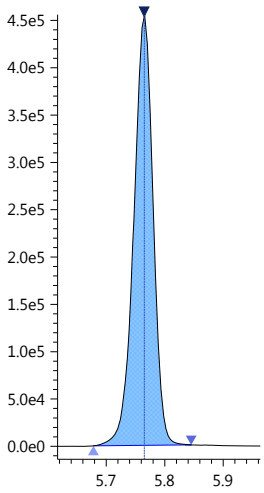
N-EtFOSA-d9_IS

Conc 5.0000
RT 5.765 Area 1047550

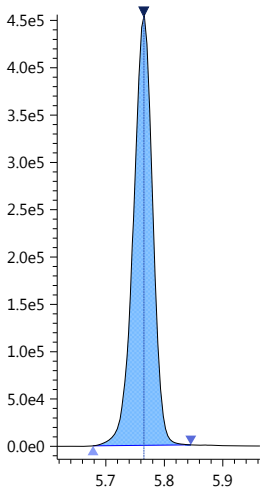
ISTD 530.90>169.15 (-) 4.56e5



N-EtFOSA-d9

Conc 5.0491
RT 5.765 Area 1047550

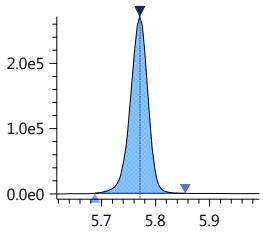
Q 530.90>169.15 (-) 4.56e5



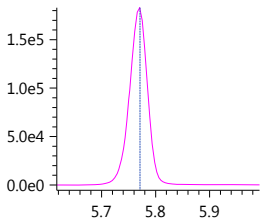
N-EtFOSA

Conc 14.5492
RT 5.771 Area 614410
R#1 67.23 (0.00)

Q 526.90>169.10 (-) 2.72e5



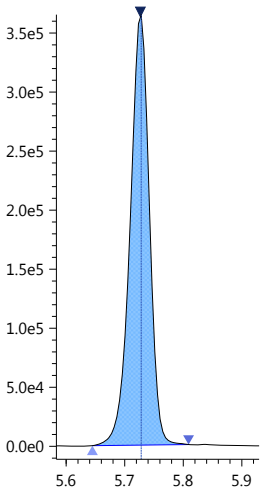
R1 526.90>219.00 (-) 1.83e5



N-EtFOSE-d9_IS

Conc 5.0000
RT 5.727 Area 833552

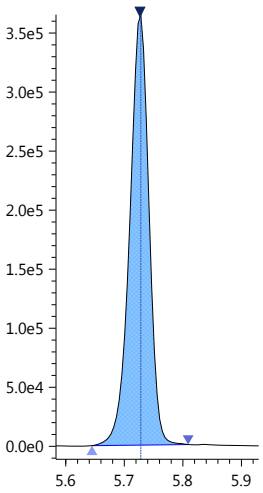
ISTD 638.70>59.10 (-) 3.66e5



N-EtFOSE-d9

Conc 5.0533
RT 5.727 Area 833552

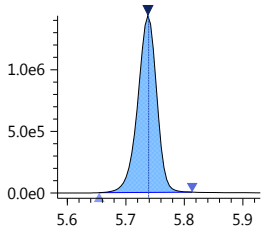
Q 638.70>59.10 (-) 3.66e5



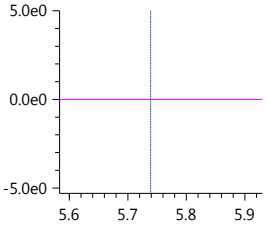
N-EtFOSE

Conc 14.8690
RT 5.738 Area 3240124
R#1 0.00 (0.00)

Q 630.00>58.90 (-) 1.44e6



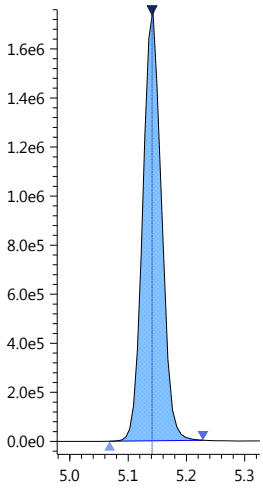
R1 570.00>136.10 (-) 0.00e0



13C7-PFUnDA_IS

Conc 5.0000
RT 5.141 Area 3912538

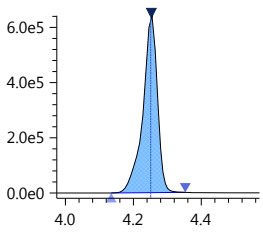
ISTD 570.00>525.00 (-) 1.76e6



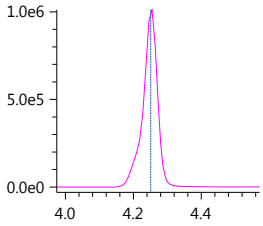
PFPeS

Conc 12.3837
RT 4.253 Area 1900256
R#1 157.39 (0.00)

Q 349.00>99.00 (-) 6.42e5



R1 349.00>79.95 (-) 1.01e6



PFNS

Conc 13.1151
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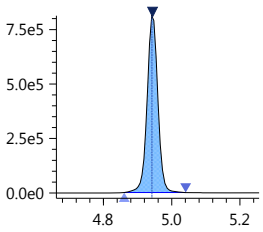
R#1 127.33 (0.00)

Q 549.00>99.00 (-) 8.14e5



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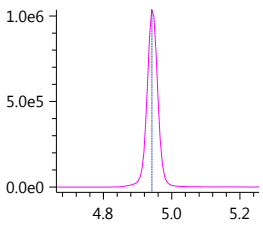


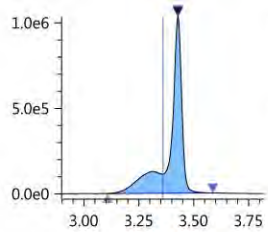
Insight Report

Printed at 6/19/2019 8:39:19 AM

190618_034

Sample ID: 15.0 PPB ICAL
Date acquired: 6/18/2019 4:36:17 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190618_b1\190618_034.lcd
Vial: 34 | Inj. Volume: 15.0000uL | Tray: 1

PFBA-13C_IS
Conc 5.0000
RT 3.428 Area 3851072
ISTD 216.90>172.15 (-) 1.04e6



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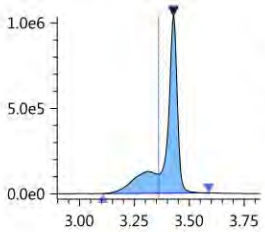

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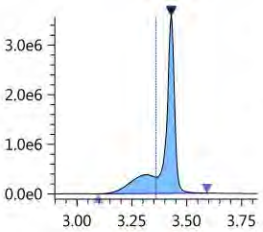
Q 213.00>169.10 (-) 3.57e6



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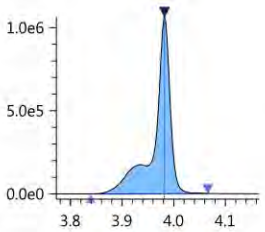
Conc 5.0000
RT 3.982 Area 2251070
ISTD 267.90>223.00 (-) 1.07e6



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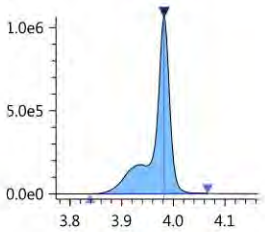

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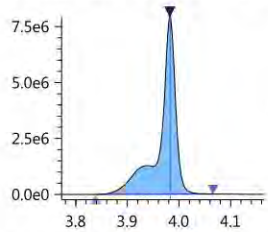

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Conc 13.1682
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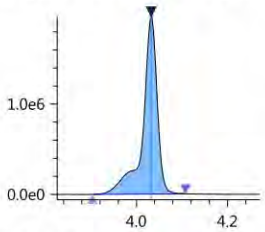
Q 299.00>80.00 (-) 1.96e6



PFBS-13C
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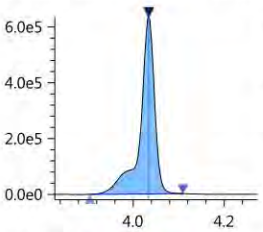
RT 4.034 Area 1395369
Q 301.80>80.00 (-) 6.35e5



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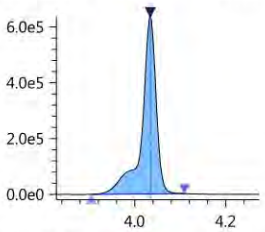

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Conc 5.0000
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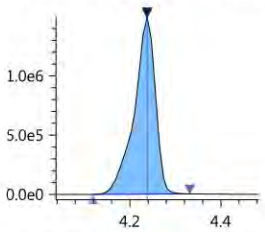

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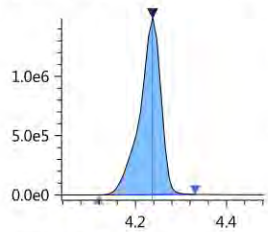

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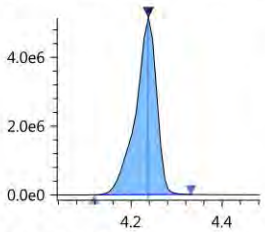
Q 313.00>269.00 (-) 5.16e6



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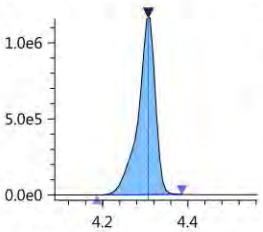
Conc 14.5076
RT 4.307 Area 3276711
Q 329.00>169.00 (-) 1.17e6



HFPO_DA-13C_IS
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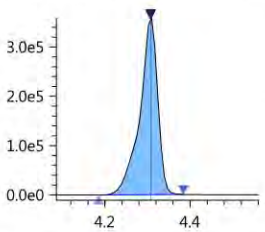
ISTD 332.00>286.80 (-) 3.59e5



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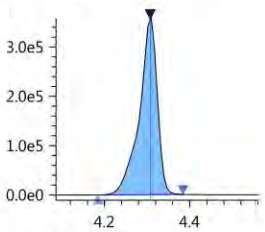
RT 4.307 Area 1039550
Q 332.00>286.80 (-) 3.59e5



4_2-FTS-13C_IS
Conc 5.0000
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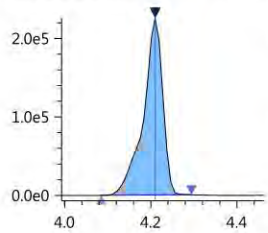
ISTD 328.80>309.05 (-) 2.26e5



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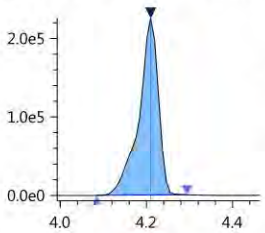

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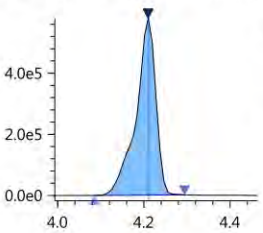

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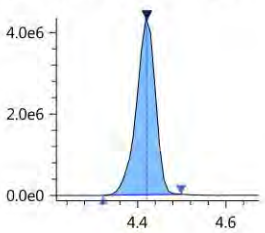

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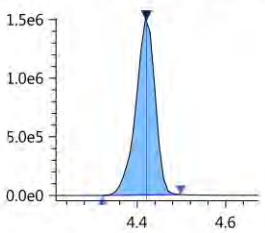

Insight Report

Printed at 6/19/2019 8:39:19 AM

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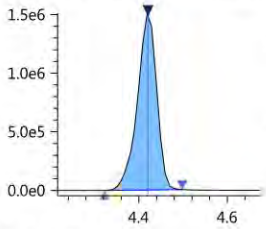
Q 366.90>322.10 (-) 1.51e6



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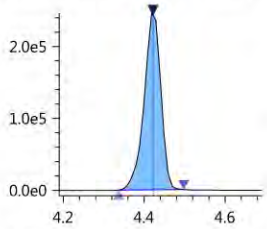
ISTD 402.70>84.05 (-) 2.46e5



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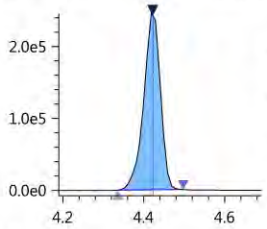
Q 402.70>84.05 (-) 2.46e5



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Conc 12.0612
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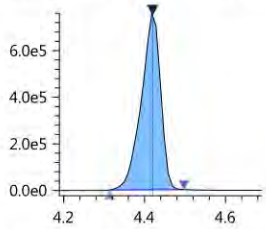
Q 399.00>80.00 (-) 7.61e5



6_2-FTS-13C
Conc 4.8036
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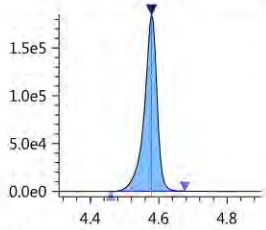
Q 428.90>409.00 (-) 1.85e5



6_2-FTS-13C_IS
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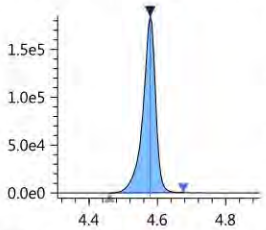

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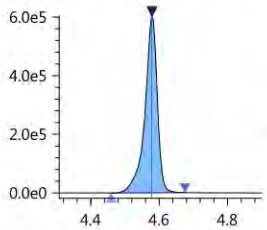
Q 427.00>407.00 (-) 6.05e5



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Conc 13.9532
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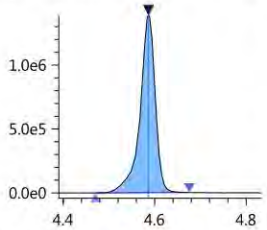

PFOA-13C_IS
Conc 5.0000
RT 4.595 Area 5309466
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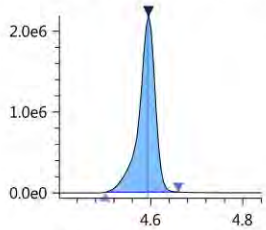

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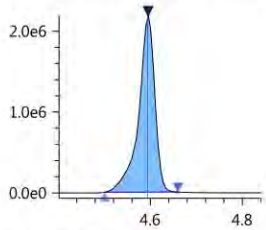

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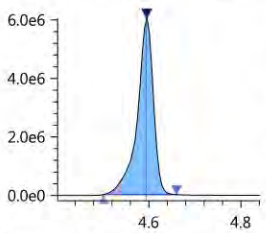

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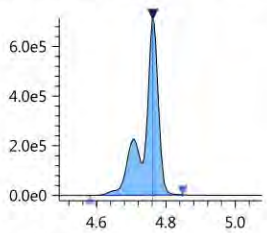
Q 499.00>80.00 (-) 7.14e5



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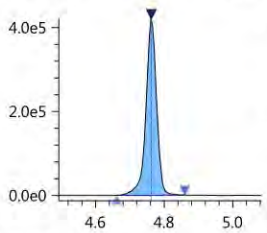

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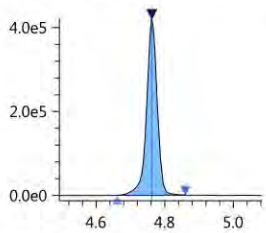

PFNA-13C_IS
Conc 5.0000
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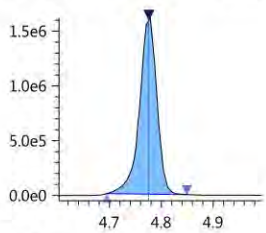
ISTD 467.80>423.00 (-) 1.62e6



PFNA-13C
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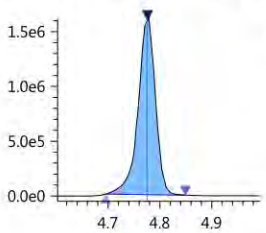
Q 467.80>423.00 (-) 1.62e6



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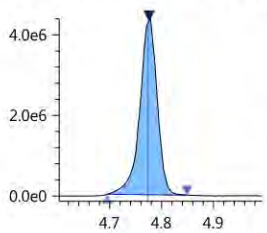
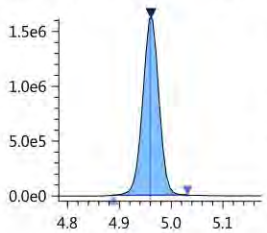
RT 4.776 Area 10188002
Q 463.00>418.90 (-) 4.40e6



PFDA-13C_IS
Conc 5.0000
RT 4.961 Area 3537333
ISTD 514.80>469.95 (-) 1.62e6



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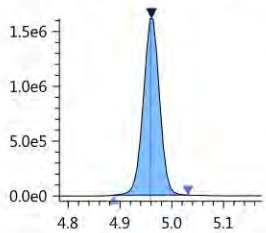
RT 4.961 Area 3537333
Q 514.80>469.95 (-) 1.62e6



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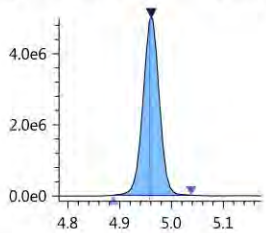
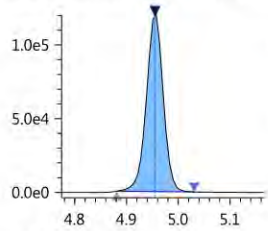
Q 513.00>468.80 (-) 4.98e6



Insight Report

Printed at 6/19/2019 8:39:19 AM

8_2-FTS-13C_IS
Conc 5.0000
RT 4.955 Area 272647
ISTD 528.80>509.00 (-) 1.20e5



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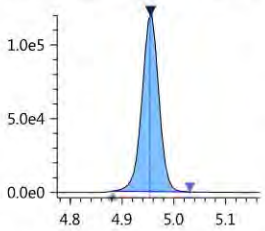

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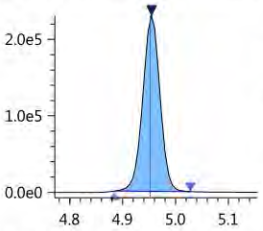

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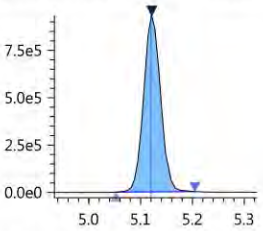

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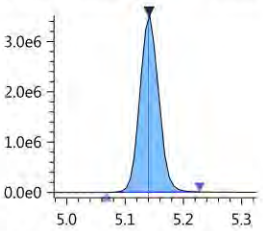

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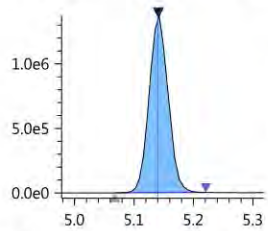

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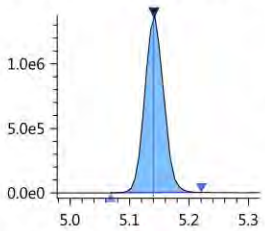

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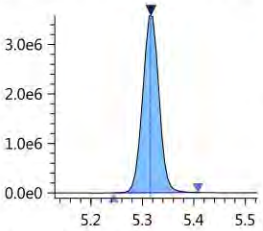

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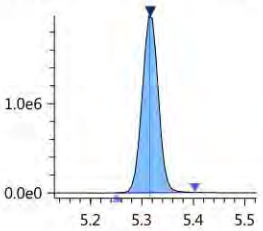

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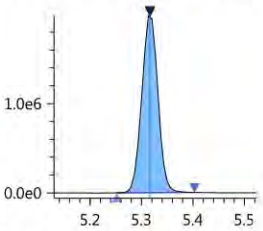

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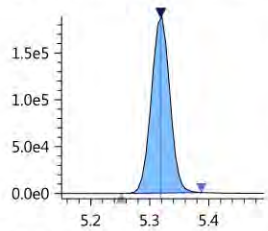

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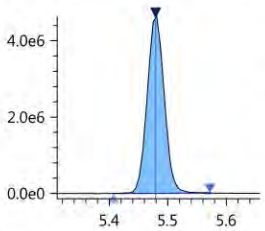

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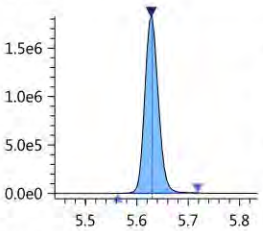

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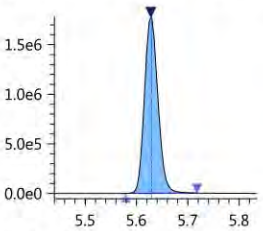

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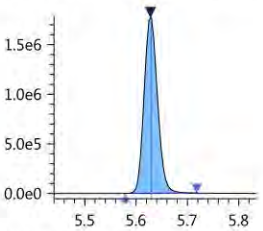

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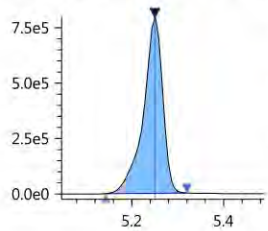

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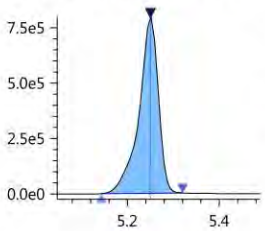

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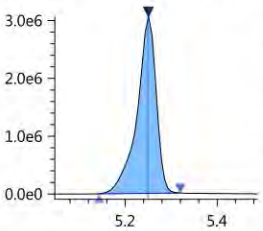

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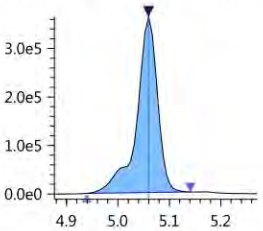

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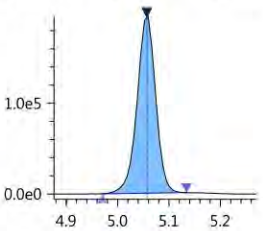

Insight Report

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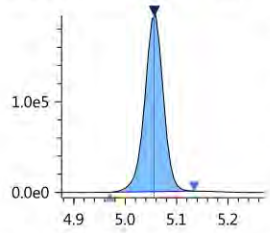

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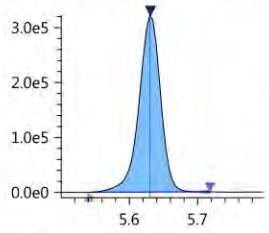

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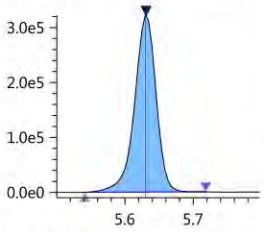

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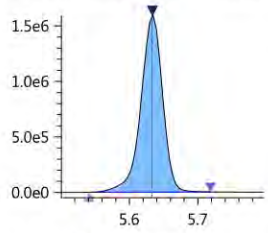

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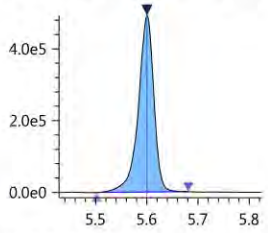
Q 622.70>59.10 (-) 4.94e5



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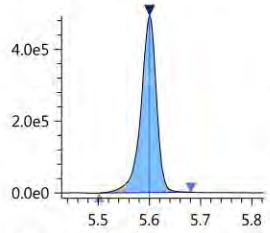

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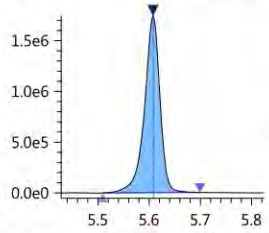

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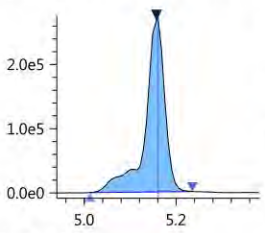

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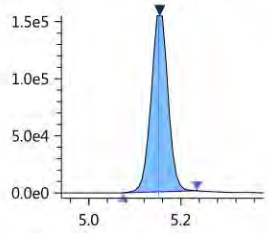

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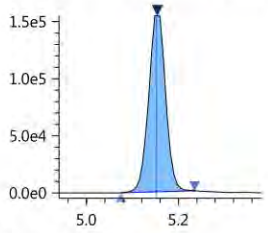

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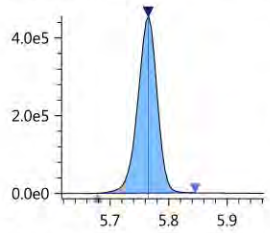

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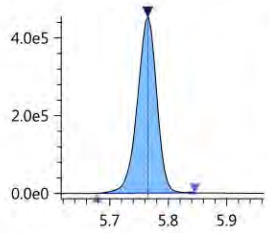

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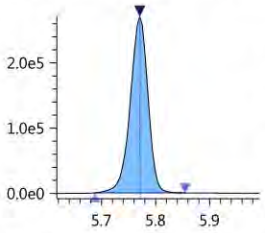

N-EtFOSE-d9_IS
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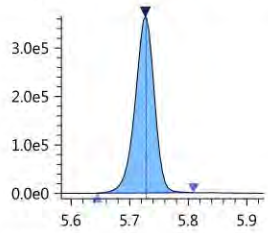

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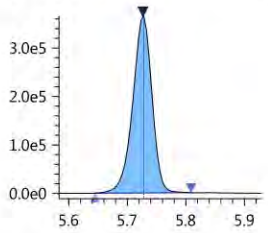

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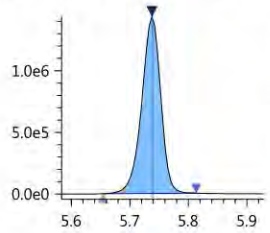

13C7-PFUnDA_IS
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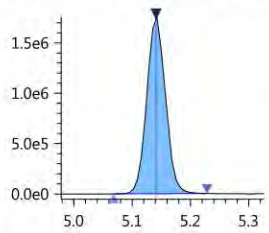
ISTD 570.00>525.00 (-) 1.76e6



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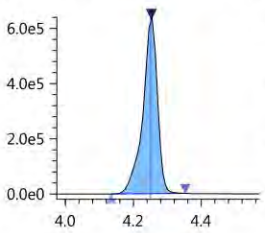
Q 349.00>99.00 (-) 6.42e5



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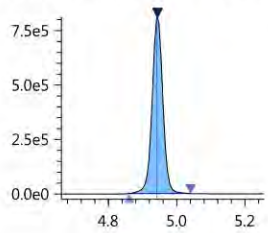

Insight Report

Printed at 6/19/2019 1:07:21 PM

190618_035

Sample ID: IB
Date acquired: 6/18/2019 4:46:46 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190618_b1\190618_035.lcd
Vial: 25 | Inj. Volume: 15.0000uL | Tray: 1

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
PFBA-13C_IS	Auto	3.433	4259195	4259195	2	5.0000	ng/mL	----
PFBA-13C	Auto	3.433	4259195	3940349	26	5.6623	ng/mL	----
PFBA	ND(W/B)	----	----	4259195	2	----	ng/mL	----
PFPeA-13C_IS	Auto	3.988	2579001	2579001	4	5.0000	ng/mL	----
PFPeA-13C	Auto	3.988	2579001	3940349	26	5.6580	ng/mL	----
PFPeA	Auto	3.988	153233	2579001	4	0.0021	ng/mL	----
PFBS_1	M	4.039	659	1505822	16	0.0019	ng/mL	----
PFBS-13C	Auto	4.041	1505822	3940349	26	5.4742	ng/mL	----
PFBS-13C_IS	Auto	4.041	1505822	1505822	16	5.0000	ng/mL	----
PFHxA-13C_IS	Auto	4.245	6003406	6003406	6	5.0000	ng/mL	----
PFHxA-13C	Auto	4.245	6003406	3940349	26	5.8426	ng/mL	----
PFHxA	Auto	4.235	40000	6003406	6	0.0023	ng/mL	----
HPFO_DA	M	4.316	754	1188852	3	0.0029	ng/mL	----
HFPO_DA-13C_IS	Auto	4.314	1188852	1188852	3	5.0000	ng/mL	----
HFPO_DA-13C	Auto	4.314	1188852	3940349	26	5.7512	ng/mL	----
4_2-FTS-13C_IS	Auto	4.216	714050	714050	5	5.0000	ng/mL	----
4_2-FTS-13C	Auto	4.216	714050	3940349	26	5.5799	ng/mL	----
4_2-FTS_1	Auto	4.224	317	714050	5	0.0020	ng/mL	----
PFHpA	M	4.420	29928	5212106	8	0.0143	ng/mL	----
PFHpA-13C_IS	Auto	4.428	5212106	5212106	8	5.0000	ng/mL	----
PFHpA-13C	Auto	4.428	5212106	3940349	26	5.2294	ng/mL	----
PFHxS-18O_IS	Auto	4.429	721920	721920	7	5.0000	ng/mL	----
PFHxS-18O	Auto	4.429	721920	3940349	26	5.1035	ng/mL	----
PFHxS_1	M	4.427	1980	721920	7	-0.0430	ng/mL	----
6_2-FTS-13C	Auto	4.589	560291	3940349	26	5.6249	ng/mL	----
6_2-FTS-13C_IS	Auto	4.589	560291	560291	10	5.0000	ng/mL	----
6_2-FTS_1	M	4.589	3829	560291	10	0.0277	ng/mL	----
PFHpS_1	Auto	4.594	362	721920	7	0.0015	ng/mL	----
PFOA-13C_IS	Auto	4.602	7451884	7451884	9	5.0000	ng/mL	----
PFOA-13C	Auto	4.602	7451884	3940349	26	6.1608	ng/mL	----
PFOA	Auto	4.599	22138	7451884	9	-0.0028	ng/mL	----
PFOS_1	M	4.770	666	902870	13	0.0044	ng/mL	----
PFOS-13C_IS	Auto	4.771	902870	902870	13	5.0000	ng/mL	----
PFOS-13C	Auto	4.771	902870	3940349	26	5.0849	ng/mL	----
PFNA-13C_IS	Auto	4.782	4946718	4946718	11	5.0000	ng/mL	----
PFNA-13C	Auto	4.782	4946718	3940349	26	6.0899	ng/mL	----
PFNA	M	4.759	6480	4946718	11	-0.0144	ng/mL	----
PFDA-13C_IS	Auto	4.968	4492753	4492753	12	5.0000	ng/mL	----
PFDA-13C	Auto	4.968	4492753	3940349	26	5.9062	ng/mL	----
PFDA	M	4.958	12560	4492753	12	0.0137	ng/mL	----
8_2-FTS-13C_IS	Auto	4.962	341592	341592	15	5.0000	ng/mL	----
8_2-FTS-13C	Auto	4.962	341592	3940349	26	6.1727	ng/mL	----
8_2-FTS_1	Auto	4.959	187	341592	15	0.0036	ng/mL	----
PFDS_1	M	5.139	176	902870	13	0.0011	ng/mL	----
PFUnA	Auto	5.145	18749	3401436	14	-0.0010	ng/mL	----
PFUnA-13C_IS	Auto	5.150	3401436	3401436	14	5.0000	ng/mL	----
PFUnA-13C	Auto	5.150	3401436	3940349	26	5.4419	ng/mL	----
PFDoA	Auto	5.321	6356	5347949	17	-0.0049	ng/mL	----
PFDoA-13C	Auto	5.326	5347949	3940349	26	6.0829	ng/mL	----
PFDoA-13C_IS	Auto	5.326	5347949	5347949	17	5.0000	ng/mL	----
10_2-FtS_1	M	5.329	77	341592	15	0.0021	ng/mL	----
PFTrDA	M	5.487	8067	4229174	22	0.0015	ng/mL	----
PFTeDA	Auto	5.636	40410	4229174	22	-0.0069	ng/mL	----
PFTeDA-13C	Auto	5.637	4229174	3940349	26	6.3151	ng/mL	----
PFTeDA-13C_IS	Auto	5.637	4229174	4229174	22	5.0000	ng/mL	----
FOSA-13C_IS	Auto	5.260	2890881	2890881	18	5.0000	ng/mL	----
FOSA-13C	Auto	5.260	2890881	3940349	26	6.2033	ng/mL	----
FOSA	M	5.259	4616	2890881	18	0.0062	ng/mL	----
N-MeFOSAA	M	5.071	2944	542599	19	0.0409	ng/mL	----
N-MeFOSAA-d3	Auto	5.065	542599	3940349	26	5.7606	ng/mL	----
N-MeFOSAA-d3_IS	Auto	5.065	542599	542599	19	5.0000	ng/mL	----
N-MeFOSA-d3_IS	Auto	5.640	793301	793301	1	5.0000	ng/mL	----
N-MeFOSA-d3	Auto	5.640	793301	3940349	26	5.6307	ng/mL	----
N-MeFOSA	M	5.639	2612	793301	1	0.0097	ng/mL	----
N-MeFOSE-d7	Auto	5.609	1056291	3940349	26	5.2075	ng/mL	----
N-MeFOSE-d7_IS	Auto	5.609	1056291	1056291	20	5.0000	ng/mL	----
N-MeFOSE	M	5.617	1565	1056291	20	0.0062	ng/mL	----
N-EtFOSAA	Auto	5.163	3121	517979	21	0.0477	ng/mL	----

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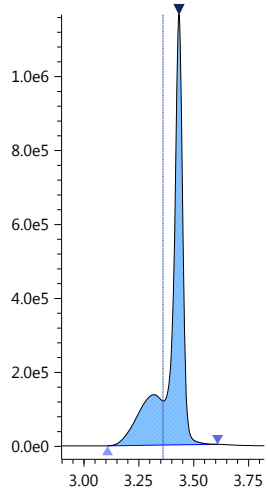
(Table continued from previous page)

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
N-EtFOSAA-d5_IS	Auto	5.162	517979	517979	21	5.0000	ng/mL	----
N-EtFOSAA-d5	Auto	5.162	517979	3940349	26	6.2445	ng/mL	----
N-EtFOSA-d9_IS	Auto	5.775	1058925	1058925	23	5.0000	ng/mL	----
N-EtFOSA-d9	Auto	5.775	1058925	3940349	26	5.0679	ng/mL	----
N-EtFOSA	ND(W/B)	----	----	1058925	23	----	ng/mL	----
N-EtFOSE-d9_IS	Auto	5.737	879161	879161	24	5.0000	ng/mL	----
N-EtFOSE-d9	Auto	5.737	879161	3940349	26	5.2922	ng/mL	----
N-EtFOSE	M	5.751	882	879161	24	0.0038	ng/mL	----
13C7-PFUnDA_IS	Auto	5.150	3940349	3940349	26	5.0000	ng/mL	----
PFPeS	ND(W/B)	----	----	1505822	16	----	ng/mL	----
PFNS	M	4.911	835	902870	13	0.0062	ng/mL	----

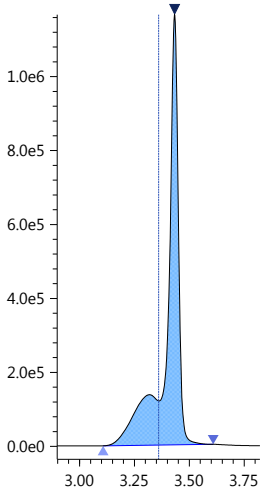
PFBA-13C_IS

Conc 5.0000
RT 3.433 Area 4259195
ISTD 216.90>172.15 (-) 1.17e6



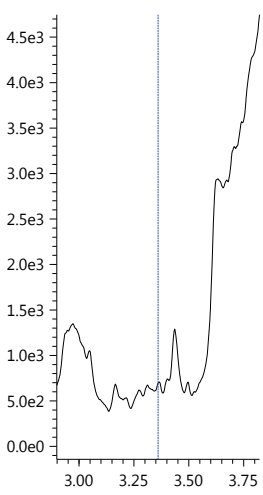
PFBA-13C

Conc 5.6623
RT 3.433 Area 4259195
Q 216.90>172.15 (-) 1.17e6



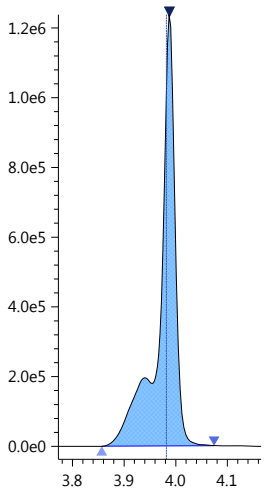
PFBA

Conc ----
RT ---- Area ----
Q 213.00>169.10 (-) 4.75e3



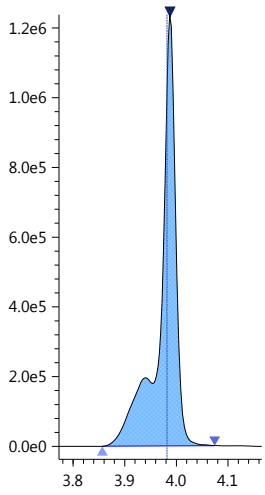
PFPeA-13C_IS

Conc 5.0000
RT 3.988 Area 2579001
ISTD 267.90>223.00 (-) 1.24e6



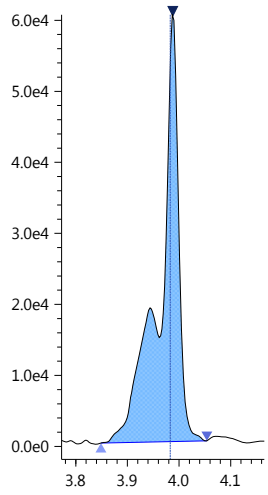
PFPeA-13C

Conc 5.6580
RT 3.988 Area 2579001
Q 267.90>223.00 (-) 1.24e6



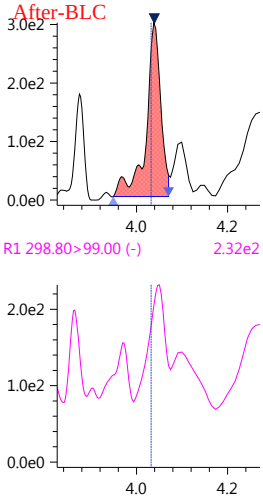
PFPeA

Conc 0.0021
RT 3.988 Area 153233
Q 263.05>219.10 (-) 6.08e4



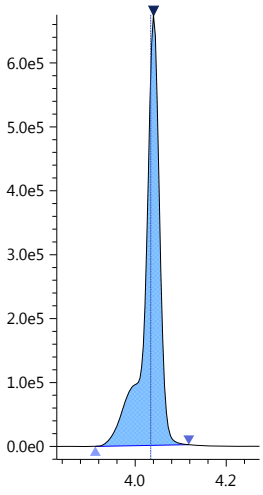
PFBS_1

Conc 0.0019
RT 4.039 Area 659
R#1 28.28 (0.00)
Q 299.00>80.00 (-) 3.03e2



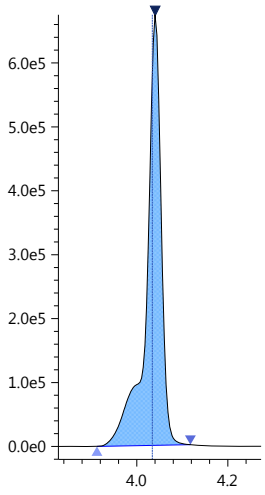
PFBS-13C

Conc 5.4742
RT 4.041 Area 1505822
Q 301.80>80.00 (-) 6.75e5



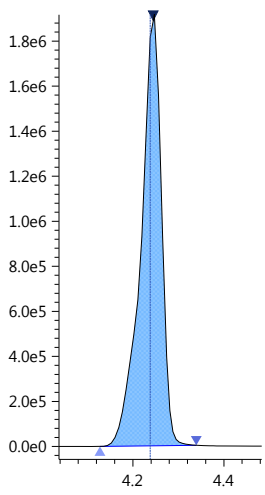
PFBS-13C_IS

Conc 5.0000
RT 4.041 Area 1505822
ISTD 301.80>80.00 (-) 6.75e5



PFHxA-13C_IS

Conc 5.0000
RT 4.245 Area 6003406
ISTD 314.90>270.10 (-) 1.92e6



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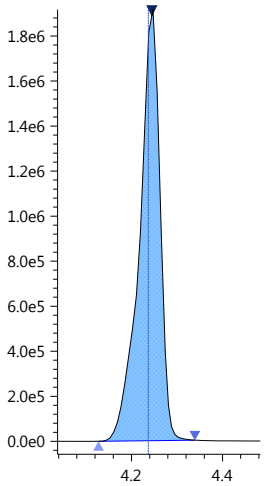
PFHxA-13C

Conc 5.8426
RT 4.245 Area 6003406

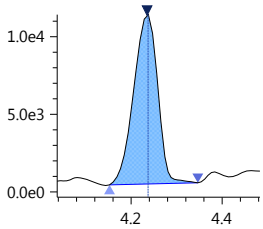
Q 314.90>270.10 (-) 1.92e6



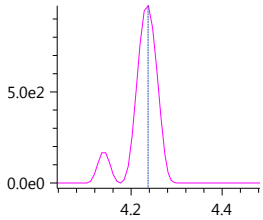
PFHxA

Conc 0.0023
RT 4.235 Area 40000
R#1 8.36 (0.00)

Q 313.00>269.00 (-) 1.14e4



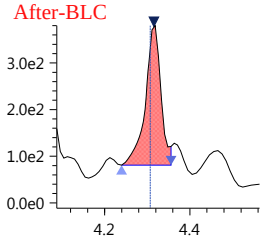
R1 313.00>119.10 (-) 9.73e2



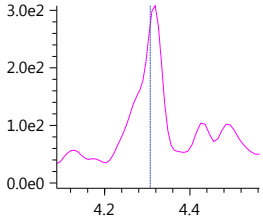
HPFO_DA

Conc 0.0029
RT 4.316 Area 754
R#1 87.81 (0.00)

Q 329.00>169.00 (-) 3.80e2



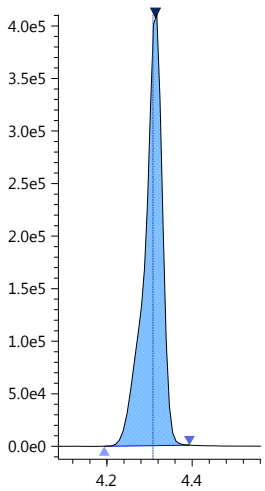
R1 329.00>285.10 (-) 3.08e2



HFPO_DA-13C_IS

Conc 5.0000
RT 4.314 Area 1188852

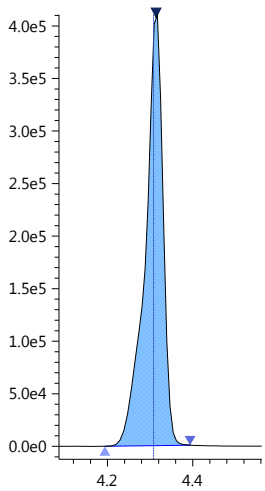
ISTD 332.00>286.80 (-) 4.11e5



HFPO_DA-13C

Conc 5.7512
RT 4.314 Area 1188852

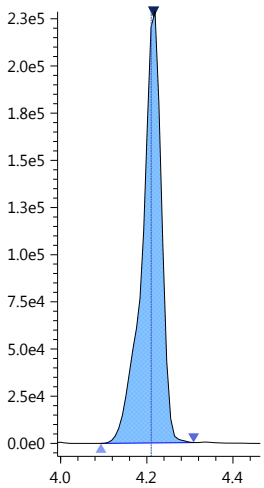
Q 332.00>286.80 (-) 4.11e5



4_2-FTS-13C_IS

Conc 5.0000
RT 4.216 Area 714050

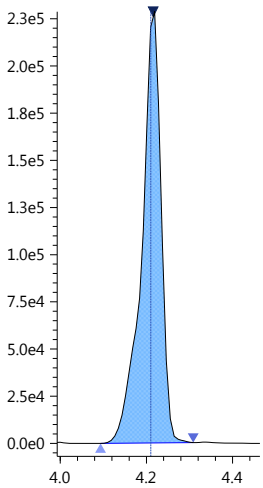
ISTD 328.80>309.05 (-) 2.29e5



4_2-FTS-13C

Conc 5.5799
RT 4.216 Area 714050

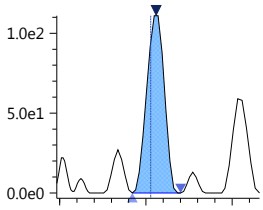
Q 328.80>309.05 (-) 2.29e5



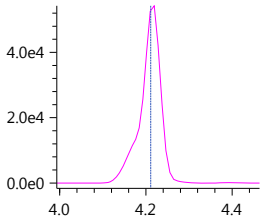
4_2-FTS_1

Conc 0.0020
RT 4.224 Area 317
R#1 42363.30 (0.00)

Q 327.00>307.05 (-) 1.11e2



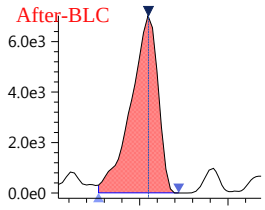
R1 327.00>81.10 (-) 5.43e4



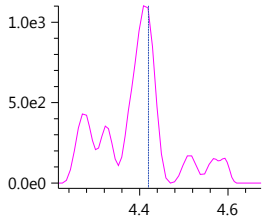
PFHpA

Conc 0.0143
RT 4.420 Area 29928
R#1 14.22 (0.00)

Q 362.90>319.00 (-) 7.03e3



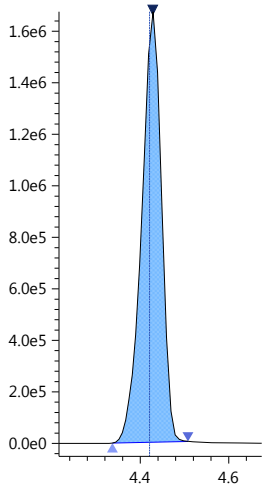
R1 362.90>169.00 (-) 1.10e3



PFHpA-13C_IS

Conc 5.0000
RT 4.428 Area 5212106

ISTD 366.90>322.10 (-) 1.68e6



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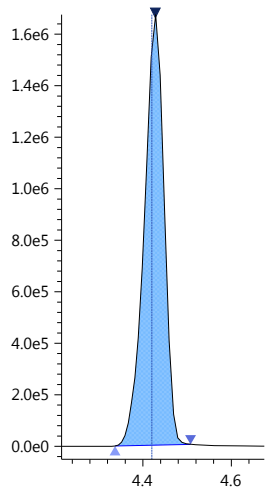
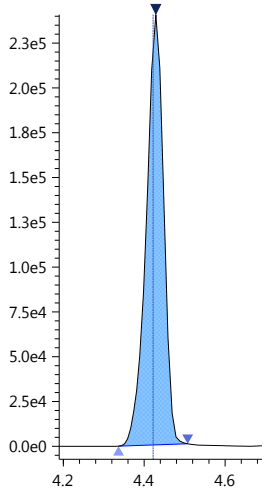
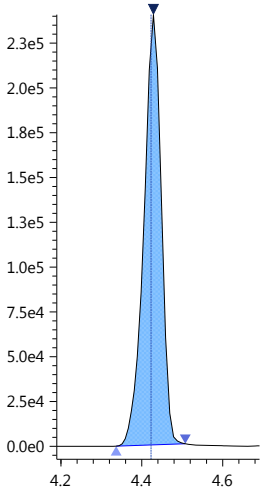
PFHpA-13C
Conc 5.2294
RT 4.428 Area 5212106
Q 366.90>322.10 (-) 1.68e6



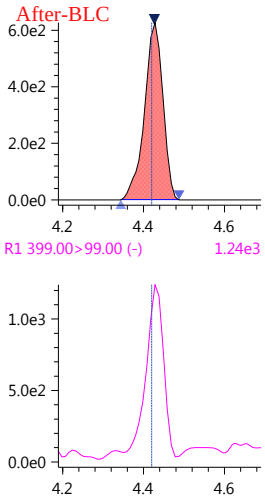
PFHxS-18O_IS
Conc 5.0000
RT 4.429 Area 721920
ISTD 402.70>84.05 (-) 2.41e5



PFHxS-18O
Conc 5.1035
RT 4.429 Area 721920
Q 402.70>84.05 (-) 2.41e5

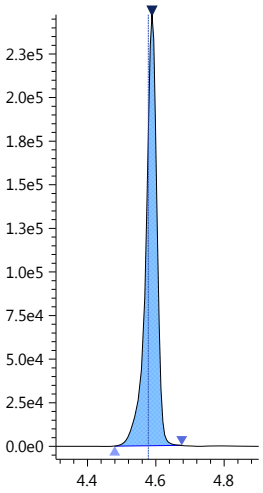


PFHxS_1
Conc -0.0430
RT 4.427 Area 1980
R#1 189.14 (0.00)
Q 399.00>80.00 (-) 6.27e2



R1 399.00>99.00 (-) 1.24e3

6_2-FTS-13C
Conc 5.6249
RT 4.589 Area 560291
Q 428.90>409.00 (-) 2.48e5



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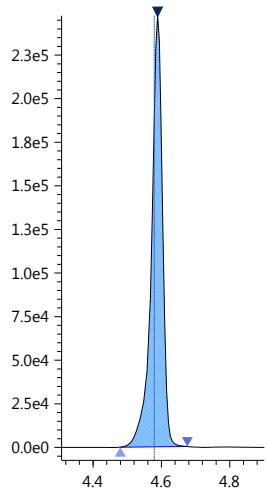
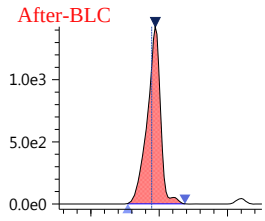
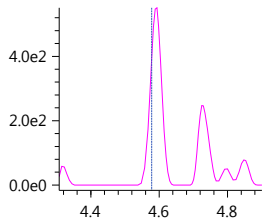
Conc 5.0000
RT 4.589 Area 560291
ISTD 428.90>409.00 (-) 2.48e5



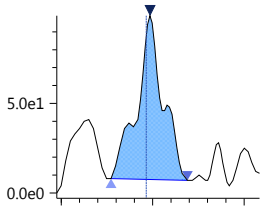
6_2-FTS_1
Conc 0.0277
RT 4.589 Area 3829
R#1 37.77 (0.00)
Q 427.00>407.00 (-) 1.43e3



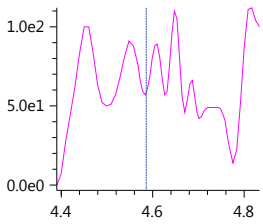
R1 427.00>80.90 (-) 5.51e2



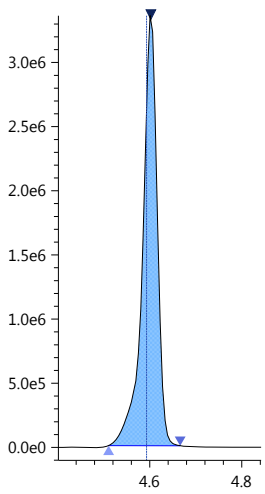
PFHpS_1
Conc 0.0015
RT 4.594 Area 362
R#1 17.35 (0.00)
Q 449.00>80.15 (-) 9.90e1



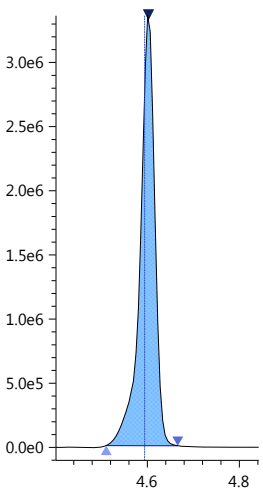
R1 449.00>99.20 (-) 1.12e2



PFOA-13C_IS
Conc 5.0000
RT 4.602 Area 7451884
ISTD 416.80>372.05 (-) 3.36e6



PFOA-13C
Conc 6.1608
RT 4.602 Area 7451884
Q 416.80>372.05 (-) 3.36e6



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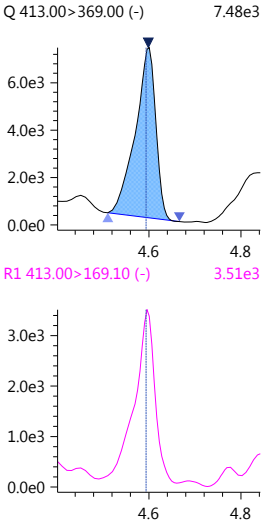
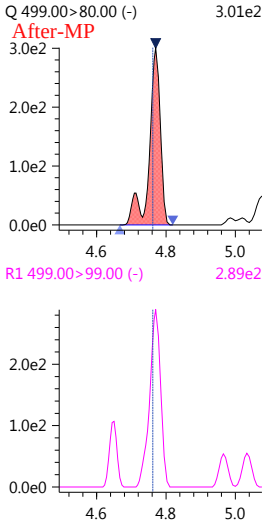
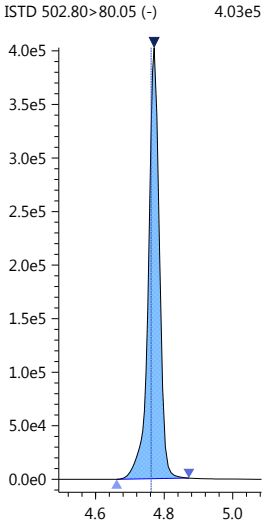
PFOA
Conc -0.0028
RT 4.599 Area 22138
R#1 45.48 (0.00)



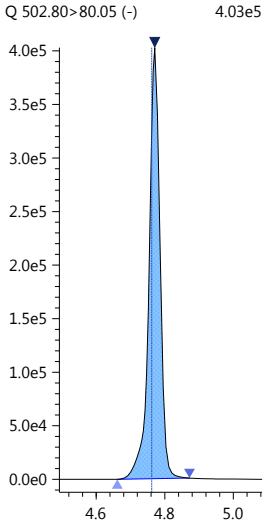
PFOS_1
Conc 0.0044
RT 4.770 Area 666
R#1 95.24 (0.00)



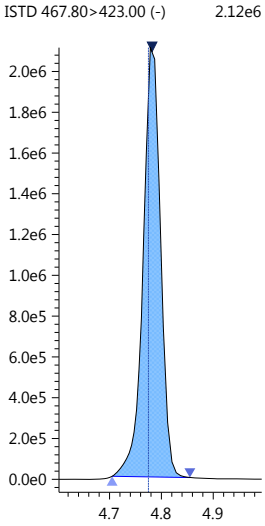
PFOS-13C_IS
Conc 5.0000
RT 4.771 Area 902870



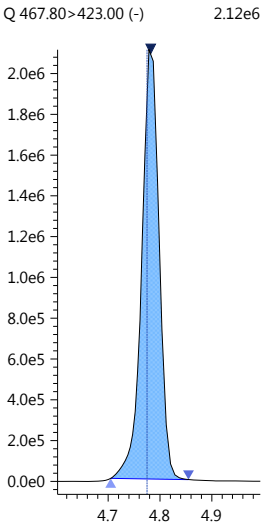
PFOS-13C
Conc 5.0849
RT 4.771 Area 902870



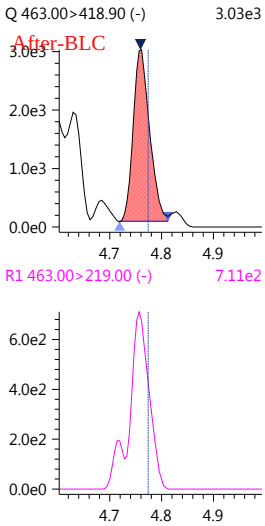
PFNA-13C_IS
Conc 5.0000
RT 4.782 Area 4946718



PFNA-13C
Conc 6.0899
RT 4.782 Area 4946718



PFNA
Conc -0.0144
RT 4.759 Area 6480
R#1 17.05 (0.00)



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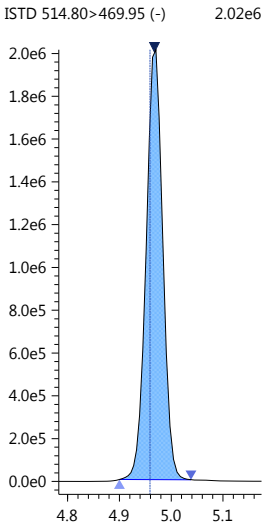
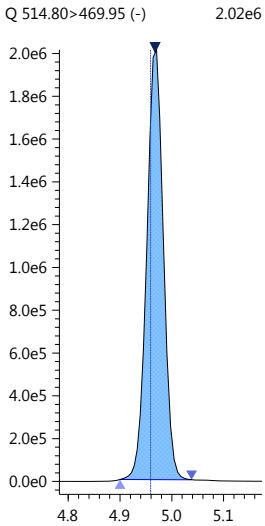
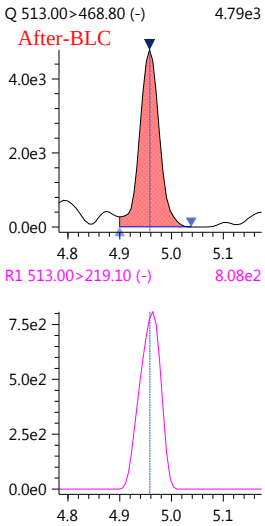
Conc 5.0000
RT 4.968 Area 4492753



PFDA-13C
Conc 5.9062
RT 4.968 Area 4492753



PFDA
Conc 0.0137
RT 4.958 Area 12560
R#1 16.45 (0.00)



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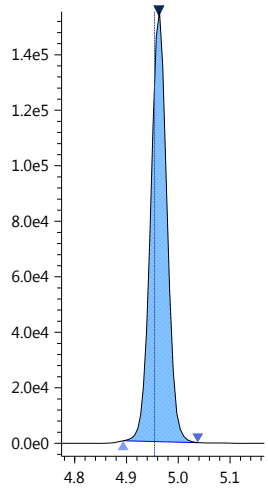
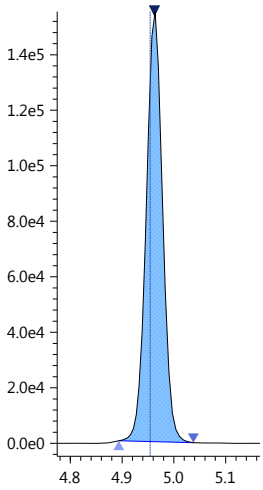
8_2-FTS-13C_IS
Conc 5.0000
RT 4.962 Area 341592

ISTD 528.80>509.00 (-) 1.56e5



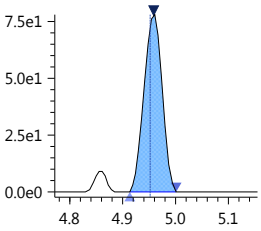
8_2-FTS-13C
Conc 6.1727
RT 4.962 Area 341592

Q 528.80>509.00 (-) 1.56e5

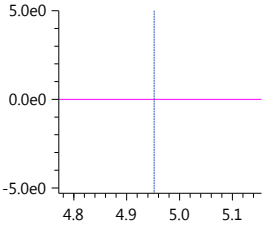


8_2-FTS_1
Conc 0.0036
RT 4.959 Area 187
R#1 0.00 (0.00)

Q 527.10>506.90 (-) 7.80e1



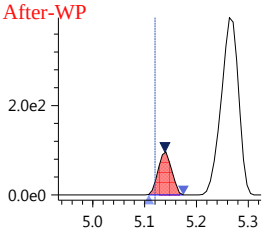
R1 527.20>487.00 (-) 0.00e0



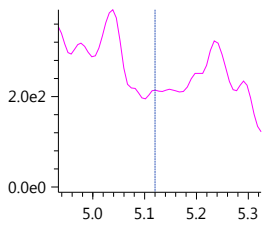
PFDS_1
Conc 0.0011
RT 5.139 Area 176
R#1 12.63 (0.00)

Q 599.00>79.90 (-) 3.97e2

After-WP

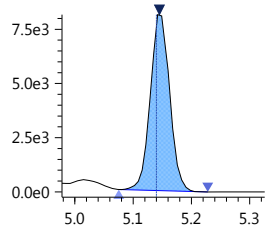


R1 599.00>99.10 (-) 3.92e2

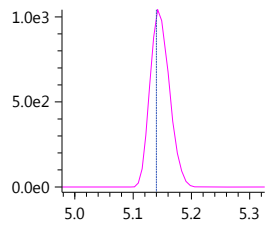


PFUnA
Conc -0.0010
RT 5.145 Area 18749
R#1 12.01 (0.00)

Q 563.00>518.90 (-) 8.18e3

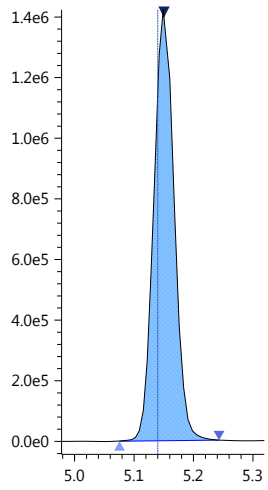


R1 563.00>219.00 (-) 1.04e3



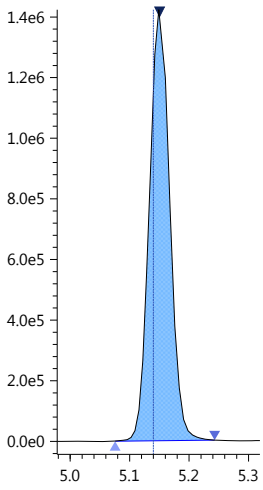
PFUnA-13C_IS
Conc 5.0000
RT 5.150 Area 3401436

ISTD 564.80>519.95 (-) 1.42e6



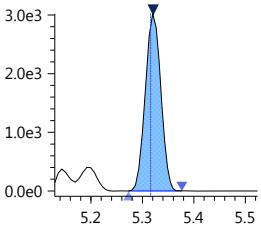
PFUnA-13C
Conc 5.4419
RT 5.150 Area 3401436

Q 564.80>519.95 (-) 1.42e6

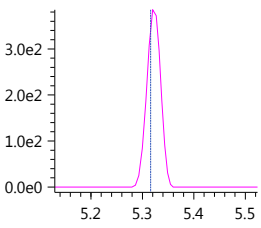


PFDoA
Conc -0.0049
RT 5.321 Area 6356
R#1 12.77 (0.00)

Q 613.05>569.00 (-) 3.02e3

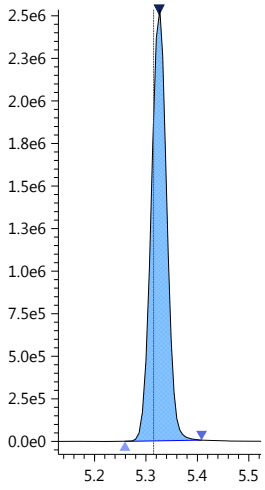


R1 613.05>169.00 (-) 3.85e2



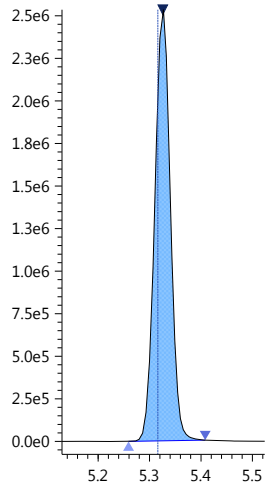
PFDoA-13C
Conc 6.0829
RT 5.326 Area 5347949

Q 614.80>569.95 (-) 2.54e6



PFDoA-13C_IS
Conc 5.0000
RT 5.326 Area 5347949

ISTD 614.80>569.95 (-) 2.54e6



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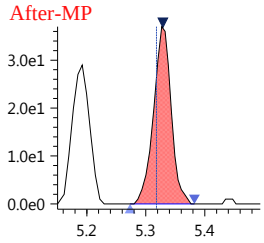
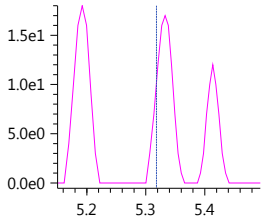
10_2-FtS_1
Conc 0.0021
RT 5.329 Area 77
R#1 42.50 (0.00)

Q 627.00>606.95 (-) 3.70e1

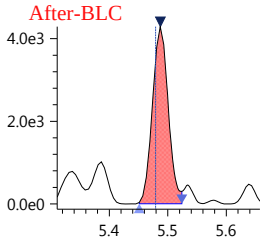


R1 627.00>81.25 (-) 1.80e1

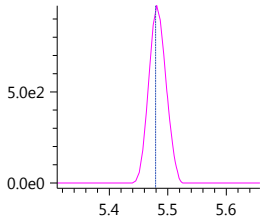


PFTrDA
Conc 0.0015
RT 5.487 Area 8067
R#1 20.64 (0.00)

Q 663.00>618.90 (-) 4.29e3

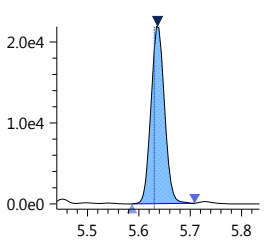


R1 662.90>169.00 (-) 9.73e2

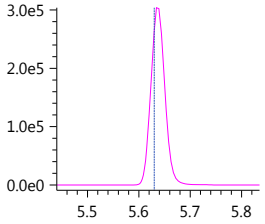


PFTeDA
Conc -0.0069
RT 5.636 Area 40410
R#1 1376.05 (0.00)

Q 713.40>669.00 (-) 2.19e4

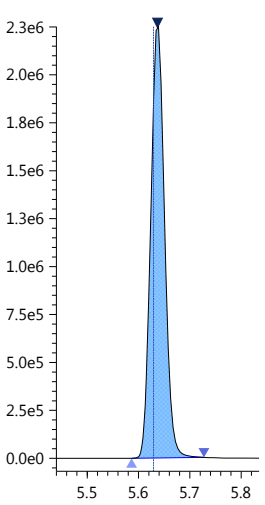


R1 713.40>169.10 (-) 3.04e5



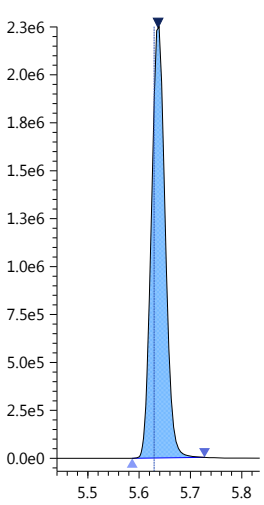
PFTeDA-13C
Conc 6.3151
RT 5.637 Area 4229174

Q 714.70>669.90 (-) 2.25e6



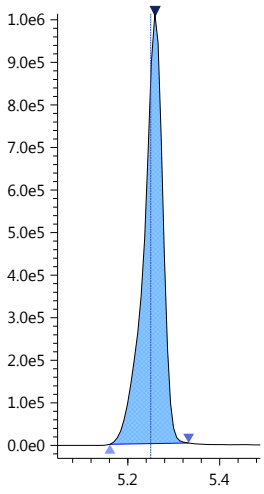
PFTeDA-13C_IS
Conc 5.0000
RT 5.637 Area 4229174

ISTD 714.70>669.90 (-) 2.25e6



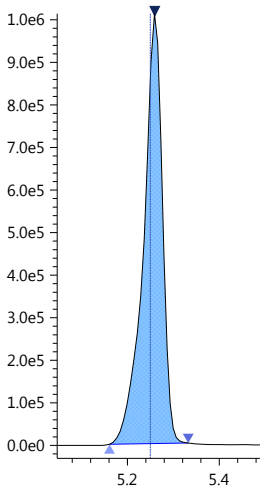
FOSA-13C_IS
Conc 5.0000
RT 5.260 Area 2890881

ISTD 506.00>78.05 (-) 1.01e6



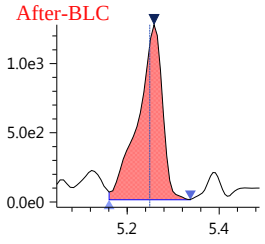
FOSA-13C
Conc 6.2033
RT 5.260 Area 2890881

Q 506.00>78.05 (-) 1.01e6

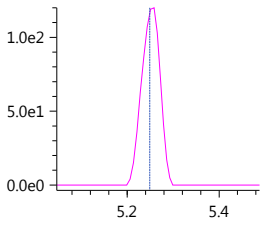


FOSA
Conc 0.0062
RT 5.259 Area 4616
R#1 9.61 (0.00)

Q 498.20>78.00 (-) 1.28e3

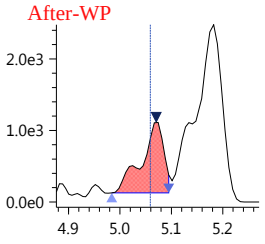


R1 498.20>64.10 (-) 1.20e2

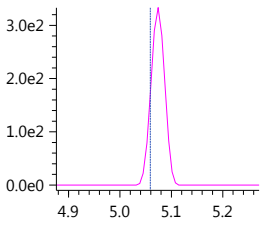


N-MeFOSAA
Conc 0.0409
RT 5.071 Area 2944
R#1 33.97 (0.00)

Q 570.20>419.00 (-) 2.48e3

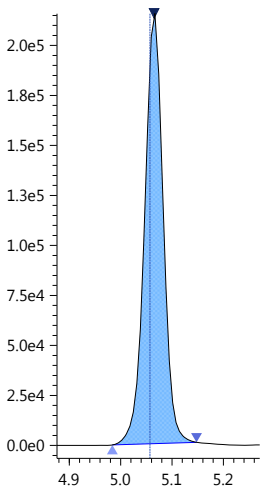


R1 570.20>512.00 (-) 3.33e2



N-MeFOSAA-d3
Conc 5.7606
RT 5.065 Area 542599

Q 572.80>419.05 (-) 2.16e5



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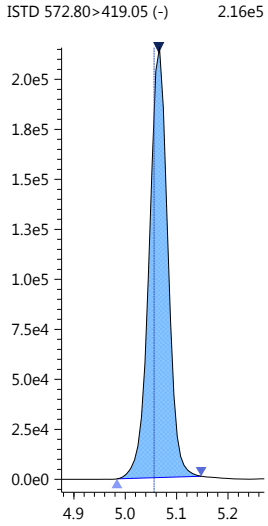
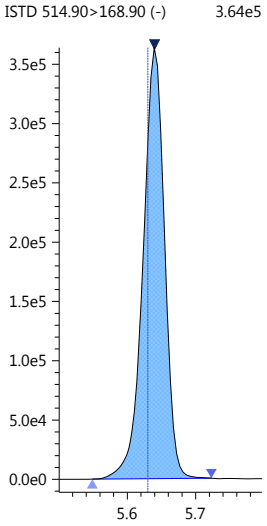
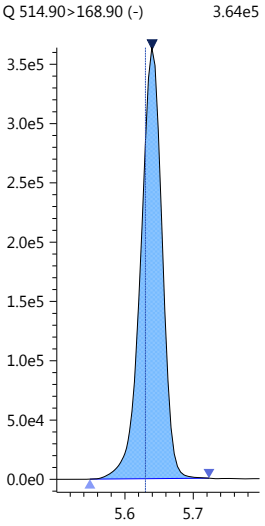
N-MeFOSAA-d3_IS
Conc 5.0000
RT 5.065 Area 542599



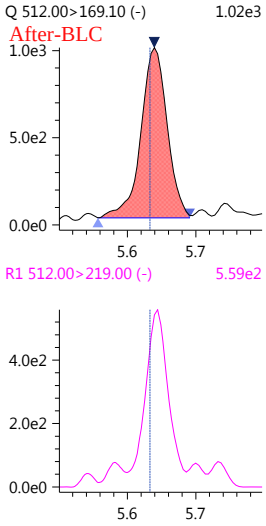
N-MeFOSA-d3_IS
Conc 5.0000
RT 5.640 Area 793301



N-MeFOSA-d3
Conc 5.6307
RT 5.640 Area 793301



N-MeFOSA
Conc 0.0097
RT 5.639 Area 2612
R#1 53.03 (0.00)



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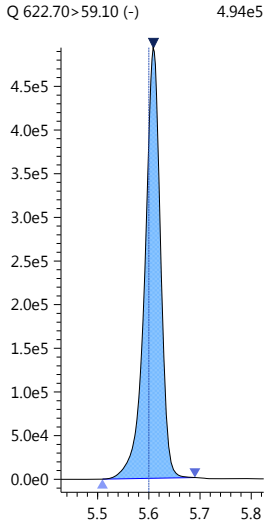
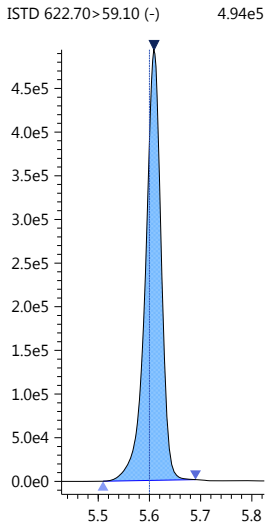
Conc 5.2075
RT 5.609 Area 1056291



N-MeFOSE-d7_IS
Conc 5.0000
RT 5.609 Area 1056291



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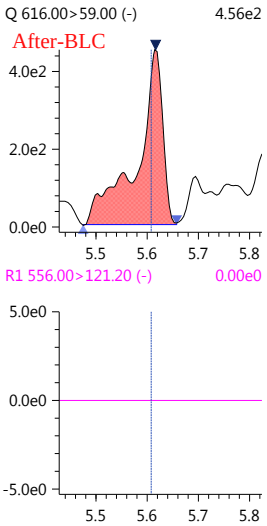
R#1 0.00 (0.00)



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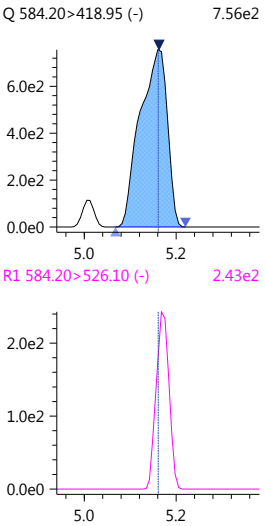
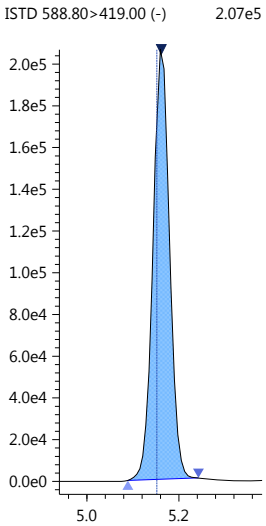
R#1 21.16 (0.00)



N-EtFOSAA-d5_IS
Conc 5.0000
RT 5.162 Area 517979



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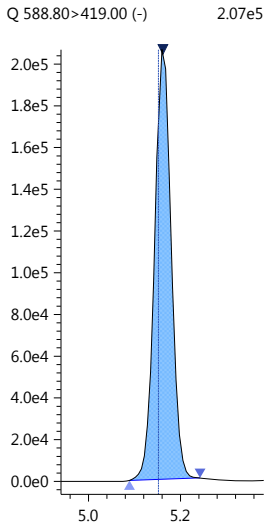
Conc 6.2445
RT 5.162 Area 517979



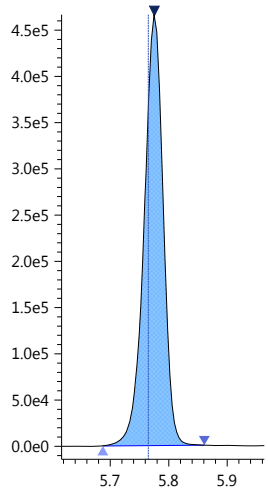
Insight Report

Printed at 6/19/2019 1:07:21 PM

N-EtFOSA-d9_IS

Conc 5.0000
RT 5.775 Area 1058925

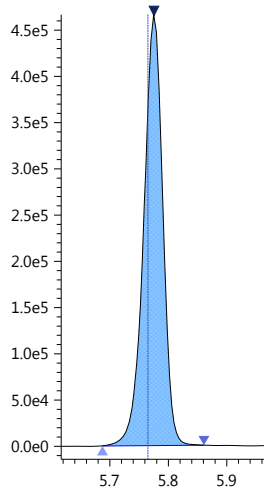
ISTD 530.90>169.15 (-) 4.67e5



N-EtFOSA-d9

Conc 5.0679
RT 5.775 Area 1058925

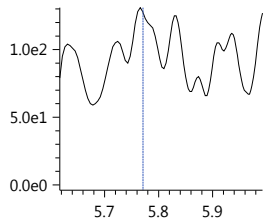
Q 530.90>169.15 (-) 4.67e5



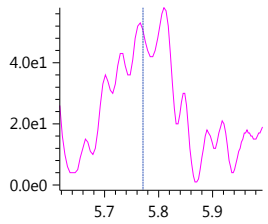
N-EtFOSA

Conc ----
RT ---- Area ----
R#1 ---- (0.00)

Q 526.90>169.10 (-) 1.31e2



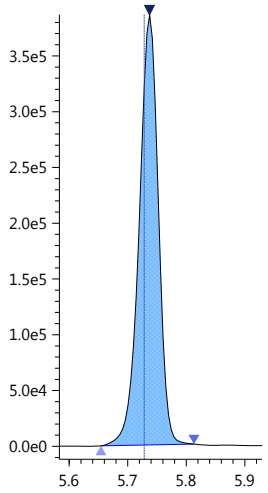
R1 526.90>219.00 (-) 5.80e1



N-EtFOSE-d9_IS

Conc 5.0000
RT 5.737 Area 879161

ISTD 638.70>59.10 (-) 3.87e5



N-EtFOSE-d9

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RT 5.737 Area 879161

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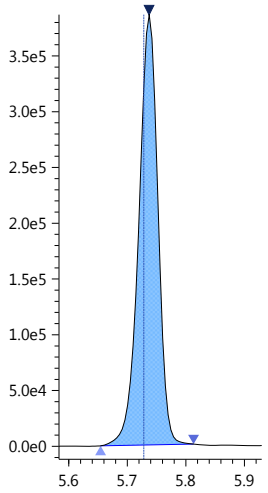
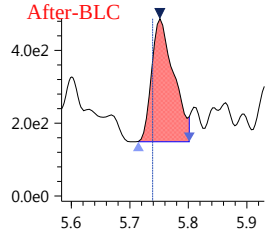


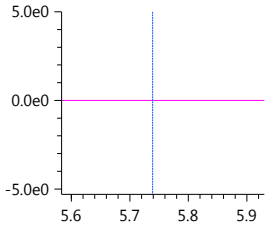
N-EtFOSE

Conc 0.0038
RT 5.751 Area 882
R#1 0.00 (0.00)

Q 630.00>58.90 (-) 4.87e2



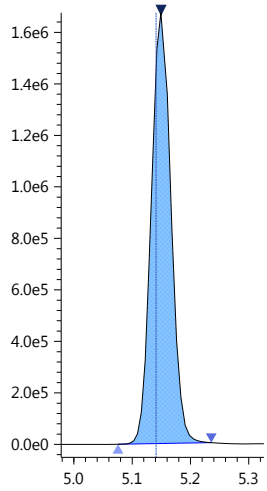
R1 570.00>136.10 (-) 0.00e0



13C7-PFUnDA_IS

Conc 5.0000
RT 5.150 Area 3940349

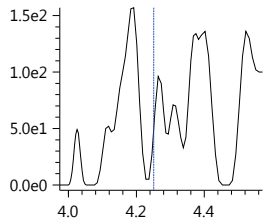
ISTD 570.00>525.00 (-) 1.68e6



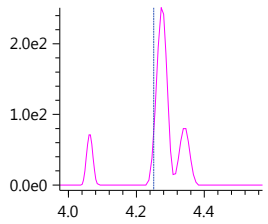
PFPeS

Conc ----
RT ---- Area ----
R#1 ---- (0.00)

Q 349.00>99.00 (-) 1.57e2



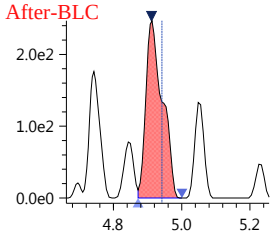
R1 349.00>79.95 (-) 2.51e2



PFNS

Conc 0.0062
RT 4.911 Area 835
R#1 0.00 (0.00)

Q 549.00>99.00 (-) 2.47e2



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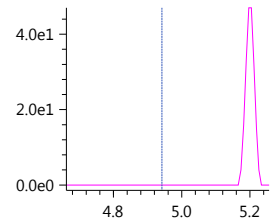

Insight Report

Printed at 6/19/2019 8:39:19 AM

190618_035

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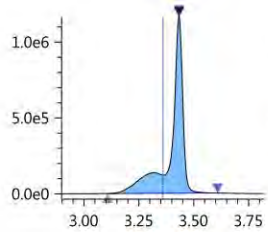
Date acquired: 6/18/2019 4:46:46 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190618_b1\190618_035.lcd
Vial: 25 | Inj. Volume: 15.0000uL | Tray: 1

PFBA-13C_IS
Conc 5.0000
RT 3.433 Area 4259195
ISTD 216.90>172.15 (-) 1.17e6



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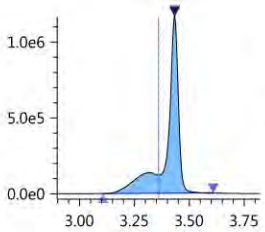
Q 216.90>172.15 (-) 1.17e6



PFBA
Conc ----
RT ---- Area ----
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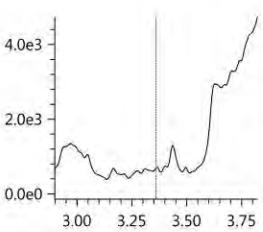

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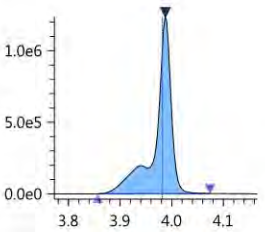
ISTD 267.90>223.00 (-) 1.24e6



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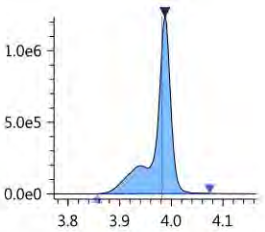
Q 267.90>223.00 (-) 1.24e6



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Conc 0.0781
RT 3.988 Area 153233
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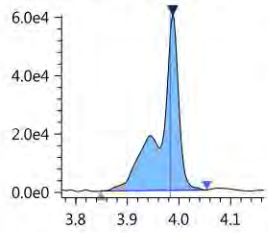

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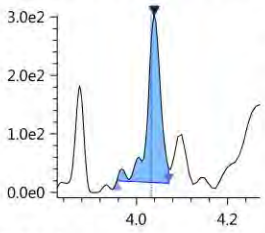
Conc 0.0016
RT 4.039 Area 574
Q 299.00>80.00 (-) 3.03e2



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Conc 5.4742
RT 4.041 Area 1505822
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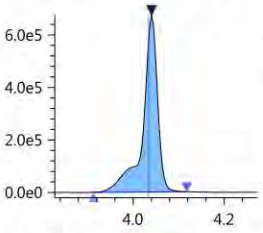

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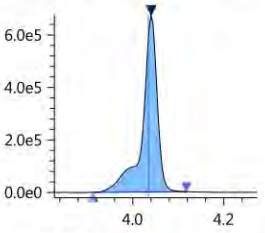

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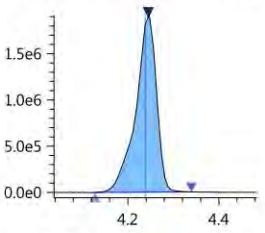

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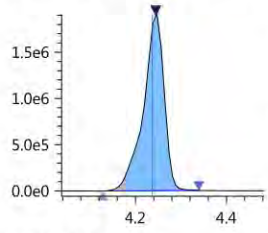

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RT 4.235 Area 40000
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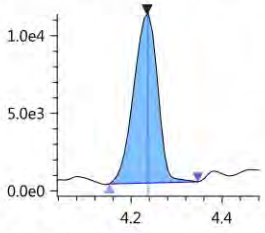

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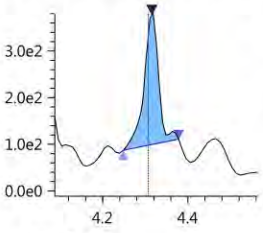
Conc 0.0026
RT 4.316 Area 669
Q 329.00>169.00 (-) 3.80e2



HFPO_DA-13C_IS
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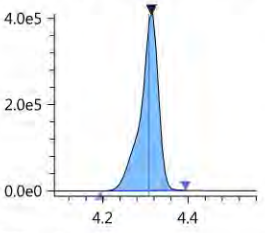
RT 4.314 Area 1188852
ISTD 332.00>286.80 (-) 4.11e5



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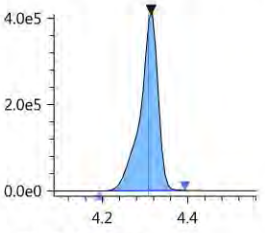

4_2-FTS-13C_IS
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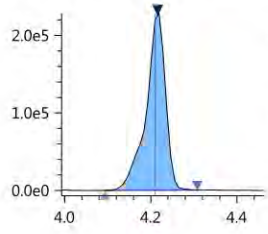
ISTD 328.80>309.05 (-) 2.29e5



4_2-FTS-13C
Conc 5.5799
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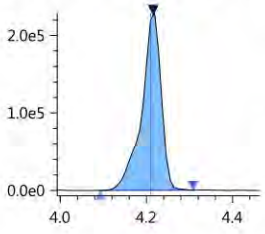
Q 328.80>309.05 (-) 2.29e5



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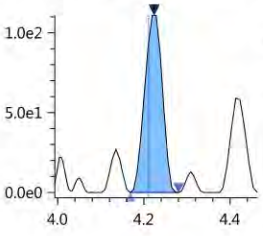
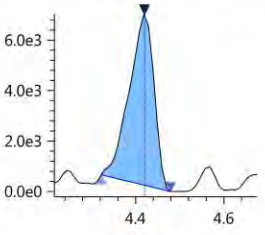
Q 327.00>307.05 (-) 1.11e2



PFHpA
Conc 0.0253
RT 4.420 Area 26497
Q 362.90>319.00 (-) 7.03e3



PFHpA-13C_IS
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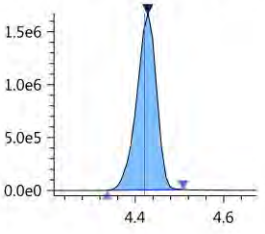

Insight Report

Printed at 6/19/2019 8:39:19 AM

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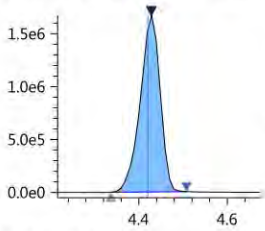

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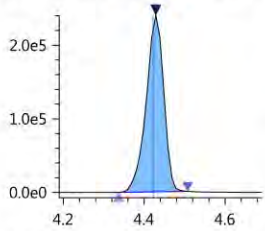

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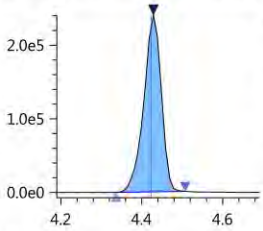
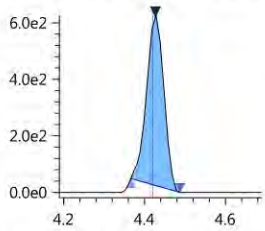


PFHxS_1
Conc 0.0084
RT 4.427 Area 1786
Q 399.00>80.00 (-) 6.27e2



6_2-FTS-13C
Conc 5.6249
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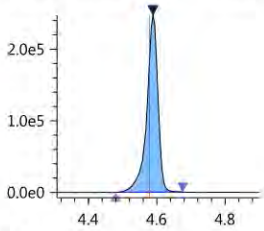
Q 428.90>409.00 (-) 2.48e5



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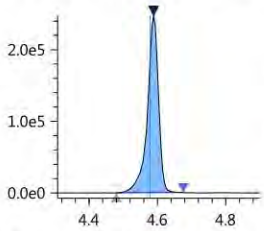
RT 4.589 Area 560291
ISTD 428.90>409.00 (-) 2.48e5



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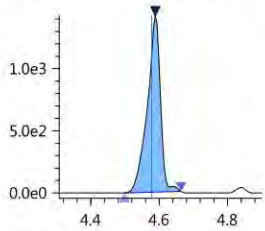
Conc 0.0273
RT 4.589 Area 3777
Q 427.00>407.00 (-) 1.43e3



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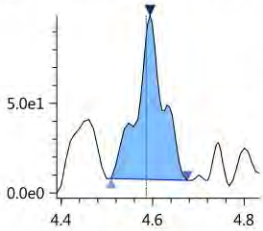
Conc 0.0015
RT 4.594 Area 362
Q 449.00>80.15 (-) 9.90e1



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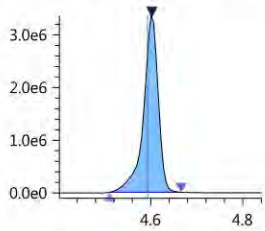
RT 4.602 Area 7451884
ISTD 416.80>372.05 (-) 3.36e6



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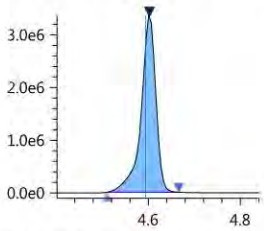
Q 416.80>372.05 (-) 3.36e6



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Conc 0.0150
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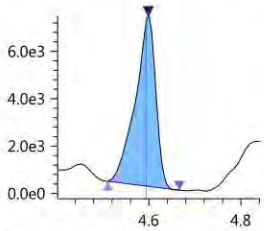
Q 413.00>369.00 (-) 7.48e3



PFOS_1
Conc ----
RT ---- Area ----
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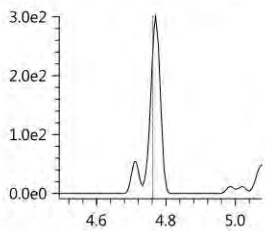

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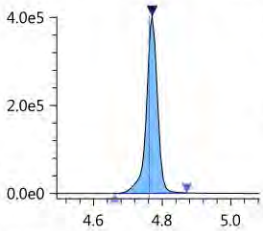
ISTD 502.80>80.05 (-) 4.03e5



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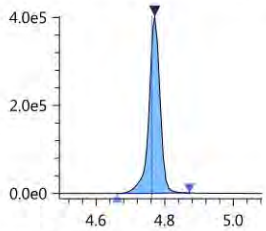

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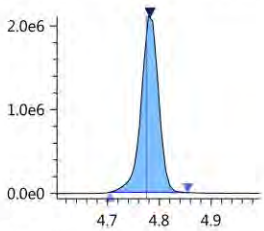

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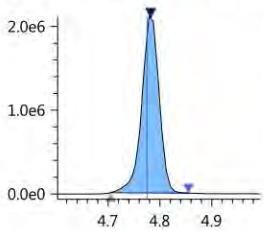

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Conc 0.0064
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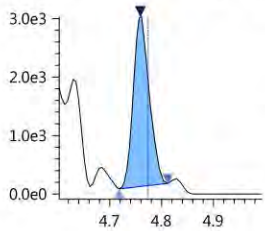

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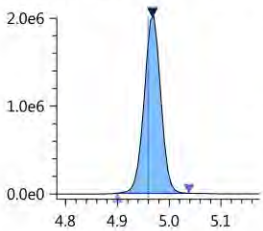

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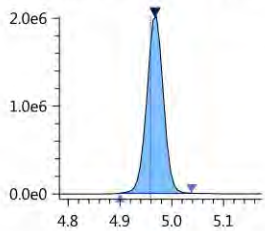

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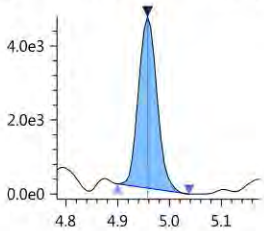

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8_2-FTS-13C_IS
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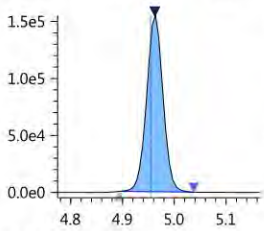
RT 4.962 Area 341592
ISTD 528.80>509.00 (-) 1.56e5



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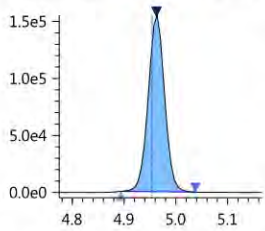

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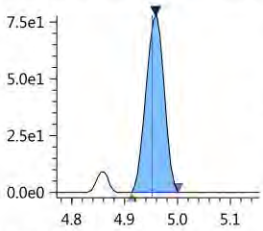

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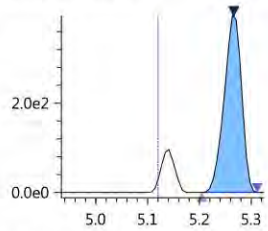

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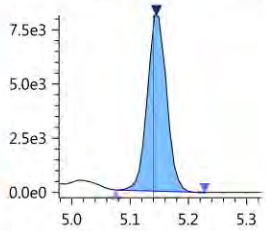

PFUnA-13C_IS
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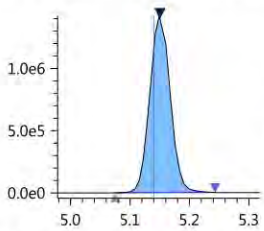
ISTD 564.80>519.95 (-) 1.42e6



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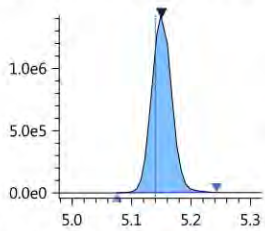

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Conc 0.0091
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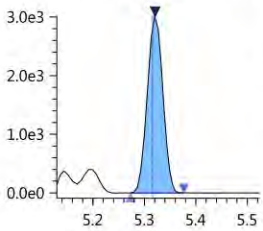

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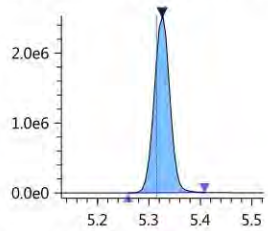
RT 5.326 Area 5347949
Q 614.80>569.95 (-) 2.54e6



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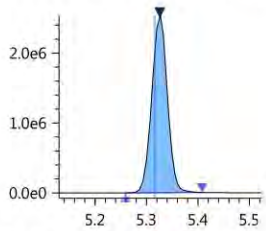

10_2-FtS_1
Conc ----
RT ---- Area ----
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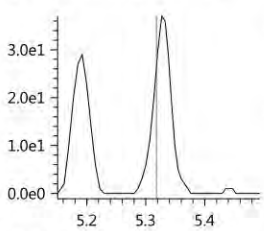

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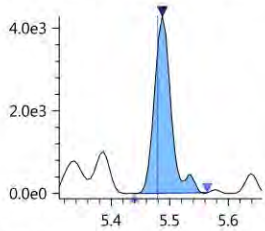
Q 663.00>618.90 (-) 4.29e3



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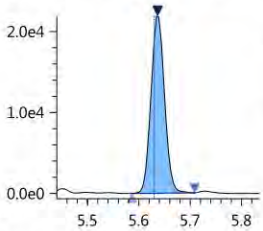
Q 713.40>669.00 (-) 2.19e4



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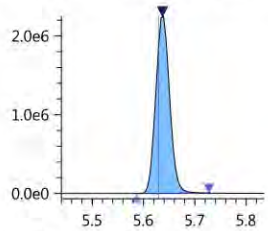

PFTeDA-13C_IS
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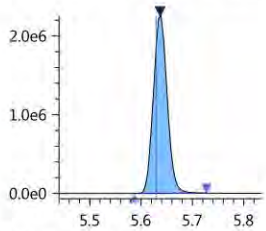
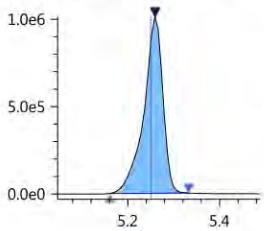
ISTD 714.70>669.90 (-) 2.25e6



FOSA-13C_IS
Conc 5.0000
RT 5.260 Area 2890881
ISTD 506.00>78.05 (-) 1.01e6



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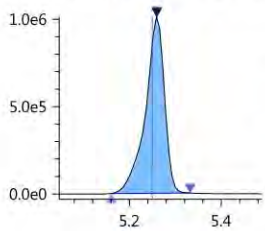

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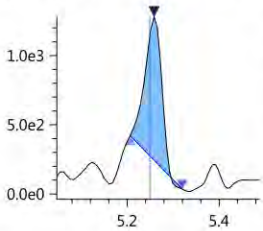
Conc 0.0035
RT 5.259 Area 2584
Q 498.20>78.00 (-) 1.28e3



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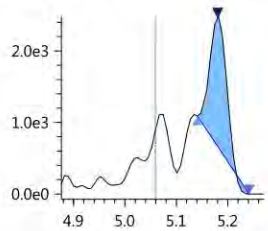
Q 570.20>419.00 (-) 2.48e3



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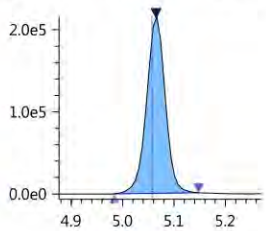

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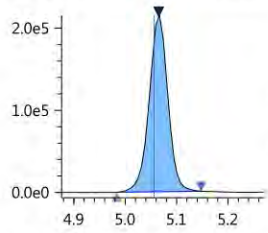

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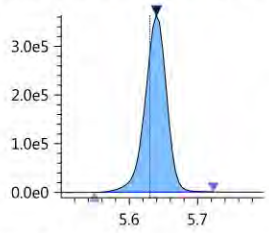
ISTD 514.90>168.90 (-) 3.64e5



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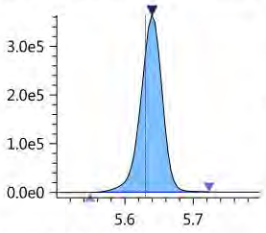
Q 514.90>168.90 (-) 3.64e5



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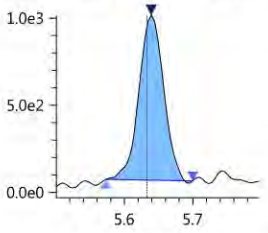
Q 512.00>169.10 (-) 1.02e3



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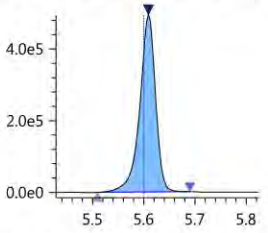
Conc 5.2075
RT 5.609 Area 1056291
Q 622.70>59.10 (-) 4.94e5



N-MeFOSE-d7_IS
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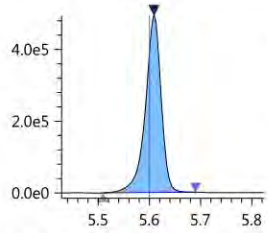
ISTD 622.70>59.10 (-) 4.94e5



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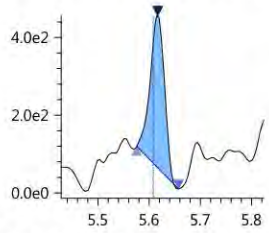
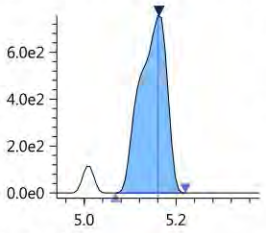
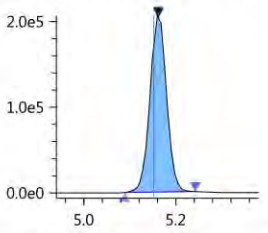
RT 5.617 Area 766
Q 616.00>59.00 (-) 4.56e2



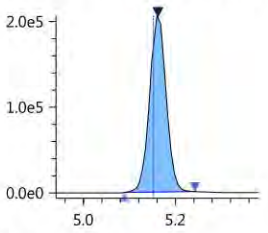
N-EtFOSAA
Conc 0.0467
RT 5.163 Area 3121
Q 584.20>418.95 (-) 7.56e2



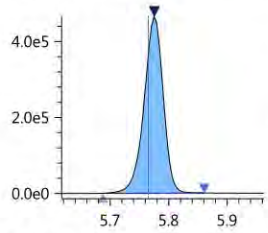
N-EtFOSAA-d5_IS
Conc 5.0000
RT 5.162 Area 517979
ISTD 588.80>419.00 (-) 2.07e5



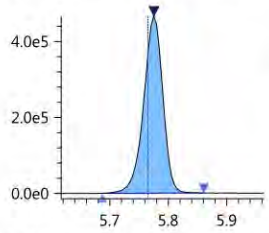
N-EtFOSAA-d5
Conc 6.2445
RT 5.162 Area 517979
Q 588.80>419.00 (-) 2.07e5



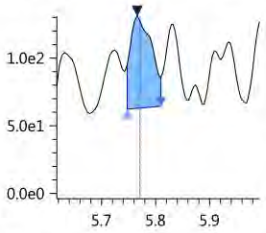
N-EtFOSA-d9_IS
Conc 5.0000
RT 5.775 Area 1058925
ISTD 530.90>169.15 (-) 4.67e5



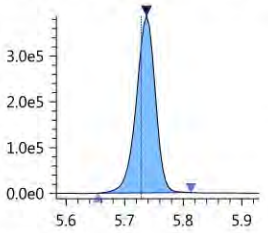
N-EtFOSA-d9
Conc 5.0679
RT 5.775 Area 1058925
Q 530.90>169.15 (-) 4.67e5



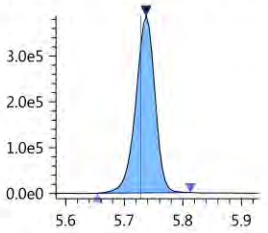
N-EtFOSA
Conc 0.0044
RT 5.766 Area 186
Q 526.90>169.10 (-) 1.31e2



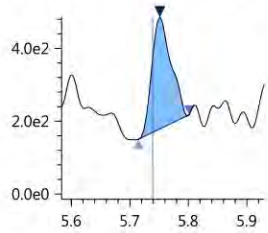
N-EtFOSE-d9_IS
Conc 5.0000
RT 5.737 Area 879161
ISTD 638.70>59.10 (-) 3.87e5



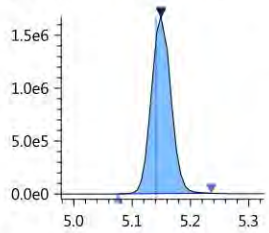
N-EtFOSE-d9
Conc 5.2922
RT 5.737 Area 879161
Q 638.70>59.10 (-) 3.87e5



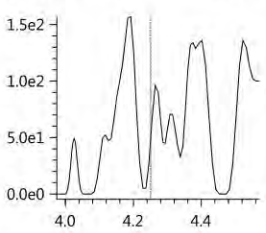
N-EtFOSE
Conc 0.0030
RT 5.751 Area 699
Q 630.00>58.90 (-) 4.87e2



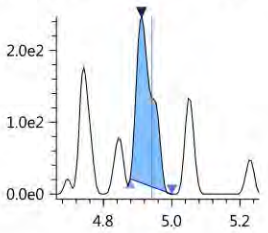
13C7-PFUnDA_IS
Conc 5.0000
RT 5.150 Area 3940349
ISTD 570.00>525.00 (-) 1.68e6



PFPeS
Conc ----
RT ---- Area ----
Q 349.00>99.00 (-) 1.57e2



PFNS
Conc 0.0056
RT 4.911 Area 752
Q 549.00>99.00 (-) 2.47e2



1st CM 06/19/19
2nd 06/20/19

Validation Report

Data File: J:\LCMS06\Data\190618_b1\190618_036
Lab ID: KQ1908506-01
RunType: CCV
Matrix: Solid

Date Acquired: 6/18/19 16:57
Batch ID: 639801
Analysis Method: PFC/537M/PFOA

Validations

Validation Categories	Pass	Fail
ICAL Analyte Recovery	X	
Second Source ICAL Verification	X	
Internal Standards	X	
Above Highest ICAL Level	X	

Primary Review: _____

Secondary Review: _____

1st CM 06/19/19
2nd 06/20/19

Quantitation Report

Data File:	J:\LCMS06\Data\190618_b1\190618_036	**Instrument:**	K-LCMS-06
Acqu Date:	6/18/19 16:57	**Vial:**	1
Run Type:	CCV	**Dilution:**	1
Lab ID:	KQ1908506-01	**Raw Units:**	ng/mL

Bottle ID:		**Tier:**	III	**Matrix:**	Solid
Prod Code:	PFOA	**Collect Date:**	5/2/19	**Receive Date:**	5/3/19

Analysis Lot:	639801	**Prep Lot:**		**Report Group:**	KQ1908506
Analysis	PFC/537M	**Prep Method:**			
		Prep Date:			

Title:	Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS	**Calibration ID:**	KC1900234
		Report List ID:	20091

Internal Standard Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	Area Criteria
13C7-PFUnDA	5.141		4762337	5.0000	OK

Surrogate Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	Rpt?
13C3-PFBS	4.033		1604726	4.8268	Y
18O2-PFHxS	4.422		814515	4.7642	Y
13C4-PFOS	4.763		1101468	5.1327	Y
13C4-PFBA	3.428		4391226	4.8302	Y
13C5-PFPeA	3.981		2731547	4.9583	Y
13C2-PFHxA	4.237		5993853	4.8265	Y
13C4-PFHpA	4.421		6022688	4.9997	Y
13C4-PFOA	4.594		7621436	5.2134	Y
13C5-PFNA	4.775		4651811	4.7384	Y
13C2-PFDA	4.960		4769824	5.1881	Y
13C2-PFUnDA	5.141		3796725	5.0259	Y
13C2-PFDoDA	5.316		5283876	4.9727	Y
13C2-PFTeDA	5.627		3988098	4.9273	Y
13C8-FOSA	5.250		2691443	4.7785	Y
D3-MeFOSA	5.630		803131	4.7165	Y
D5-EtFOSA	5.764		1162594	4.6036	Y
D7-MeFOSE	5.600		1166084	4.7565	Y
D9-EtFOSE	5.726		940676	4.6851	Y
D3-MeFOSAA	5.057		562536	4.9414	Y
D5-EtFOSAA	5.154		489629	4.8839	Y
13C2-4:2 FTS	4.208		698056	4.5134	Y
13C2-6:2 FTS	4.581		626210	5.2016	Y
13C2-8:2 FTS	4.954		351055	5.2488	Y
13C3-HFPO-DA	4.306		1261848	5.0507	Y

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

1st CM 06/19/19
2nd 06/20/19

Data File:	J:\LCMS06\Data\190618_b1\190618_036	**Instrument:**	K-LCMS-06
Acqu Date:	6/18/19 16:57	**Vial:**	1
Run Type:	CCV	**Dilution:**	1
Lab ID:	KQ1908506-01	**Raw Units:**	ng/mL

Target Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	Rpt?
Perfluorobutane sulfonic acid (PFBS)	4.032		311111	0.8261	Y
Perfluoropentane sulfonic acid (PFPeS)	4.252		152062	0.8617	Y
Perfluorohexane sulfonic acid (PFHxS)	4.420		211937	0.9678	Y
Perfluoroheptane sulfonic acid (PFHpS)	4.587		245009	0.9274	Y
Perfluorooctane sulfonic acid (PFOS)	4.762		165161	0.8984	Y
Perfluorononane sulfonic acid (PFNS)	4.944		145774	0.8876	Y
Perfluorodecane sulfonic acid (PFDS)	5.122		172057	0.8690	Y
Perfluorobutanoic acid (PFBA)	3.429		900925	1.0047	Y
Perfluoropentanoic acid (PFPeA)	3.982		1457375	0.9852	Y
Perfluorohexanoic acid (PFHxA)	4.238		1398799	1.0056	Y
Perfluoroheptanoic acid (PFHpA)	4.421		1138286	0.9903	Y
Perfluorooctanoic acid (PFOA)	4.594		1384213	0.9825	Y
Perfluorononanoic acid (PFNA)	4.775		946084	1.1167	Y
Perfluorodecanoic acid (PFDA)	4.960		943085	0.9712	Y
Perfluoroundecanoic acid (PFUnDA)	5.141		676541	1.0043	Y
Perfluorododecanoic acid (PFDoDA)	5.316		647378	0.9835	Y
Perfluorotridecanoic acid (PFTrDA)	5.478		800708	1.0345	Y
Perfluorotetradecanoic acid (PFTeDA)	5.627		314986	1.0159	Y
Perfluorooctane sulfonamide (FOSA)	5.250		681452	0.9893	Y
N-Methyl perfluorooctane sulfonamide (MeFOSA)	5.633		234543	0.8567	Y
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	5.770		40788	0.8703	Y
N-Methyl perfluorooctane sulfonamidoethanol	5.607		247821	0.8890	Y
N-Ethyl perfluorooctane sulfonamidoethanol	5.737		227019	0.9232	Y
N-Methyl perfluorooctane sulfonamidoacetic acid	5.059		76436	1.0238	Y
N-Ethyl perfluorooctane sulfonamidoacetic acid	5.158		66076	1.0688	Y
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	4.208		135102	0.8595	Y
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	4.580		151183	0.9776	Y
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	4.954		49330	0.9208	Y
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	5.318		32694	0.8745	Y
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	4.307		239257	0.8668	Y

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Insight Report

Printed at 6/19/2019 1:07:21 PM

190618_036

Sample ID: 1.0 PPB ICV
Date acquired: 6/18/2019 4:57:16 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190618_b1\190618_036.lcd
Vial: 35 | Inj. Volume: 15.0000uL | Tray: 1

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
PFBA-13C_IS	Auto	3.428	4391226	4391226	2	5.0000	ng/mL	5.0000
PFBA-13C	Auto	3.428	4391226	4762337	26	4.8302	ng/mL	5.0000
PFBA	Auto	3.429	900925	4391226	2	1.0047	ng/mL	1.0000
PFPeA-13C_IS	Auto	3.981	2731547	2731547	4	5.0000	ng/mL	5.0000
PFPeA-13C	Auto	3.981	2731547	4762337	26	4.9583	ng/mL	5.0000
PFPeA	Auto	3.982	1457375	2731547	4	0.9852	ng/mL	1.0000
PFBS_1	Auto	4.032	311111	1604726	16	0.8261	ng/mL	0.8874
PFBS-13C	Auto	4.033	1604726	4762337	26	4.8268	ng/mL	5.0000
PFBS-13C_IS	Auto	4.033	1604726	1604726	16	5.0000	ng/mL	5.0000
PFHxA-13C_IS	Auto	4.237	5993853	5993853	6	5.0000	ng/mL	5.0000
PFHxA-13C	Auto	4.237	5993853	4762337	26	4.8265	ng/mL	5.0000
PFHxA	Auto	4.238	1398799	5993853	6	1.0056	ng/mL	1.0000
HPFO_DA	Auto	4.307	239257	1261848	3	0.8668	ng/mL	1.0000
HFPO_DA-13C_IS	Auto	4.306	1261848	1261848	3	5.0000	ng/mL	5.0000
HFPO_DA-13C	Auto	4.306	1261848	4762337	26	5.0507	ng/mL	5.0000
4_2-FTS-13C_IS	Auto	4.208	698056	698056	5	5.0000	ng/mL	5.0000
4_2-FTS-13C	Auto	4.208	698056	4762337	26	4.5134	ng/mL	5.0000
4_2-FTS_1	Auto	4.208	135102	698056	5	0.8595	ng/mL	0.9372
PFHpA	Auto	4.421	1138286	6022688	8	0.9903	ng/mL	1.0000
PFHpA-13C_IS	Auto	4.421	6022688	6022688	8	5.0000	ng/mL	5.0000
PFHpA-13C	Auto	4.421	6022688	4762337	26	4.9997	ng/mL	5.0000
PFHxS-18O_IS	Auto	4.422	814515	814515	7	5.0000	ng/mL	5.0000
PFHxS-18O	Auto	4.422	814515	4762337	26	4.7642	ng/mL	5.0000
PFHxS_1	Auto	4.420	211937	814515	7	0.9678	ng/mL	0.9131
6_2-FTS-13C	Auto	4.581	626210	4762337	26	5.2016	ng/mL	5.0000
6_2-FTS-13C_IS	Auto	4.581	626210	626210	10	5.0000	ng/mL	5.0000
6_2-FTS_1	Auto	4.580	151183	626210	10	0.9776	ng/mL	0.9512
PFHpS_1	Auto	4.587	245009	814515	7	0.9274	ng/mL	0.9534
PFOA-13C_IS	Auto	4.594	7621436	7621436	9	5.0000	ng/mL	5.0000
PFOA-13C	Auto	4.594	7621436	4762337	26	5.2134	ng/mL	5.0000
PFOA	Auto	4.594	1384213	7621436	9	0.9825	ng/mL	1.0000
PFOS_1	Auto	4.762	165161	1101468	13	0.8984	ng/mL	0.9292
PFOS-13C_IS	Auto	4.763	1101468	1101468	13	5.0000	ng/mL	5.0000
PFOS-13C	Auto	4.763	1101468	4762337	26	5.1327	ng/mL	5.0000
PFNA-13C_IS	Auto	4.775	4651811	4651811	11	5.0000	ng/mL	5.0000
PFNA-13C	Auto	4.775	4651811	4762337	26	4.7384	ng/mL	5.0000
PFNA	Auto	4.775	946084	4651811	11	1.1167	ng/mL	1.0000
PFDA-13C_IS	Auto	4.960	4769824	4769824	12	5.0000	ng/mL	5.0000
PFDA-13C	Auto	4.960	4769824	4762337	26	5.1881	ng/mL	5.0000
PFDA	Auto	4.960	943085	4769824	12	0.9712	ng/mL	1.0000
8_2-FTS-13C_IS	Auto	4.954	351055	351055	15	5.0000	ng/mL	5.0000
8_2-FTS-13C	Auto	4.954	351055	4762337	26	5.2488	ng/mL	5.0000
8_2-FTS_1	Auto	4.954	49330	351055	15	0.9208	ng/mL	0.9600
PFDS_1	Auto	5.122	172057	1101468	13	0.8690	ng/mL	0.9647
PFUnA	Auto	5.141	676541	3796725	14	1.0043	ng/mL	1.0000
PFUnA-13C_IS	Auto	5.141	3796725	3796725	14	5.0000	ng/mL	5.0000
PFUnA-13C	Auto	5.141	3796725	4762337	26	5.0259	ng/mL	5.0000
PFDoA	Auto	5.316	647378	5283876	17	0.9835	ng/mL	1.0000
PFDoA-13C	Auto	5.316	5283876	4762337	26	4.9727	ng/mL	5.0000
PFDoA-13C_IS	Auto	5.316	5283876	5283876	17	5.0000	ng/mL	5.0000
10_2-FtS_1	Auto	5.318	32694	351055	15	0.8745	ng/mL	0.9662
PFTrDA	Auto	5.478	800708	3988098	22	1.0345	ng/mL	1.0000
PFTeDA	Auto	5.627	314986	3988098	22	1.0159	ng/mL	1.0000
PFTeDA-13C	Auto	5.627	3988098	4762337	26	4.9273	ng/mL	5.0000
PFTeDA-13C_IS	Auto	5.627	3988098	3988098	22	5.0000	ng/mL	5.0000
FOSA-13C_IS	Auto	5.250	2691443	2691443	18	5.0000	ng/mL	5.0000
FOSA-13C	Auto	5.250	2691443	4762337	26	4.7785	ng/mL	5.0000
FOSA	Auto	5.250	681452	2691443	18	0.9893	ng/mL	1.0000
N-MeFOSAA	M	5.059	76436	562536	19	1.0238	ng/mL	1.0000
N-MeFOSAA-d3	Auto	5.057	562536	4762337	26	4.9414	ng/mL	5.0000
N-MeFOSAA-d3_IS	Auto	5.057	562536	562536	19	5.0000	ng/mL	5.0000
N-MeFOSA-d3_IS	Auto	5.630	803131	803131	1	5.0000	ng/mL	5.0000
N-MeFOSA-d3	Auto	5.630	803131	4762337	26	4.7165	ng/mL	5.0000
N-MeFOSA	Auto	5.633	234543	803131	1	0.8567	ng/mL	1.0000
N-MeFOSE-d7	Auto	5.600	1166084	4762337	26	4.7565	ng/mL	5.0000
N-MeFOSE-d7_IS	Auto	5.600	1166084	1166084	20	5.0000	ng/mL	5.0000
N-MeFOSE	Auto	5.607	247821	1166084	20	0.8890	ng/mL	1.0000
N-EtFOSAA	Auto	5.158	66076	489629	21	1.0688	ng/mL	1.0000

Insight Report

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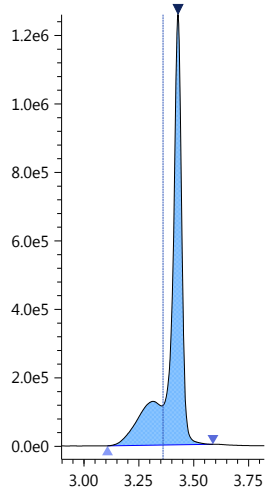
(Table continued from previous page)

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
N-EtFOSAA-d5_IS	Auto	5.154	489629	489629	21	5.0000	ng/mL	5.0000
N-EtFOSAA-d5	Auto	5.154	489629	4762337	26	4.8839	ng/mL	5.0000
N-EtFOSA-d9_IS	Auto	5.764	1162594	1162594	23	5.0000	ng/mL	5.0000
N-EtFOSA-d9	Auto	5.764	1162594	4762337	26	4.6036	ng/mL	5.0000
N-EtFOSA	Auto	5.770	40788	1162594	23	0.8703	ng/mL	1.0000
N-EtFOSE-d9_IS	Auto	5.726	940676	940676	24	5.0000	ng/mL	5.0000
N-EtFOSE-d9	Auto	5.726	940676	4762337	26	4.6851	ng/mL	5.0000
N-EtFOSE	Auto	5.737	227019	940676	24	0.9232	ng/mL	1.0000
13C7-PFUnDA_IS	Auto	5.141	4762337	4762337	26	5.0000	ng/mL	5.0000
PFPeS	Auto	4.252	152062	1604726	16	0.8617	ng/mL	0.9409
PFNS	Auto	4.944	145774	1101468	13	0.8876	ng/mL	0.9616

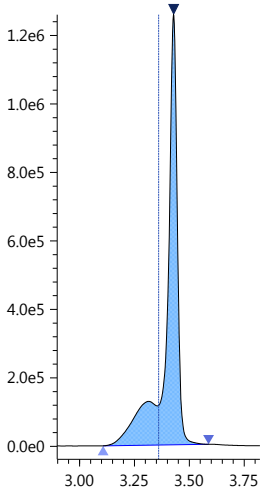
PFBA-13C_IS

Conc 5.0000
RT 3.428 Area 4391226
ISTD 216.90>172.15 (-) 1.26e6



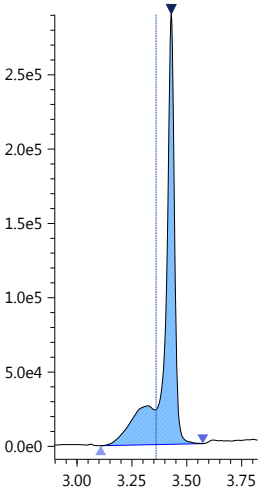
PFBA-13C

Conc 4.8302
RT 3.428 Area 4391226
Q 216.90>172.15 (-) 1.26e6



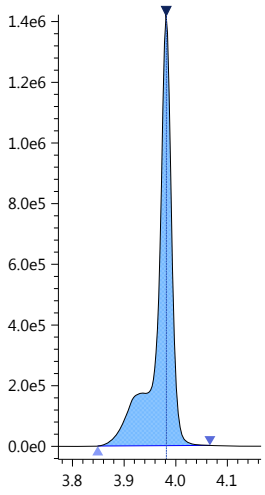
PFBA

Conc 1.0047
RT 3.429 Area 900925
Q 213.00>169.10 (-) 2.90e5



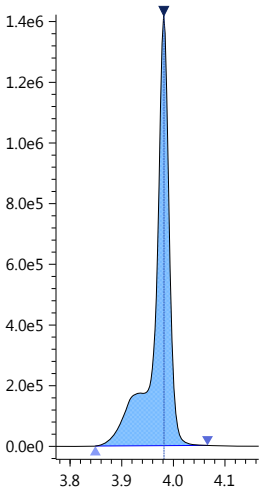
PFPeA-13C_IS

Conc 5.0000
RT 3.981 Area 2731547
ISTD 267.90>223.00 (-) 1.42e6



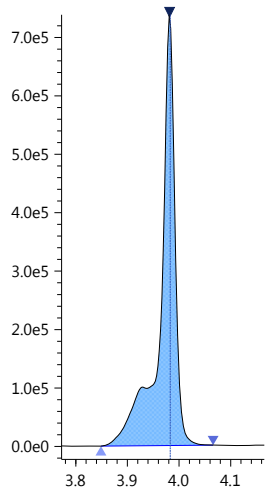
PFPeA-13C

Conc 4.9583
RT 3.981 Area 2731547
Q 267.90>223.00 (-) 1.42e6



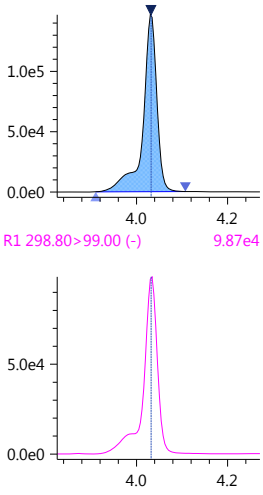
PFPeA

Conc 0.9852
RT 3.982 Area 1457375
Q 263.05>219.10 (-) 7.39e5



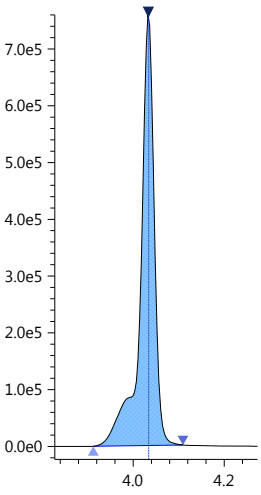
PFBS_1

Conc 0.8261
RT 4.032 Area 311111
R#1 65.84 (0.00)
Q 299.00>80.00 (-) 1.47e5



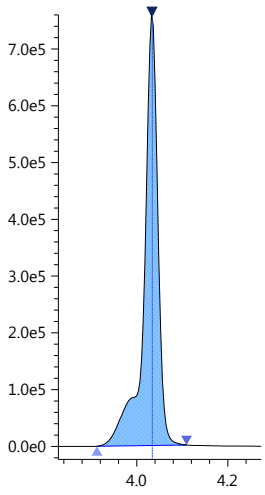
PFBS-13C

Conc 4.8268
RT 4.033 Area 1604726
Q 301.80>80.00 (-) 7.60e5



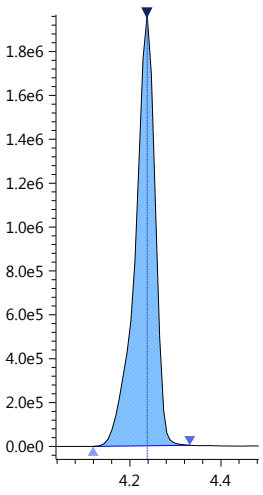
PFBS-13C_IS

Conc 5.0000
RT 4.033 Area 1604726
ISTD 301.80>80.00 (-) 7.60e5



PFHxA-13C_IS

Conc 5.0000
RT 4.237 Area 5993853
ISTD 314.90>270.10 (-) 1.97e6



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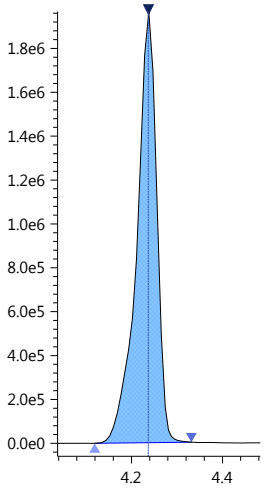
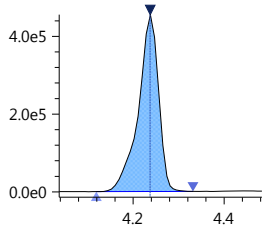
PFHxA-13C
Conc 4.8265
RT 4.237 Area 5993853

Q 314.90>270.10 (-) 1.97e6

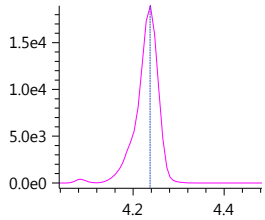


PFHxA
Conc 1.0056
RT 4.238 Area 1398799
R#1 4.16 (0.00)

Q 313.00>269.00 (-) 4.56e5

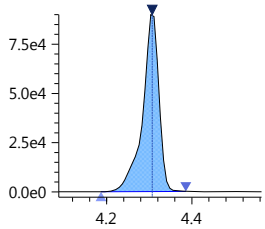


R1 313.00>119.10 (-) 1.90e4

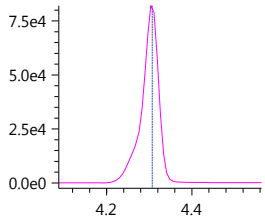


HPFO_DA
Conc 0.8668
RT 4.307 Area 239257
R#1 90.90 (0.00)

Q 329.00>169.00 (-) 9.00e4

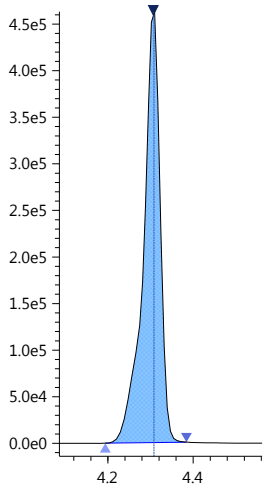


R1 329.00>285.10 (-) 8.20e4



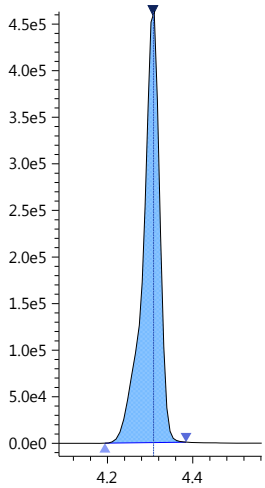
HFPO_DA-13C_IS
Conc 5.0000
RT 4.306 Area 1261848

ISTD 332.00>286.80 (-) 4.63e5



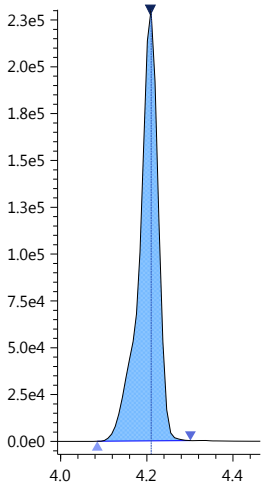
HFPO_DA-13C
Conc 5.0507
RT 4.306 Area 1261848

Q 332.00>286.80 (-) 4.63e5



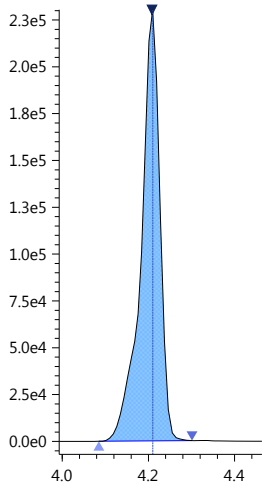
4_2-FTS-13C_IS
Conc 5.0000
RT 4.208 Area 698056

ISTD 328.80>309.05 (-) 2.30e5



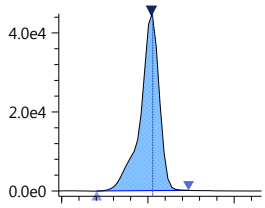
4_2-FTS-13C
Conc 4.5134
RT 4.208 Area 698056

Q 328.80>309.05 (-) 2.30e5

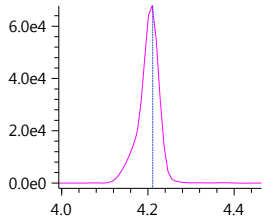


4_2-FTS_1
Conc 0.8595
RT 4.208 Area 135102
R#1 151.26 (0.00)

Q 327.00>307.05 (-) 4.49e4

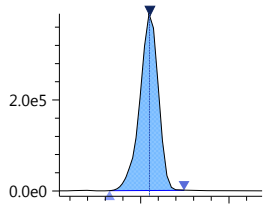


R1 327.00>81.10 (-) 6.78e4

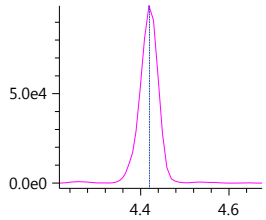


PFHpA
Conc 0.9903
RT 4.421 Area 1138286
R#1 25.46 (0.00)

Q 362.90>319.00 (-) 3.90e5

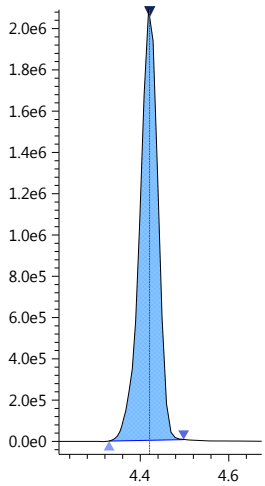


R1 362.90>169.00 (-) 9.92e4



PFHpA-13C_IS
Conc 5.0000
RT 4.421 Area 6022688

ISTD 366.90>322.10 (-) 2.09e6



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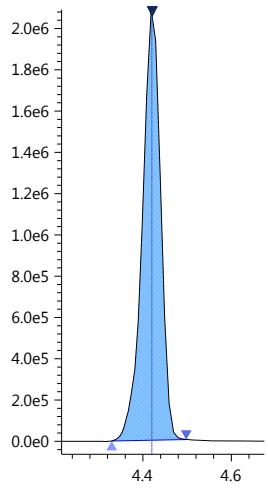
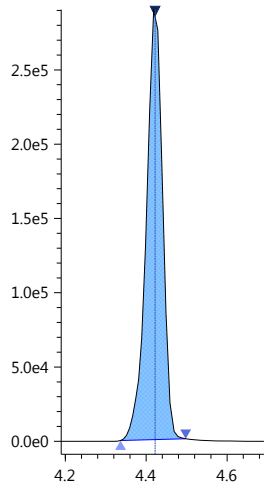
PFHpA-13C
Conc 4.9997
RT 4.421 Area 6022688

Q 366.90>322.10 (-) 2.09e6



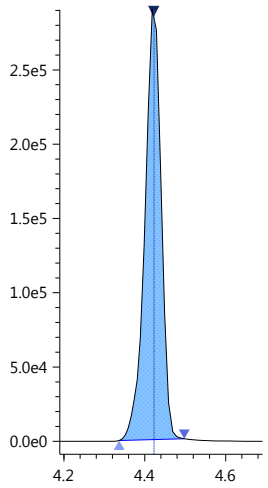
PFHxS-18O_IS
Conc 5.0000
RT 4.422 Area 814515

ISTD 402.70>84.05 (-) 2.91e5



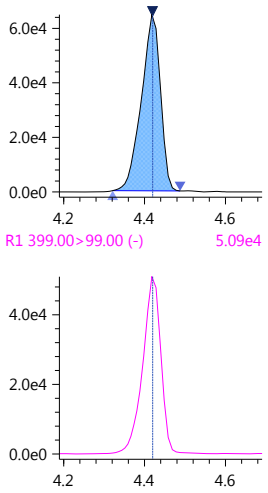
PFHxS-18O
Conc 4.7642
RT 4.422 Area 814515

Q 402.70>84.05 (-) 2.91e5



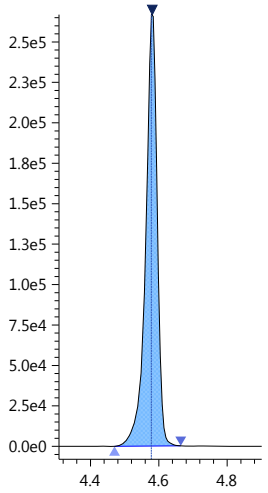
PFHxS_1
Conc 0.9678
RT 4.420 Area 211937
R#1 77.97 (0.00)

Q 399.00>80.00 (-) 6.50e4



6_2-FTS-13C
Conc 5.2016
RT 4.581 Area 626210

Q 428.90>409.00 (-) 2.67e5



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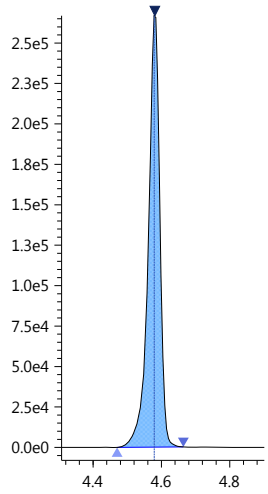
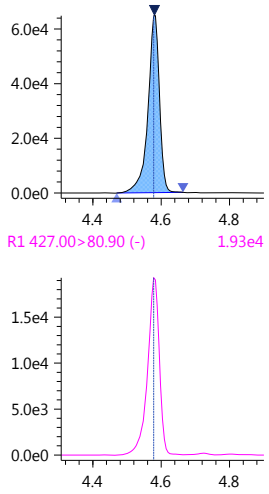
Conc 5.0000
RT 4.581 Area 626210

ISTD 428.90>409.00 (-) 2.67e5



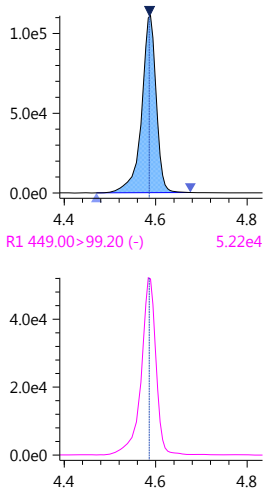
6_2-FTS_1
Conc 0.9776
RT 4.580 Area 151183
R#1 29.79 (0.00)

Q 427.00>407.00 (-) 6.49e4



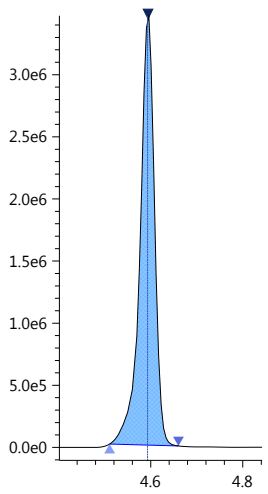
PFHpS_1
Conc 0.9274
RT 4.587 Area 245009
R#1 47.78 (0.00)

Q 449.00>80.15 (-) 1.11e5



PFOA-13C_IS
Conc 5.0000
RT 4.594 Area 7621436

ISTD 416.80>372.05 (-) 3.47e6



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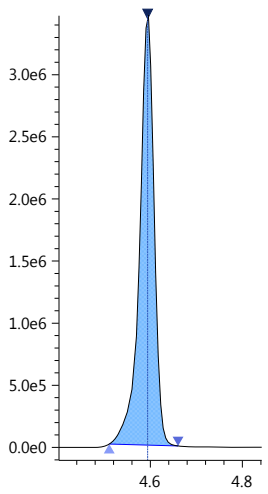
Conc 5.2134
RT 4.594 Area 7621436

Q 416.80>372.05 (-) 3.47e6



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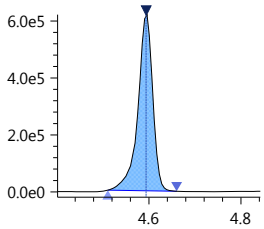
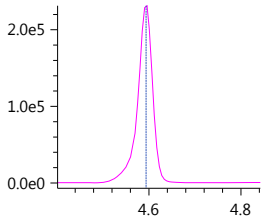
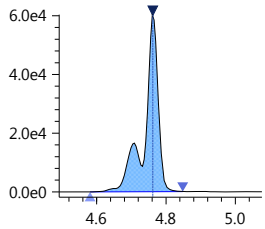
R#1 37.21 (0.00)
Q 413.00>369.00 (-) 6.22e5



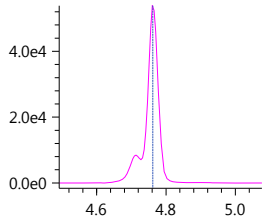
R1 413.00>169.10 (-) 2.31e5



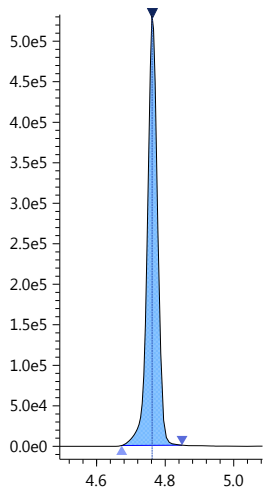
PFOS_1
Conc 0.8984
RT 4.762 Area 165161
R#1 89.10 (0.00)
Q 499.00>80.00 (-) 6.04e4



R1 499.00>99.00 (-) 5.39e4



PFOS-13C_IS
Conc 5.0000
RT 4.763 Area 1101468
ISTD 502.80>80.05 (-) 5.33e5



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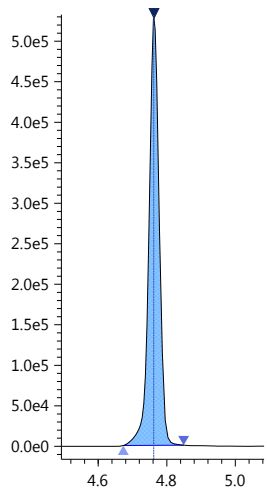
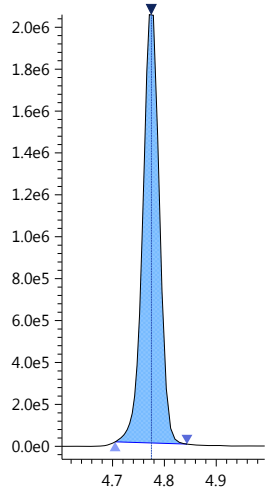
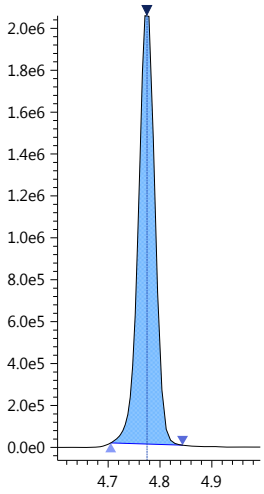
Conc 5.1327
RT 4.763 Area 1101468
Q 502.80>80.05 (-) 5.33e5



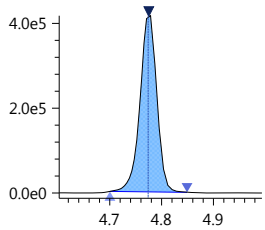
PFNA-13C_IS
Conc 5.0000
RT 4.775 Area 4651811
ISTD 467.80>423.00 (-) 2.06e6



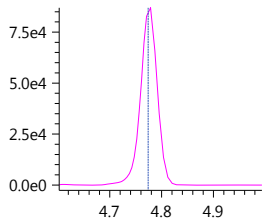
PFNA-13C
Conc 4.7384
RT 4.775 Area 4651811
Q 467.80>423.00 (-) 2.06e6



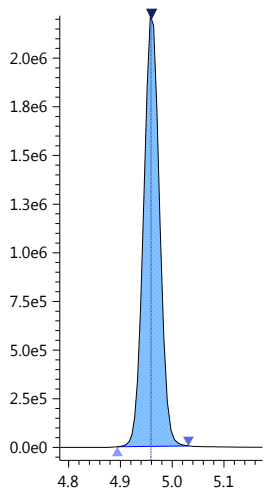
PFNA
Conc 1.1167
RT 4.775 Area 946084
R#1 20.91 (0.00)
Q 463.00>418.90 (-) 4.18e5



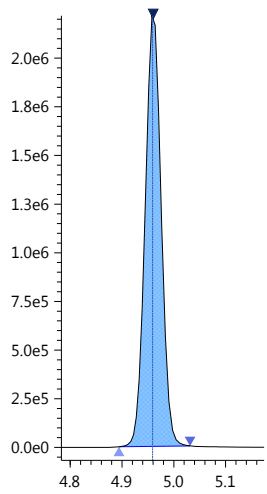
R1 463.00>219.00 (-) 8.69e4



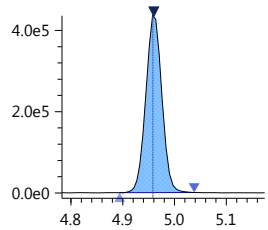
PFDA-13C_IS
Conc 5.0000
RT 4.960 Area 4769824
ISTD 514.80>469.95 (-) 2.22e6



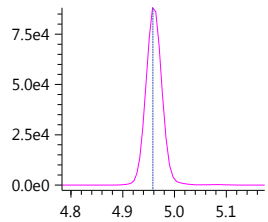
PFDA-13C
Conc 5.1881
RT 4.960 Area 4769824
Q 514.80>469.95 (-) 2.22e6



PFDA
Conc 0.9712
RT 4.960 Area 943085
R#1 20.14 (0.00)
Q 513.00>468.80 (-) 4.36e5



R1 513.00>219.10 (-) 8.81e4



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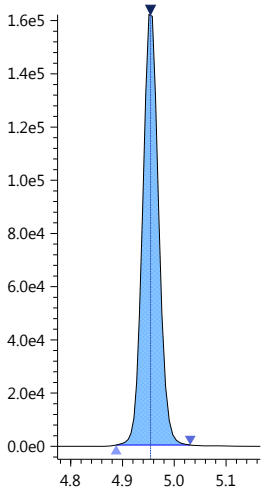
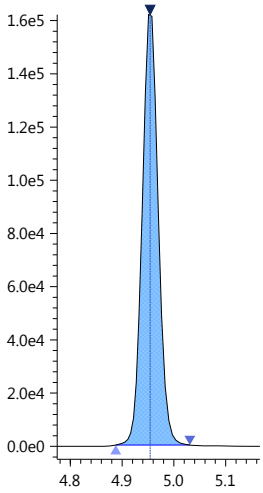
8_2-FTS-13C_IS
Conc 5.0000
RT 4.954 Area 351055

ISTD 528.80>509.00 (-) 1.62e5



8_2-FTS-13C
Conc 5.2488
RT 4.954 Area 351055

Q 528.80>509.00 (-) 1.62e5



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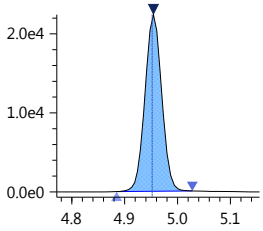
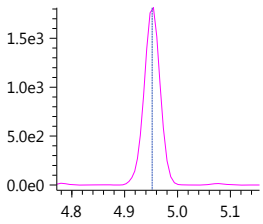
Conc 0.9208
RT 4.954 Area 49330
R#1 8.12 (0.00)

Q 527.10>506.90 (-) 2.24e4

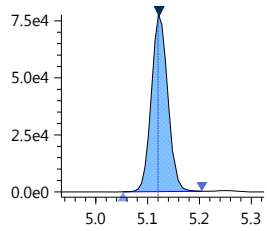


R1 527.20>487.00 (-) 1.81e3

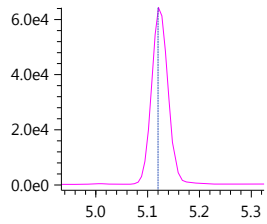


PFDS_1
Conc 0.8690
RT 5.122 Area 172057
R#1 82.25 (0.00)

Q 599.00>79.90 (-) 7.77e4

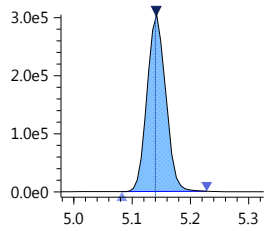


R1 599.00>99.10 (-) 6.43e4

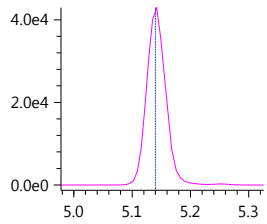


PFUnA
Conc 1.0043
RT 5.141 Area 676541
R#1 13.96 (0.00)

Q 563.00>518.90 (-) 3.05e5

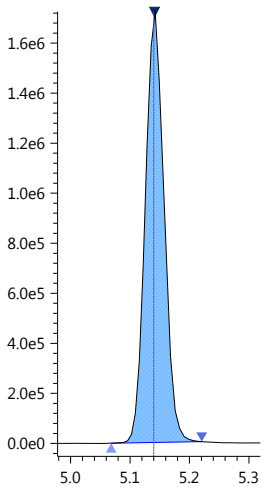


R1 563.00>219.00 (-) 4.29e4



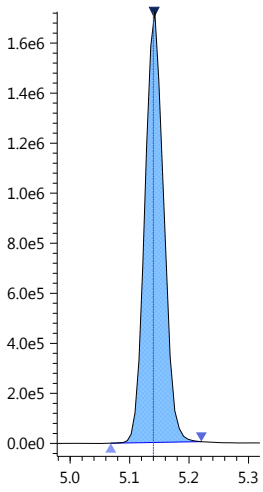
PFUnA-13C_IS
Conc 5.0000
RT 5.141 Area 3796725

ISTD 564.80>519.95 (-) 1.73e6



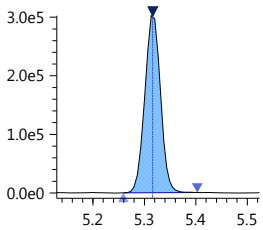
PFUnA-13C
Conc 5.0259
RT 5.141 Area 3796725

Q 564.80>519.95 (-) 1.73e6

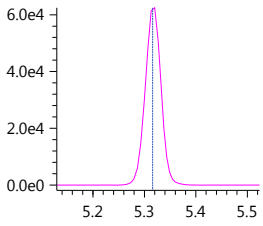


PFDoA
Conc 0.9835
RT 5.316 Area 647378
R#1 20.25 (0.00)

Q 613.05>569.00 (-) 3.03e5

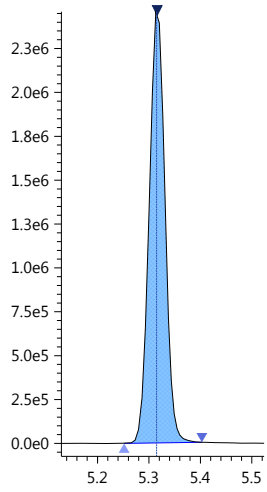


R1 613.05>169.00 (-) 6.25e4



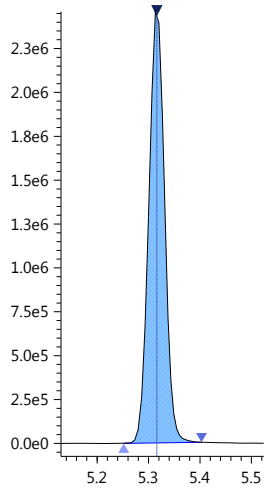
PFDoA-13C
Conc 4.9727
RT 5.316 Area 5283876

Q 614.80>569.95 (-) 2.46e6



PFDoA-13C_IS
Conc 5.0000
RT 5.316 Area 5283876

ISTD 614.80>569.95 (-) 2.46e6



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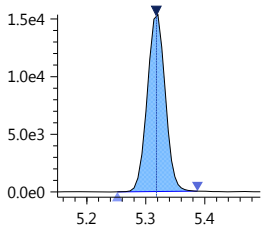
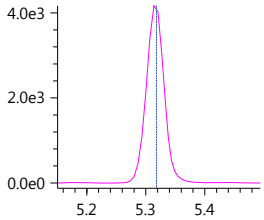
10_2-FtS_1
Conc 0.8745
RT 5.318 Area 32694
R#1 27.98 (0.00)
Q 627.00>606.95 (-) 1.54e4



R1 627.00>81.25 (-) 4.17e3



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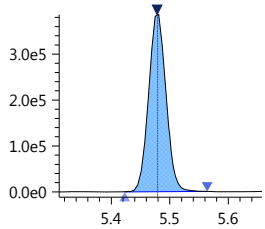
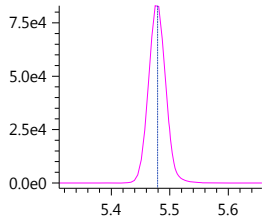
Conc 1.0345
RT 5.478 Area 800708
R#1 21.41 (0.00)
Q 663.00>618.90 (-) 3.86e5



R1 662.90>169.00 (-) 8.30e4



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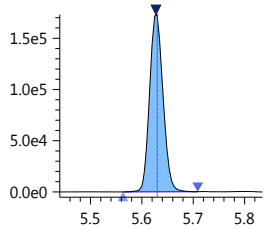
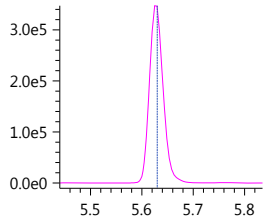
Conc 1.0159
RT 5.627 Area 314986
R#1 202.25 (0.00)
Q 713.40>669.00 (-) 1.73e5



R1 713.40>169.10 (-) 3.47e5



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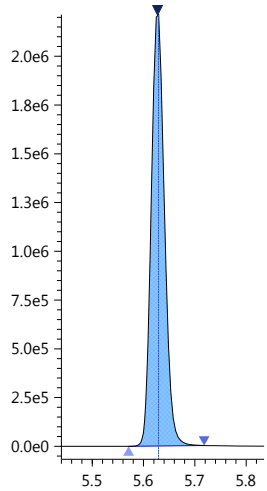
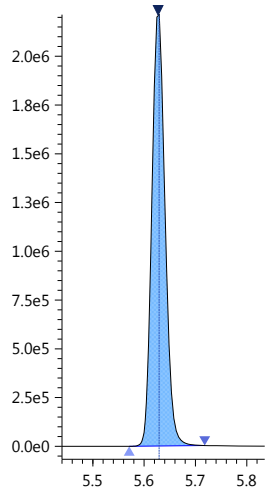
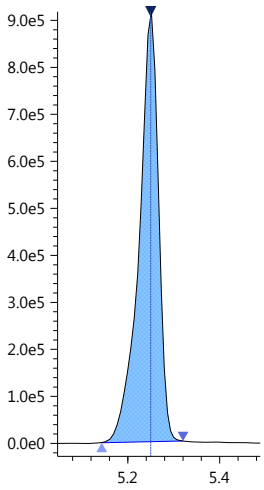
Conc 4.9273
RT 5.627 Area 3988098
Q 714.70>669.90 (-) 2.21e6



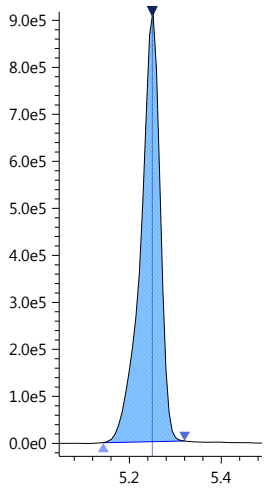
PFTeDA-13C_IS
Conc 5.0000
RT 5.627 Area 3988098
ISTD 714.70>669.90 (-) 2.21e6



FOSA-13C_IS
Conc 5.0000
RT 5.250 Area 2691443
ISTD 506.00>78.05 (-) 9.18e5



FOSA-13C
Conc 4.7785
RT 5.250 Area 2691443
Q 506.00>78.05 (-) 9.18e5



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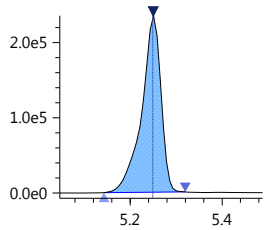
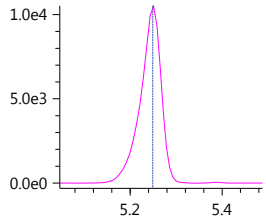
Conc 0.9893
RT 5.250 Area 681452
R#1 4.48 (0.00)
Q 498.20>78.00 (-) 2.36e5



R1 498.20>64.10 (-) 1.05e4



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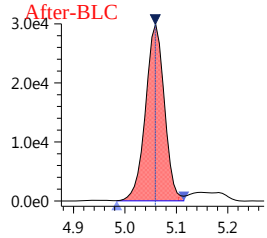
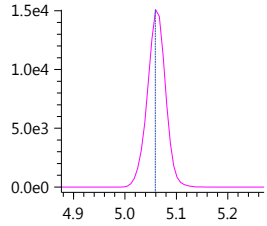
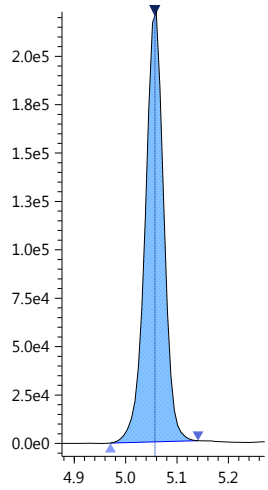
Conc 1.0238
RT 5.059 Area 76436
R#1 50.42 (0.00)
Q 570.20>419.00 (-) 3.00e4



R1 570.20>512.00 (-) 1.51e4



N-MeFOSAA-d3
Conc 4.9414
RT 5.057 Area 562536
Q 572.80>419.05 (-) 2.23e5



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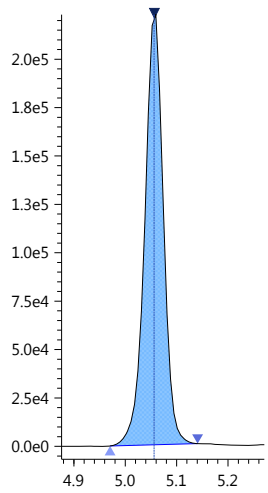
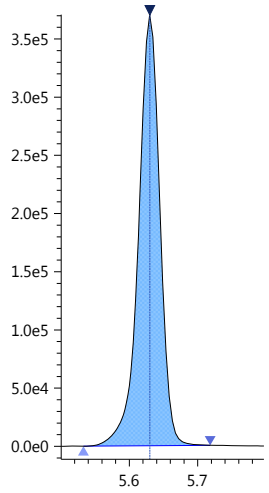
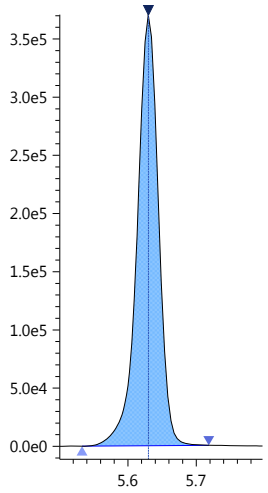
N-MeFOSAA-d3_IS
Conc 5.0000
RT 5.057 Area 562536
ISTD 572.80>419.05 (-) 2.23e5



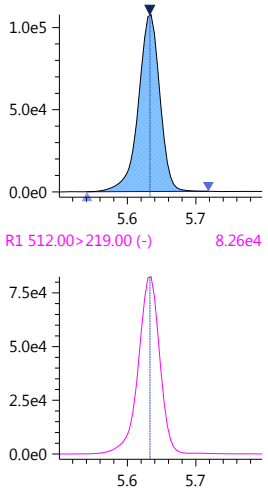
N-MeFOSA-d3_IS
Conc 5.0000
RT 5.630 Area 803131
ISTD 514.90>168.90 (-) 3.71e5



N-MeFOSA-d3
Conc 4.7165
RT 5.630 Area 803131
Q 514.90>168.90 (-) 3.71e5

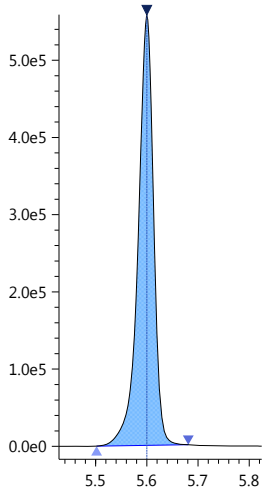


N-MeFOSA
Conc 0.8567
RT 5.633 Area 234543
R#1 76.99 (0.00)
Q 512.00>169.10 (-) 1.08e5



R1 512.00>219.00 (-) 8.26e4

N-MeFOSE-d7
Conc 4.7565
RT 5.600 Area 1166084
Q 622.70>59.10 (-) 5.59e5



N-MeFOSE-d7_IS
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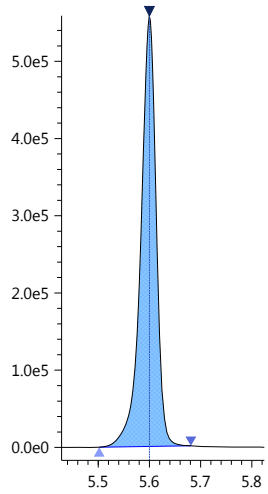
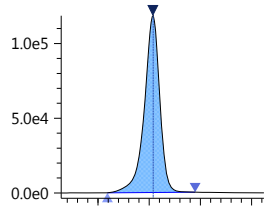
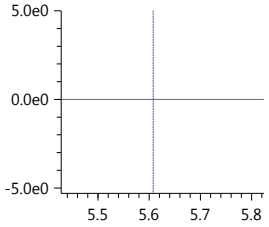
ISTD 622.70>59.10 (-) 5.59e5



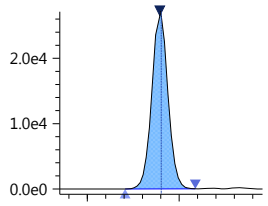
N-MeFOSE
Conc 0.8890
RT 5.607 Area 247821
R#1 0.00 (0.00)
Q 616.00>59.00 (-) 1.19e5



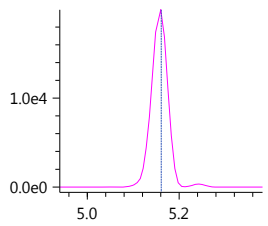
R1 556.00>121.20 (-) 0.00e0



N-EtFOSAA
Conc 1.0688
RT 5.158 Area 66076
R#1 72.68 (0.00)
Q 584.20>418.95 (-) 2.71e4



R1 584.20>526.10 (-) 1.99e4



N-EtFOSAA-d5_IS
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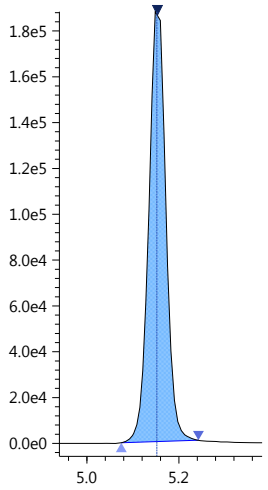
RT 5.154 Area 489629
ISTD 588.80>419.00 (-) 1.88e5



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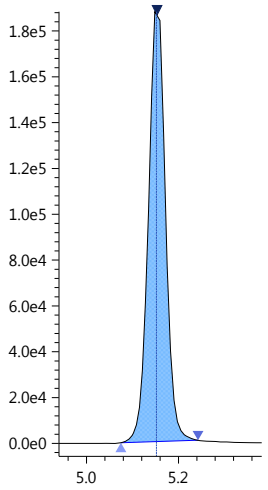
Conc 4.8839
RT 5.154 Area 489629
Q 588.80>419.00 (-) 1.88e5



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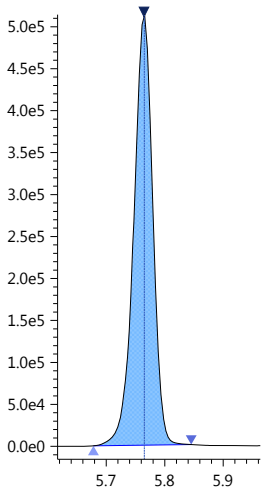
N-EtFOSA-d9_IS

Conc 5.0000
RT 5.764 Area 1162594

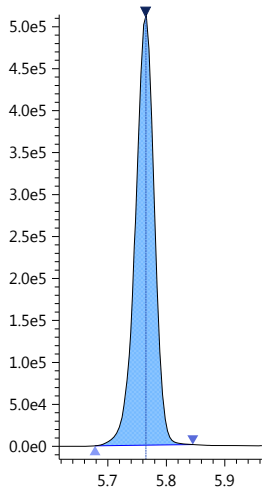
ISTD 530.90>169.15 (-) 5.14e5



N-EtFOSA-d9

Conc 4.6036
RT 5.764 Area 1162594

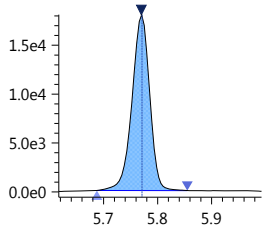
Q 530.90>169.15 (-) 5.14e5



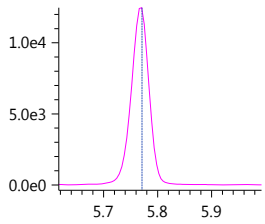
N-EtFOSA

Conc 0.8703
RT 5.770 Area 40788
R#1 68.98 (0.00)

Q 526.90>169.10 (-) 1.81e4



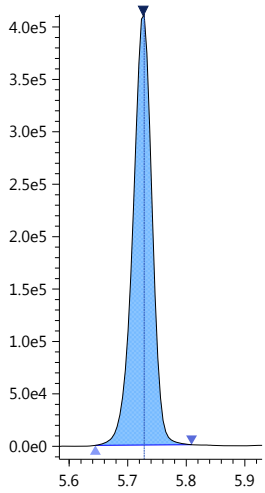
R1 526.90>219.00 (-) 1.25e4



N-EtFOSE-d9_IS

Conc 5.0000
RT 5.726 Area 940676

ISTD 638.70>59.10 (-) 4.12e5



N-EtFOSE-d9

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RT 5.726 Area 940676

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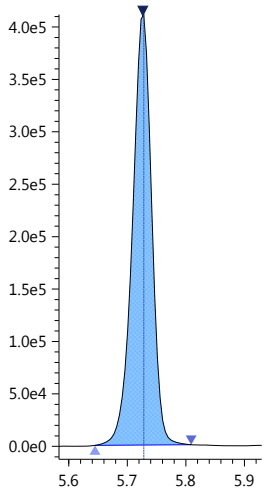
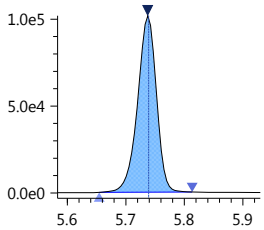


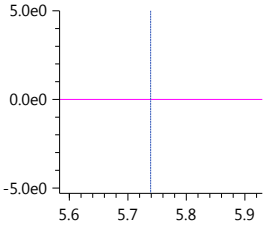
N-EtFOSE

Conc 0.9232
RT 5.737 Area 227019
R#1 0.00 (0.00)

Q 630.00>58.90 (-) 1.02e5



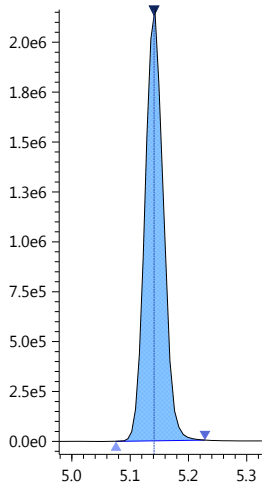
R1 570.00>136.10 (-) 0.00e0



13C7-PFUnDA_IS

Conc 5.0000
RT 5.141 Area 4762337

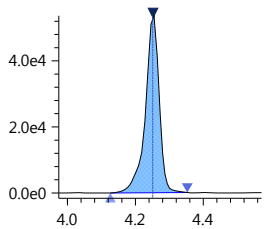
ISTD 570.00>525.00 (-) 2.16e6



PFPeS

Conc 0.8617
RT 4.252 Area 152062
R#1 146.52 (0.00)

Q 349.00>99.00 (-) 5.37e4



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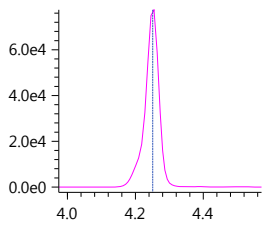

PFNS

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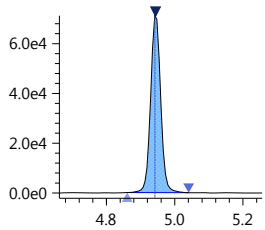

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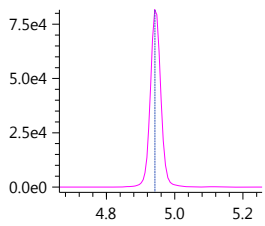

Insight Report

Printed at 6/19/2019 8:39:19 AM

190618_036

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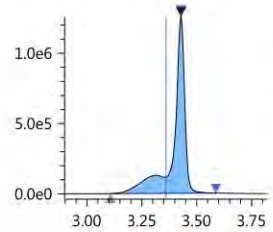
Date acquired: 6/18/2019 4:57:16 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190618_b1\190618_036.lcd
Vial: 35 | Inj. Volume: 15.0000uL | Tray: 1

PFBA-13C_IS
Conc 5.0000
RT 3.428 Area 4391226
ISTD 216.90>172.15 (-) 1.26e6



PFBA-13C
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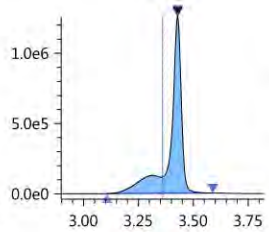
Q 216.90>172.15 (-) 1.26e6



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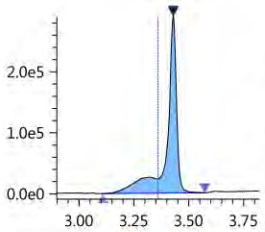
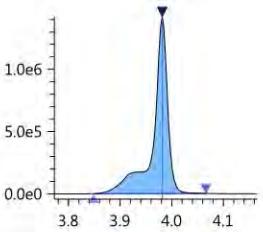
Conc 1.0047
RT 3.429 Area 900925
Q 213.00>169.10 (-) 2.90e5



PFPeA-13C_IS
Conc 5.0000
RT 3.981 Area 2731547
ISTD 267.90>223.00 (-) 1.42e6



PFPeA-13C
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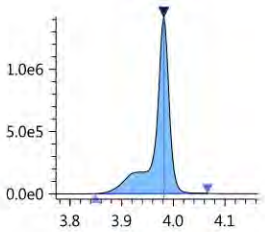

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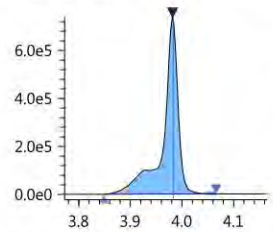
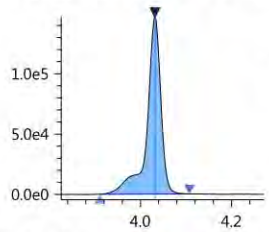
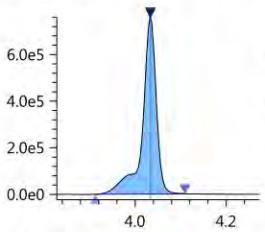
Conc 0.7014
RT 3.982 Area 1457375
Q 263.05>219.10 (-) 7.39e5



PFBS_1
Conc 0.8280
RT 4.032 Area 311111
Q 299.00>80.00 (-) 1.47e5



PFBS-13C
Conc 4.8268
RT 4.033 Area 1604726
Q 301.80>80.00 (-) 7.60e5



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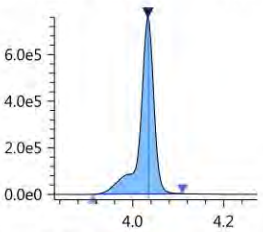

PFHxA-13C_IS
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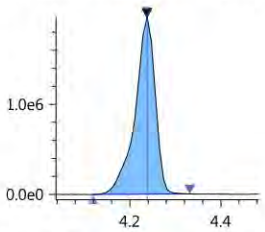

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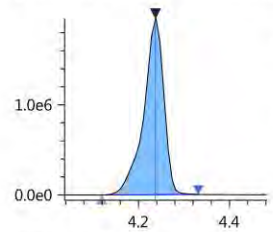

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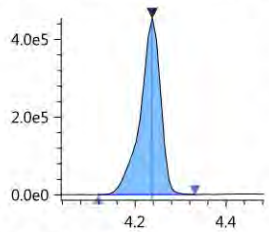
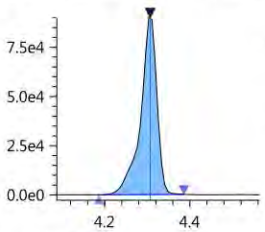
Conc 0.9143
RT 4.238 Area 1398799
Q 313.00>269.00 (-) 4.56e5



HPFO_DA
Conc 0.8727
RT 4.307 Area 239257
Q 329.00>169.00 (-) 9.00e4



HFPO_DA-13C_IS
Conc 5.0000
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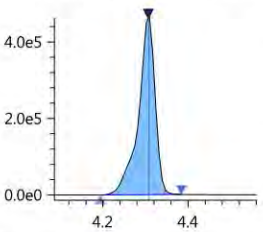
ISTD 332.00>286.80 (-) 4.63e5



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Conc 5.0507
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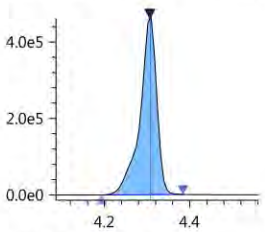
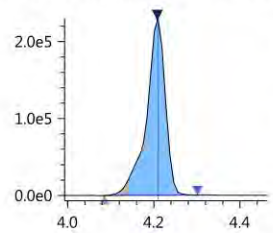
Q 332.00>286.80 (-) 4.63e5



4_2-FTS-13C_IS
Conc 5.0000
RT 4.208 Area 698056
ISTD 328.80>309.05 (-) 2.30e5



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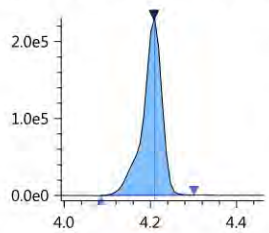
Q 328.80>309.05 (-) 2.30e5



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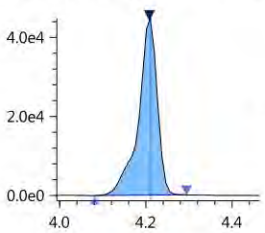
RT 4.208 Area 135102
Q 327.00>307.05 (-) 4.49e4



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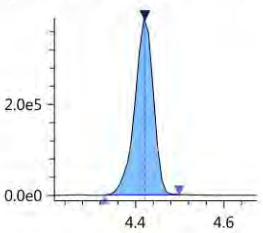
Q 362.90>319.00 (-) 3.90e5



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Conc 5.0000
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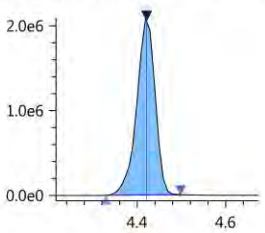
ISTD 366.90>322.10 (-) 2.09e6



Insight Report

Printed at 6/19/2019 8:39:19 AM

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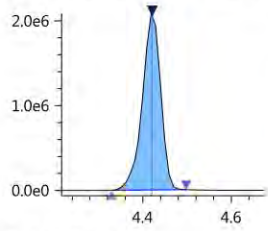
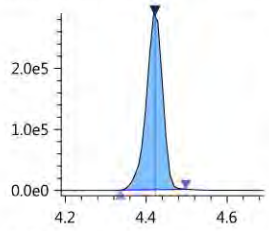
Q 366.90>322.10 (-) 2.09e6



PFHxS-18O_IS
Conc 5.0000
RT 4.422 Area 814515
ISTD 402.70>84.05 (-) 2.91e5



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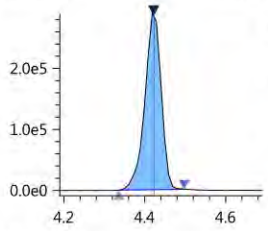

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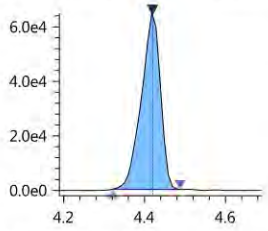
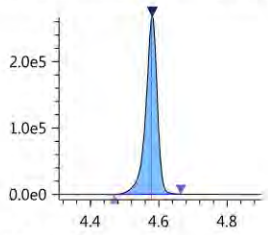
Conc 0.8813
RT 4.420 Area 211937
Q 399.00>80.00 (-) 6.50e4



6_2-FTS-13C
Conc 5.2016
RT 4.581 Area 626210
Q 428.90>409.00 (-) 2.67e5



6_2-FTS-13C_IS
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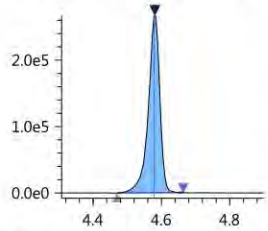
ISTD 428.90>409.00 (-) 2.67e5



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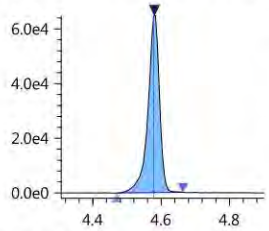
RT 4.580 Area 151183
Q 427.00>407.00 (-) 6.49e4



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Conc 0.9274
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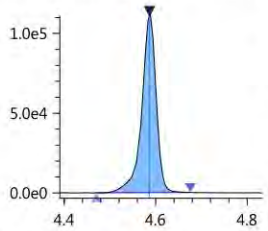
Q 449.00>80.15 (-) 1.11e5



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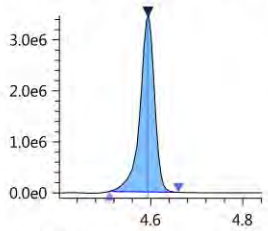

PFOA-13C
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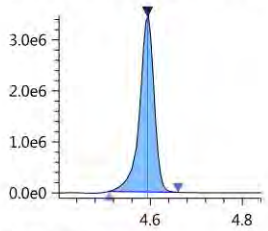

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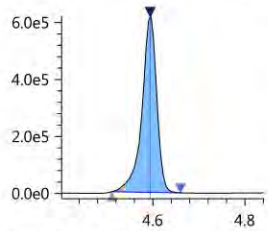
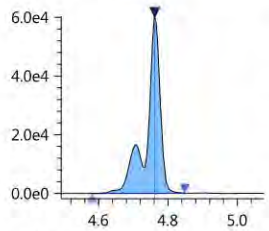
Q 413.00>369.00 (-) 6.22e5



PFOS_1
Conc 0.8984
RT 4.762 Area 165161
Q 499.00>80.00 (-) 6.04e4



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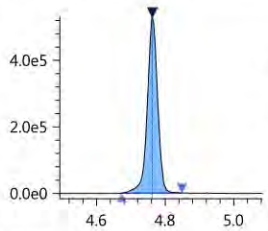

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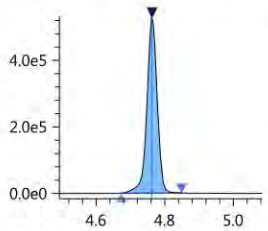
Q 502.80>80.05 (-) 5.33e5



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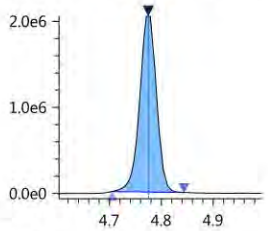
ISTD 467.80>423.00 (-) 2.06e6



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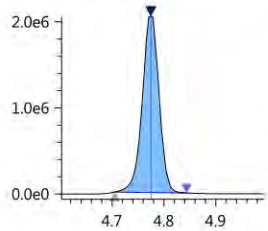

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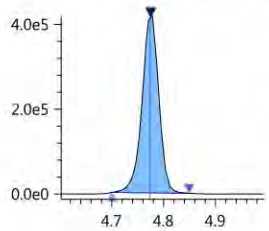

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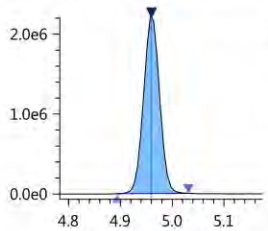

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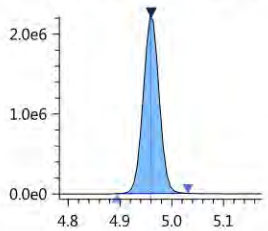

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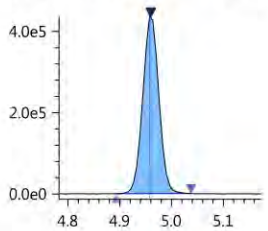

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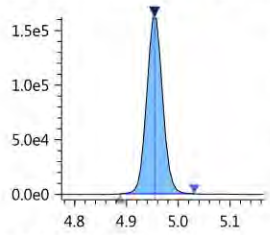
ISTD 528.80>509.00 (-) 1.62e5



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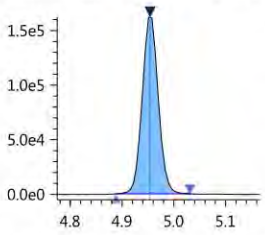

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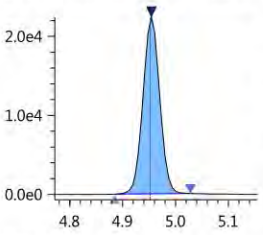

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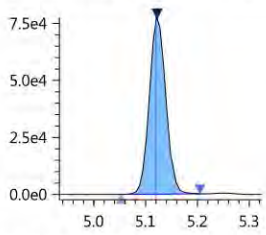

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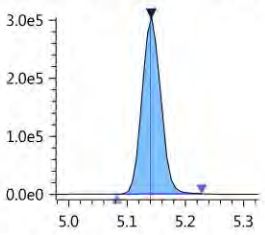

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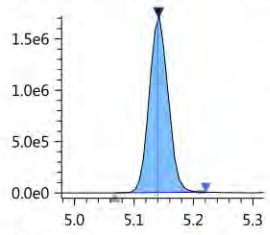

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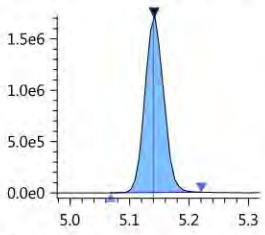

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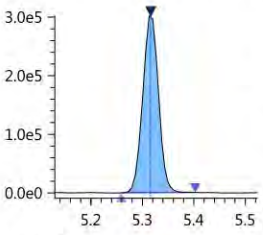

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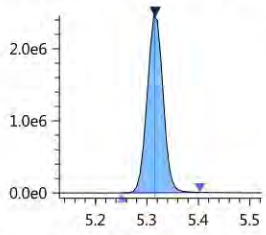

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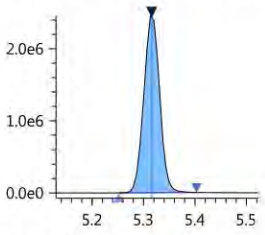

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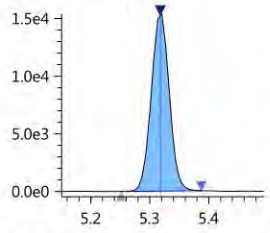

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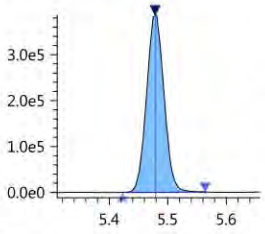

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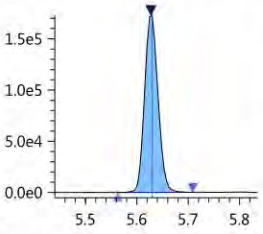

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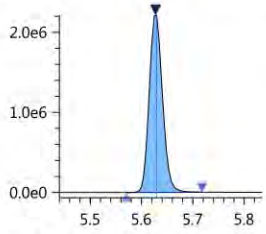
Q 714.70>669.90 (-) 2.21e6



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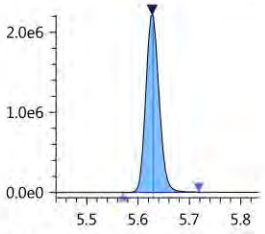

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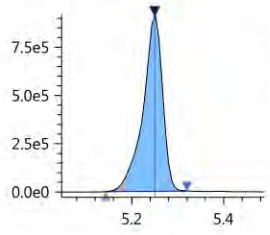

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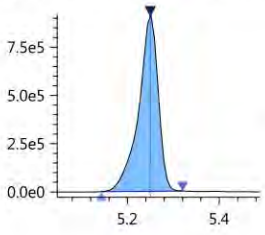

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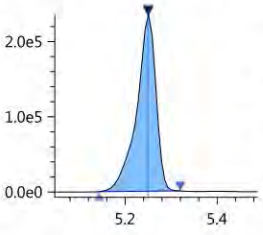
Q 498.20>78.00 (-) 2.36e5



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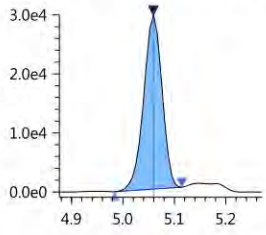

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Conc 4.9414
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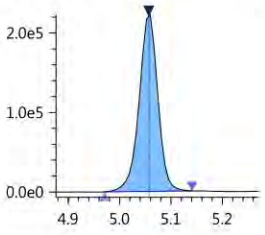
Q 572.80>419.05 (-) 2.23e5



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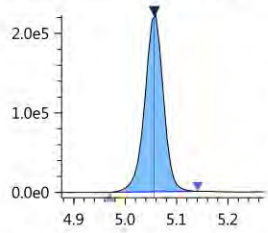

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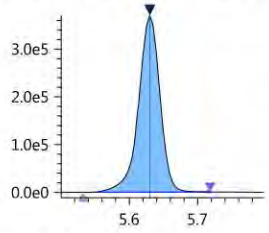
RT 5.630 Area 803131
ISTD 514.90>168.90 (-) 3.71e5



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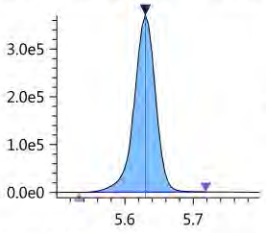

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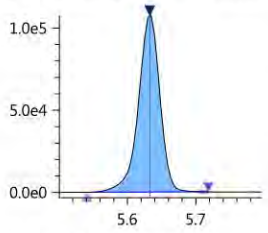
Q 512.00>169.10 (-) 1.08e5



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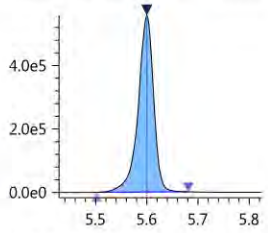
Q 622.70>59.10 (-) 5.59e5



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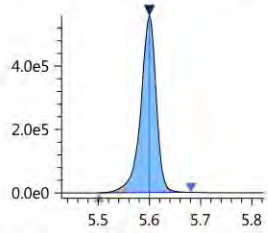

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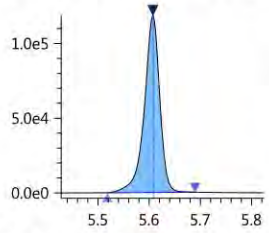

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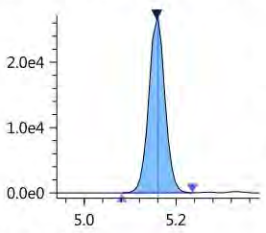

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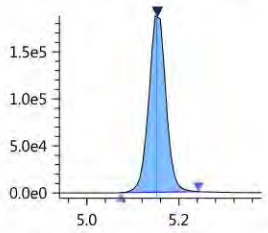

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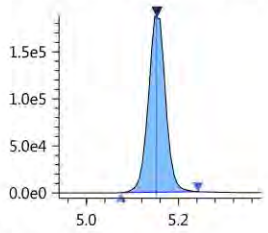

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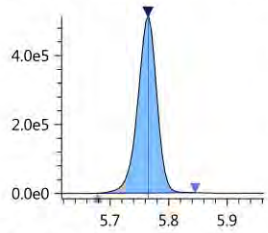

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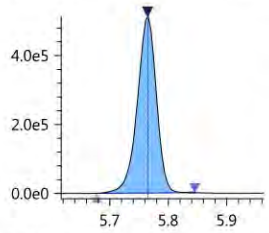

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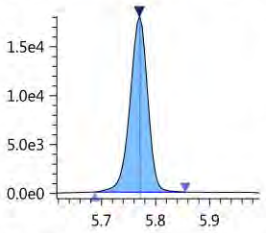
Q 526.90>169.10 (-) 1.81e4



N-EtFOSE-d9_IS
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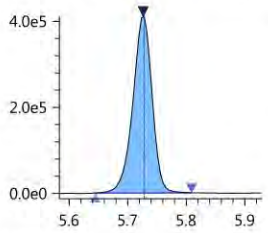

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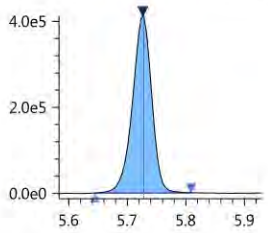
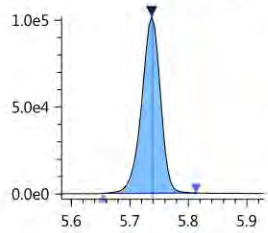
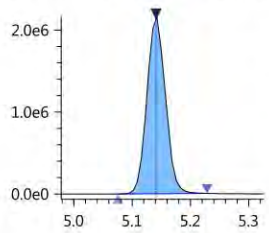


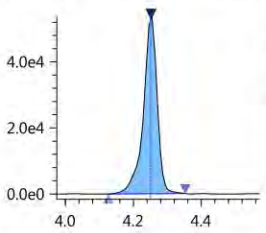
N-EtFOSE
Conc 0.9232
RT 5.737 Area 227019
Q 630.00>58.90 (-) 1.02e5



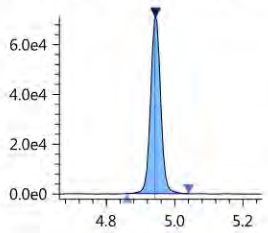
13C7-PFUnDA_IS
Conc 5.0000
RT 5.141 Area 4762337
ISTD 570.00>525.00 (-) 2.16e6



PFPeS
Conc 0.8617
RT 4.252 Area 152062
Q 349.00>99.00 (-) 5.37e4



PFNS
Conc 0.8916
RT 4.944 Area 145774
Q 549.00>99.00 (-) 7.12e4



1st CM 06/19/19
2nd 06/20/19

Validation Report

Data File: J:\LCMS06\Data\190618_b1\190618_037
Lab ID: KQ1908506-02
RunType: CCB
Matrix: Solid

Date Acquired: 6/18/19 17:07
Batch ID: 639801
Analysis Method: PFC/537M/PFOA

Validations

Validation Categories	Pass	Fail
ICAL Analyte Recovery	X	
Second Source ICAL Verification	X	
Continuing Calibration Recovery	X	
Internal Standards	X	
Surrogates	X	
Above Highest ICAL Level	X	

Primary Review: _____

Secondary Review: _____

1st CM 06/19/19
2nd 06/20/19

Quantitation Report

Data File:	J:\LCMS06\Data\190618_b1\190618_037	**Instrument:**	K-LCMS-06
Acqu Date:	6/18/19 17:07	**Vial:**	2
Run Type:	CCB	**Dilution:**	1
Lab ID:	KQ1908506-02	**Raw Units:**	ng/mL

Bottle ID:		**Tier:**	III	**Matrix:**	Solid
Prod Code:	PFOA	**Collect Date:**	5/2/19	**Receive Date:**	5/3/19

Analysis Lot:	639801	**Prep Lot:**		**Report Group:**	KQ1908506
Analysis	PFC/537M	**Prep Method:**			
		Prep Date:			

Title:	Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS	**Calibration ID:**	KC1900234
		Report List ID:	20091

Internal Standard Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	Area Criteria
13C7-PFUnDA	5.144	+0.00	4184462	5.0000	OK

Surrogate Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	% Rec	% Rec Criteria	Rpt?
13C3-PFBS	4.039	+0.01	1567874	5.3673	107	33 - 109	Y
18O2-PFHxS	4.426	+0.00	726984	4.8395	97	36 - 120	Y
13C4-PFOS	4.768	+0.00	974300	5.1671	103	32 - 130	Y
13C4-PFBA	3.432	+0.00	4272783	5.3490	107	34 - 116	Y
13C5-PFPeA	3.986	+0.01	2586095	5.3426	107	39 - 133	Y
13C2-PFHxA	4.242	+0.01	6687135	6.1284	123	32 - 136	Y
13C4-PFHpA	4.425	+0.00	5543289	5.2372	105	36 - 133	Y
13C4-PFOA	4.600	+0.01	7377703	5.7437	115	31 - 134	Y
13C5-PFNA	4.779	+0.00	4630693	5.3683	107	27 - 133	Y
13C2-PFDA	4.964	+0.00	4476124	5.5410	111	30 - 137	Y
13C2-PFUnDA	5.145	+0.00	3680143	5.5443	111	32 - 146	Y
13C2-PFDoDA	5.321	+0.01	5137674	5.5028	110	36 - 136	Y
13C2-PFTeDA	5.633	+0.01	4272044	6.0070	120	39 - 138	Y
13C8-FOSA	5.254	+0.00	2848549	5.7559	115	40 - 132	Y
D3-MeFOSA	5.636	+0.01	765435	5.1159	102	51 - 132	Y
D5-EtFOSA	5.772	+0.01	1088502	4.9055	98	49 - 123	Y
D7-MeFOSE	5.606	+0.01	1125108	5.2231	104	53 - 125	Y
D9-EtFOSE	5.733	+0.01	936343	5.3076	106	45 - 121	Y
D3-MeFOSAA	5.062	+0.01	561380	5.6123	112	20 - 154	Y
D5-EtFOSAA	5.157	+0.00	474729	5.3893	108	29 - 153	Y
13C2-4:2 FTS	4.214	+0.01	809062	5.9536	119	18 - 127	Y
13C2-6:2 FTS	4.586	+0.01	594973	5.6247	112	30 - 140	Y
13C2-8:2 FTS	4.959	+0.01	311649	5.3031	106	9 - 171	Y
13C3-HFPO-DA	4.312	+0.01	1352276	6.1602	123	33 - 130	Y

1st CM 06/19/19
2nd 06/20/19

Data File:	J:\LCMS06\Data\190618_b1\190618_037	**Instrument:**	K-LCMS-06
Acqu Date:	6/18/19 17:07	**Vial:**	2
Run Type:	CCB	**Dilution:**	1
Lab ID:	KQ1908506-02	**Raw Units:**	ng/mL

Target Compounds

Final Conc.Units: ng/g

Parameter Name	RT	RT Dev	Response	Solution Conc	Final Conc	Q	Rpt?
Perfluorobutane sulfonic acid (PFBS)	4.025	-0.01	565	0.0015	0.012	U	Y
Perfluoropentane sulfonic acid (PFPeS)	4.246	-0.01	451	0.0026	0.021	U	Y
Perfluorohexane sulfonic acid (PFHxS)	4.429	+0.01	3152	-0.0368	0	U	Y
Perfluoroheptane sulfonic acid (PFHpS)	4.592	+0.01	196	0.0008	0.0064	U	Y
Perfluorooctane sulfonic acid (PFOS)	4.766	+0.00	613	0.0038	0.030	U	Y
Perfluorononane sulfonic acid (PFNS)	4.983	+0.04	391	0.0027	0.022	U	Y
Perfluorodecane sulfonic acid (PFDS)	0		0	0	0	U	Y
Perfluorobutanoic acid (PFBA)	0		0	0	0	U	Y
Perfluoropentanoic acid (PFPeA)	3.987	+0.00	154577	0.0028	0.022	U	Y
Perfluorohexanoic acid (PFHxA)	4.236	0.00	42597	0.0010	0.0080	U	Y
Perfluoroheptanoic acid (PFHpA)	4.410	-0.01	18135	0.0011	0.0088	U	Y
Perfluorooctanoic acid (PFOA)	4.595	+0.00	25425	-0.0002	0	U	Y
Perfluorononanoic acid (PFNA)	4.772	0.00	13805	-0.0051	0	U	Y
Perfluorodecanoic acid (PFDA)	4.958	0.00	9936	0.0109	0.087	U	Y
Perfluoroundecanoic acid (PFUnDA)	5.143	+0.00	16233	-0.0074	0	U	Y
Perfluorododecanoic acid (PFDoDA)	5.312	0.00	7780	-0.0023	0	U	Y
Perfluorotridecanoic acid (PFTrDA)	5.485	+0.01	5520	-0.0017	0	U	Y
Perfluorotetradecanoic acid (PFTeDA)	5.633	+0.01	40037	-0.0096	0	U	Y
Perfluorooctane sulfonamide (FOSA)	5.257	+0.01	4579	0.0063	0.050	U	Y
N-Methyl perfluorooctane sulfonamide (MeFOSA)	5.638	+0.01	2034	0.0078	0.062	U	Y
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	0		0	0	0	U	Y
N-Methyl perfluorooctane sulfonamidoethanol	0		0	0	0	U	Y
N-Ethyl perfluorooctane sulfonamidoethanol	5.749	+0.01	690	0.0028	0.022	U	Y
N-Methyl perfluorooctane sulfonamidoacetic acid	5.049	-0.01	619	0.0083	0.066	U	Y
N-Ethyl perfluorooctane sulfonamidoacetic acid	5.163	+0.01	235	0.0039	0.031	U	Y
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	4.248	+0.04	1181	0.0065	0.052	U	Y
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	4.585	+0.01	4078	0.0278	0.22	J	Y
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	4.956	+0.00	86	0.0018	0.014	U	Y
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	5.322	+0.00	56	0.0017	0.014	U	Y
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	4.315	+0.01	1449	0.0049	0.039	U	Y

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Insight Report

Printed at 6/19/2019 1:07:21 PM

190618_037

Sample ID: IB
Date acquired: 6/18/2019 5:07:45 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190618_b1\190618_037.lcd
Vial: 25 | Inj. Volume: 15.0000uL | Tray: 1

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
PFBA-13C_IS	Auto	3.432	4272783	4272783	2	5.0000	ng/mL	----
PFBA-13C	Auto	3.432	4272783	4184462	26	5.3490	ng/mL	----
PFBA	ND(W/B)	----	----	4272783	2	----	ng/mL	----
PFPeA-13C_IS	Auto	3.986	2586095	2586095	4	5.0000	ng/mL	----
PFPeA-13C	Auto	3.986	2586095	4184462	26	5.3426	ng/mL	----
PFPeA	Auto	3.987	154577	2586095	4	0.0028	ng/mL	----
PFBS_1	M	4.025	565	1567874	16	0.0015	ng/mL	----
PFBS-13C	Auto	4.039	1567874	4184462	26	5.3673	ng/mL	----
PFBS-13C_IS	Auto	4.039	1567874	1567874	16	5.0000	ng/mL	----
PFHxA-13C_IS	Auto	4.242	6687135	6687135	6	5.0000	ng/mL	----
PFHxA-13C	Auto	4.242	6687135	4184462	26	6.1284	ng/mL	----
PFHxA	M	4.236	42597	6687135	6	0.0010	ng/mL	----
HPFO_DA	M	4.315	1449	1352276	3	0.0049	ng/mL	----
HFPO_DA-13C_IS	Auto	4.312	1352276	1352276	3	5.0000	ng/mL	----
HFPO_DA-13C	Auto	4.312	1352276	4184462	26	6.1602	ng/mL	----
4_2-FTS-13C_IS	Auto	4.214	809062	809062	5	5.0000	ng/mL	----
4_2-FTS-13C	Auto	4.214	809062	4184462	26	5.9536	ng/mL	----
4_2-FTS_1	M	4.248	1181	809062	5	0.0065	ng/mL	----
PFHpA	M	4.410	18135	5543289	8	0.0011	ng/mL	----
PFHpA-13C_IS	Auto	4.425	5543289	5543289	8	5.0000	ng/mL	----
PFHpA-13C	Auto	4.425	5543289	4184462	26	5.2372	ng/mL	----
PFHxS-18O_IS	Auto	4.426	726984	726984	7	5.0000	ng/mL	----
PFHxS-18O	Auto	4.426	726984	4184462	26	4.8395	ng/mL	----
PFHxS_1	M	4.429	3152	726984	7	-0.0368	ng/mL	----
6_2-FTS-13C	Auto	4.586	594973	4184462	26	5.6247	ng/mL	----
6_2-FTS-13C_IS	Auto	4.586	594973	594973	10	5.0000	ng/mL	----
6_2-FTS_1	Auto	4.585	4078	594973	10	0.0278	ng/mL	----
PFHpS_1	M	4.592	196	726984	7	0.0008	ng/mL	----
PFOA-13C_IS	Auto	4.600	7377703	7377703	9	5.0000	ng/mL	----
PFOA-13C	Auto	4.600	7377703	4184462	26	5.7437	ng/mL	----
PFOA	Auto	4.595	25425	7377703	9	-0.0002	ng/mL	----
PFOS_1	Auto	4.766	613	974300	13	0.0038	ng/mL	----
PFOS-13C_IS	Auto	4.768	974300	974300	13	5.0000	ng/mL	----
PFOS-13C	Auto	4.768	974300	4184462	26	5.1671	ng/mL	----
PFNA-13C_IS	Auto	4.779	4630693	4630693	11	5.0000	ng/mL	----
PFNA-13C	Auto	4.779	4630693	4184462	26	5.3683	ng/mL	----
PFNA	Auto	4.772	13805	4630693	11	-0.0051	ng/mL	----
PFDA-13C_IS	Auto	4.964	4476124	4476124	12	5.0000	ng/mL	----
PFDA-13C	Auto	4.964	4476124	4184462	26	5.5410	ng/mL	----
PFDA	M	4.958	9936	4476124	12	0.0109	ng/mL	----
8_2-FTS-13C_IS	Auto	4.959	311649	311649	15	5.0000	ng/mL	----
8_2-FTS-13C	Auto	4.959	311649	4184462	26	5.3031	ng/mL	----
8_2-FTS_1	Auto	4.956	86	311649	15	0.0018	ng/mL	----
PFDS_1	ND(W/B)	----	----	974300	13	----	ng/mL	----
PFUnA	Auto	5.143	16233	3680143	14	-0.0074	ng/mL	----
PFUnA-13C_IS	Auto	5.145	3680143	3680143	14	5.0000	ng/mL	----
PFUnA-13C	Auto	5.145	3680143	4184462	26	5.5443	ng/mL	----
PFDoA	Auto	5.312	7780	5137674	17	-0.0023	ng/mL	----
PFDoA-13C	Auto	5.321	5137674	4184462	26	5.5028	ng/mL	----
PFDoA-13C_IS	Auto	5.321	5137674	5137674	17	5.0000	ng/mL	----
10_2-FtS_1	M	5.322	56	311649	15	0.0017	ng/mL	----
PFTrDA	M	5.485	5520	4272044	22	-0.0017	ng/mL	----
PFTeDA	Auto	5.633	40037	4272044	22	-0.0096	ng/mL	----
PFTeDA-13C	Auto	5.633	4272044	4184462	26	6.0070	ng/mL	----
PFTeDA-13C_IS	Auto	5.633	4272044	4272044	22	5.0000	ng/mL	----
FOSA-13C_IS	Auto	5.254	2848549	2848549	18	5.0000	ng/mL	----
FOSA-13C	Auto	5.254	2848549	4184462	26	5.7559	ng/mL	----
FOSA	M	5.257	4579	2848549	18	0.0063	ng/mL	----
N-MeFOSAA	M	5.049	619	561380	19	0.0083	ng/mL	----
N-MeFOSAA-d3	Auto	5.062	561380	4184462	26	5.6123	ng/mL	----
N-MeFOSAA-d3_IS	Auto	5.062	561380	561380	19	5.0000	ng/mL	----
N-MeFOSA-d3_IS	Auto	5.636	765435	765435	1	5.0000	ng/mL	----
N-MeFOSA-d3	Auto	5.636	765435	4184462	26	5.1159	ng/mL	----
N-MeFOSA	M	5.638	2034	765435	1	0.0078	ng/mL	----
N-MeFOSE-d7	Auto	5.606	1125108	4184462	26	5.2231	ng/mL	----
N-MeFOSE-d7_IS	Auto	5.606	1125108	1125108	20	5.0000	ng/mL	----
N-MeFOSE	ND(W/B)	----	----	1125108	20	----	ng/mL	----
N-EtFOSAA	Auto	5.163	235	474729	21	0.0039	ng/mL	----

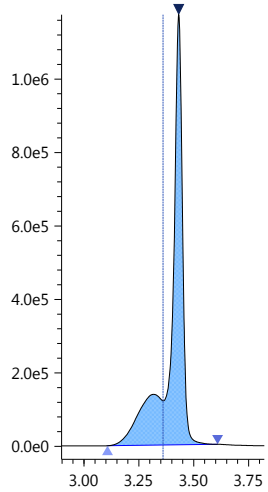
Insight Report

Printed at 6/19/2019 1:07:21 PM

(Table continued from previous page)

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
N-EtFOSAA-d5_IS	Auto	5.157	474729	474729	21	5.0000	ng/mL	----
N-EtFOSAA-d5	Auto	5.157	474729	4184462	26	5.3893	ng/mL	----
N-EtFOSA-d9_IS	Auto	5.772	1088502	1088502	23	5.0000	ng/mL	----
N-EtFOSA-d9	Auto	5.772	1088502	4184462	26	4.9055	ng/mL	----
N-EtFOSA	ND(W/B)	----	----	1088502	23	----	ng/mL	----
N-EtFOSE-d9_IS	Auto	5.733	936343	936343	24	5.0000	ng/mL	----
N-EtFOSE-d9	Auto	5.733	936343	4184462	26	5.3076	ng/mL	----
N-EtFOSE	M	5.749	690	936343	24	0.0028	ng/mL	----
13C7-PFUnDA_IS	Auto	5.144	4184462	4184462	26	5.0000	ng/mL	----
PFPeS	Auto	4.246	451	1567874	16	0.0026	ng/mL	----
PFNS	M	4.983	391	974300	13	0.0027	ng/mL	----

PFBA-13C_IS
Conc 5.0000
RT 3.432 Area 4272783
ISTD 216.90>172.15 (-) 1.18e6



PFBA-13C
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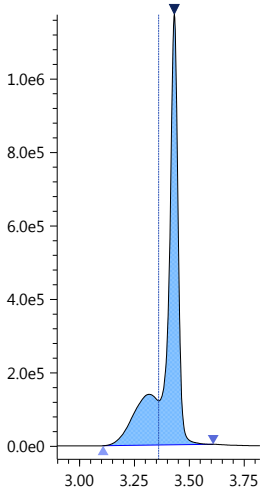
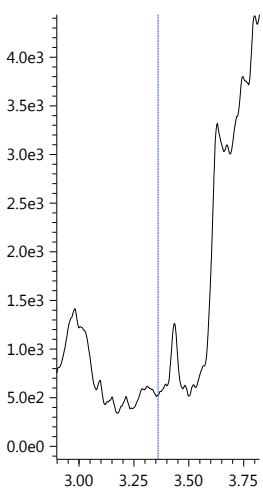
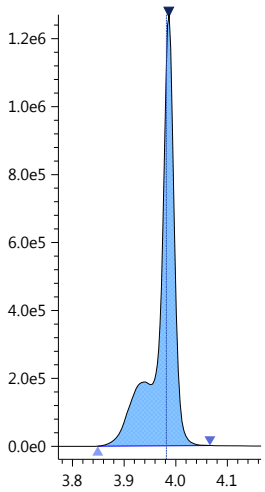
RT 3.432 Area 4272783
Q 216.90>172.15 (-) 1.18e6



PFBA
Conc ----
RT ---- Area ----
Q 213.00>169.10 (-) 4.44e3



PFPeA-13C_IS
Conc 5.0000
RT 3.986 Area 2586095
ISTD 267.90>223.00 (-) 1.27e6



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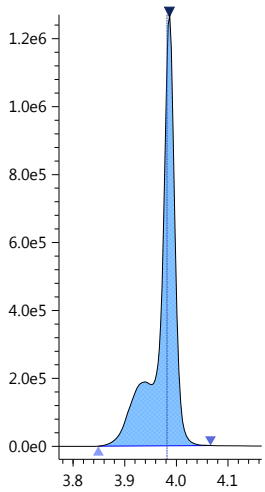
Q 267.90>223.00 (-) 1.27e6



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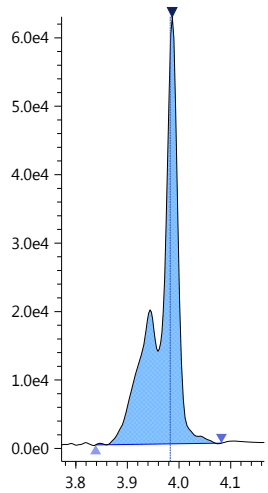
Conc 0.0028
RT 3.987 Area 154577
Q 263.05>219.10 (-) 6.31e4



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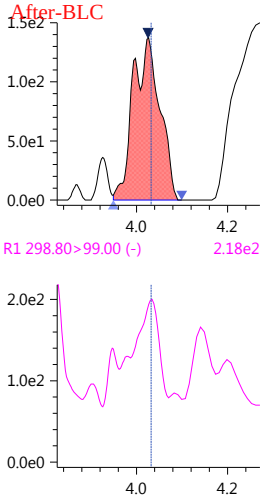
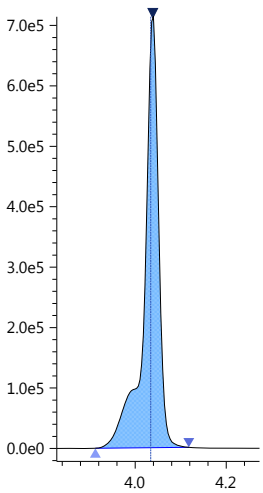
Conc 0.0015
RT 4.025 Area 565
R#1 41.72 (0.00)
Q 299.00>80.00 (-) 1.50e2

After-BLC



R1 298.80>99.00 (-) 2.18e2

PFBS-13C
Conc 5.3673
RT 4.039 Area 1567874
Q 301.80>80.00 (-) 7.14e5



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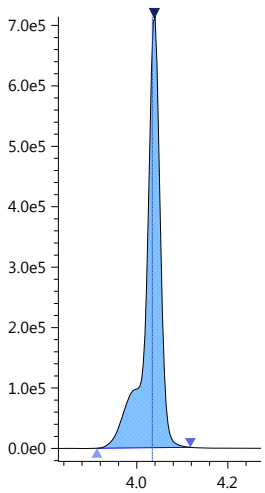
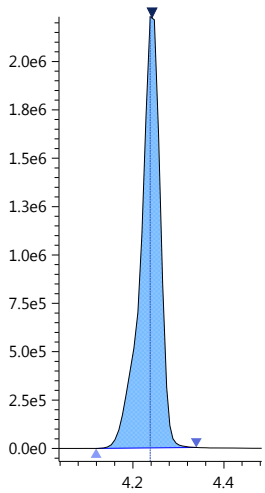
Conc 5.0000
RT 4.039 Area 1567874
ISTD 301.80>80.00 (-) 7.14e5



PFHxA-13C_IS
Conc 5.0000
RT 4.242 Area 6687135
ISTD 314.90>270.10 (-) 2.23e6



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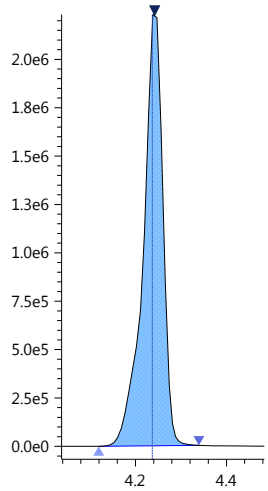
PFHxA-13C

Conc 6.1284
RT 4.242 Area 6687135

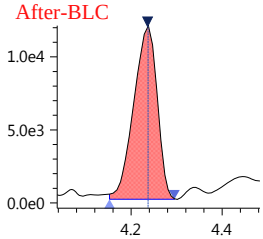
Q 314.90>270.10 (-) 2.23e6



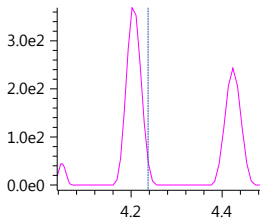
PFHxA

Conc 0.0010
RT 4.236 Area 42597
R#1 0.42 (0.00)

Q 313.00>269.00 (-) 1.21e4



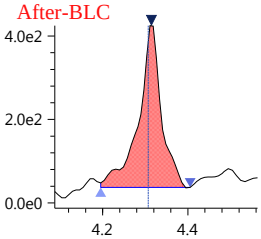
R1 313.00>119.10 (-) 3.69e2



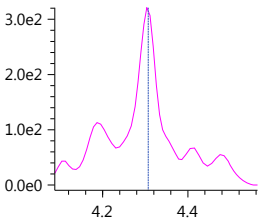
HPFO_DA

Conc 0.0049
RT 4.315 Area 1449
R#1 56.52 (0.00)

Q 329.00>169.00 (-) 4.25e2



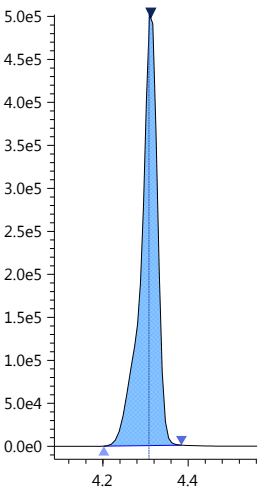
R1 329.00>285.10 (-) 3.21e2



HFPO_DA-13C_IS

Conc 5.0000
RT 4.312 Area 1352276

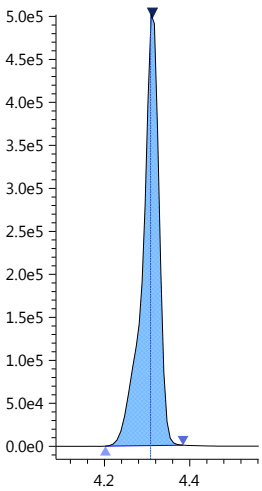
ISTD 332.00>286.80 (-) 5.02e5



HFPO_DA-13C

Conc 6.1602
RT 4.312 Area 1352276

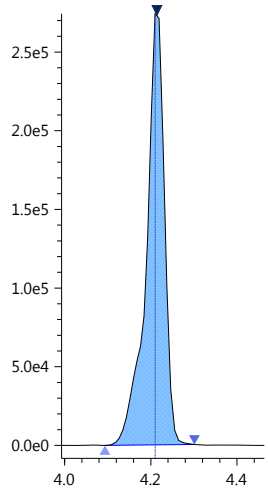
Q 332.00>286.80 (-) 5.02e5



4_2-FTS-13C_IS

Conc 5.0000
RT 4.214 Area 809062

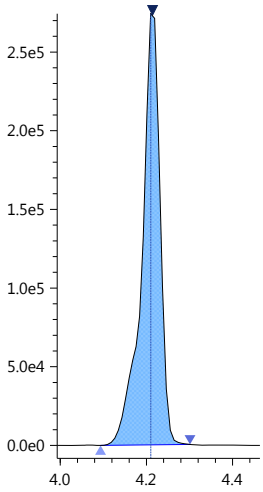
ISTD 328.80>309.05 (-) 2.74e5



4_2-FTS-13C

Conc 5.9536
RT 4.214 Area 809062

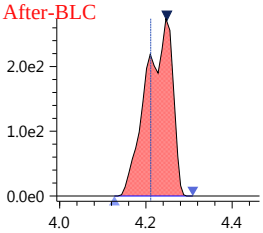
Q 328.80>309.05 (-) 2.74e5



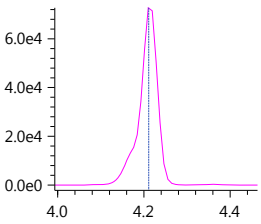
4_2-FTS_1

Conc 0.0065
RT 4.248 Area 1181
R#1 3623.31 (0.00)

Q 327.00>307.05 (-) 2.74e2



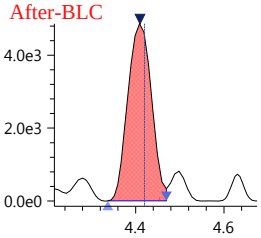
R1 327.00>81.10 (-) 7.27e4



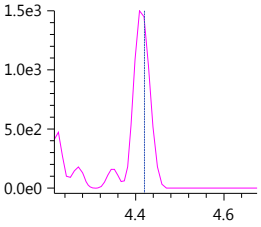
PFHpA

Conc 0.0011
RT 4.410 Area 18135
R#1 29.48 (0.00)

Q 362.90>319.00 (-) 4.87e3



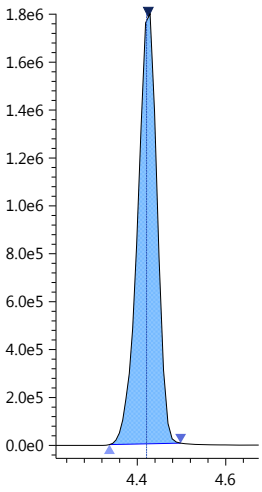
R1 362.90>169.00 (-) 1.50e3



PFHpA-13C_IS

Conc 5.0000
RT 4.425 Area 5543289

ISTD 366.90>322.10 (-) 1.80e6



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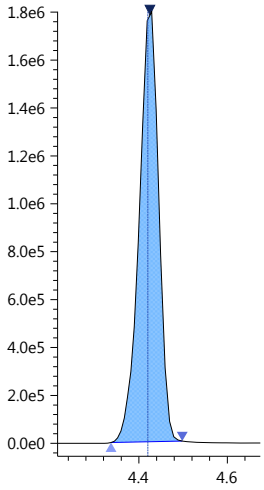
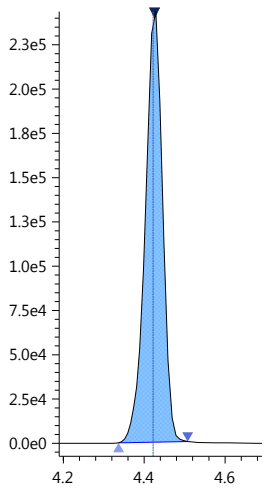
PFHpA-13C
Conc 5.2372
RT 4.425 Area 5543289

Q 366.90>322.10 (-) 1.80e6



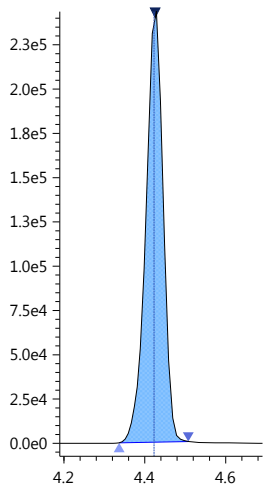
PFHxS-18O_IS
Conc 5.0000
RT 4.426 Area 726984

ISTD 402.70>84.05 (-) 2.44e5



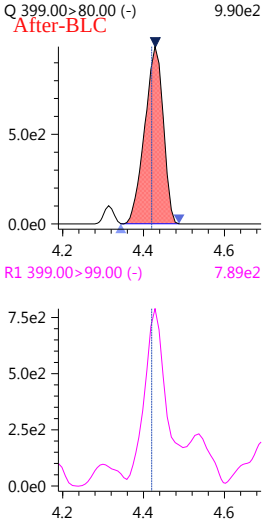
PFHxS-18O
Conc 4.8395
RT 4.426 Area 726984

Q 402.70>84.05 (-) 2.44e5



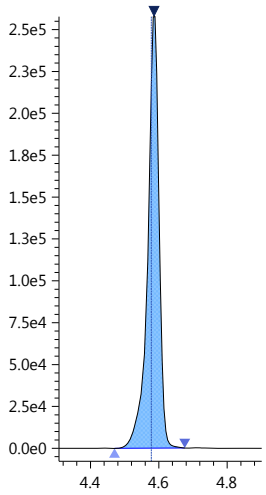
PFHxS_1
Conc -0.0368
RT 4.429 Area 3152
R#1 66.15 (0.00)

Q 399.00>80.00 (-) 9.90e2



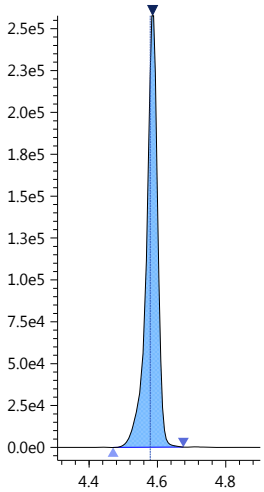
6_2-FTS-13C
Conc 5.6247
RT 4.586 Area 594973

Q 428.90>409.00 (-) 2.58e5



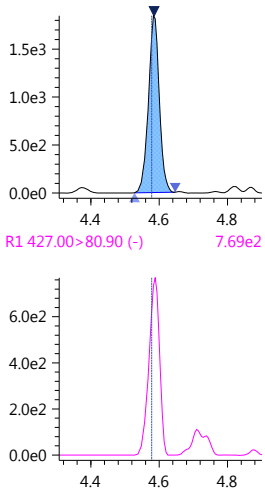
6_2-FTS-13C_IS
Conc 5.0000
RT 4.586 Area 594973

ISTD 428.90>409.00 (-) 2.58e5



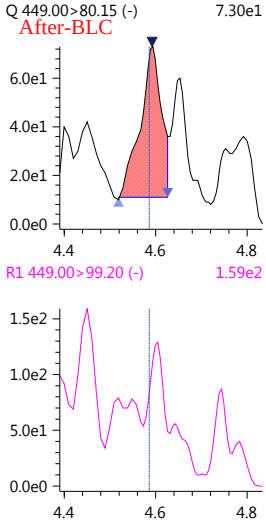
6_2-FTS_1
Conc 0.0278
RT 4.585 Area 4078
R#1 38.81 (0.00)

Q 427.00>407.00 (-) 1.85e3



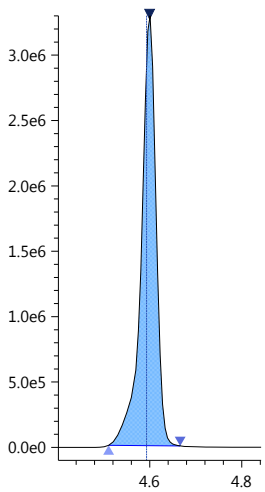
PFHpS_1
Conc 0.0008
RT 4.592 Area 196
R#1 124.53 (0.00)

Q 449.00>80.15 (-) 7.30e1



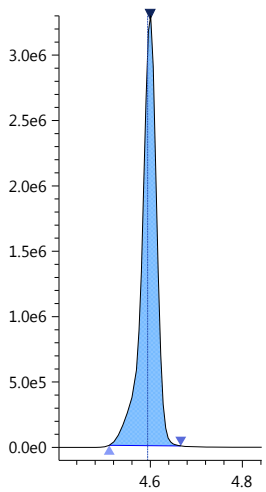
PFOA-13C_IS
Conc 5.0000
RT 4.600 Area 7377703

ISTD 416.80>372.05 (-) 3.30e6



PFOA-13C
Conc 5.7437
RT 4.600 Area 7377703

Q 416.80>372.05 (-) 3.30e6



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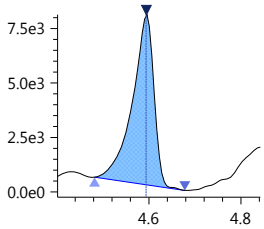
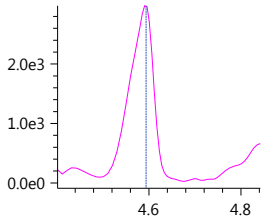
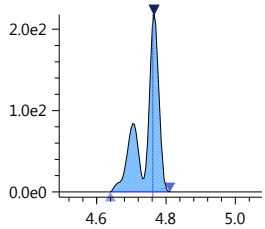
PFOA
Conc -0.0002
RT 4.595 Area 25425
R#1 36.87 (0.00)
Q 413.00>369.00 (-) 8.14e3



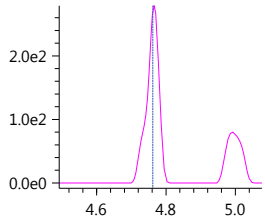
R1 413.00>169.10 (-) 2.98e3



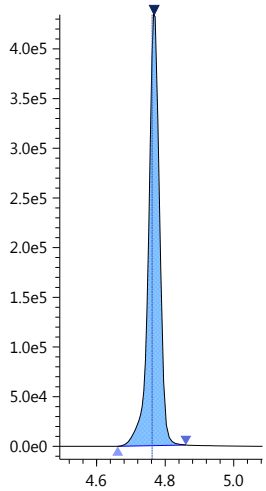
PFOS_1
Conc 0.0038
RT 4.766 Area 613
R#1 125.31 (0.00)
Q 499.00>80.00 (-) 2.18e2



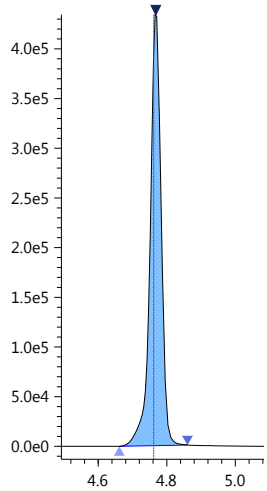
R1 499.00>99.00 (-) 2.79e2



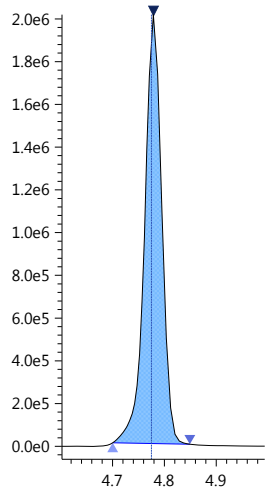
PFOS-13C_IS
Conc 5.0000
RT 4.768 Area 974300
ISTD 502.80>80.05 (-) 4.35e5



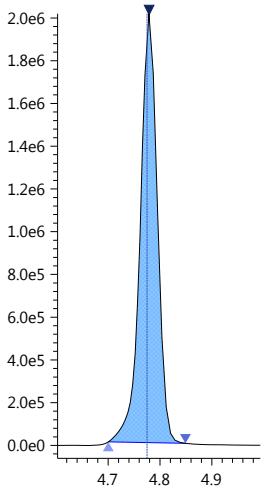
PFOS-13C
Conc 5.1671
RT 4.768 Area 974300
Q 502.80>80.05 (-) 4.35e5



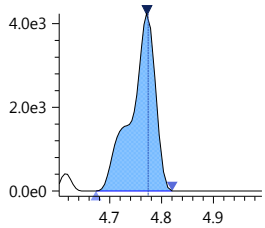
PFNA-13C_IS
Conc 5.0000
RT 4.779 Area 4630693
ISTD 467.80>423.00 (-) 2.02e6



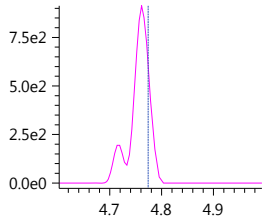
PFNA-13C
Conc 5.3683
RT 4.779 Area 4630693
Q 467.80>423.00 (-) 2.02e6



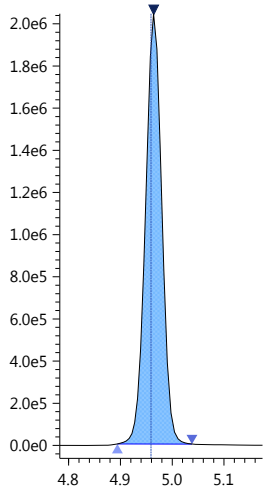
PFNA
Conc -0.0051
RT 4.772 Area 13805
R#1 14.41 (0.00)
Q 463.00>418.90 (-) 4.24e3



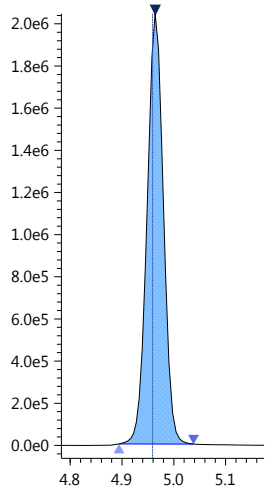
R1 463.00>219.00 (-) 9.13e2



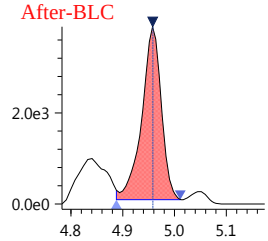
PFDA-13C_IS
Conc 5.0000
RT 4.964 Area 4476124
ISTD 514.80>469.95 (-) 2.05e6



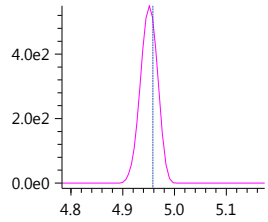
PFDA-13C
Conc 5.5410
RT 4.964 Area 4476124
Q 514.80>469.95 (-) 2.05e6



PFDA
Conc 0.0109
RT 4.958 Area 9936
R#1 13.53 (0.00)
Q 513.00>468.80 (-) 3.89e3



R1 513.00>219.10 (-) 5.50e2



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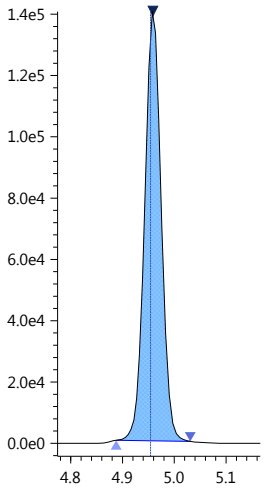
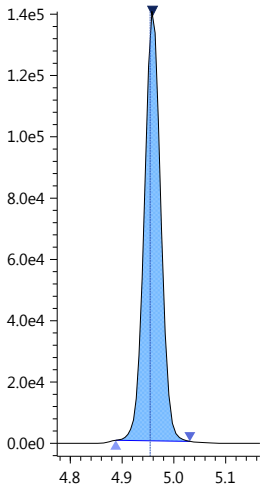
8_2-FTS-13C_IS
Conc 5.0000
RT 4.959 Area 311649

ISTD 528.80>509.00 (-) 1.41e5



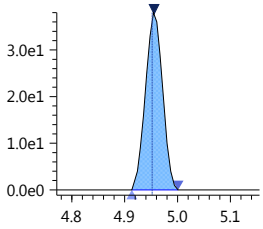
8_2-FTS-13C
Conc 5.3031
RT 4.959 Area 311649

Q 528.80>509.00 (-) 1.41e5

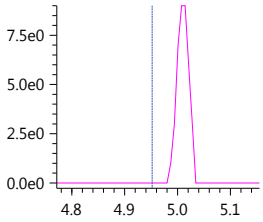


8_2-FTS_1
Conc 0.0018
RT 4.956 Area 86
R#1 0.00 (0.00)

Q 527.10>506.90 (-) 3.80e1

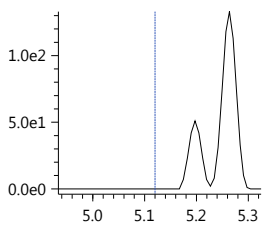


R1 527.20>487.00 (-) 9.00e0

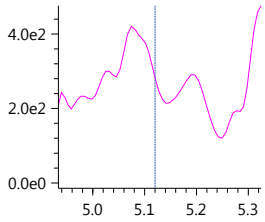


PFDS_1
Conc ----
RT ---- Area ----
R#1 ---- (0.00)

Q 599.00>79.90 (-) 1.33e2

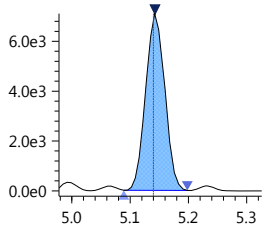


R1 599.00>99.10 (-) 4.76e2

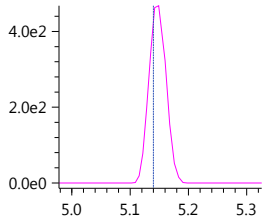


PFUnA
Conc -0.0074
RT 5.143 Area 16233
R#1 6.71 (0.00)

Q 563.00>518.90 (-) 7.11e3

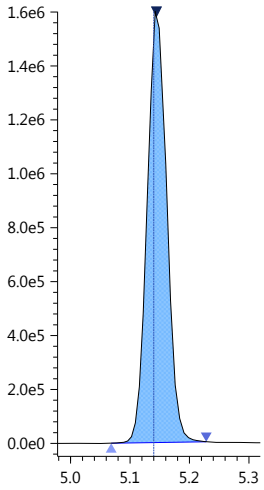


R1 563.00>219.00 (-) 4.68e2



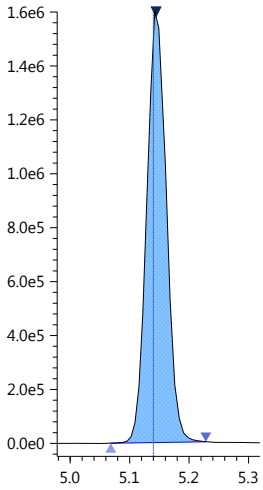
PFUnA-13C_IS
Conc 5.0000
RT 5.145 Area 3680143

ISTD 564.80>519.95 (-) 1.60e6



PFUnA-13C
Conc 5.5443
RT 5.145 Area 3680143

Q 564.80>519.95 (-) 1.60e6



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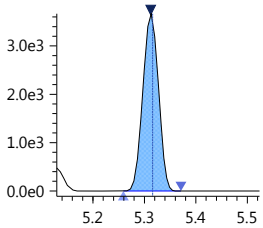
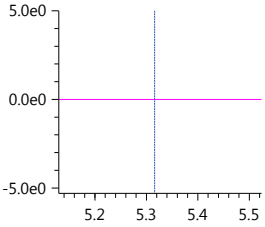
Conc -0.0023
RT 5.312 Area 7780
R#1 0.00 (0.00)

Q 613.05>569.00 (-) 3.67e3

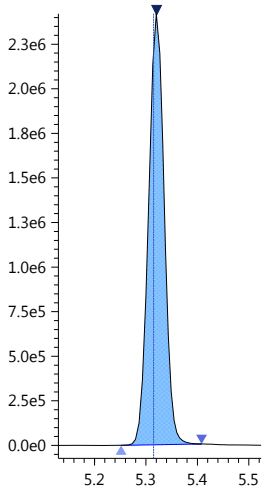


R1 613.05>169.00 (-) 0.00e0



PFDoA-13C
Conc 5.5028
RT 5.321 Area 5137674

Q 614.80>569.95 (-) 2.42e6



PFDoA-13C_IS
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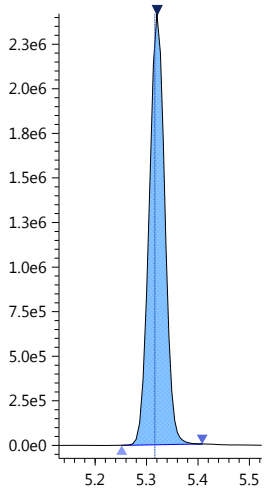
RT 5.321 Area 5137674

ISTD 614.80>569.95 (-) 2.42e6



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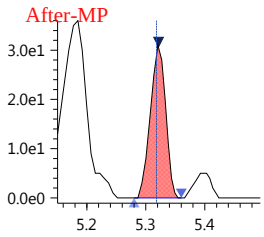
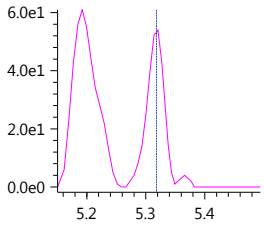
10_2-FtS_1

Conc 0.0017
RT 5.322 Area 56
R#1 163.64 (0.00)

Q 627.00>606.95 (-) 3.60e1



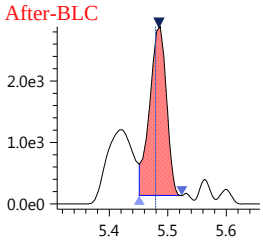
R1 627.00>81.25 (-) 6.10e1



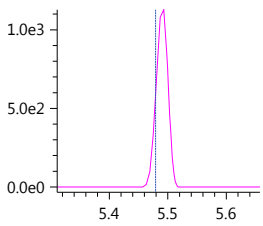
PFTrDA

Conc -0.0017
RT 5.485 Area 5520
R#1 41.86 (0.00)

Q 663.00>618.90 (-) 2.89e3



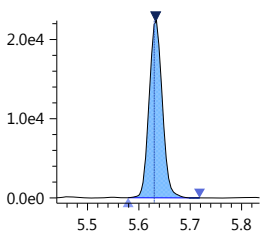
R1 662.90>169.00 (-) 1.13e3



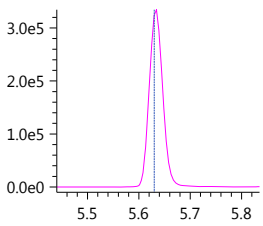
PFTeDA

Conc -0.0096
RT 5.633 Area 40037
R#1 1454.68 (0.00)

Q 713.40>669.00 (-) 2.24e4



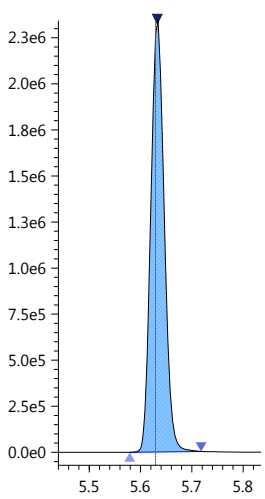
R1 713.40>169.10 (-) 3.34e5



PFTeDA-13C

Conc 6.0070
RT 5.633 Area 4272044

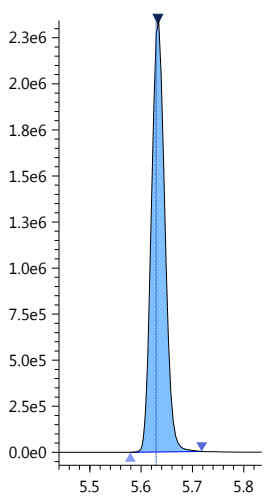
Q 714.70>669.90 (-) 2.34e6



PFTeDA-13C_IS

Conc 5.0000
RT 5.633 Area 4272044

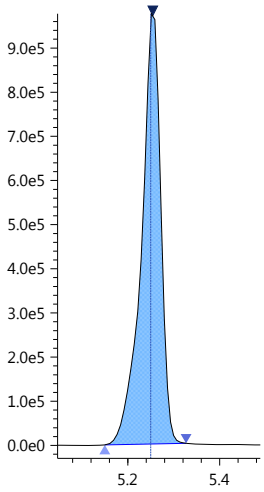
ISTD 714.70>669.90 (-) 2.34e6



FOSA-13C_IS

Conc 5.0000
RT 5.254 Area 2848549

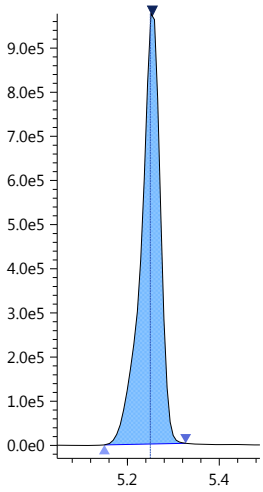
ISTD 506.00>78.05 (-) 9.78e5



FOSA-13C

Conc 5.7559
RT 5.254 Area 2848549

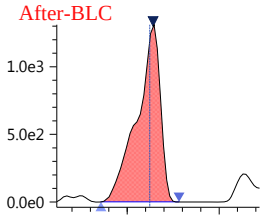
Q 506.00>78.05 (-) 9.78e5



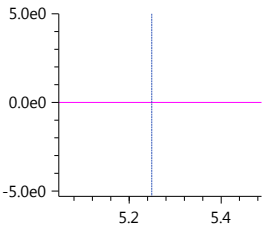
FOSA

Conc 0.0063
RT 5.257 Area 4579
R#1 0.00 (0.00)

Q 498.20>78.00 (-) 1.31e3



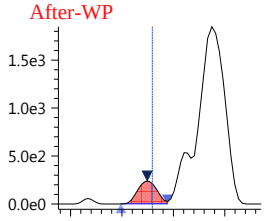
R1 498.20>64.10 (-) 0.00e0



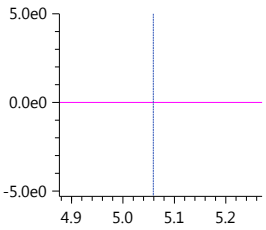
N-MeFOSAA

Conc 0.0083
RT 5.049 Area 619
R#1 0.00 (0.00)

Q 570.20>419.00 (-) 1.85e3



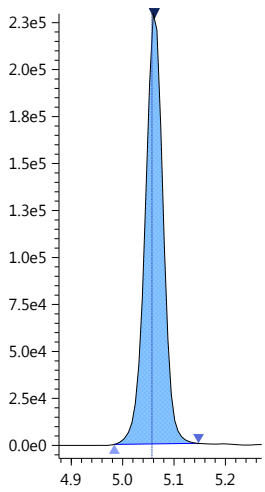
R1 570.20>512.00 (-) 0.00e0



N-MeFOSAA-d3

Conc 5.6123
RT 5.062 Area 561380

Q 572.80>419.05 (-) 2.30e5



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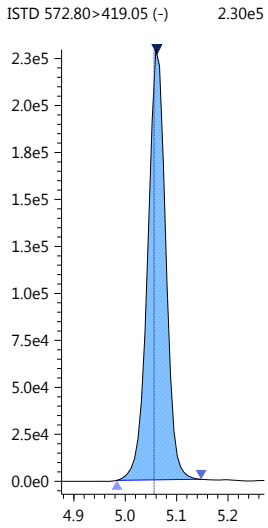
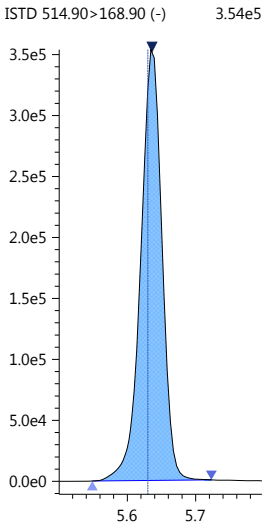
N-MeFOSAA-d3_IS
Conc 5.0000
RT 5.062 Area 561380



N-MeFOSA-d3_IS
Conc 5.0000
RT 5.636 Area 765435



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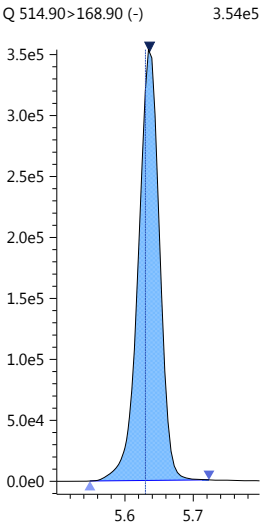
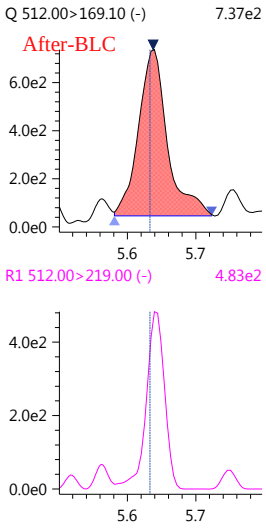
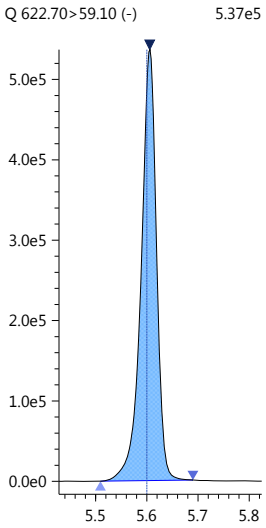
Conc 5.1159
RT 5.636 Area 765435



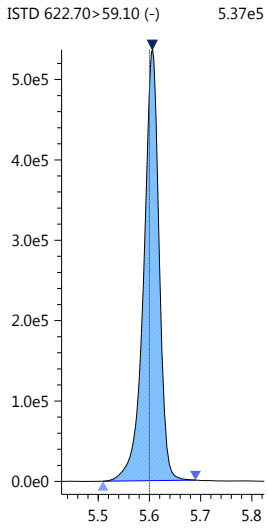
N-MeFOSA
Conc 0.0078
RT 5.638 Area 2034
R#1 61.33 (0.00)



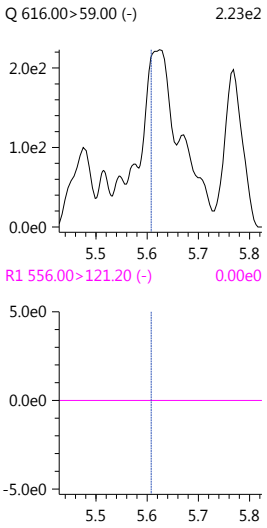
N-MeFOSE-d7
Conc 5.2231
RT 5.606 Area 1125108



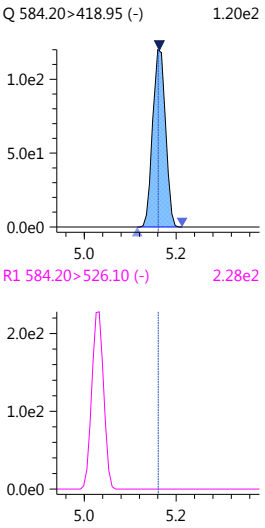
N-MeFOSE-d7_IS
Conc 5.0000
RT 5.606 Area 1125108



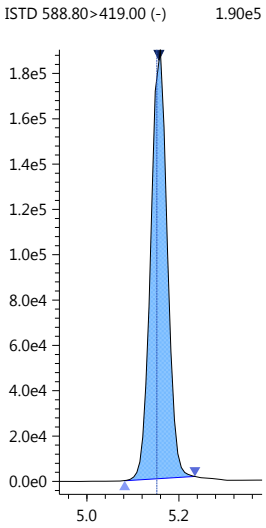
N-MeFOSE
Conc ----
RT ---- Area ----
R#1 ---- (0.00)



N-EtFOSAA
Conc 0.0039
RT 5.163 Area 235
R#1 0.00 (0.00)



N-EtFOSAA-d5_IS
Conc 5.0000
RT 5.157 Area 474729



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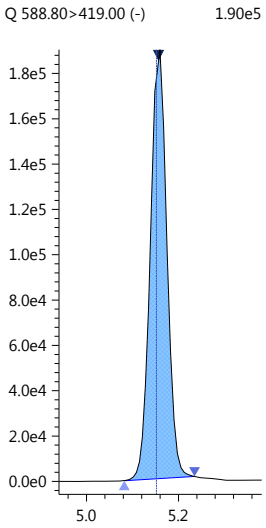
Conc 5.3893
RT 5.157 Area 474729



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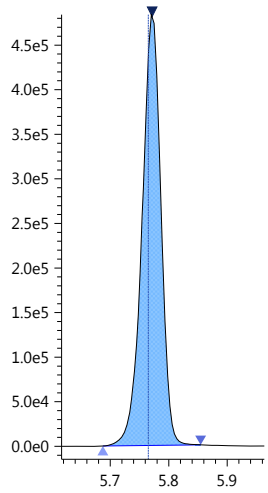
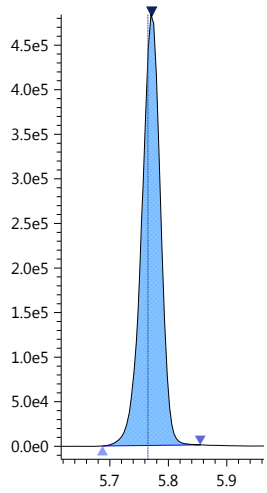
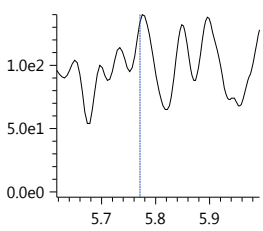
N-EtFOSA-d9_IS
Conc 5.0000
RT 5.772 Area 1088502
ISTD 530.90>169.15 (-) 4.84e5



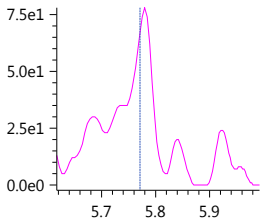
N-EtFOSA-d9
Conc 4.9055
RT 5.772 Area 1088502
Q 530.90>169.15 (-) 4.84e5



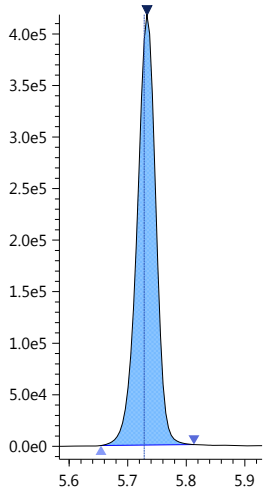
N-EtFOSA
Conc ----
RT ---- Area ----
R#1 ---- (0.00)
Q 526.90>169.10 (-) 1.40e2



R1 526.90>219.00 (-) 7.80e1



N-EtFOSE-d9_IS
Conc 5.0000
RT 5.733 Area 936343
ISTD 638.70>59.10 (-) 4.19e5



N-EtFOSE-d9
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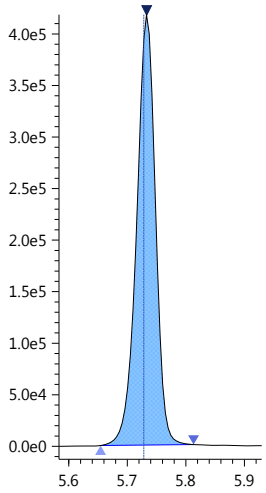
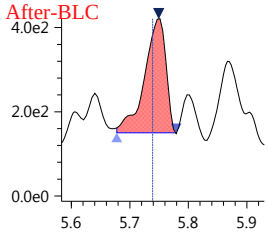
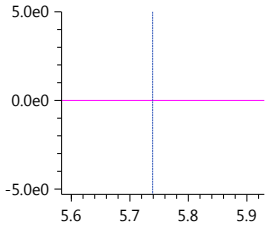
Q 638.70>59.10 (-) 4.19e5



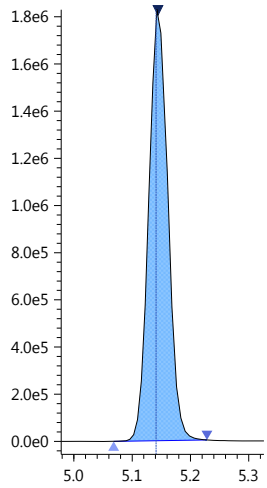
N-EtFOSE
Conc 0.0028
RT 5.749 Area 690
R#1 0.00 (0.00)
Q 630.00>58.90 (-) 4.21e2



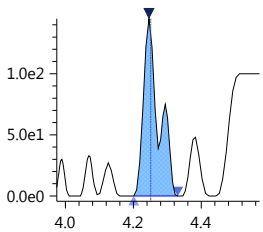
R1 570.00>136.10 (-) 0.00e0



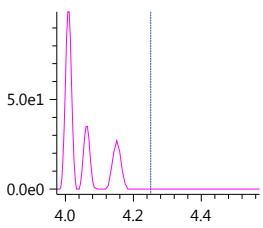
13C7-PFUnDA_IS
Conc 5.0000
RT 5.144 Area 4184462
ISTD 570.00>525.00 (-) 1.83e6



PFPeS
Conc 0.0026
RT 4.246 Area 451
R#1 0.00 (0.00)
Q 349.00>99.00 (-) 1.45e2



R1 349.00>79.95 (-) 9.90e1



PFNS
Conc 0.0027
RT 4.983 Area 391
R#1 12.80 (0.00)
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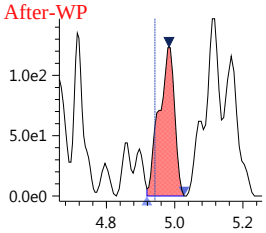
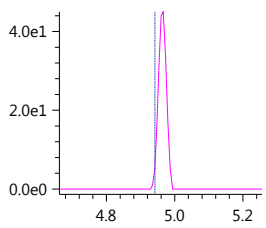


R1 549.00>79.95 (-) 4.50e1



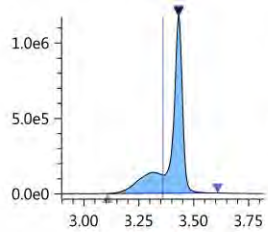
Insight Report

Printed at 6/19/2019 8:39:19 AM

190618_037

Sample ID: IB
Date acquired: 6/18/2019 5:07:45 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190618_b1\190618_037.lcd
Vial: 25 | Inj. Volume: 15.0000uL | Tray: 1

PFBA-13C_IS
Conc 5.0000
RT 3.432 Area 4272783
ISTD 216.90>172.15 (-) 1.18e6



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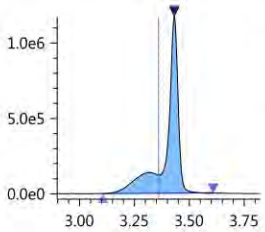

PFBA
Conc ----
RT ---- Area ----
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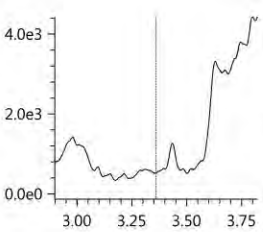

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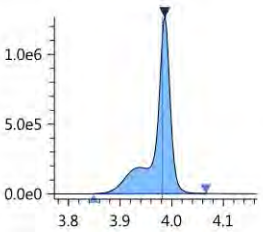
ISTD 267.90>223.00 (-) 1.27e6



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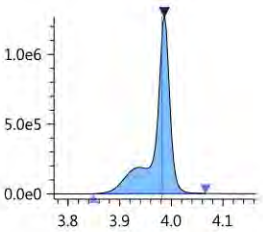

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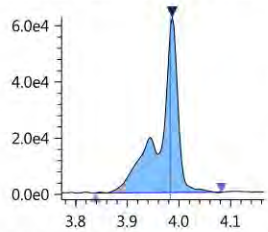

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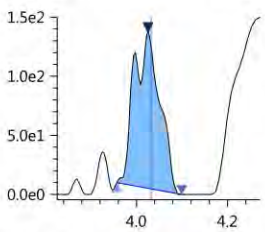

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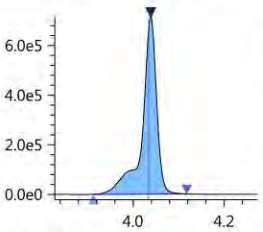

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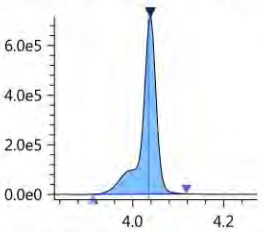

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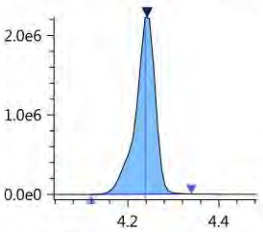

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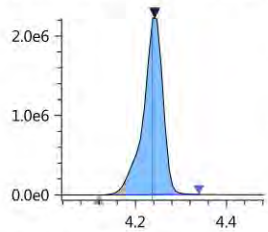

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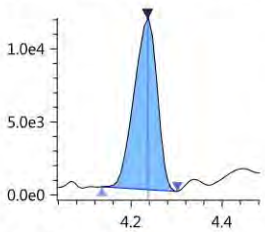

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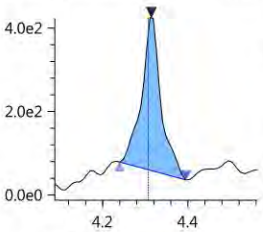
Q 329.00>169.00 (-) 4.25e2



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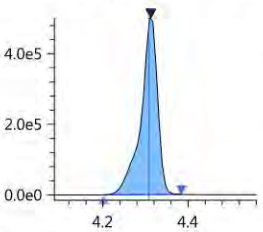
ISTD 332.00>286.80 (-) 5.02e5



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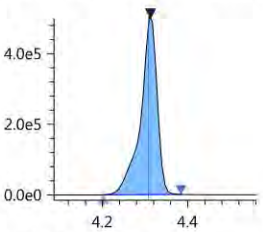

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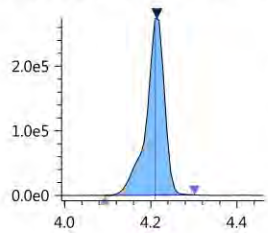

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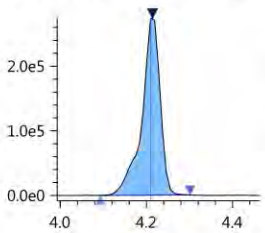

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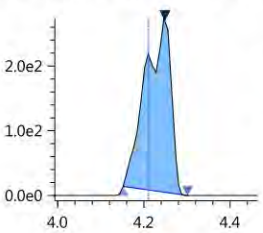

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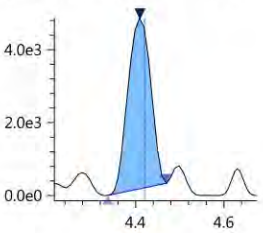

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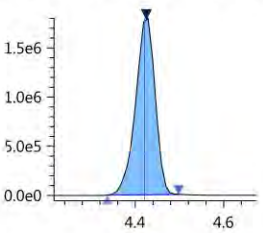

Insight Report

PFHpA-13C
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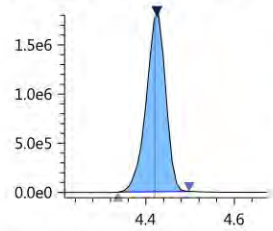

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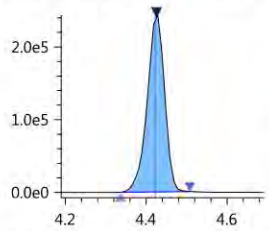

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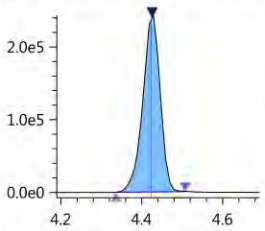

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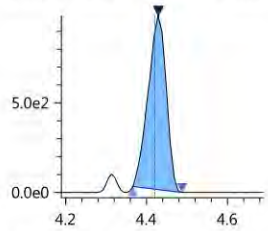

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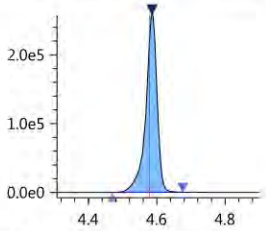

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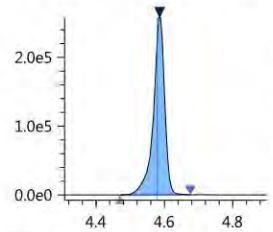

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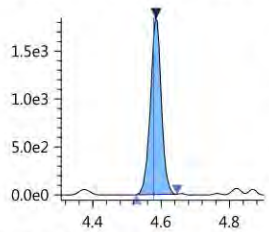

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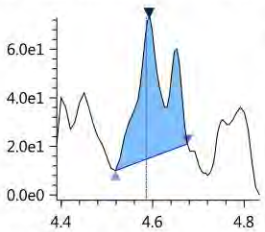

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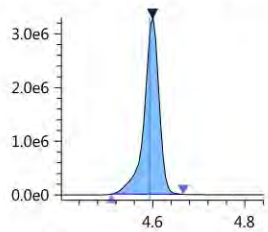
ISTD 416.80>372.05 (-) 3.30e6



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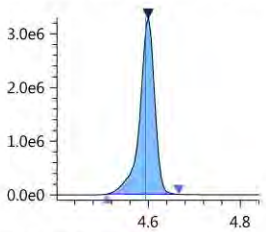

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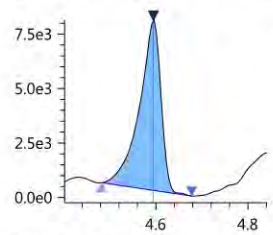

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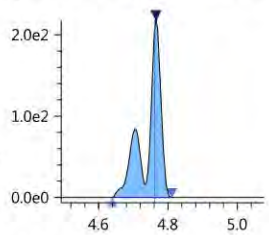

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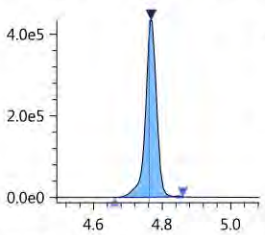
ISTD 502.80>80.05 (-) 4.35e5



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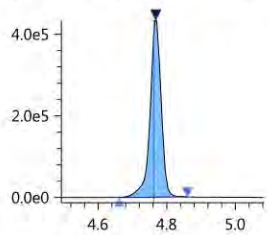

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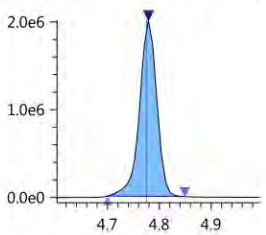

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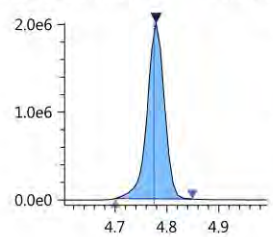

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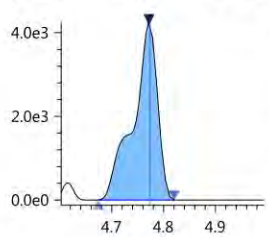

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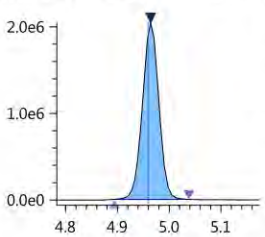

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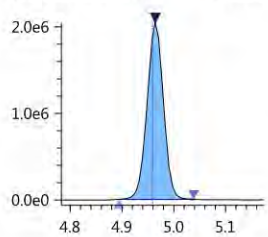

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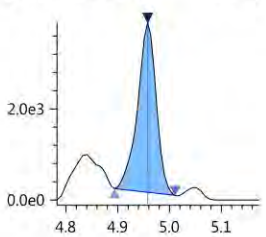

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8_2-FTS-13C_IS
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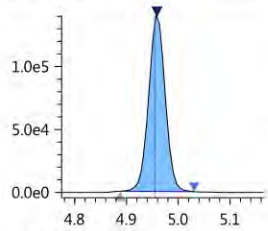
RT 4.959 Area 311649
ISTD 528.80>509.00 (-) 1.41e5



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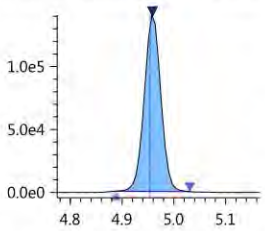
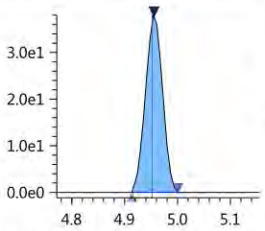
Q 528.80>509.00 (-) 1.41e5



8_2-FTS_1
Conc 0.0018
RT 4.956 Area 86
Q 527.10>506.90 (-) 3.80e1



PFDS_1
Conc 0.0014
RT 5.263 Area 246
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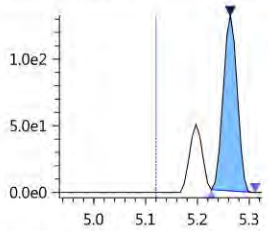

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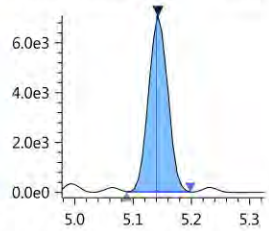
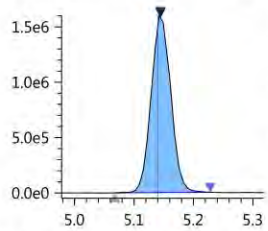
Conc 0.0222
RT 5.143 Area 16233
Q 563.00>518.90 (-) 7.11e3



PFUnA-13C_IS
Conc 5.0000
RT 5.145 Area 3680143
ISTD 564.80>519.95 (-) 1.60e6



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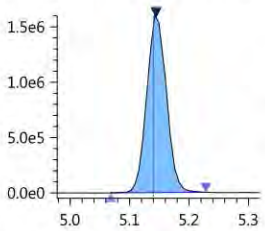

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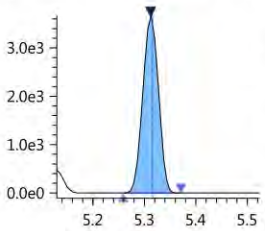
Conc 0.0115
RT 5.312 Area 7780
Q 613.05>569.00 (-) 3.67e3



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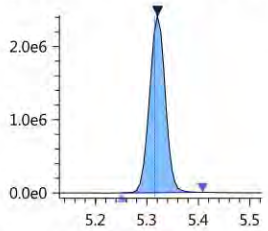
RT 5.321 Area 5137674
Q 614.80>569.95 (-) 2.42e6



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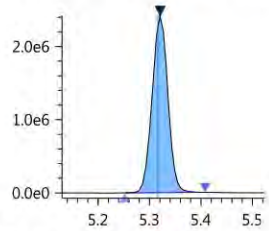
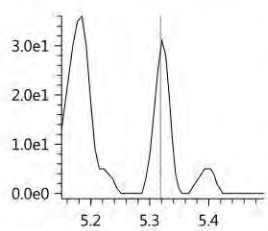
RT 5.321 Area 5137674
ISTD 614.80>569.95 (-) 2.42e6



10_2-FtS_1
Conc ----
RT ---- Area ----
Q 627.00>606.95 (-) 3.60e1



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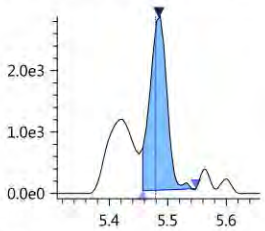
Conc 0.0067
RT 5.485 Area 5710
Q 663.00>618.90 (-) 2.89e3



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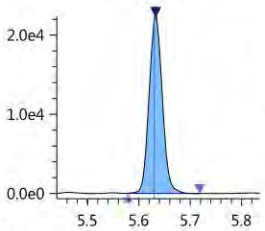
Q 713.40>669.00 (-) 2.24e4



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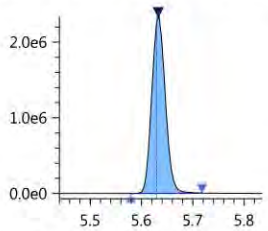
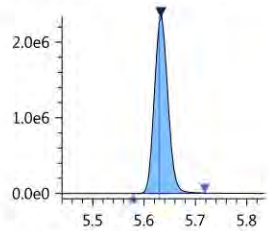
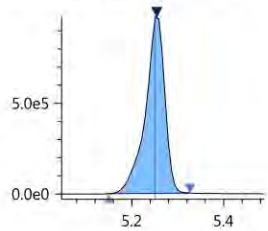
RT 5.633 Area 4272044
Q 714.70>669.90 (-) 2.34e6



PFTeDA-13C_IS
Conc 5.0000
RT 5.633 Area 4272044
ISTD 714.70>669.90 (-) 2.34e6



FOSA-13C_IS
Conc 5.0000
RT 5.254 Area 2848549
ISTD 506.00>78.05 (-) 9.78e5



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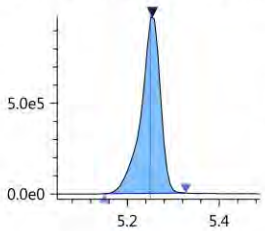

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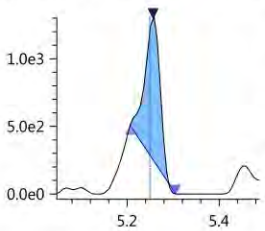
Conc 0.0033
RT 5.257 Area 2386
Q 498.20>78.00 (-) 1.31e3



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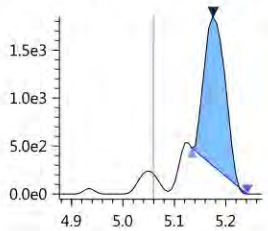

N-MeFOSAA-d3
Conc 5.6123
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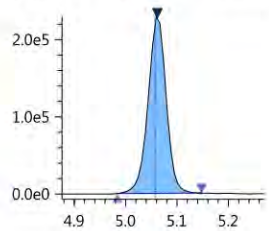
Q 572.80>419.05 (-) 2.30e5



Insight Report

Printed at 6/19/2019 8:39:19 AM

N-MeFOSAA-d3_IS
Conc 5.0000
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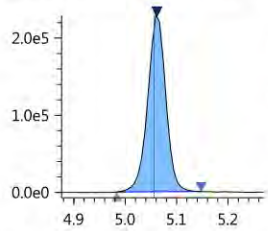
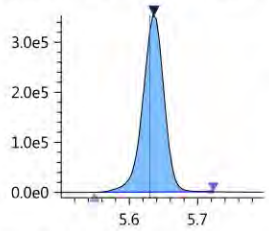
ISTD 572.80>419.05 (-) 2.30e5



N-MeFOSA-d3_IS
Conc 5.0000
RT 5.636 Area 765435
ISTD 514.90>168.90 (-) 3.54e5



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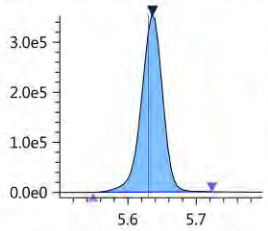
Q 514.90>168.90 (-) 3.54e5



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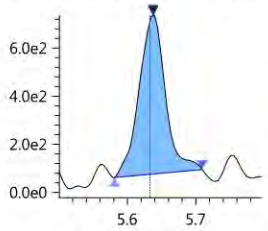
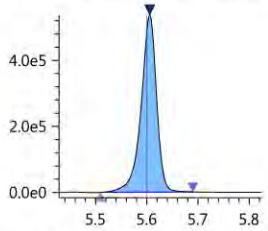
Q 512.00>169.10 (-) 7.37e2



N-MeFOSE-d7
Conc 5.2231
RT 5.606 Area 1125108
Q 622.70>59.10 (-) 5.37e5



N-MeFOSE-d7_IS
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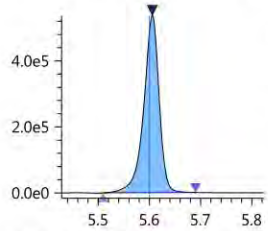
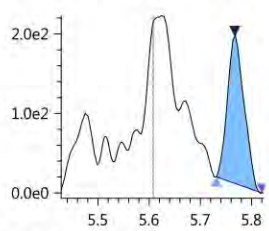
ISTD 622.70>59.10 (-) 5.37e5



N-MeFOSE
Conc 0.0016
RT 5.767 Area 420
Q 616.00>59.00 (-) 2.23e2



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Conc 0.0038
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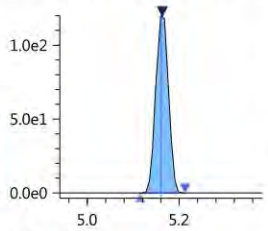
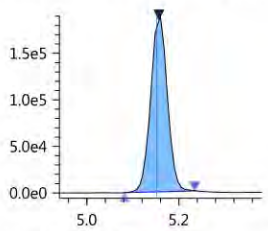


N-EtFOSAA-d5_IS
Conc 5.0000
RT 5.157 Area 474729
ISTD 588.80>419.00 (-) 1.90e5



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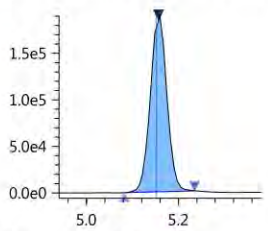

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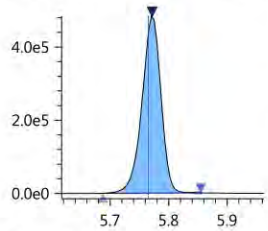
ISTD 530.90>169.15 (-) 4.84e5



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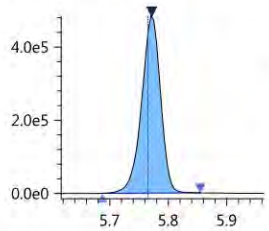
Q 530.90>169.15 (-) 4.84e5



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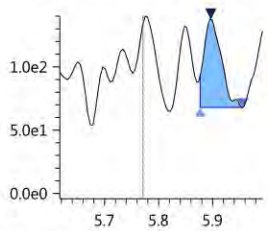
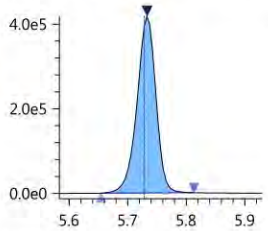
Q 526.90>169.10 (-) 1.40e2



N-EtFOSE-d9_IS
Conc 5.0000
RT 5.733 Area 936343
ISTD 638.70>59.10 (-) 4.19e5



N-EtFOSE-d9
Conc 5.3076
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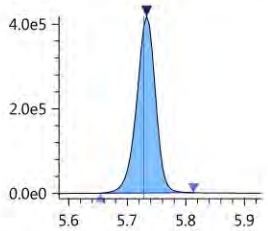
Q 638.70>59.10 (-) 4.19e5



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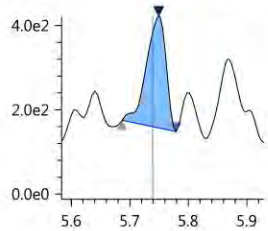
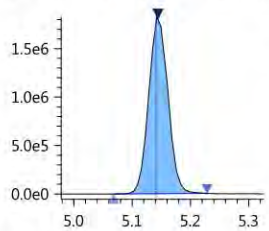
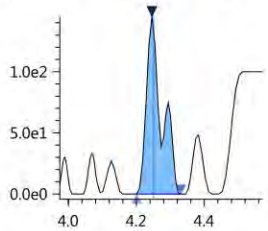
Q 630.00>58.90 (-) 4.21e2



13C7-PFUnDA_IS
Conc 5.0000
RT 5.144 Area 4184462
ISTD 570.00>525.00 (-) 1.83e6



PFPeS
Conc 0.0026
RT 4.246 Area 451
Q 349.00>99.00 (-) 1.45e2



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Conc 0.0052
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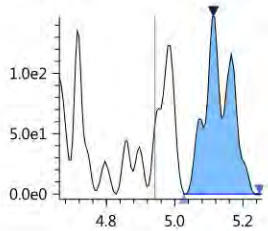
Q 549.00>99.00 (-) 1.47e2



Insight Report

Printed at 6/19/2019 1:07:21 PM

190618_038

Sample ID: T-PFOA
Date acquired: 6/18/2019 5:18:11 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190618_b1\190618_038.lcd
Vial: 9 | Inj. Volume: 15.0000uL | Tray: 0

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
PFBA-13C_IS	Auto	3.139	1908	1908	2	5.0000	ng/mL	----
PFBA-13C	Auto	3.139	1908	1196	26	8.3595	ng/mL	----
PFBA	ND(W/B)	----	----	1908	2	----	ng/mL	----
PFPeA-13C_IS	Auto	4.006	848	848	4	5.0000	ng/mL	----
PFPeA-13C	Auto	4.006	848	1196	26	6.1332	ng/mL	----
PFPeA	Auto	3.933	24293	848	4	59.2583	ng/mL	----
PFBS_1	Auto	3.986	224	304	16	3.1371	ng/mL	----
PFBS-13C	Auto	3.994	304	1196	26	3.6372	ng/mL	----
PFBS-13C_IS	Auto	3.994	304	304	16	5.0000	ng/mL	----
PFHxA-13C_IS	Auto	4.128	522	522	6	5.0000	ng/mL	----
PFHxA-13C	Auto	4.128	522	1196	26	1.6734	ng/mL	----
PFHxA	Auto	4.206	25344	522	6	214.9347	ng/mL	----
HPFO_DA	Auto	4.306	431	185	3	10.6286	ng/mL	----
HFPO_DA-13C_IS	Auto	4.225	185	185	3	5.0000	ng/mL	----
HFPO_DA-13C	Auto	4.225	185	1196	26	2.9534	ng/mL	----
4_2-FTS-13C_IS	Auto	4.252	326	326	5	5.0000	ng/mL	----
4_2-FTS-13C	Auto	4.252	326	1196	26	8.3985	ng/mL	----
4_2-FTS_1	Auto	4.387	127	326	5	1.7240	ng/mL	----
PFHpA	Auto	4.400	18186	2181	8	44.4004	ng/mL	----
PFHpA-13C_IS	Auto	4.424	2181	2181	8	5.0000	ng/mL	----
PFHpA-13C	Auto	4.424	2181	1196	26	7.2104	ng/mL	----
PFHxS-18O_IS	Auto	4.424	148	148	7	5.0000	ng/mL	----
PFHxS-18O	Auto	4.424	148	1196	26	3.4439	ng/mL	----
PFHxS_1	ND(W/B)	----	----	148	7	----	ng/mL	----
6_2-FTS-13C	Auto	4.460	168	1196	26	5.5487	ng/mL	----
6_2-FTS-13C_IS	Auto	4.460	168	168	10	5.0000	ng/mL	----
6_2-FTS_1	Auto	4.572	180	168	10	4.3342	ng/mL	----
PFHpS_1	ND(W/B)	----	----	148	7	----	ng/mL	----
PFOA-13C_IS	Auto	4.709	285	285	9	5.0000	ng/mL	----
PFOA-13C	Auto	4.709	285	1196	26	0.7773	ng/mL	----
PFOA	Auto	4.590	1005359	285	9	19436.6581	ng/mL	----
PFOS_1	Auto	4.754	282	----	13	0.0000	ng/mL	----
PFOS-13C_IS	ND(W/B)	----	----	----	13	----	ng/mL	----
PFOS-13C	ND(W/B)	----	----	1196	26	----	ng/mL	----
PFNA-13C_IS	Auto	4.737	177	177	11	5.0000	ng/mL	----
PFNA-13C	Auto	4.737	177	1196	26	0.7193	ng/mL	----
PFNA	Auto	4.753	7874	177	11	248.5760	ng/mL	----
PFDA-13C_IS	Auto	4.958	770	770	12	5.0000	ng/mL	----
PFDA-13C	Auto	4.958	770	1196	26	3.3340	ng/mL	----
PFDA	Auto	4.929	8332	770	12	53.1841	ng/mL	----
8_2-FTS-13C_IS	ND(W/B)	----	----	----	15	----	ng/mL	----
8_2-FTS-13C	ND(W/B)	----	----	1196	26	----	ng/mL	----
8_2-FTS_1	ND(W/B)	----	----	----	15	----	ng/mL	----
PFDS_1	ND(W/B)	----	----	----	13	----	ng/mL	----
PFUnA	Auto	5.115	10691	785	14	79.2992	ng/mL	----
PFUnA-13C_IS	Auto	5.145	785	785	14	5.0000	ng/mL	----
PFUnA-13C	Auto	5.145	785	1196	26	4.1364	ng/mL	----
PFDoA	Auto	5.286	5204	1084	17	39.0845	ng/mL	----
PFDoA-13C	Auto	5.313	1084	1196	26	4.0643	ng/mL	----
PFDoA-13C_IS	Auto	5.313	1084	1084	17	5.0000	ng/mL	----
10_2-FtS_1	ND(W/B)	----	----	----	15	----	ng/mL	----
PFTrDA	Auto	5.459	10149	555	22	94.9869	ng/mL	----
PFTeDA	Auto	5.634	1571	555	22	41.5453	ng/mL	----
PFTeDA-13C	Auto	5.627	555	1196	26	2.7309	ng/mL	----
PFTeDA-13C_IS	Auto	5.627	555	555	22	5.0000	ng/mL	----
FOSA-13C_IS	Auto	5.235	1789	1789	18	5.0000	ng/mL	----
FOSA-13C	Auto	5.235	1789	1196	26	12.6513	ng/mL	----
FOSA	Auto	5.261	878	1789	18	1.9169	ng/mL	----
N-MeFOSAA	Auto	5.173	9405	1453	19	48.7639	ng/mL	----
N-MeFOSAA-d3	Auto	5.062	1453	1196	26	50.8454	ng/mL	----
N-MeFOSAA-d3_IS	Auto	5.062	1453	1453	19	5.0000	ng/mL	----
N-MeFOSA-d3_IS	Auto	5.723	117	117	1	5.0000	ng/mL	----
N-MeFOSA-d3	Auto	5.723	117	1196	26	2.7342	ng/mL	----
N-MeFOSA	Auto	5.656	405	117	1	10.1592	ng/mL	----
N-MeFOSE-d7	Auto	5.589	280	1196	26	4.5528	ng/mL	----
N-MeFOSE-d7_IS	Auto	5.589	280	280	20	5.0000	ng/mL	----
N-MeFOSE	Auto	5.745	478	280	20	7.1281	ng/mL	----
N-EtFOSAA	ND(W/B)	----	----	1606	21	----	ng/mL	----

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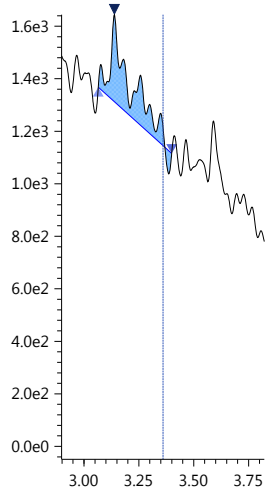
(Table continued from previous page)

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
N-EtFOSAA-d5_IS	Auto	5.145	1606	1606	21	5.0000	ng/mL	----
N-EtFOSAA-d5	Auto	5.145	1606	1196	26	63.7885	ng/mL	----
N-EtFOSA-d9_IS	ND(W/B)	----	----	----	23	----	ng/mL	----
N-EtFOSA-d9	ND(W/B)	----	----	1196	26	----	ng/mL	----
N-EtFOSA	Auto	5.738	408	----	23	0.0000	ng/mL	----
N-EtFOSE-d9_IS	Auto	5.801	931	931	24	5.0000	ng/mL	----
N-EtFOSE-d9	Auto	5.801	931	1196	26	18.4687	ng/mL	----
N-EtFOSE	Auto	5.851	335	931	24	1.3777	ng/mL	----
13C7-PFUnDA_IS	Auto	5.131	1196	1196	26	5.0000	ng/mL	----
PFPeS	Auto	4.215	601	304	16	18.0013	ng/mL	----
PFNS	Auto	5.034	879	----	13	0.0000	ng/mL	----

PFBA-13C_IS

Conc 5.0000
RT 3.139 Area 1908

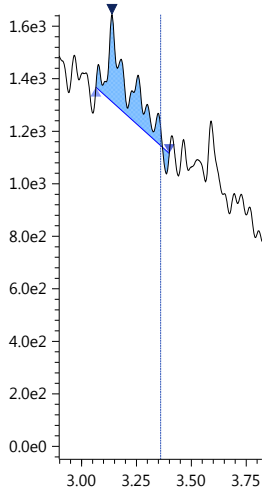
ISTD 216.90>172.15 (-) 1.64e3



PFBA-13C

Conc 8.3595
RT 3.139 Area 1908

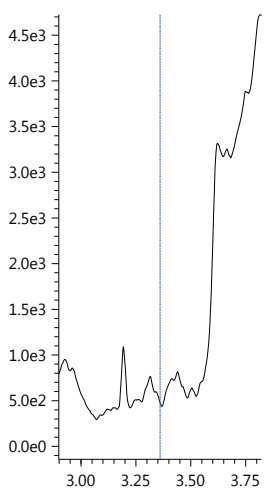
Q 216.90>172.15 (-) 1.64e3



PFBA

Conc ----
RT ---- Area ----

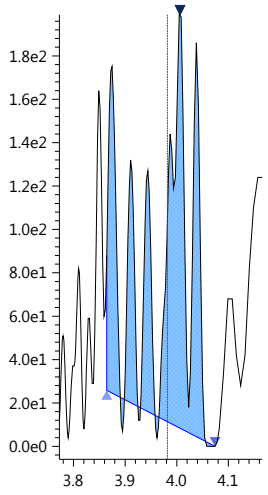
Q 213.00>169.10 (-) 4.73e3



PFPeA-13C_IS

Conc 5.0000
RT 4.006 Area 848

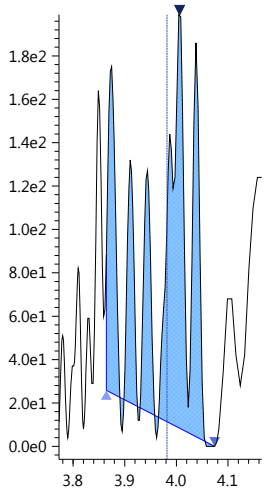
ISTD 267.90>223.00 (-) 1.99e2



PFPeA-13C

Conc 6.1332
RT 4.006 Area 848

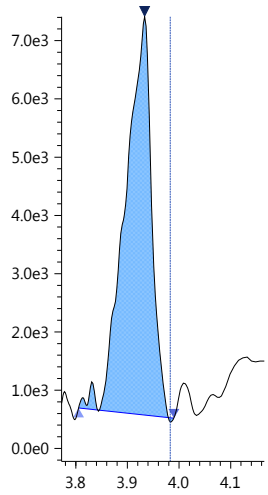
Q 267.90>223.00 (-) 1.99e2



PFPeA

Conc 59.2583
RT 3.933 Area 24293

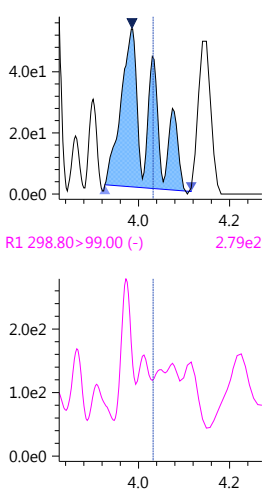
Q 263.05>219.10 (-) 7.41e3



PFBS_1

Conc 3.1371
RT 3.986 Area 224
R#1 36.92 (0.00)

Q 299.00>80.00 (-) 5.80e1

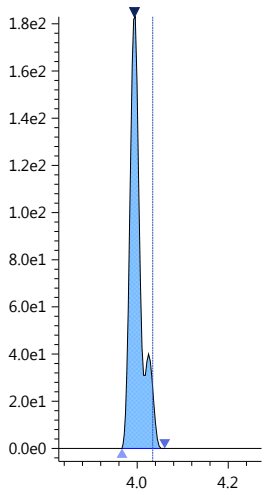


R1 298.80>99.00 (-) 2.79e2

PFBS-13C

Conc 3.6372
RT 3.994 Area 304

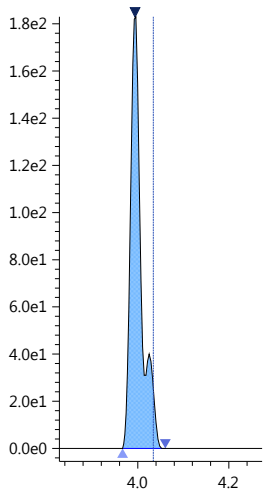
Q 301.80>80.00 (-) 1.83e2



PFBS-13C_IS

Conc 5.0000
RT 3.994 Area 304

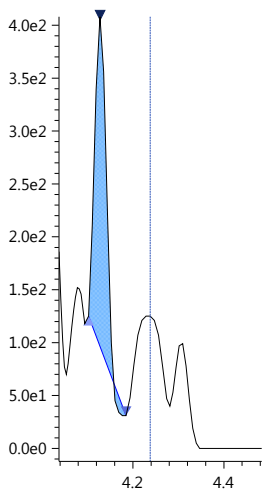
ISTD 301.80>80.00 (-) 1.83e2



PFHxA-13C_IS

Conc 5.0000
RT 4.128 Area 522

ISTD 314.90>270.10 (-) 4.08e2



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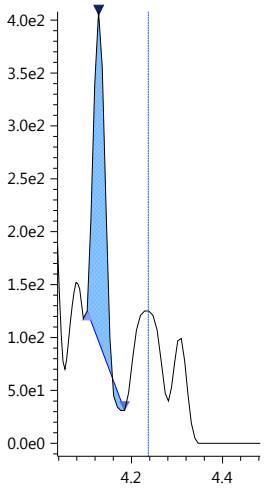
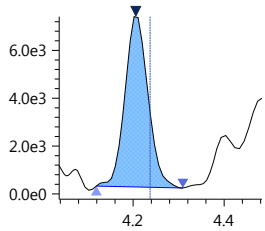
PFHxA-13C
Conc 1.6734
RT 4.128 Area 522

Q 314.90>270.10 (-) 4.08e2

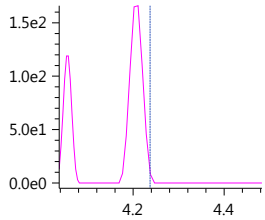


PFHxA
Conc 214.9347
RT 4.206 Area 25344
R#1 2.27 (0.00)

Q 313.00>269.00 (-) 7.41e3

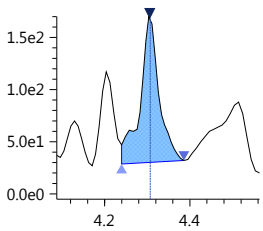


R1 313.00>119.10 (-) 1.66e2

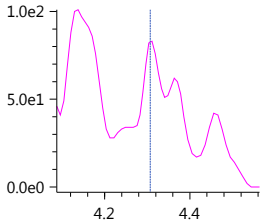


HPFO_DA
Conc 10.6286
RT 4.306 Area 431
R#1 34.31 (0.00)

Q 329.00>169.00 (-) 1.70e2

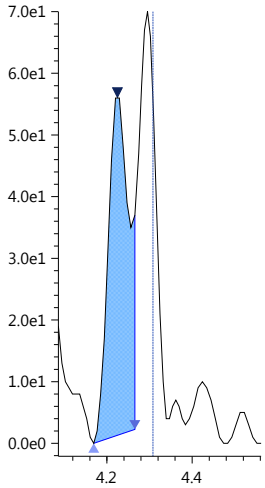


R1 329.00>285.10 (-) 1.01e2



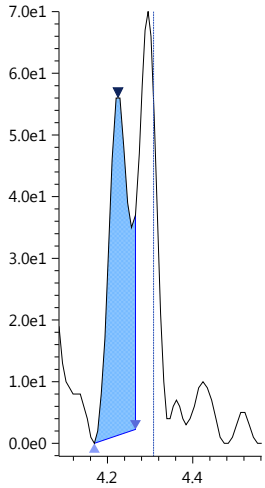
HFPO_DA-13C_IS
Conc 5.0000
RT 4.225 Area 185

ISTD 332.00>286.80 (-) 7.00e1



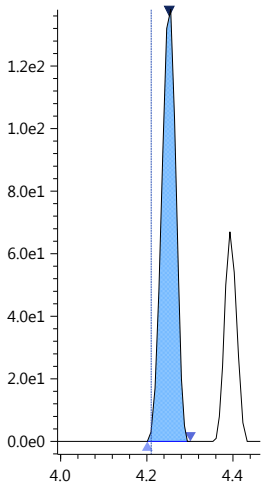
HFPO_DA-13C
Conc 2.9534
RT 4.225 Area 185

Q 332.00>286.80 (-) 7.00e1



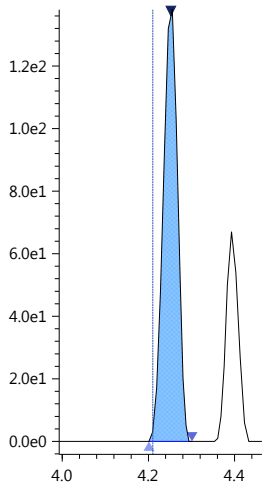
4_2-FTS-13C_IS
Conc 5.0000
RT 4.252 Area 326

ISTD 328.80>309.05 (-) 1.38e2



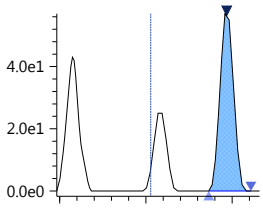
4_2-FTS-13C
Conc 8.3985
RT 4.252 Area 326

Q 328.80>309.05 (-) 1.38e2

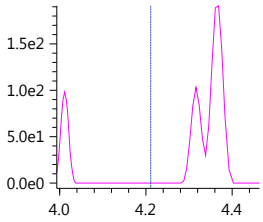


4_2-FTS_1
Conc 1.7240
RT 4.387 Area 127
R#1 55.17 (0.00)

Q 327.00>307.05 (-) 5.70e1

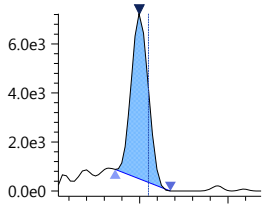


R1 327.00>81.10 (-) 1.91e2

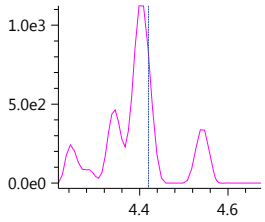


PFHpA
Conc 44.4004
RT 4.400 Area 18186
R#1 12.21 (0.00)

Q 362.90>319.00 (-) 7.23e3

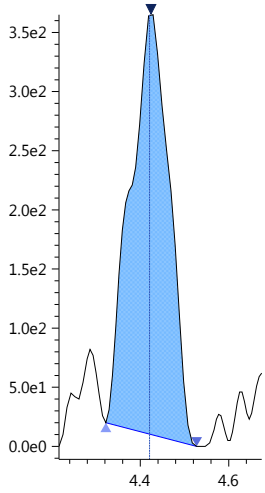


R1 362.90>169.00 (-) 1.12e3



PFHpA-13C_IS
Conc 5.0000
RT 4.424 Area 2181

ISTD 366.90>322.10 (-) 3.65e2



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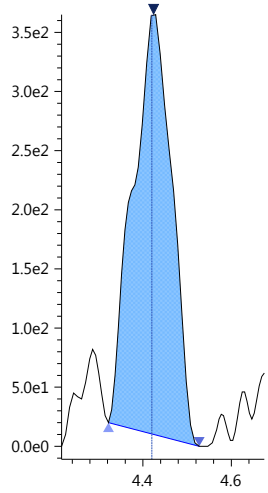
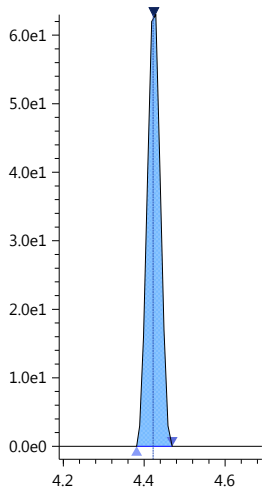
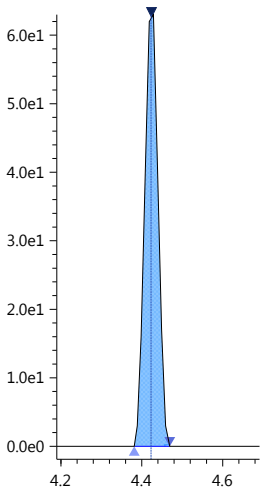
PFHpA-13C
Conc 7.2104
RT 4.424 Area 2181
Q 366.90>322.10 (-) 3.65e2



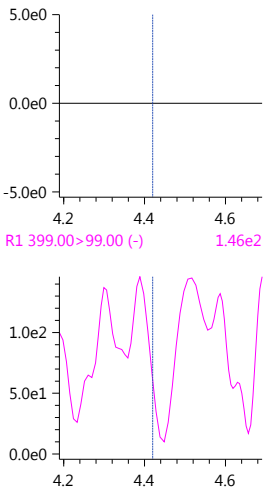
PFHxS-18O_IS
Conc 5.0000
RT 4.424 Area 148
ISTD 402.70>84.05 (-) 6.30e1



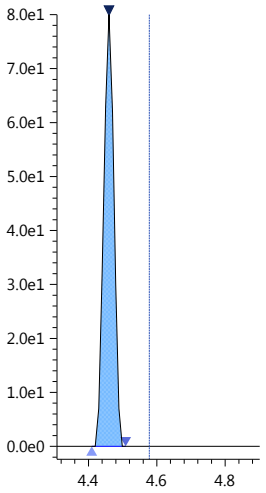
PFHxS-18O
Conc 3.4439
RT 4.424 Area 148
Q 402.70>84.05 (-) 6.30e1



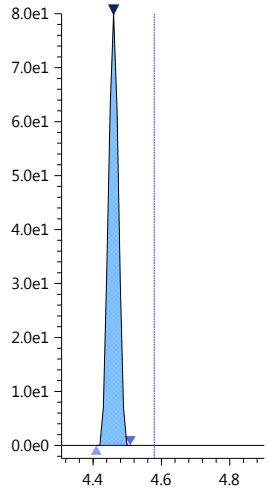
PFHxS_1
Conc ----
RT ---- Area ----
R#1 ---- (0.00)
Q 399.00>80.00 (-) 0.00e0



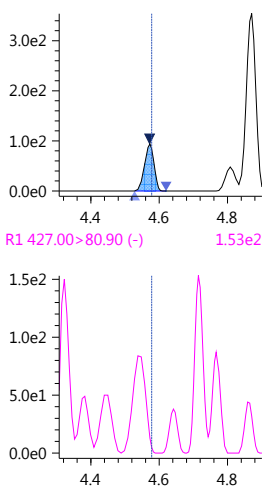
6_2-FTS-13C
Conc 5.5487
RT 4.460 Area 168
Q 428.90>409.00 (-) 8.00e1



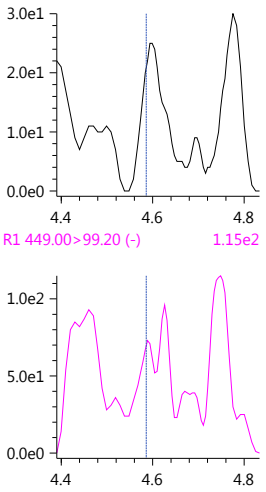
6_2-FTS-13C_IS
Conc 5.0000
RT 4.460 Area 168
ISTD 428.90>409.00 (-) 8.00e1



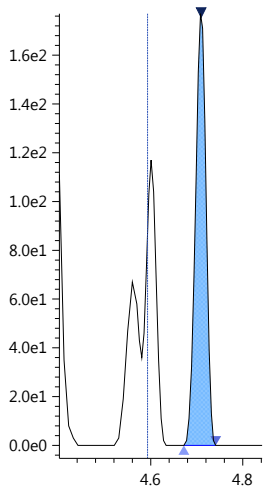
6_2-FTS_1
Conc 4.3342
RT 4.572 Area 180
R#1 0.00 (0.00)
Q 427.00>407.00 (-) 3.54e2



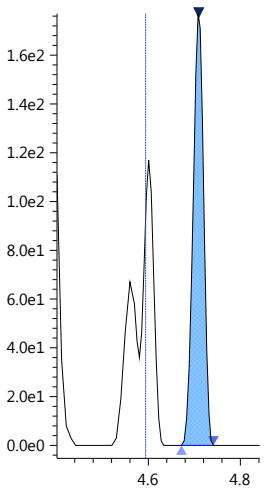
PFHpS_1
Conc ----
RT ---- Area ----
R#1 ---- (0.00)
Q 449.00>80.15 (-) 3.00e1



PFOA-13C_IS
Conc 5.0000
RT 4.709 Area 285
ISTD 416.80>372.05 (-) 1.77e2



PFOA-13C
Conc 0.7773
RT 4.709 Area 285
Q 416.80>372.05 (-) 1.77e2



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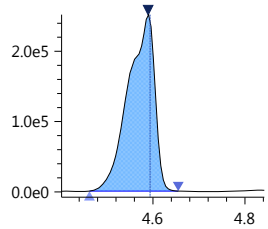
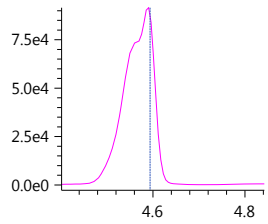
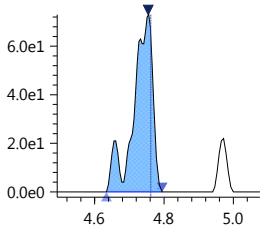
PFOA
Conc 19436.6581
RT 4.590 Area 1005359
R#1 36.29 (0.00)
Q 413.00>369.00 (-) 2.52e5



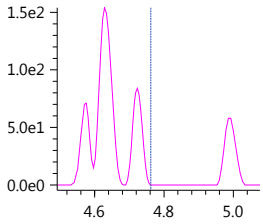
R1 413.00>169.10 (-) 9.15e4



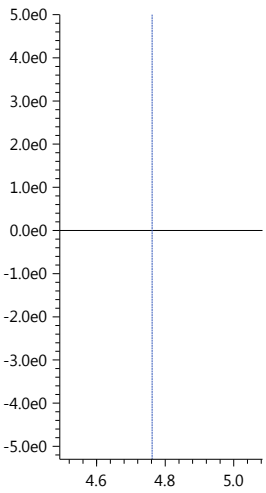
PFOS_1
Conc 0.0000
RT 4.754 Area 282
R#1 0.00 (0.00)
Q 499.00>80.00 (-) 7.30e1



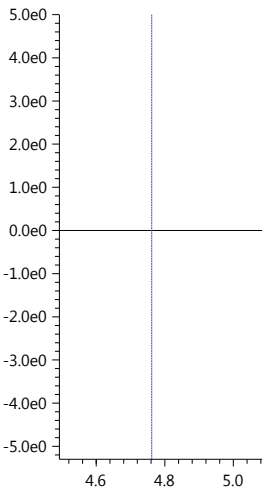
R1 499.00>99.00 (-) 1.54e2



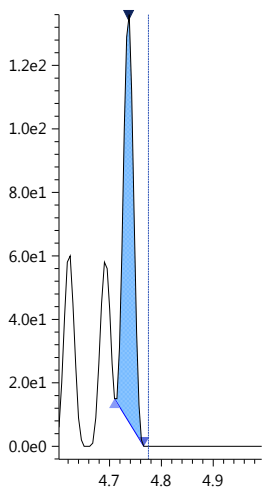
PFOS-13C_IS
Conc ----
RT ---- Area ----
ISTD 502.80>80.05 (-) 0.00e0



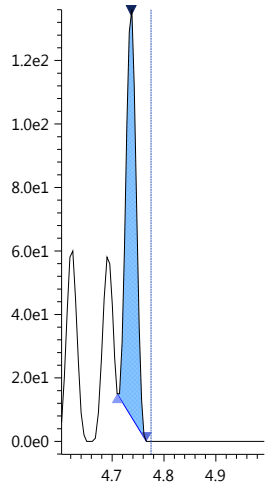
PFOS-13C
Conc ----
RT ---- Area ----
Q 502.80>80.05 (-) 0.00e0



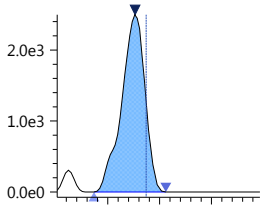
PFNA-13C_IS
Conc 5.0000
RT 4.737 Area 177
ISTD 467.80>423.00 (-) 1.36e2



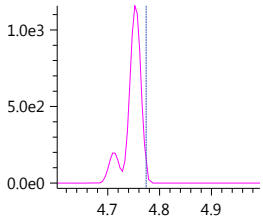
PFNA-13C
Conc 0.7193
RT 4.737 Area 177
Q 467.80>423.00 (-) 1.36e2



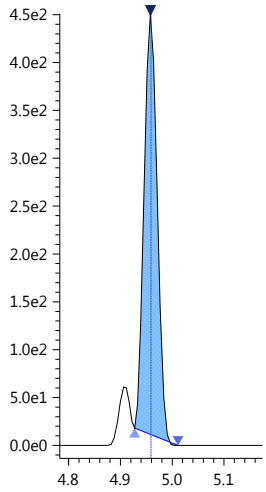
PFNA
Conc 248.5760
RT 4.753 Area 7874
R#1 50.36 (0.00)
Q 463.00>418.90 (-) 2.50e3



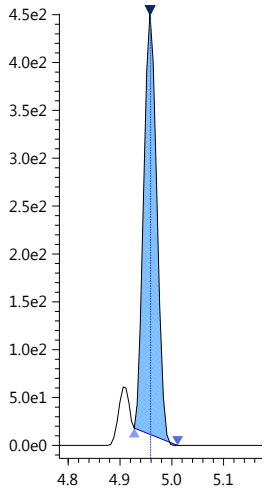
R1 463.00>219.00 (-) 1.16e3



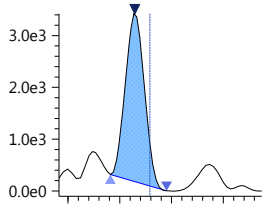
PFDA-13C_IS
Conc 5.0000
RT 4.958 Area 770
ISTD 514.80>469.95 (-) 4.51e2



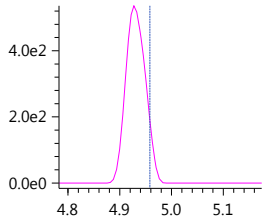
PFDA-13C
Conc 3.3340
RT 4.958 Area 770
Q 514.80>469.95 (-) 4.51e2



PFDA
Conc 53.1841
RT 4.929 Area 8332
R#1 15.60 (0.00)
Q 513.00>468.80 (-) 3.42e3



R1 513.00>219.10 (-) 5.36e2



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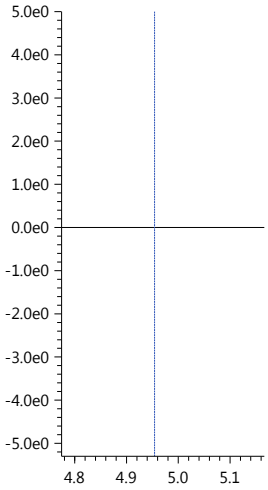
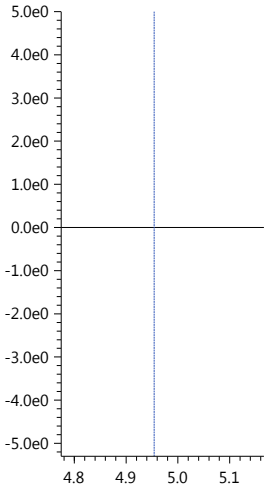
8_2-FTS-13C_IS
Conc ----
RT ---- Area ----

ISTD 528.80>509.00 (-) 0.00e0



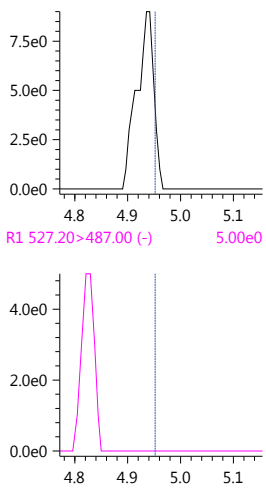
8_2-FTS-13C
Conc ----
RT ---- Area ----

Q 528.80>509.00 (-) 0.00e0



8_2-FTS_1
Conc ----
RT ---- Area ----
R#1 ---- (0.00)

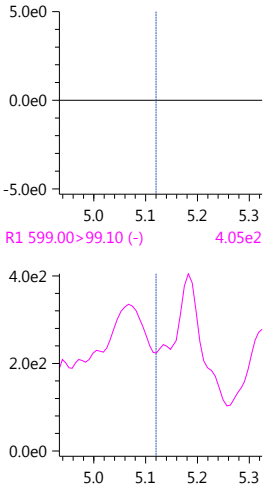
Q 527.10>506.90 (-) 9.00e0



R1 527.20>487.00 (-) 5.00e0

PFDS_1
Conc ----
RT ---- Area ----
R#1 ---- (0.00)

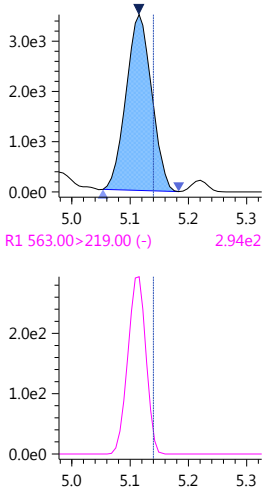
Q 599.00>79.90 (-) 0.00e0



R1 599.00>99.10 (-) 4.05e2

PFUnA
Conc 79.2992
RT 5.115 Area 10691
R#1 8.60 (0.00)

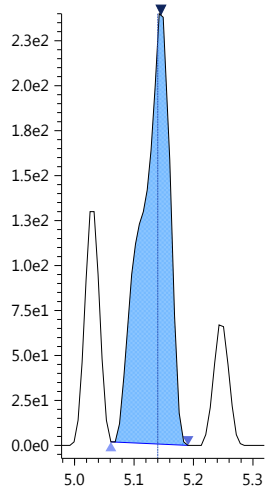
Q 563.00>518.90 (-) 3.53e3



R1 563.00>219.00 (-) 2.94e2

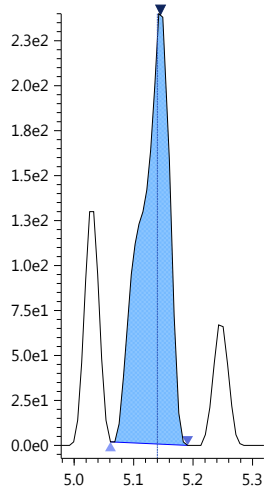
PFUnA-13C_IS
Conc 5.0000
RT 5.145 Area 785

ISTD 564.80>519.95 (-) 2.40e2



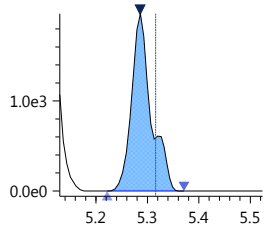
PFUnA-13C
Conc 4.1364
RT 5.145 Area 785

Q 564.80>519.95 (-) 2.40e2

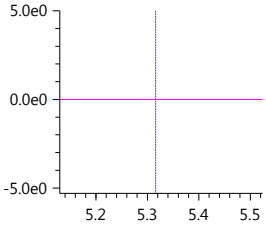


PFDoA
Conc 39.0845
RT 5.286 Area 5204
R#1 0.00 (0.00)

Q 613.05>569.00 (-) 1.97e3

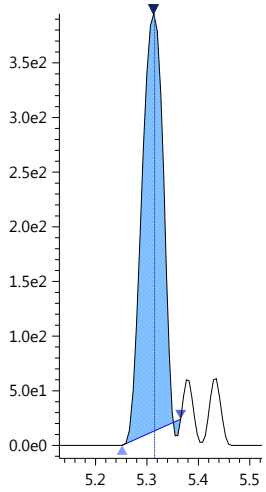


R1 613.05>169.00 (-) 0.00e0



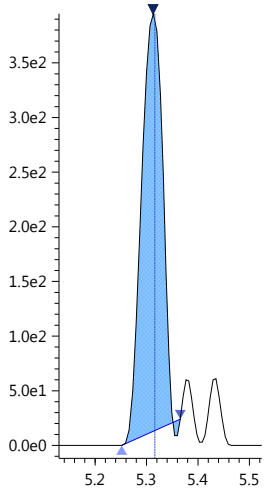
PFDoA-13C
Conc 4.0643
RT 5.313 Area 1084

Q 614.80>569.95 (-) 3.95e2



PFDoA-13C_IS
Conc 5.0000
RT 5.313 Area 1084

ISTD 614.80>569.95 (-) 3.95e2



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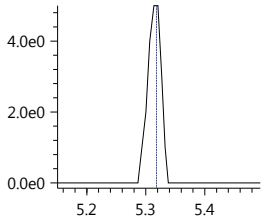
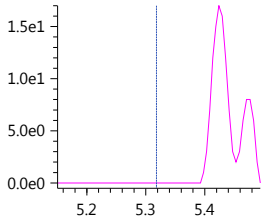
10_2-FtS_1

Conc ----
RT ---- Area ----
R#1 ---- (0.00)

Q 627.00>606.95 (-) 5.00e0



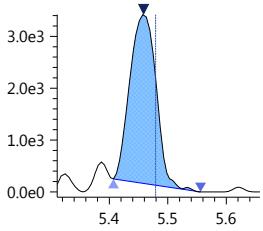
R1 627.00>81.25 (-) 1.70e1



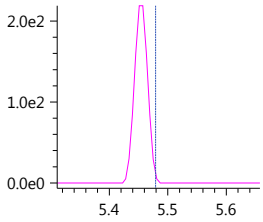
PFTrDA

Conc 94.9869
RT 5.459 Area 10149
R#1 4.97 (0.00)

Q 663.00>618.90 (-) 3.42e3



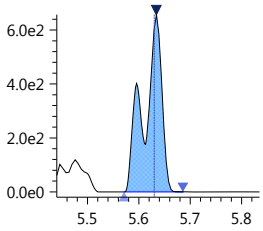
R1 662.90>169.00 (-) 2.19e2



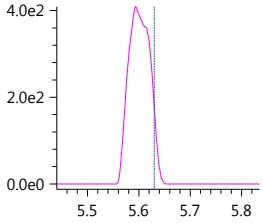
PFTeDA

Conc 41.5453
RT 5.634 Area 1571
R#1 9.30 (0.00)

Q 713.40>669.00 (-) 6.57e2



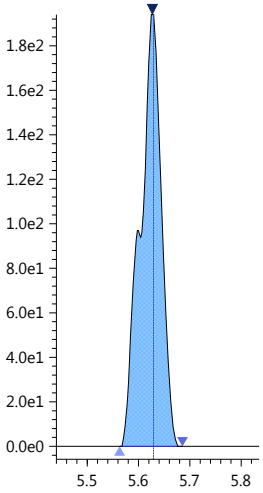
R1 713.40>169.10 (-) 4.09e2



PFTeDA-13C

Conc 2.7309
RT 5.627 Area 555

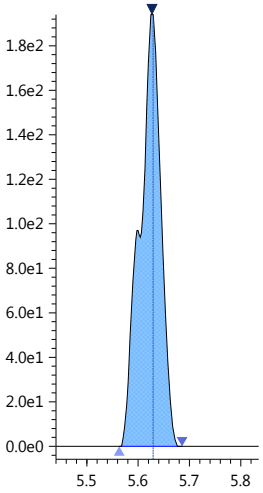
Q 714.70>669.90 (-) 1.94e2



PFTeDA-13C_IS

Conc 5.0000
RT 5.627 Area 555

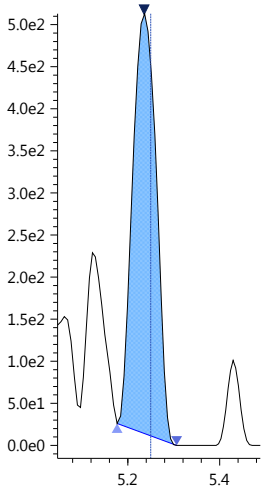
ISTD 714.70>669.90 (-) 1.94e2



FOSA-13C_IS

Conc 5.0000
RT 5.235 Area 1789

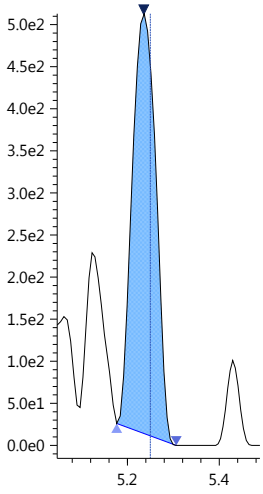
ISTD 506.00>78.05 (-) 5.13e2



FOSA-13C

Conc 12.6513
RT 5.235 Area 1789

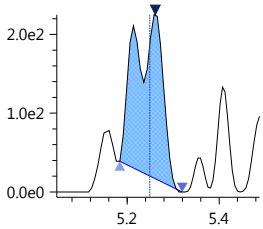
Q 506.00>78.05 (-) 5.13e2



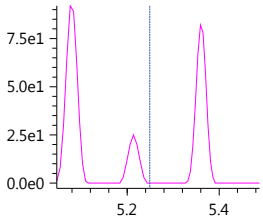
FOSA

Conc 1.9169
RT 5.261 Area 878
R#1 0.00 (0.00)

Q 498.20>78.00 (-) 2.25e2



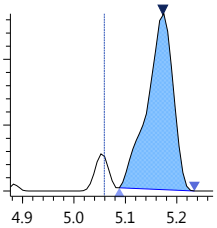
R1 498.20>64.10 (-) 9.20e1



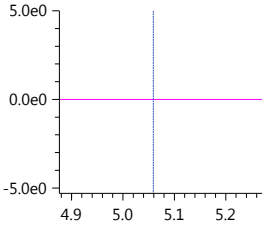
N-MeFOSAA

Conc 48.7639
RT 5.173 Area 9405
R#1 0.00 (0.00)

Q 570.20>419.00 (-) 2.69e3



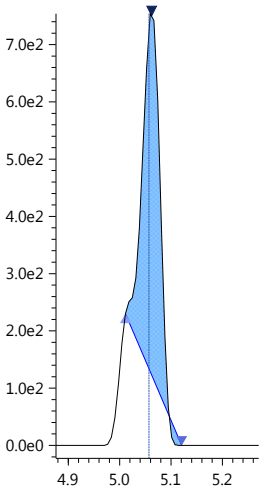
R1 570.20>512.00 (-) 0.00e0



N-MeFOSAA-d3

Conc 50.8454
RT 5.062 Area 1453

Q 572.80>419.05 (-) 7.54e2



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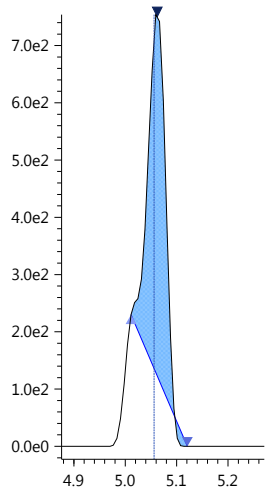
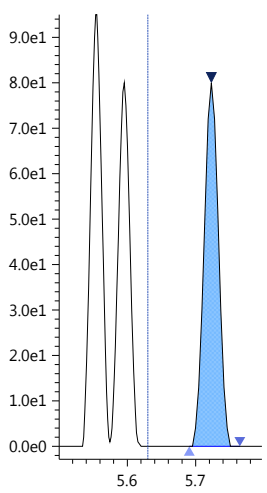
N-MeFOSAA-d3_IS
Conc 5.0000
RT 5.062 Area 1453

ISTD 572.80>419.05 (-) 7.54e2



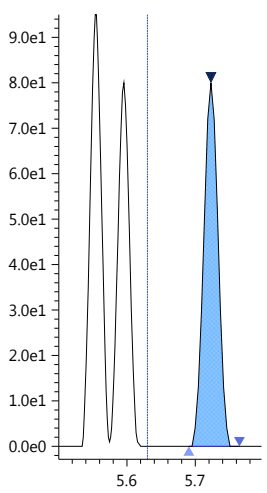
N-MeFOSA-d3_IS
Conc 5.0000
RT 5.723 Area 117

ISTD 514.90>168.90 (-) 9.50e1



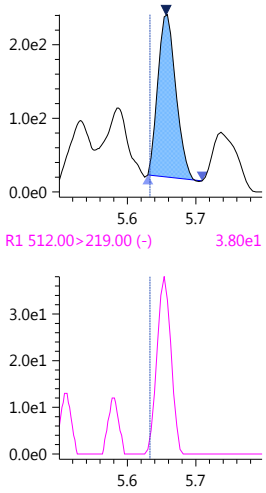
N-MeFOSA-d3
Conc 2.7342
RT 5.723 Area 117

Q 514.90>168.90 (-) 9.50e1



N-MeFOSA
Conc 10.1592
RT 5.656 Area 405
R#1 17.94 (0.00)

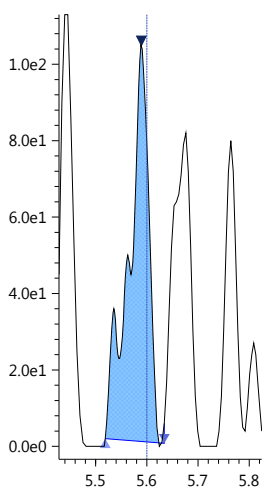
Q 512.00>169.10 (-) 2.41e2



R1 512.00>219.00 (-) 3.80e1

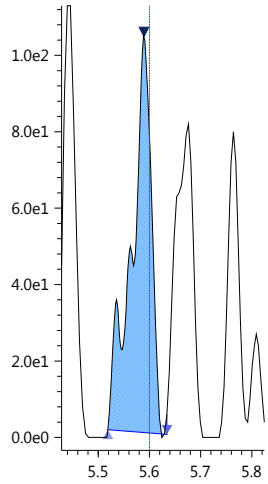
N-MeFOSE-d7
Conc 4.5528
RT 5.589 Area 280

Q 622.70>59.10 (-) 1.13e2



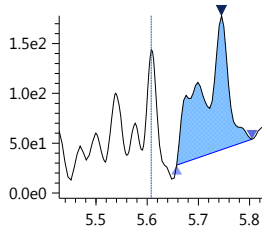
N-MeFOSE-d7_IS
Conc 5.0000
RT 5.589 Area 280

ISTD 622.70>59.10 (-) 1.13e2

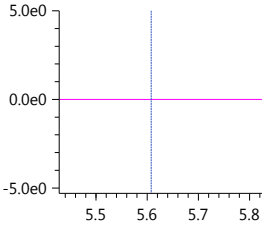


N-MeFOSE
Conc 7.1281
RT 5.745 Area 478
R#1 0.00 (0.00)

Q 616.00>59.00 (-) 1.78e2

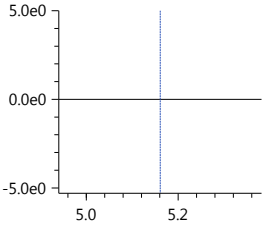


R1 556.00>121.20 (-) 0.00e0

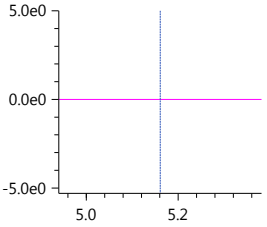


N-EtFOSAA
Conc ----
RT ---- Area ----
R#1 ---- (0.00)

Q 584.20>418.95 (-) 0.00e0

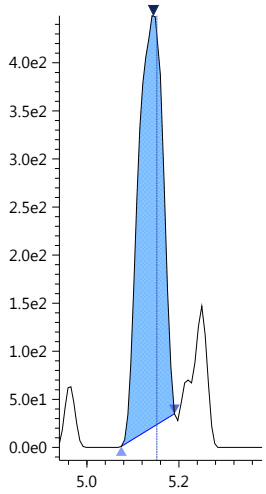


R1 584.20>526.10 (-) 0.00e0



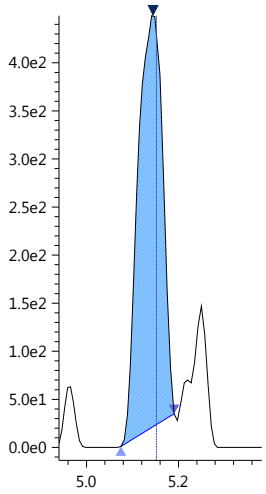
N-EtFOSAA-d5_IS
Conc 5.0000
RT 5.145 Area 1606

ISTD 588.80>419.00 (-) 4.49e2



N-EtFOSAA-d5
Conc 63.7885
RT 5.145 Area 1606

Q 588.80>419.00 (-) 4.49e2



Insight Report

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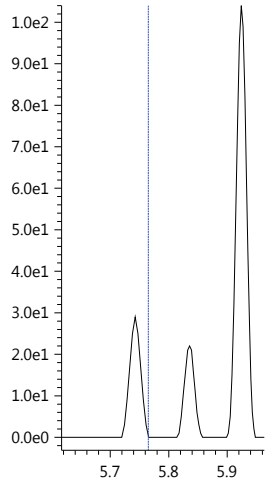
N-EtFOSA-d9_IS

Conc ----
RT ---- Area ----

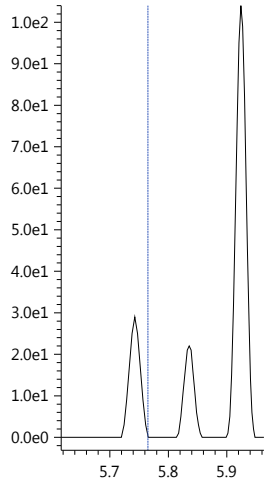
ISTD 530.90>169.15 (-) 1.04e2



N-EtFOSA-d9

Conc ----
RT ---- Area ----

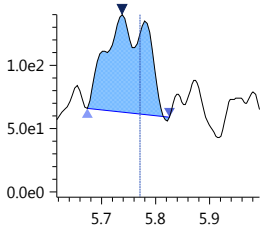
Q 530.90>169.15 (-) 1.04e2



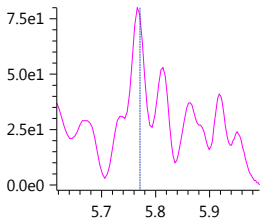
N-EtFOSA

Conc 0.0000
RT 5.738 Area 408
R#1 6.32 (0.00)

Q 526.90>169.10 (-) 1.40e2



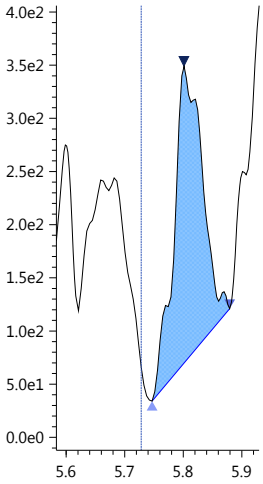
R1 526.90>219.00 (-) 8.00e1



N-EtFOSE-d9_IS

Conc 5.0000
RT 5.801 Area 931

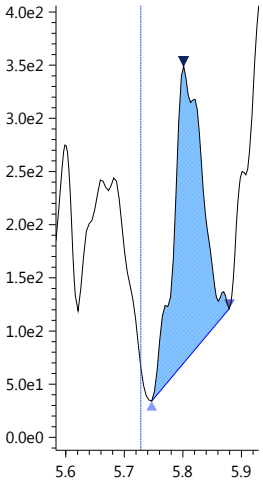
ISTD 638.70>59.10 (-) 4.06e2



N-EtFOSE-d9

Conc 18.4687
RT 5.801 Area 931

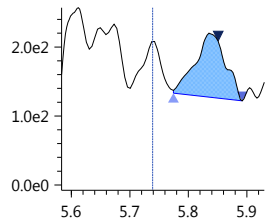
Q 638.70>59.10 (-) 4.06e2



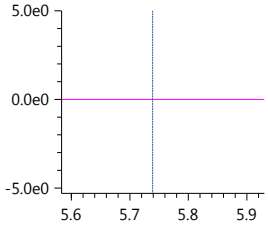
N-EtFOSE

Conc 1.3777
RT 5.851 Area 335
R#1 0.00 (0.00)

Q 630.00>58.90 (-) 2.57e2



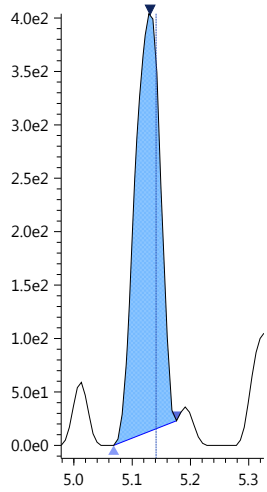
R1 570.00>136.10 (-) 0.00e0



13C7-PFUnDA_IS

Conc 5.0000
RT 5.131 Area 1196

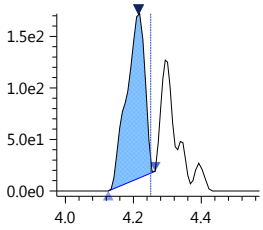
ISTD 570.00>525.00 (-) 4.04e2



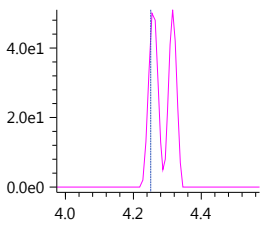
PFPeS

Conc 18.0013
RT 4.215 Area 601
R#1 0.00 (0.00)

Q 349.00>99.00 (-) 1.72e2



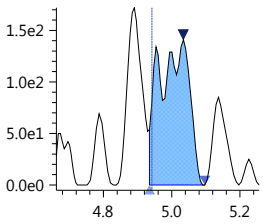
R1 349.00>79.95 (-) 5.10e1



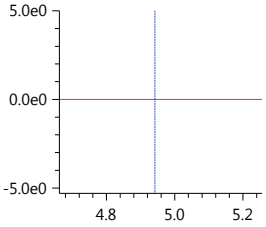
PFNS

Conc 0.0000
RT 5.034 Area 879
R#1 0.00 (0.00)

Q 549.00>99.00 (-) 1.72e2



R1 549.00>79.95 (-) 0.00e0



Insight Report

Printed at 6/19/2019 8:39:19 AM

190618_038

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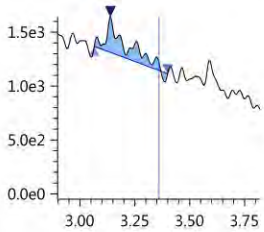
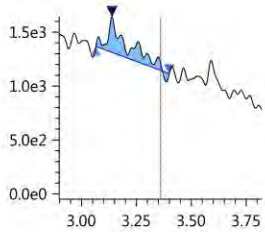
Date acquired: 6/18/2019 5:18:11 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190618_b1\190618_038.lcd
Vial: 9 | Inj. Volume: 15.0000uL | Tray: 0

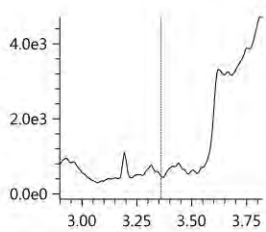
PFBA-13C_IS
Conc 5.0000
RT 3.139 Area 1908
ISTD 216.90>172.15 (-) 1.64e3



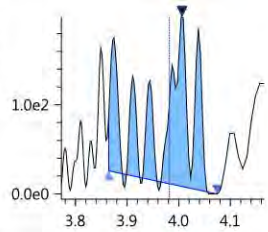
PFBA-13C
Conc 8.3595
RT 3.139 Area 1908
Q 216.90>172.15 (-) 1.64e3



PFBA
Conc ----
RT ---- Area ----
Q 213.00>169.10 (-) 4.73e3



PFPeA-13C_IS
Conc 5.0000
RT 4.006 Area 848
ISTD 267.90>223.00 (-) 1.99e2



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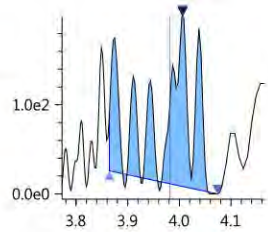
Conc 6.1332
RT 4.006 Area 848
Q 267.90>223.00 (-) 1.99e2



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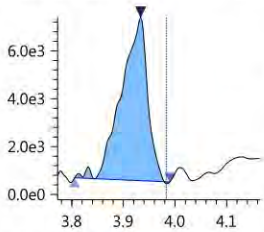
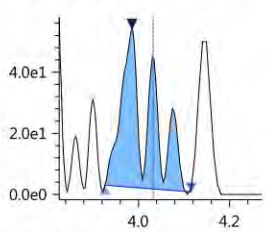
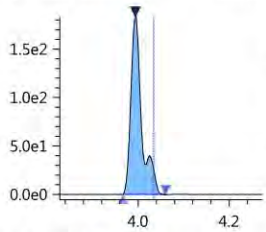
Conc 37.6473
RT 3.933 Area 24293
Q 263.05>219.10 (-) 7.41e3



PFBS_1
Conc 3.1444
RT 3.986 Area 224
Q 299.00>80.00 (-) 5.80e1



PFBS-13C
Conc 3.6372
RT 3.994 Area 304
Q 301.80>80.00 (-) 1.83e2



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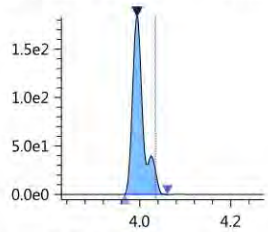
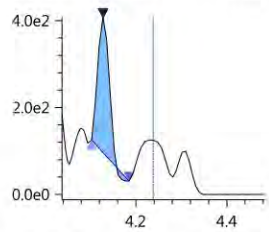
RT 3.994 Area 304
ISTD 301.80>80.00 (-) 1.83e2



PFHxA-13C_IS
Conc 5.0000
RT 4.128 Area 522
ISTD 314.90>270.10 (-) 4.08e2



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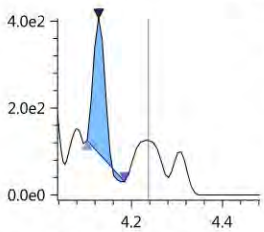
Conc 1.6734
RT 4.128 Area 522
Q 314.90>270.10 (-) 4.08e2



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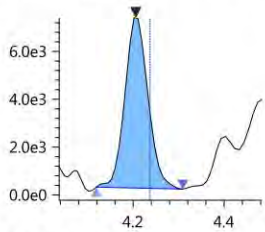
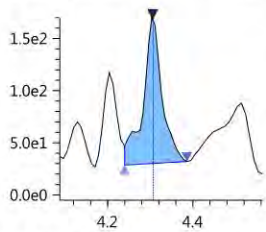
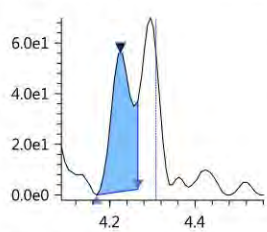
RT 4.206 Area 25344
Q 313.00>269.00 (-) 7.41e3



HPFO_DA
Conc 10.7003
RT 4.306 Area 431
Q 329.00>169.00 (-) 1.70e2



HFPO_DA-13C_IS
Conc 5.0000
RT 4.225 Area 185
ISTD 332.00>286.80 (-) 7.00e1



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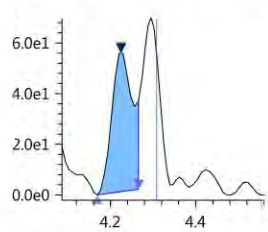
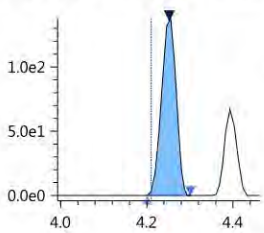
Conc 2.9534
RT 4.225 Area 185
Q 332.00>286.80 (-) 7.00e1



4_2-FTS-13C_IS
Conc 5.0000
RT 4.252 Area 326
ISTD 328.80>309.05 (-) 1.38e2



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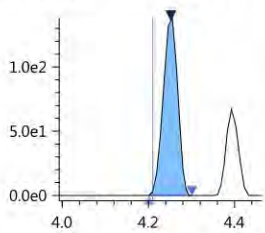
Conc 8.3985
RT 4.252 Area 326
Q 328.80>309.05 (-) 1.38e2



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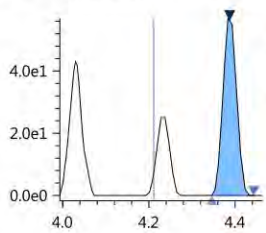
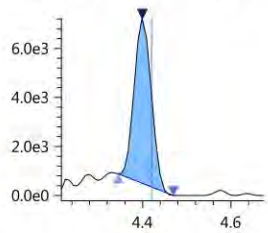
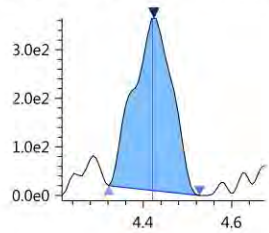
Conc 1.7574
RT 4.387 Area 127
Q 327.00>307.05 (-) 5.70e1



PFHpA
Conc 41.4516
RT 4.400 Area 18186
Q 362.90>319.00 (-) 7.23e3



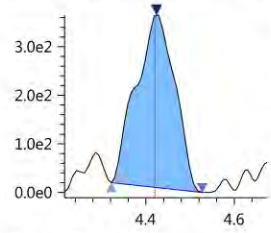
PFHpA-13C_IS
Conc 5.0000
RT 4.424 Area 2181
ISTD 366.90>322.10 (-) 3.65e2



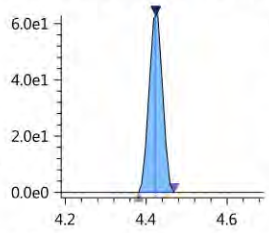
Insight Report

Printed at 6/19/2019 8:39:19 AM

PFHpA-13C
Conc 7.2104
RT 4.424 Area 2181
Q 366.90>322.10 (-) 3.65e2



PFHxS-18O_IS
Conc 5.0000
RT 4.424 Area 148
ISTD 402.70>84.05 (-) 6.30e1



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Conc 3.4439
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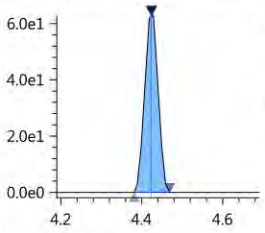
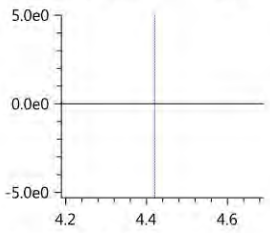
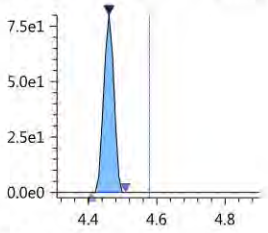
Q 402.70>84.05 (-) 6.30e1



PFHxS_1
Conc ----
RT ---- Area ----
Q 399.00>80.00 (-) 0.00e0



6_2-FTS-13C
Conc 5.5487
RT 4.460 Area 168
Q 428.90>409.00 (-) 8.00e1



6_2-FTS-13C_IS
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RT 4.460 Area 168
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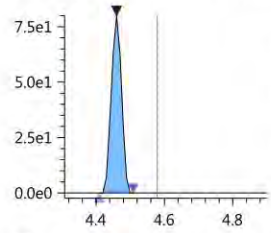
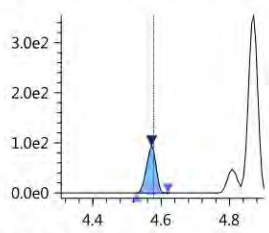
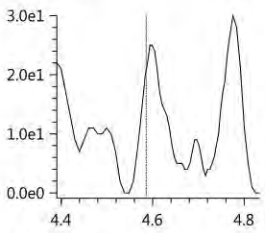


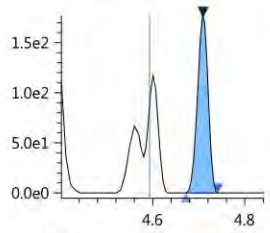
6_2-FTS_1
Conc 4.3342
RT 4.572 Area 180
Q 427.00>407.00 (-) 3.54e2



PFHpS_1
Conc ----
RT ---- Area ----
Q 449.00>80.15 (-) 3.00e1



PFOA-13C_IS
Conc 5.0000
RT 4.709 Area 285
ISTD 416.80>372.05 (-) 1.77e2



PFOA-13C
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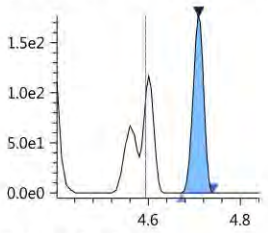
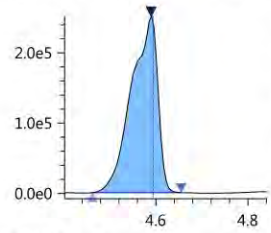
RT 4.709 Area 285
Q 416.80>372.05 (-) 1.77e2



PFOA
Conc 17807.5423
RT 4.590 Area 1005359
Q 413.00>369.00 (-) 2.52e5



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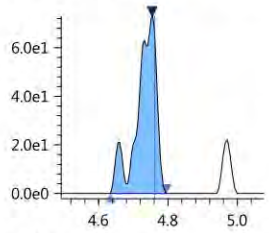
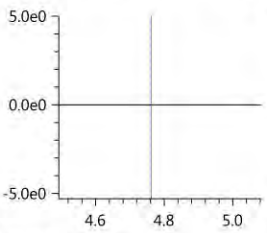
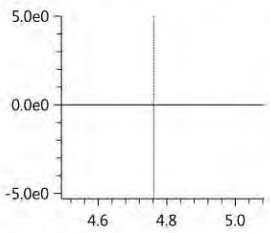
Conc 0.0000
RT 4.754 Area 282
Q 499.00>80.00 (-) 7.30e1



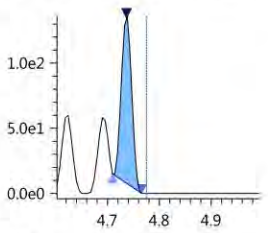
PFOS-13C_IS
Conc ----
RT ---- Area ----
ISTD 502.80>80.05 (-) 0.00e0



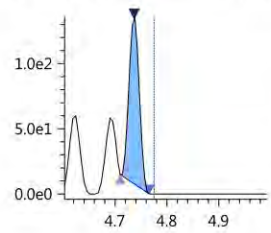
PFOS-13C
Conc ----
RT ---- Area ----
Q 502.80>80.05 (-) 0.00e0



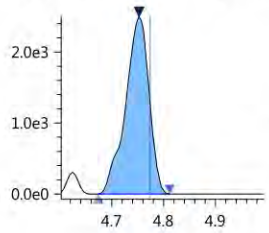
PFNA-13C_IS
Conc 5.0000
RT 4.737 Area 177
ISTD 467.80>423.00 (-) 1.36e2



PFNA-13C
Conc 0.7216
RT 4.737 Area 177
Q 467.80>423.00 (-) 1.36e2



PFNA
Conc 224.4331
RT 4.753 Area 7874
Q 463.00>418.90 (-) 2.50e3



PFDA-13C_IS
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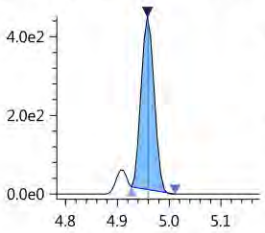
RT 4.958 Area 770
ISTD 514.80>469.95 (-) 4.51e2



PFDA-13C
Conc 3.3340
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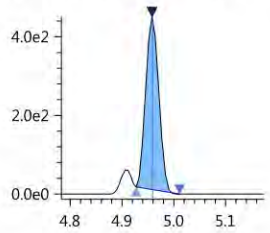
Q 514.80>469.95 (-) 4.51e2



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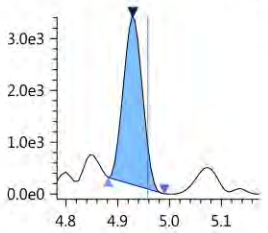
Conc 53.1841
RT 4.929 Area 8332
Q 513.00>468.80 (-) 3.42e3



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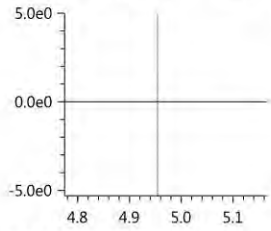
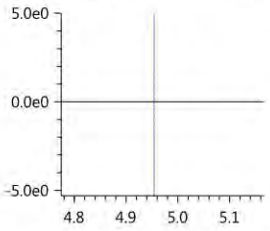
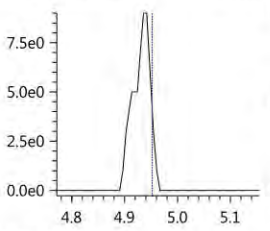
8_2-FTS-13C_IS
Conc ----
RT ---- Area ----
ISTD 528.80>509.00 (-) 0.00e0



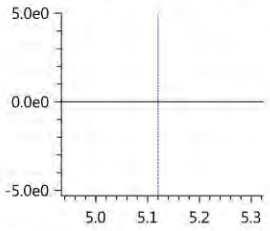
8_2-FTS-13C
Conc ----
RT ---- Area ----
Q 528.80>509.00 (-) 0.00e0



8_2-FTS_1
Conc ----
RT ---- Area ----
Q 527.10>506.90 (-) 9.00e0



PFDS_1
Conc ----
RT ---- Area ----
Q 599.00>79.90 (-) 0.00e0



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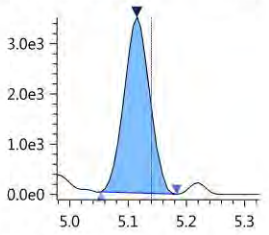
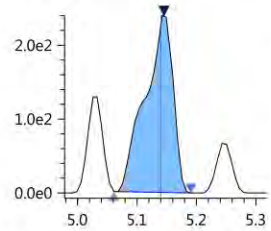
Conc 68.5208
RT 5.115 Area 10691
Q 563.00>518.90 (-) 3.53e3



PFUnA-13C_IS
Conc 5.0000
RT 5.145 Area 785
ISTD 564.80>519.95 (-) 2.40e2



PFUnA-13C
Conc 4.1364
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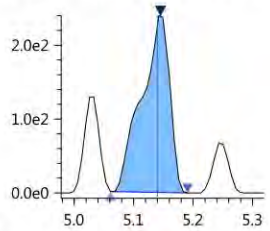
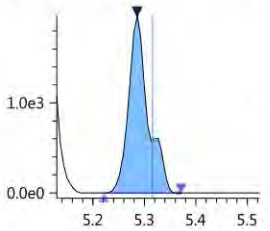
Q 564.80>519.95 (-) 2.40e2



PFDoA
Conc 36.5573
RT 5.286 Area 5204
Q 613.05>569.00 (-) 1.97e3



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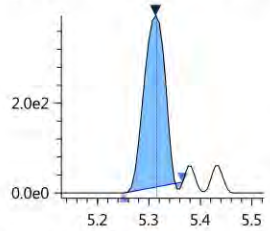
Conc 4.0643
RT 5.313 Area 1084
Q 614.80>569.95 (-) 3.95e2



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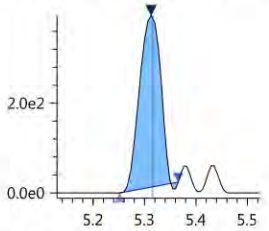
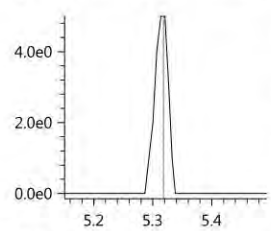
RT 5.313 Area 1084
ISTD 614.80>569.95 (-) 3.95e2



10_2-FtS_1
Conc ----
RT ---- Area ----
Q 627.00>606.95 (-) 5.00e0



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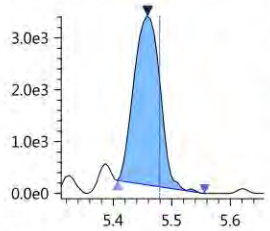
Conc 91.3350
RT 5.459 Area 10149
Q 663.00>618.90 (-) 3.42e3



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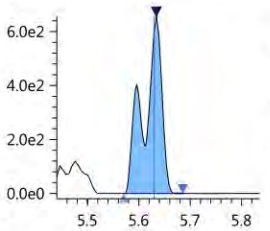
Conc 24.4692
RT 5.634 Area 1571
Q 713.40>669.00 (-) 6.57e2



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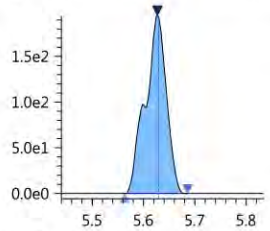
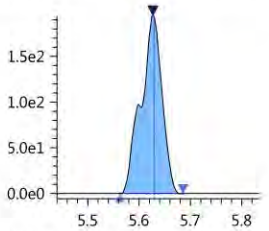
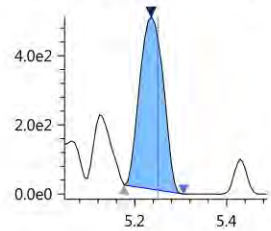
Conc 2.7309
RT 5.627 Area 555
Q 714.70>669.90 (-) 1.94e2



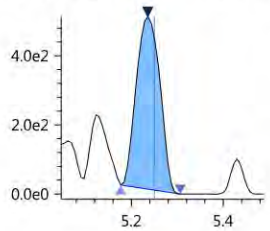
PFTeDA-13C_IS
Conc 5.0000
RT 5.627 Area 555
ISTD 714.70>669.90 (-) 1.94e2



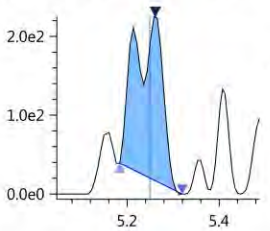
FOSA-13C_IS
Conc 5.0000
RT 5.235 Area 1789
ISTD 506.00>78.05 (-) 5.13e2



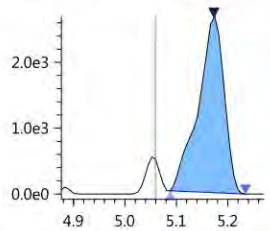
FOSA-13C
Conc 12.6513
RT 5.235 Area 1789
Q 506.00>78.05 (-) 5.13e2



FOSA
Conc 1.9169
RT 5.261 Area 878
Q 498.20>78.00 (-) 2.25e2



N-MeFOSAA
Conc 46.7420
RT 5.173 Area 9405
Q 570.20>419.00 (-) 2.69e3



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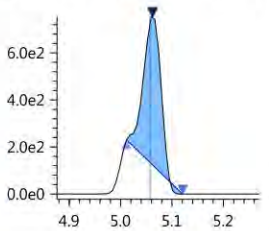
Q 572.80>419.05 (-) 7.54e2



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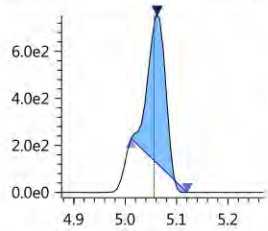
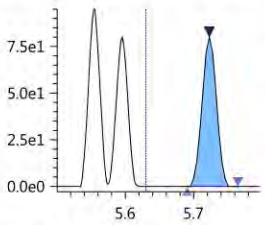
N-MeFOSAA-d3_IS
Conc 5.0000
RT 5.062 Area 1453
ISTD 572.80>419.05 (-) 7.54e2



N-MeFOSA-d3_IS
Conc 5.0000
RT 5.723 Area 117
ISTD 514.90>168.90 (-) 9.50e1



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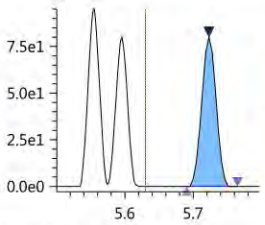
Conc 2.7342
RT 5.723 Area 117
Q 514.90>168.90 (-) 9.50e1



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Conc 10.2232
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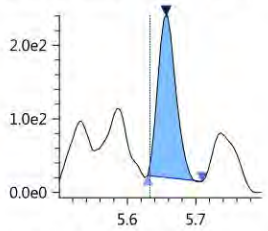
Q 512.00>169.10 (-) 2.41e2



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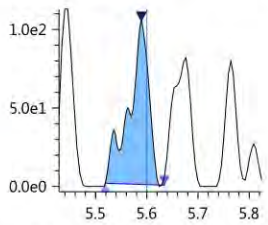
Conc 4.5528
RT 5.589 Area 280
Q 622.70>59.10 (-) 1.13e2



N-MeFOSE-d7_IS
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RT 5.589 Area 280
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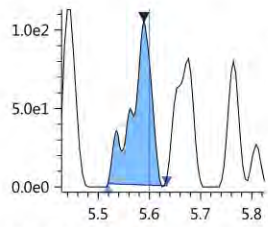
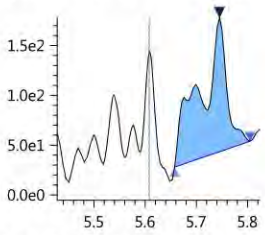
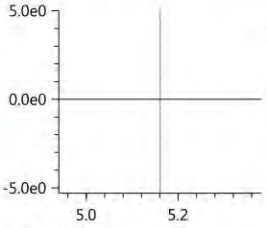


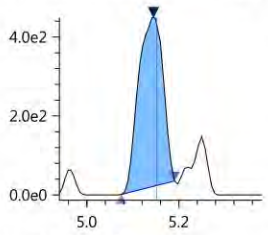
N-MeFOSE
Conc 7.1281
RT 5.745 Area 478
Q 616.00>59.00 (-) 1.78e2



N-EtFOSAA
Conc ----
RT ---- Area ----
Q 584.20>418.95 (-) 0.00e0



N-EtFOSAA-d5_IS
Conc 5.0000
RT 5.145 Area 1606
ISTD 588.80>419.00 (-) 4.49e2



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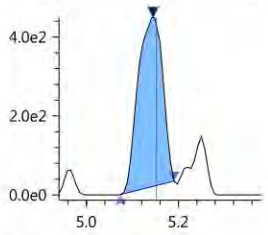
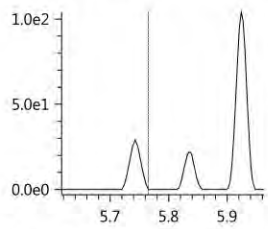
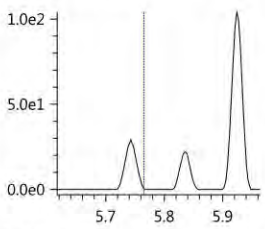
Conc 63.7885
RT 5.145 Area 1606
Q 588.80>419.00 (-) 4.49e2



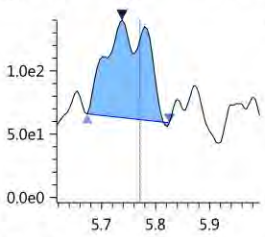
N-EtFOSA-d9_IS
Conc ----
RT ---- Area ----
ISTD 530.90>169.15 (-) 1.04e2



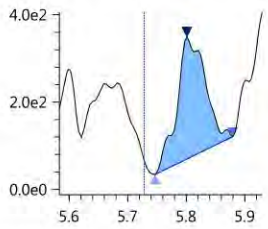
N-EtFOSA-d9
Conc ----
RT ---- Area ----
Q 530.90>169.15 (-) 1.04e2



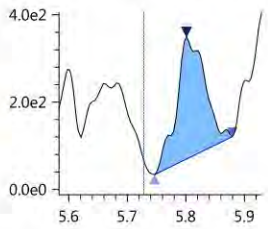
N-EtFOSA
Conc 0.0000
RT 5.738 Area 408
Q 526.90>169.10 (-) 1.40e2



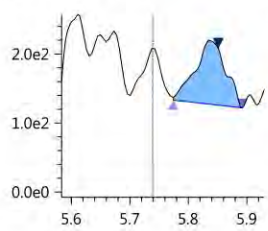
N-EtFOSE-d9_IS
Conc 5.0000
RT 5.801 Area 931
ISTD 638.70>59.10 (-) 4.06e2



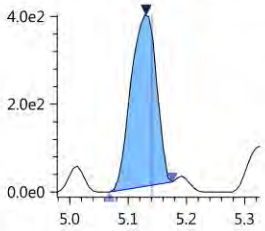
N-EtFOSE-d9
Conc 18.4687
RT 5.801 Area 931
Q 638.70>59.10 (-) 4.06e2



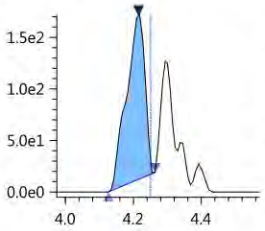
N-EtFOSE
Conc 1.3777
RT 5.851 Area 335
Q 630.00>58.90 (-) 2.57e2



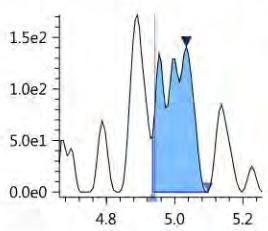
13C7-PFUnDA_IS
Conc 5.0000
RT 5.131 Area 1196
ISTD 570.00>525.00 (-) 4.04e2



PFPeS
Conc 18.0013
RT 4.215 Area 601
Q 349.00>99.00 (-) 1.72e2



PFNS
Conc 0.0000
RT 5.034 Area 879
Q 549.00>99.00 (-) 1.72e2



190624_curve

ICAL Date: 6/18/2019
Std. xp: 6/25/2019 (ICV)
ICAL ID: KC1900243
LIMS ID:

t Review: Cmuller
id Review: JUN 25 2019
olumn: LCMS06 -Shimadzu 8050
lobile Phases Phenomenex EVO-C18 100X4.6 mm S/N: H19-154756
A: 5mM Ammonium Acetate in H2O 19-OLC-02-36G **B:** 5mM Ammonium Acetate In MeOH 19-OLC-02-36H

	Sample Name		File Name	Acquisition Method	Dilution	R	
1	0.05 PPB ICAL	19-OLC-02-26E	190621_022	PFAS_190509_30_CM.lcm	1x	☒	
2	0.10 PPB ICAL	19-OLC-02-26F	190621_023	PFAS_190509_30_CM.lcm	1x	☒	
3	0.50 PPB ICAL	19-OLC-02-26G	190621_024	PFAS_190509_30_CM.lcm	1x	☒	
4	1.0 PPB ICAL	19-OLC-02-26H	190621_025	PFAS_190509_30_CM.lcm	1x	☒	
5	5.0 PPB ICAL	19-OLC-02-26I	190621_026	PFAS_190509_30_CM.lcm	1x	☒	
6	10.0 PPB ICAL	19-OLC-02-26J	190621_027	PFAS_190509_30_CM.lcm	1x	☒	
7	15.0 PPB ICAL	19-OLC-02-26K	190621_028	PFAS_190509_30_CM.lcm	1x	☒	
8	IB	19-OLC-01-34I	190621_029	PFAS_190509_30_CM.lcm	1x	☒	
9	1.0 PPB ICV	19-OLC-02-26L	190621_030	PFAS_190509_30_CM.lcm	1x	☒	
10	IB	19-OLC-01-34I	190621_031	PFAS_190509_30_CM.lcm	1x	☒	
11	T-PFOA	19-OLC-01-35A	190621_032	PFAS_190509_30_CM.lcm	1x	☒	

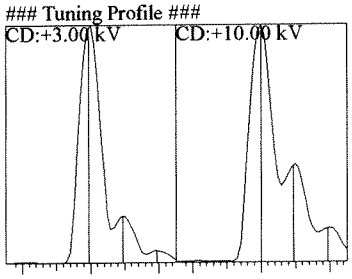
J:\LCMS06\Data\190624_curve\190624_curve inject log

Sample Information
Sample Type: PEG+PPG+Raffinose

Tuning Condition
Detector Adjustment: Off
Resolution Adjustment: Off
FWHM of Spectrum: 0.70
Sensitivity Adjustment: Off
Mass Calibration: Off

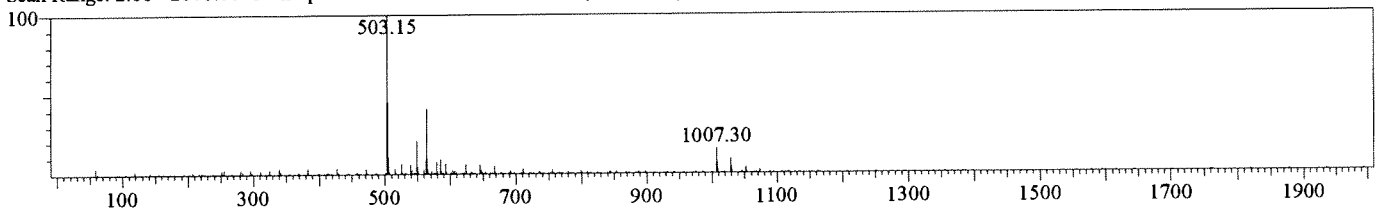
Tuning Result
Model: LCMS-8050
Interface: ESI
Polarity: Neg
Tuning Mode: Auto
Tuning Date: 6/24/2019 2:41:11 PM
Acquisition Mode: Q1 Scan(Use CID Gas)

Nebulizing Gas Flow: 1.50(settings : 1.50) L/min
Drying Gas Flow: 9.99(settings : 10.00) L/min
CID Gas Flow: 270(settings : 270) kPa
Interface Bias: -3.00 kV
Interface Current: 0.43 uA
DL Temp.: 250(settings : 250) C
Heat Block Temp.: 399(settings : 400) C
Q1 RF Gain: 5000
Q1 RF Offset: 5000
Q3 RF Gain: ---
Q3 RF Offset: ---
Q1 Post-rod Bias: 5.0 V
CID CELL Exit Lens: 3.5 V
Conversion Dynode: +10.00 kV
Detector: -2.08(-2.08) kV
PG Vacuum: 1.4e+002 Pa
IG Vacuum: 2.1e-003 Pa

Tuning Profile


Int.: 10718342 FWHM: 0.72 m/z : 503.15 Mag.: 1
Int.: 3132670 FWHM: 0.77 m/z : 1007.30 Mag.: 6

Scan Range: 2.00 - 2000.00 Scan Speed: 30 u/s Base Peak: 503.15 (20000000)



m/z(Target)	m/z(Actual)	Difference	Width	Intensity
503.15	503.15	0.00	0.72	10718342
1007.30	1007.30	0.00	0.77	3132670

DL0.5
6/25/19

		Const	65.05	168.10	256.15	344.20	652.40	1004.60	1893.40
DL Bias	Const	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0
Qarray Bias	Const	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0
Qarray RF	Scan	+50.0	+34.8	+90.0	+90.0	+130.0	+130.0	+130.0	+130.0
Multipole RF	Scan	+100.0	+20.0	+60.0	+90.0	+120.0	+300.0	+300.0	+300.0
Multipole1 Bias	Const	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0
Multipole1 Lens	Const	+0.8	+0.8	+0.8	+0.8	+0.8	+0.8	+0.8	+0.8
Multipole2 Bias	Const	+0.8	+0.8	+0.8	+0.8	+0.8	+0.8	+0.8	+0.8
Multipole2 Lens	Const	+0.8	+0.8	+0.8	+0.8	+0.8	+0.8	+0.8	+0.8
Q1 Bias	Const	+3.5	+5.0	+5.0	+5.0	+5.0	+5.0	+5.0	+5.0
CC Lens1	Const	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0
CC Lens2	Const	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0
CC Lens3	Const	+20.0	+20.0	+20.0	+20.0	+20.0	+20.0	+20.0	+20.0

		Const	65.05	168.10	256.15	344.20	652.40	1004.60	1893.40
CC RF	Scan	+200.0	+70.0	+90.0	+130.0	+300.0	+300.0	+300.0	+300.0
CE	Scan	+15.0	+15.0	+15.0	+16.0	+17.0	+21.0	+25.0	+25.0
Q3 Bias	Scan	+15.0	+15.0	+15.0	+15.1	+15.2	+15.6	+16.0	+17.0

		Const	107.15	1071.50	1893.40
Q1 Pre Bias	Scan	+15.0	+5.0	+50.0	+50.0
Q3 Pre Bias	Scan	+15.0	+5.0	+50.0	+50.0

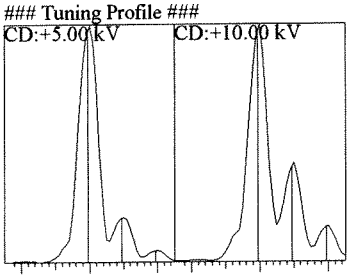
JUN 25 2019

Sample Information
Sample Type: PEG+PPG+Raffinose

Tuning Condition
Detector Adjustment: Off
Resolution Adjustment: Off
FWHM of Spectrum: 0.70
Sensitivity Adjustment: Off
Mass Calibration: Off

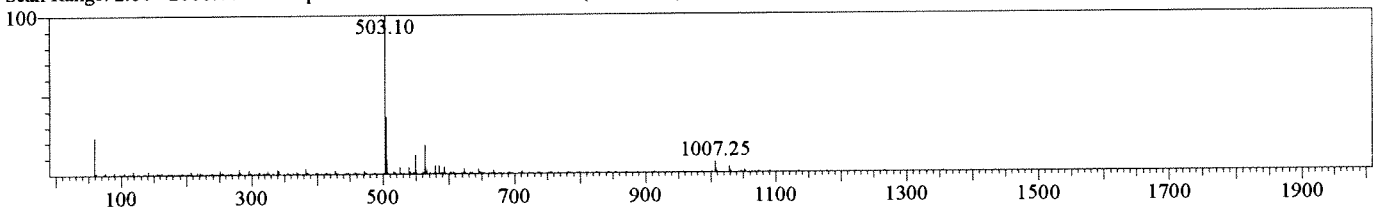
Tuning Result
Model: LCMS-8050
Interface: ESI
Polarity: Neg
Tuning Mode: Auto
Tuning Date: 6/24/2019 2:44:02 PM
Acquisition Mode: Q3 Scan(Use CID Gas)

Nebulizing Gas Flow: 1.50(settings : 1.50) L/min
Drying Gas Flow: 10.00(settings : 10.00) L/min
CID Gas Flow: 269(settings : 270) kPa
Interface Bias: -3.00 kV
Interface Current: 0.45 uA
DL Temp.: 250(settings : 250) C
Heat Block Temp.: 400(settings : 400) C
Q1 RF Gain: ---
Q1 RF Offset: ---
Q3 RF Gain: 5000
Q3 RF Offset: 5000
Q1 Post-rod Bias: 5.0 V
CID CELL Exit Lens: 3.5 V
Conversion Dynode: +10.00 kV
Detector: -2.08(-2.08) kV
PG Vacuum: 1.4e+002 Pa
IG Vacuum: 2.1e-003 Pa

Tuning Profile


Int.: 14742178 FWHM: 0.65 m/z : 503.15 Mag.: 1
Int.: 1254629 FWHM: 0.63 m/z : 1007.30 Mag.: 15

Scan Range: 2.00 - 2000.00 Scan Speed: 30 u/s Base Peak: 503.10 (20000000)



m/z(Target)	m/z(Actual)	Difference	Width	Intensity
503.15	503.10	-0.05	0.65	14742178
1007.30	1007.25	-0.05	0.63	1254629

0<0.5 am
6/25/19

		Const	65.05	168.10	256.15	344.20	652.40	1004.60	1893.40
DL Bias	Const	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0
Qarray Bias	Const	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0
Qarray RF	Scan	+50.0	+34.8	+90.0	+90.0	+130.0	+130.0	+130.0	+130.0
Multipole RF	Scan	+100.0	+20.0	+60.0	+90.0	+120.0	+300.0	+300.0	+300.0
Multipole1 Bias	Const	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0
Multipole1 Lens	Const	+0.8	+0.8	+0.8	+0.8	+0.8	+0.8	+0.8	+0.8
Multipole2 Bias	Const	+0.8	+0.8	+0.8	+0.8	+0.8	+0.8	+0.8	+0.8
Multipole2 Lens	Const	+0.8	+0.8	+0.8	+0.8	+0.8	+0.8	+0.8	+0.8
Q1 Bias	Const	+3.5	+5.0	+5.0	+5.0	+5.0	+5.0	+5.0	+5.0
CC Lens1	Const	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0
CC Lens2	Const	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0
CC Lens3	Const	+20.0	+20.0	+20.0	+20.0	+20.0	+20.0	+20.0	+20.0

		Const	65.05	168.10	256.15	344.20	652.40	1004.60	1893.40
CC RF	Scan	+200.0	+70.0	+90.0	+130.0	+300.0	+300.0	+300.0	+300.0
CE	Scan	+5.0	+5.0	+5.0	+5.0	+5.0	+5.0	+5.0	+5.0
Q3 Bias	Scan	+7.0	+7.0	+7.0	+7.1	+7.2	+7.6	+8.0	+9.0

		Const	107.15	1071.50	1893.40
Q1 Pre Bias	Scan	+15.0	+5.0	+50.0	+50.0
Q3 Pre Bias	Scan	+15.0	+5.0	+50.0	+50.0

JUN 2 5 2019

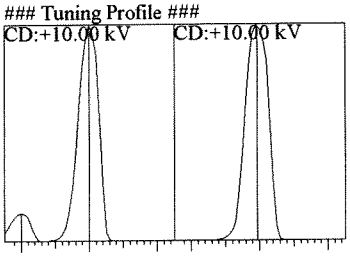
Sample Information
Sample Type: PEG+PPG+Raffinose

Tuning Condition
Detector Adjustment: Off
Resolution Adjustment: Off
FWHM of Spectrum: 0.70
Sensitivity Adjustment: Off
Mass Calibration: Off

Tuning Result
Model: LCMS-8050
Interface: ESI
Polarity: Neg
Tuning Mode: Auto
Tuning Date: 6/24/2019 2:45:31 PM
Acquisition Mode: Product Scan

Nebulizing Gas Flow: 1.50(settings : 1.50) L/min
Drying Gas Flow: 10.00(settings : 10.00) L/min
CID Gas Flow: 269(settings : 270) kPa
Interface Bias: -3.00 kV
Interface Current: 0.45 uA
DL Temp.: 249(settings : 250) C
Heat Block Temp.: 400(settings : 400) C
Q1 RF Gain: 5000
Q1 RF Offset: 5000
Q3 RF Gain: 5000
Q3 RF Offset: 4999
Q1 Post-rod Bias: 5.0 V
CID CELL Exit Lens: -0.7 V
Conversion Dynode: +10.00 kV
Detector: -2.08(-2.08) kV
PG Vacuum: 1.4e+002 Pa
IG Vacuum: 2.1e-003 Pa

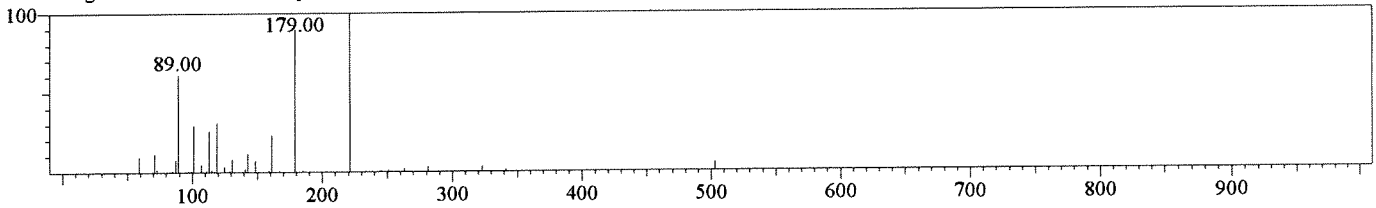
Tuning Profile



Int.: 2565125
FWHM: 0.68
m/z : 89.00
Pre m/z: 503.15
Mag.: 7

Int.: 3560211
FWHM: 0.79
m/z : 179.05
Pre m/z: 503.15
Mag.: 5

Scan Range: 2.00 - 553.15 Scan Speed: 30 u/s Base Peak: 221.00 (4251541) Pre m/z: 503.15



m/z(Target)	m/z(Actual)	Difference	Width	Intensity
503.15 > 89.00	89.00	0.00	0.68	2565125
503.15 > 179.05	179.00	-0.05	0.79	3560211

D < 0.5
cm
6125119

		Const	65.05	168.10	256.15	344.20	652.40	1004.60	1893.40
DL Bias	Const	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0
Qarray Bias	Const	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0
Qarray RF	Scan	+50.0	+34.8	+90.0	+90.0	+130.0	+130.0	+130.0	+130.0
Multipole RF	Scan	+100.0	+20.0	+60.0	+90.0	+120.0	+300.0	+300.0	+300.0
Multipole1 Bias	Const	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0
Multipole1 Lens	Const	+0.8	+0.8	+0.8	+0.8	+0.8	+0.8	+0.8	+0.8
Multipole2 Bias	Const	+0.8	+0.8	+0.8	+0.8	+0.8	+0.8	+0.8	+0.8
Multipole2 Lens	Const	+0.8	+0.8	+0.8	+0.8	+0.8	+0.8	+0.8	+0.8
Q1 Bias	Const	+3.5	+3.5	+3.5	+3.5	+3.5	+3.5	+3.5	+3.5
CC Lens1	Const	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0
CC Lens2	Const	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0
CC Lens3	Const	+20.0	+20.0	+20.0	+20.0	+20.0	+20.0	+20.0	+20.0

		Const	45.05	89.05	133.10	168.10	1893.40
CC RF	Scan	+100.0	+100.0	+100.0	+300.0	+300.0	+300.0
CE	Scan	+30.0	+30.0	+30.0	+30.0	+30.0	+30.0
Q3 Bias	Scan	+7.0	+7.0	+7.0	+7.0	+7.0	+9.0

		Const	107.15	1071.50	1893.40
Q1 Pre Bias	Scan	+15.0	+5.0	+50.0	+50.0
Q3 Pre Bias	Scan	+15.0	+5.0	+50.0	+50.0

JUN 2 5 2019

Insight Report

Printed at 6/25/2019 10:29:14 AM

Method File: J:\LCMS06\Data\190624_curve\190624_curve.lcm
Project File: J:\LCMS06\Data\190624_curve\190624_curve.damlp
Flags File: J:\LCMS06\Data\190624_curve\190624_curve.damlp

190621_022

Sample ID: 0.05 PPB ICAL
Date acquired: 6/24/2019 6:26:18 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190624_curve\190621_022.lcd
Vial: 28 | Inj. Volume: 15.0000uL | Tray: 1

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
PFBA-13C_IS	Auto	3.422	4022896	4022896	2	5.0000	ng/mL	5.0000
PFBA-13C	Auto	3.422	4022896	6738512	26	4.5929	ng/mL	5.0000
PFBA	Auto	3.424	43817	4022896	2	0.0532	ng/mL	0.0500
PFPeA-13C_IS	Auto	3.981	2425675	2425675	4	5.0000	ng/mL	5.0000
PFPeA-13C	Auto	3.981	2425675	6738512	26	4.6683	ng/mL	5.0000
PFPeA	Auto	3.981	205844	2425675	4	0.0464	ng/mL	0.0500
PFBS_1	M	4.032	14975	1410259	16	0.0485	ng/mL	0.0444
PFBS-13C	Auto	4.033	1410259	6738512	26	4.7100	ng/mL	5.0000
PFBS-13C_IS	Auto	4.033	1410259	1410259	16	5.0000	ng/mL	5.0000
PFHxA-13C_IS	Auto	4.238	6204594	6204594	6	5.0000	ng/mL	5.0000
PFHxA-13C	Auto	4.238	6204594	6738512	26	4.5575	ng/mL	5.0000
PFHxA	Auto	4.235	110751	6204594	6	0.0482	ng/mL	0.0500
HPFO_DA	M	4.307	13510	1206529	3	0.0575	ng/mL	0.0500
HFPO_DA-13C_IS	Auto	4.307	1206529	1206529	3	5.0000	ng/mL	5.0000
HFPO_DA-13C	Auto	4.307	1206529	6738512	26	4.3222	ng/mL	5.0000
4_2-FTS-13C_IS	Auto	4.210	1129489	1129489	5	5.0000	ng/mL	5.0000
4_2-FTS-13C	Auto	4.210	1129489	6738512	26	4.3450	ng/mL	5.0000
4_2-FTS_1	M	4.209	10209	1129489	5	0.0442	ng/mL	0.0469
PFHpA	Auto	4.418	89483	6547522	8	0.0486	ng/mL	0.0500
PFHpA-13C_IS	Auto	4.422	6547522	6547522	8	5.0000	ng/mL	5.0000
PFHpA-13C	Auto	4.422	6547522	6738512	26	5.5308	ng/mL	5.0000
PFHxS-18O_IS	Auto	4.422	731049	731049	7	5.0000	ng/mL	5.0000
PFHxS-18O	Auto	4.422	731049	6738512	26	5.3321	ng/mL	5.0000
PFHxS_1	Auto	4.420	11559	731049	7	0.0577	ng/mL	0.0457
6_2-FTS-13C	Auto	4.580	1070621	6738512	26	5.0954	ng/mL	5.0000
6_2-FTS-13C_IS	Auto	4.580	1070621	1070621	10	5.0000	ng/mL	5.0000
6_2-FTS_1	Auto	4.581	12404	1070621	10	0.0524	ng/mL	0.0476
PFHpS_1	M	4.586	11348	731049	7	0.0443	ng/mL	0.0477
PFOA-13C_IS	Auto	4.594	8513112	8513112	9	5.0000	ng/mL	5.0000
PFOA-13C	Auto	4.594	8513112	6738512	26	4.7753	ng/mL	5.0000
PFOA	Auto	4.592	107478	8513112	9	0.0501	ng/mL	0.0500
PFOS_1	Auto	4.761	6495	875161	13	0.0477	ng/mL	0.0465
PFOS-13C_IS	Auto	4.762	875161	875161	13	5.0000	ng/mL	5.0000
PFOS-13C	Auto	4.762	875161	6738512	26	4.6622	ng/mL	5.0000
PFNA-13C_IS	Auto	4.774	5341023	5341023	11	5.0000	ng/mL	5.0000
PFNA-13C	Auto	4.774	5341023	6738512	26	4.4416	ng/mL	5.0000
PFNA	M	4.770	60952	5341023	11	0.0465	ng/mL	0.0500
PFDA-13C_IS	Auto	4.958	5490416	5490416	12	5.0000	ng/mL	5.0000
PFDA-13C	Auto	4.958	5490416	6738512	26	4.8110	ng/mL	5.0000
PFDA	Auto	4.958	65243	5490416	12	0.0581	ng/mL	0.0500
8_2-FTS-13C_IS	Auto	4.953	672166	672166	15	5.0000	ng/mL	5.0000
8_2-FTS-13C	Auto	4.953	672166	6738512	26	4.9374	ng/mL	5.0000
8_2-FTS_1	Auto	4.952	6049	672166	15	0.0525	ng/mL	0.0480
PFDS_1	Auto	5.122	8598	875161	13	0.0571	ng/mL	0.0482
PFUnA	Auto	5.138	67959	5431142	14	0.0484	ng/mL	0.0500
PFUnA-13C_IS	Auto	5.140	5431142	5431142	14	5.0000	ng/mL	5.0000
PFUnA-13C	Auto	5.140	5431142	6738512	26	4.9255	ng/mL	5.0000
PFDoA	Auto	5.314	48598	7092052	17	0.0468	ng/mL	0.0500
PFDoA-13C	Auto	5.315	7092052	6738512	26	4.5693	ng/mL	5.0000
PFDoA-13C_IS	Auto	5.315	7092052	7092052	17	5.0000	ng/mL	5.0000
10_2-FtS_1	Auto	5.318	4183	672166	15	0.0505	ng/mL	0.0483
PFTrDA	Auto	5.477	66290	6547717	22	0.0479	ng/mL	0.0500
PFTeDA	Auto	5.627	85573	6547717	22	0.0486	ng/mL	0.0500
PFTeDA-13C	Auto	5.627	6547717	6738512	26	5.0756	ng/mL	5.0000
PFTeDA-13C_IS	Auto	5.627	6547717	6547717	22	5.0000	ng/mL	5.0000
FOSA-13C_IS	Auto	5.248	2062016	2062016	18	5.0000	ng/mL	5.0000
FOSA-13C	Auto	5.248	2062016	6738512	26	4.3493	ng/mL	5.0000
FOSA	Auto	5.249	30194	2062016	18	0.0552	ng/mL	0.0500
N-MeFOSAA	M	5.060	9869	1268089	19	0.0544	ng/mL	0.0500
N-MeFOSAA-d3	Auto	5.056	1268089	6738512	26	4.8383	ng/mL	5.0000
N-MeFOSAA-d3_IS	Auto	5.056	1268089	1268089	19	5.0000	ng/mL	5.0000
N-MeFOSA-d3_IS	Auto	5.629	740960	740960	1	5.0000	ng/mL	5.0000
N-MeFOSA-d3	Auto	5.629	740960	6738512	26	4.4896	ng/mL	5.0000
N-MeFOSA	Auto	5.630	13489	740960	1	0.0534	ng/mL	0.0500

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(Table continued from previous page)

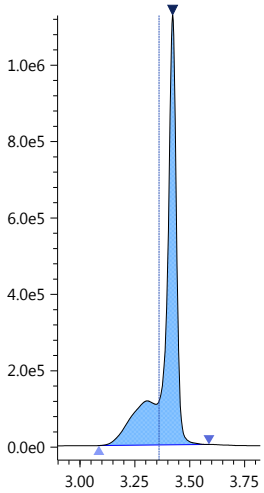
Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
N-MeFOSE-d7	Auto	5.600	1185062	6738512	26	4.5882	ng/mL	5.0000
N-MeFOSE-d7_IS	Auto	5.600	1185062	1185062	20	5.0000	ng/mL	5.0000
N-MeFOSE	Auto	5.607	15853	1185062	20	0.0534	ng/mL	0.0500
N-EtFOSAA	Auto	5.156	6331	1001234	21	0.0522	ng/mL	0.0500
N-EtFOSAA-d5_IS	Auto	5.153	1001234	1001234	21	5.0000	ng/mL	5.0000
N-EtFOSAA-d5	Auto	5.153	1001234	6738512	26	4.6907	ng/mL	5.0000
N-EtFOSA-d9_IS	Auto	5.763	1079596	1079596	23	5.0000	ng/mL	5.0000
N-EtFOSA-d9	Auto	5.763	1079596	6738512	26	4.4709	ng/mL	5.0000
N-EtFOSA	M	5.769	2693	1079596	23	0.0564	ng/mL	0.0500
N-EtFOSE-d9_IS	Auto	5.726	996276	996276	24	5.0000	ng/mL	5.0000
N-EtFOSE-d9	Auto	5.726	996276	6738512	26	4.3914	ng/mL	5.0000
N-EtFOSE	Auto	5.736	12923	996276	24	0.0535	ng/mL	0.0500
13C7-PFUnDA_IS	Auto	5.140	6738512	6738512	26	5.0000	ng/mL	5.0000
PFPeS	M	4.251	7458	1410259	16	0.0483	ng/mL	0.0470
PFNS	Auto	4.941	5220	875161	13	0.0463	ng/mL	0.0481

PFBA-13C_IS

Conc 5.0000

RT 3.422 Area 4022896

ISTD 216.90>172.15 (-) 1.13e6

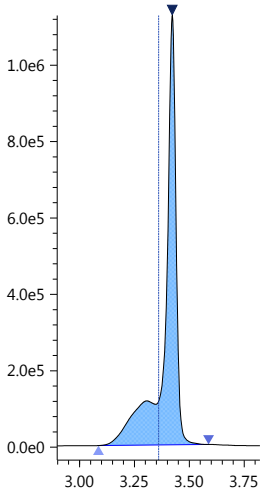


PFBA-13C

Conc 4.5929

RT 3.422 Area 4022896

Q 216.90>172.15 (-) 1.13e6

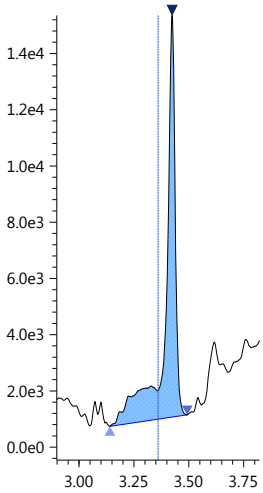


PFBA

Conc 0.0532

RT 3.424 Area 43817

Q 213.00>169.10 (-) 1.54e4

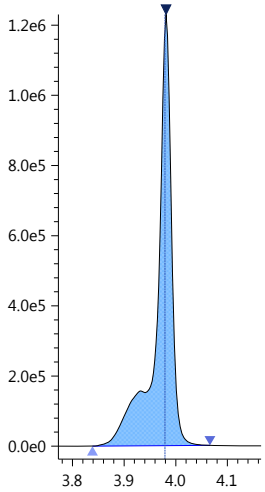


PFPeA-13C_IS

Conc 5.0000

RT 3.981 Area 2425675

ISTD 267.90>223.00 (-) 1.23e6

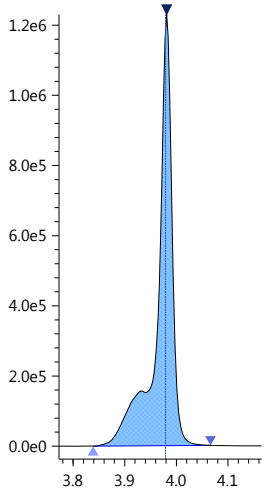


PFPeA-13C

Conc 4.6683

RT 3.981 Area 2425675

Q 267.90>223.00 (-) 1.23e6



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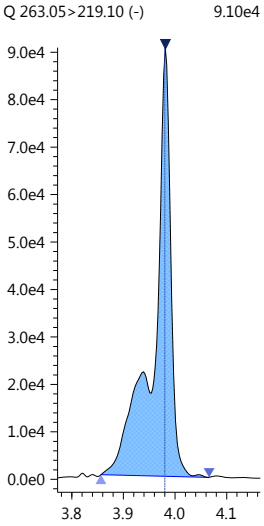
RT 3.981 Area 205844



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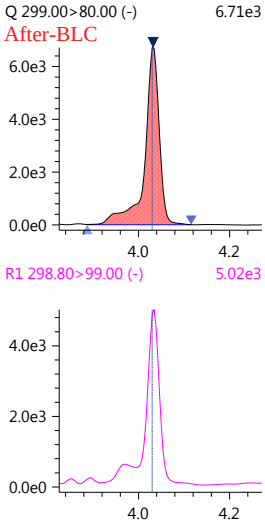
Conc 0.0485
RT 4.032 Area 14975
R#1 71.43 (0.00)



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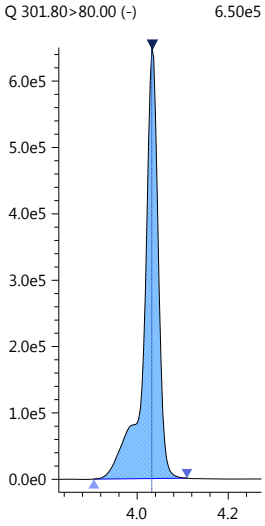
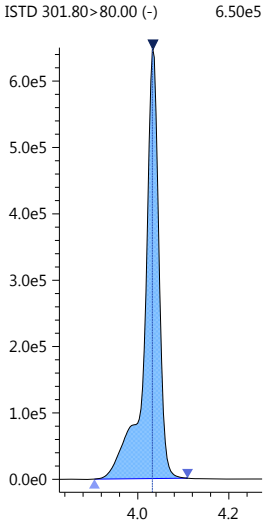
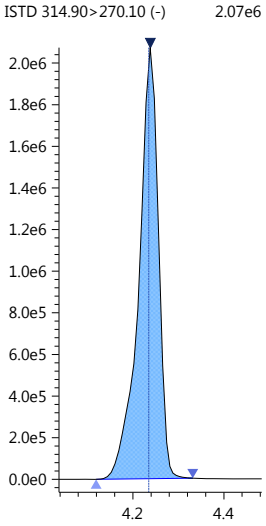
Conc 4.7100
RT 4.033 Area 1410259



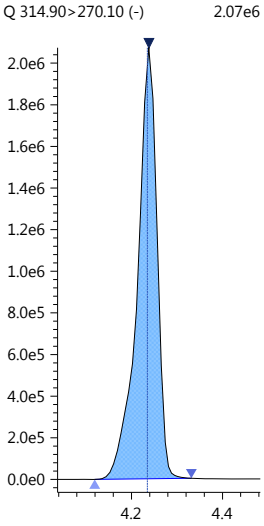
PFBS-13C_IS
Conc 5.0000
RT 4.033 Area 1410259



PFHxA-13C_IS
Conc 5.0000
RT 4.238 Area 6204594



PFHxA-13C
Conc 4.5575
RT 4.238 Area 6204594



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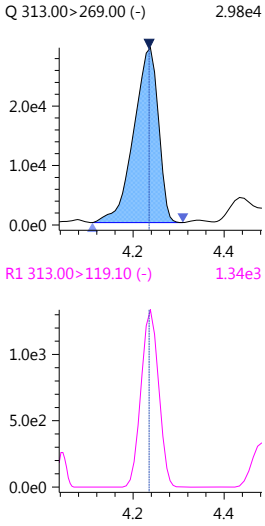
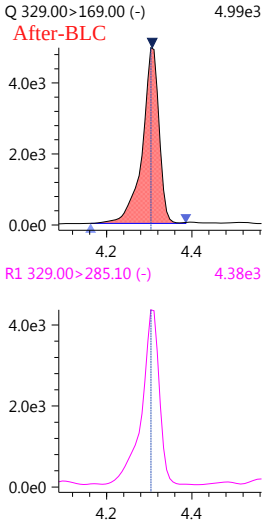
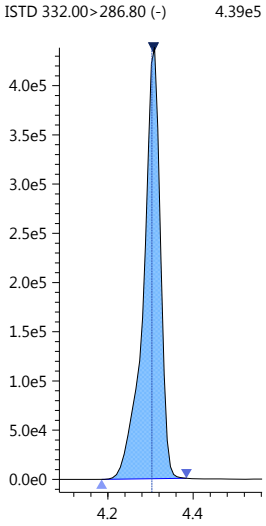
Conc 0.0482
RT 4.235 Area 110751
R#1 4.53 (0.00)



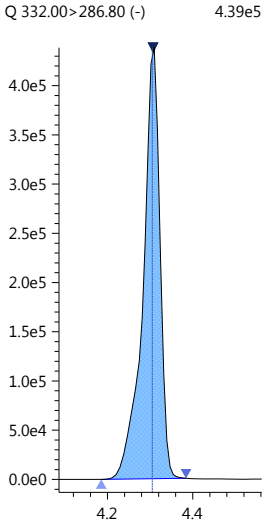
HPFO_DA
Conc 0.0575
RT 4.307 Area 13510
R#1 87.11 (0.00)



HFPO_DA-13C_IS
Conc 5.0000
RT 4.307 Area 1206529



HFPO_DA-13C
Conc 4.3222
RT 4.307 Area 1206529



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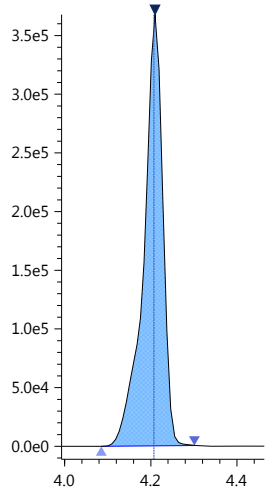
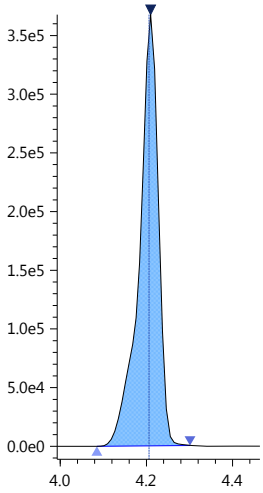
4_2-FTS-13C_IS
Conc 5.0000
RT 4.210 Area 1129489
ISTD 328.80>309.05 (-) 3.68e5

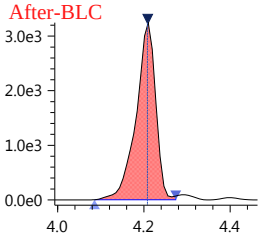


4_2-FTS-13C
Conc 4.3450
RT 4.210 Area 1129489
Q 328.80>309.05 (-) 3.68e5

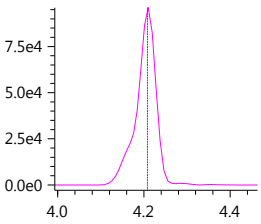


4_2-FTS_1
Conc 0.0442
RT 4.209 Area 10209
R#1 2980.16 (0.00)
Q 327.00>307.05 (-) 3.25e3

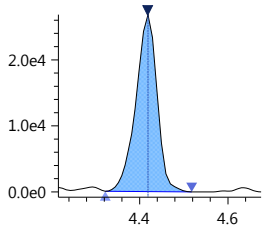
After-BLC



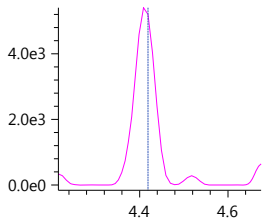
R1 327.00>81.10 (-) 9.60e4



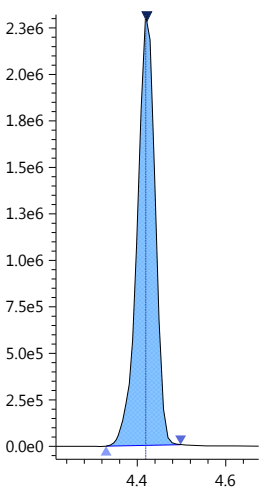
PFHpA
Conc 0.0486
RT 4.418 Area 89483
R#1 18.89 (0.00)
Q 362.90>319.00 (-) 2.68e4



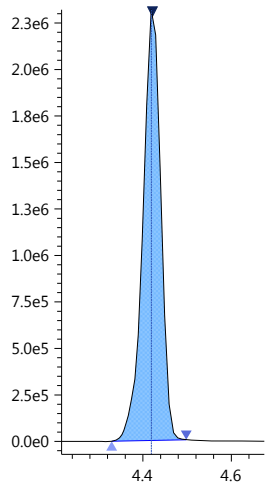
R1 362.90>169.00 (-) 5.41e3



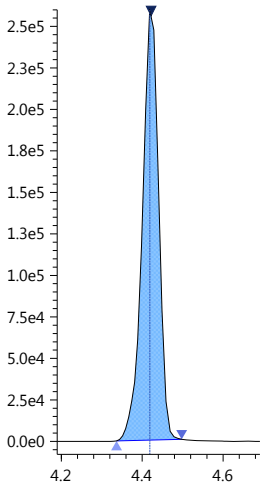
PFHpA-13C_IS
Conc 5.0000
RT 4.422 Area 6547522
ISTD 366.90>322.10 (-) 2.32e6



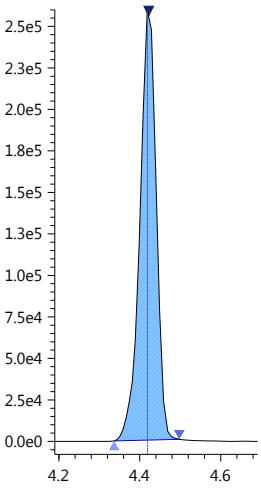
PFHpA-13C
Conc 5.5308
RT 4.422 Area 6547522
Q 366.90>322.10 (-) 2.32e6



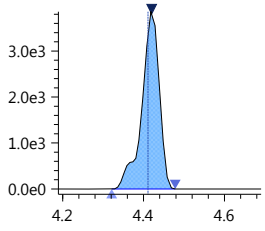
PFHxS-18O_IS
Conc 5.0000
RT 4.422 Area 731049
ISTD 402.70>84.05 (-) 2.60e5



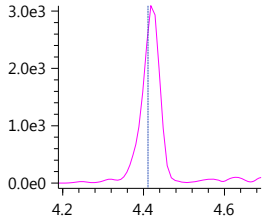
PFHxS-18O
Conc 5.3321
RT 4.422 Area 731049
Q 402.70>84.05 (-) 2.60e5



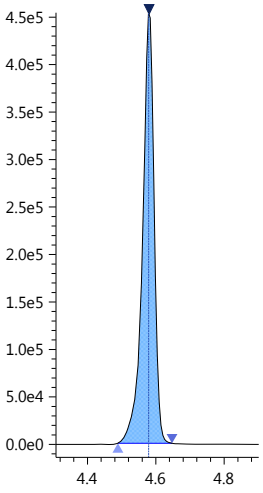
PFHxS_1
Conc 0.0577
RT 4.420 Area 11559
R#1 78.89 (0.00)
Q 399.00>80.00 (-) 3.86e3



R1 399.00>99.00 (-) 3.09e3



6_2-FTS-13C
Conc 5.0954
RT 4.580 Area 1070621
Q 428.90>409.00 (-) 4.55e5



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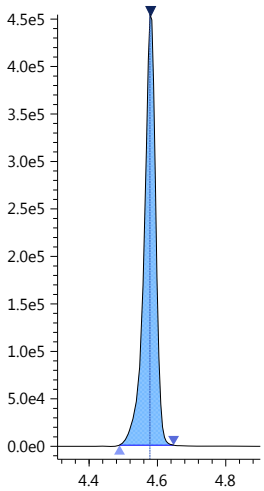
6_2-FTS-13C_IS
Conc 5.0000
RT 4.580 Area 1070621

ISTD 428.90>409.00 (-) 4.55e5



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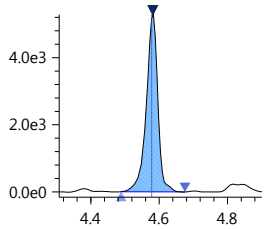
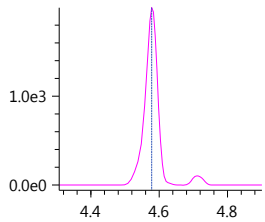
Conc 0.0524
RT 4.581 Area 12404
R#1 38.82 (0.00)

Q 427.00>407.00 (-) 5.28e3



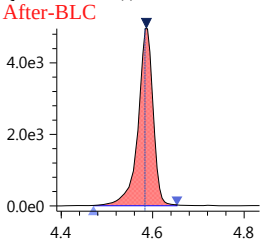
R1 427.00>80.90 (-) 2.00e3



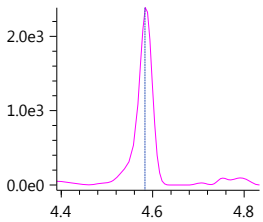
PFHpS_1
Conc 0.0443
RT 4.586 Area 11348
R#1 48.60 (0.00)

Q 449.00>80.15 (-) 4.96e3

After-BLC

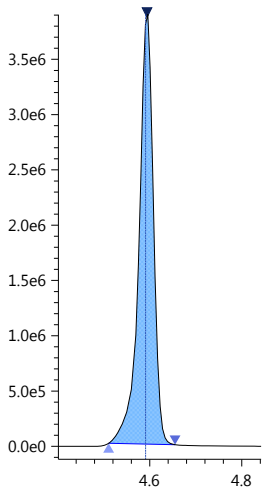


R1 449.00>99.20 (-) 2.39e3



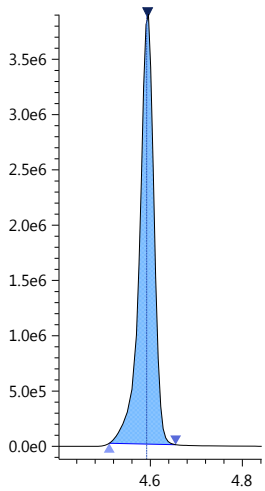
PFOA-13C_IS
Conc 5.0000
RT 4.594 Area 8513112

ISTD 416.80>372.05 (-) 3.90e6



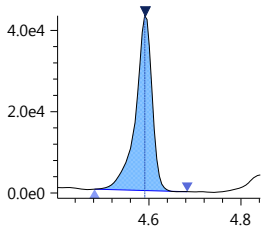
PFOA-13C
Conc 4.7753
RT 4.594 Area 8513112

Q 416.80>372.05 (-) 3.90e6

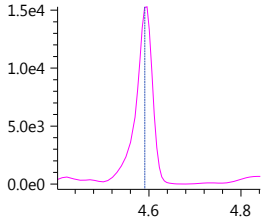


PFOA
Conc 0.0501
RT 4.592 Area 107478
R#1 36.19 (0.00)

Q 413.00>369.00 (-) 4.36e4

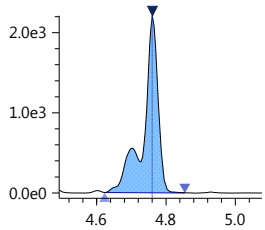


R1 413.00>169.10 (-) 1.53e4

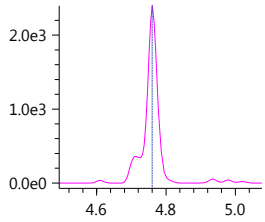


PFOS_1
Conc 0.0477
RT 4.761 Area 6495
R#1 111.20 (0.00)

Q 499.00>80.00 (-) 2.21e3

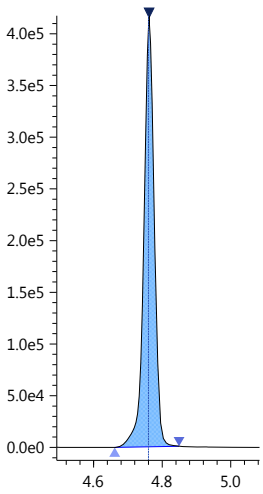


R1 499.00>99.00 (-) 2.40e3



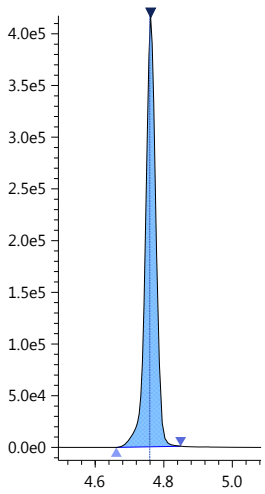
PFOS-13C_IS
Conc 5.0000
RT 4.762 Area 875161

ISTD 502.80>80.05 (-) 4.18e5



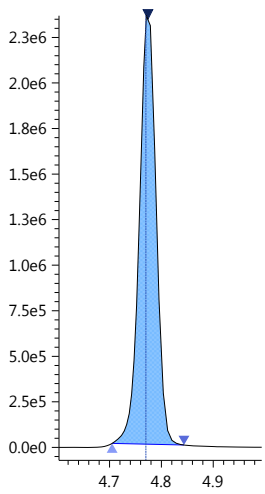
PFOS-13C
Conc 4.6622
RT 4.762 Area 875161

Q 502.80>80.05 (-) 4.18e5



PFNA-13C_IS
Conc 5.0000
RT 4.774 Area 5341023

ISTD 467.80>423.00 (-) 2.37e6



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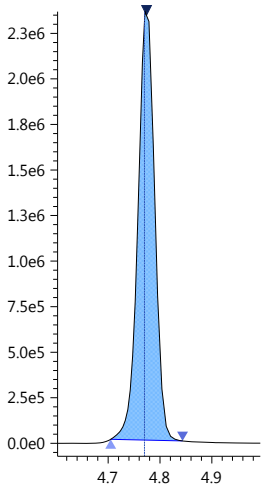
PFNA-13C
Conc 4.4416
RT 4.774 Area 5341023

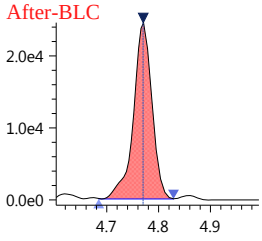
Q 467.80>423.00 (-) 2.37e6



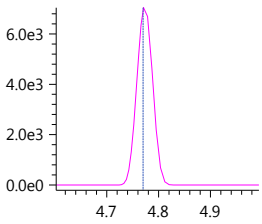
PFNA
Conc 0.0465
RT 4.770 Area 60952
R#1 30.12 (0.00)

Q 463.00>418.90 (-) 2.46e4

After-BLC

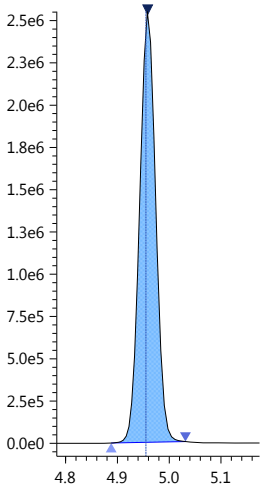


R1 463.00>219.00 (-) 7.04e3



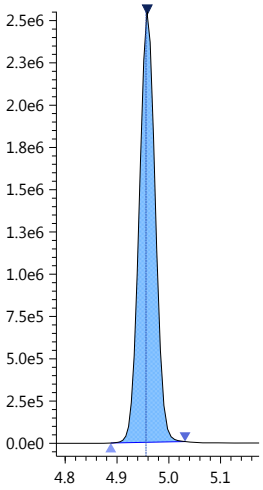
PFDA-13C_IS
Conc 5.0000
RT 4.958 Area 5490416

ISTD 514.80>469.95 (-) 2.55e6



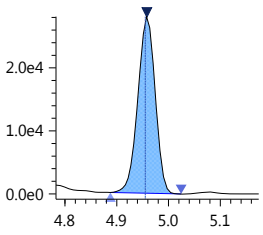
PFDA-13C
Conc 4.8110
RT 4.958 Area 5490416

Q 514.80>469.95 (-) 2.55e6

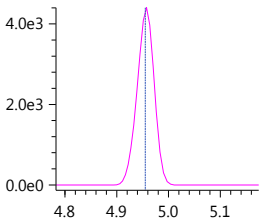


PFDA
Conc 0.0581
RT 4.958 Area 65243
R#1 15.81 (0.00)

Q 513.00>468.80 (-) 2.81e4

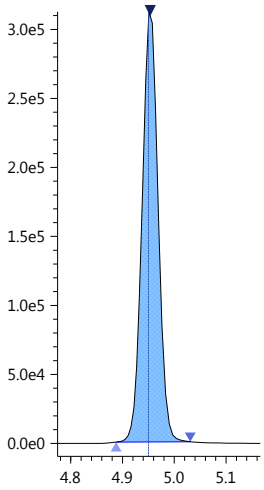


R1 513.00>219.10 (-) 4.40e3



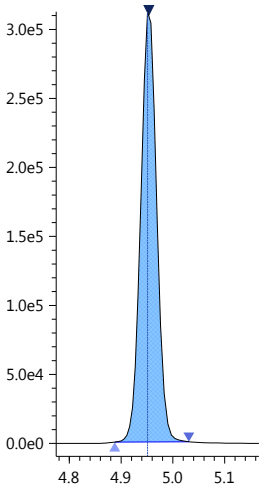
8_2-FTS-13C_IS
Conc 5.0000
RT 4.953 Area 672166

ISTD 528.80>509.00 (-) 3.13e5



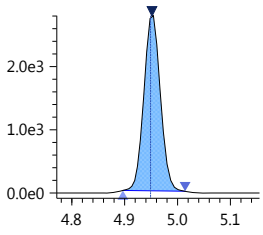
8_2-FTS-13C
Conc 4.9374
RT 4.953 Area 672166

Q 528.80>509.00 (-) 3.13e5

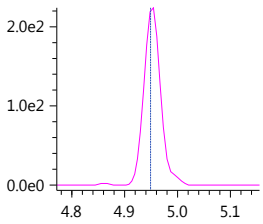


8_2-FTS_1
Conc 0.0525
RT 4.952 Area 6049
R#1 8.05 (6.32)

Q 527.10>506.90 (-) 2.80e3

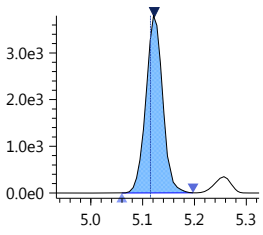


R1 527.20>487.00 (-) 2.24e2

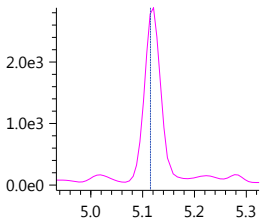


PFDS_1
Conc 0.0571
RT 5.122 Area 8598
R#1 73.84 (0.00)

Q 599.00>79.90 (-) 3.80e3

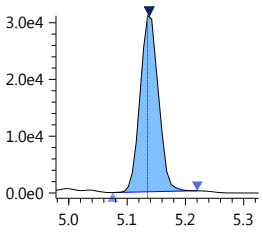


R1 599.00>99.10 (-) 2.88e3

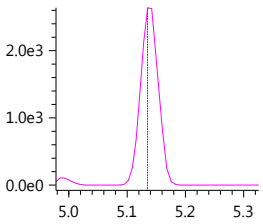


PFUnA
Conc 0.0484
RT 5.138 Area 67959
R#1 8.67 (0.00)

Q 563.00>518.90 (-) 3.12e4



R1 563.00>219.00 (-) 2.64e3



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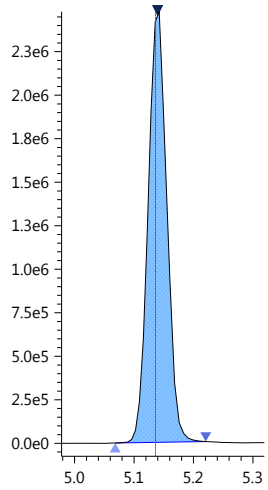
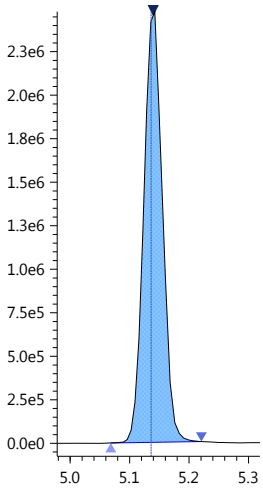
PFUnA-13C_IS
Conc 5.0000
RT 5.140 Area 5431142
ISTD 564.80>519.95 (-) 2.48e6



PFUnA-13C
Conc 4.9255
RT 5.140 Area 5431142
Q 564.80>519.95 (-) 2.48e6



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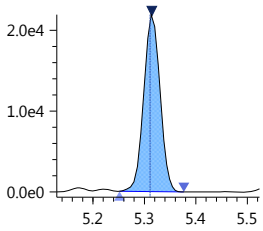
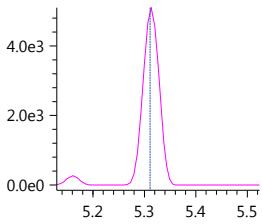
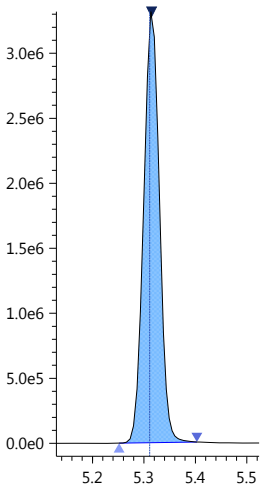
Conc 0.0468
RT 5.314 Area 48598
R#1 23.23 (0.00)
Q 613.05>569.00 (-) 2.19e4



R1 613.05>169.00 (-) 5.10e3



PFDoA-13C
Conc 4.5693
RT 5.315 Area 7092052
Q 614.80>569.95 (-) 3.32e6



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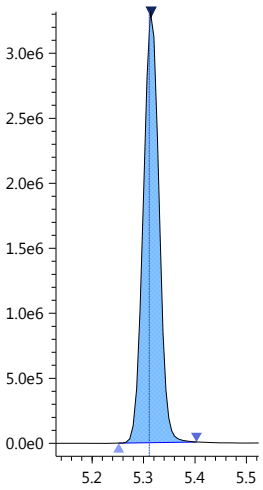
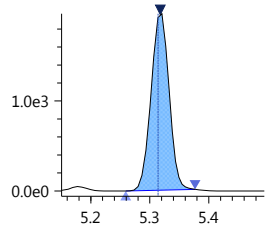
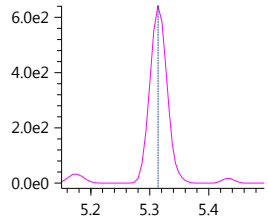
RT 5.315 Area 7092052
ISTD 614.80>569.95 (-) 3.32e6



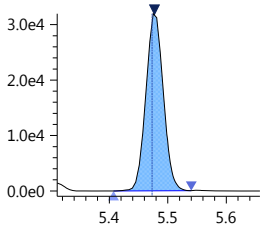
10_2-FtS_1
Conc 0.0505
RT 5.318 Area 4183
R#1 33.90 (0.00)
Q 627.00>606.95 (-) 1.97e3



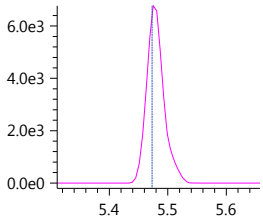
R1 627.00>81.25 (-) 6.42e2



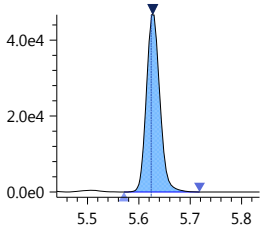
PFTrDA
Conc 0.0479
RT 5.477 Area 66290
R#1 21.32 (0.00)
Q 663.00>618.90 (-) 3.20e4



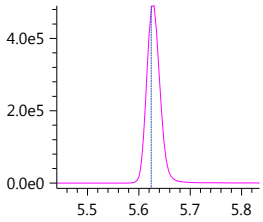
R1 662.90>169.00 (-) 6.77e3



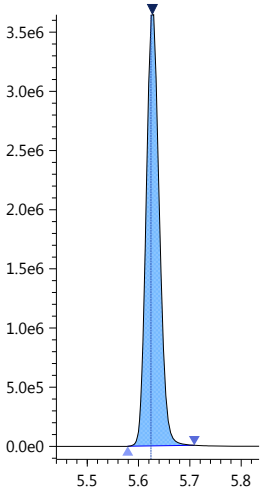
PFTeDA
Conc 0.0486
RT 5.627 Area 85573
R#1 1049.43 (0.00)
Q 713.40>669.00 (-) 4.67e4



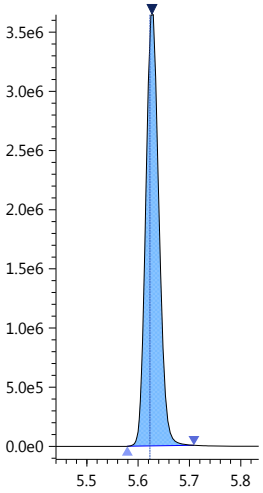
R1 713.40>169.10 (-) 4.90e5



PFTeDA-13C
Conc 5.0756
RT 5.627 Area 6547717
Q 714.70>669.90 (-) 3.65e6



PFTeDA-13C_IS
Conc 5.0000
RT 5.627 Area 6547717
ISTD 714.70>669.90 (-) 3.65e6



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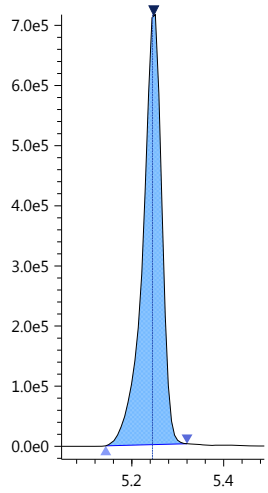
FOSA-13C_IS
Conc 5.0000
RT 5.248 Area 2062016
ISTD 506.00>78.05 (-) 7.18e5



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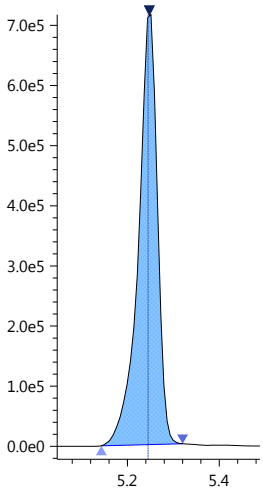
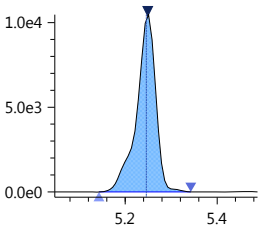
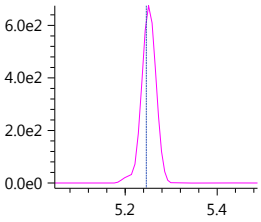
Conc 4.3493
RT 5.248 Area 2062016
Q 506.00>78.05 (-) 7.18e5



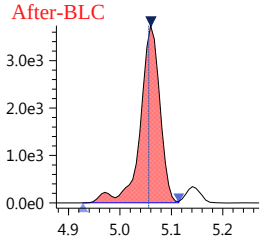
FOSA
Conc 0.0552
RT 5.249 Area 30194
R#1 6.48 (0.00)
Q 498.20>78.00 (-) 1.05e4



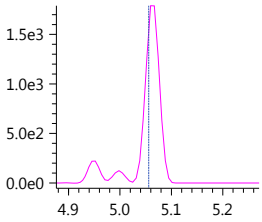
R1 498.20>64.10 (-) 6.75e2



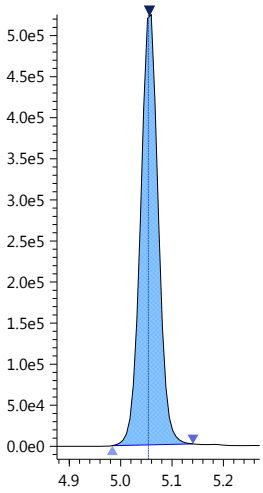
N-MeFOSAA
Conc 0.0544
RT 5.060 Area 9869
R#1 48.31 (0.00)
Q 570.20>419.00 (-) 3.74e3



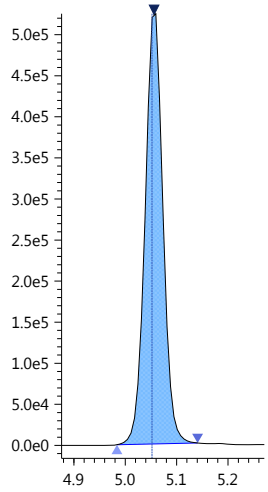
R1 570.20>512.00 (-) 1.79e3



N-MeFOSAA-d3
Conc 4.8383
RT 5.056 Area 1268089
Q 572.80>419.05 (-) 5.26e5



N-MeFOSAA-d3_IS
Conc 5.0000
RT 5.056 Area 1268089
ISTD 572.80>419.05 (-) 5.26e5



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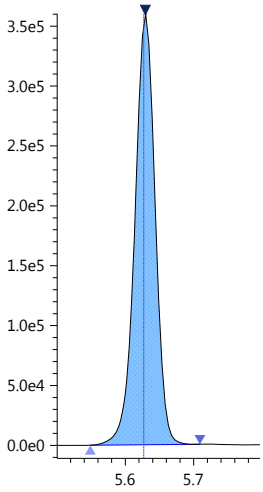
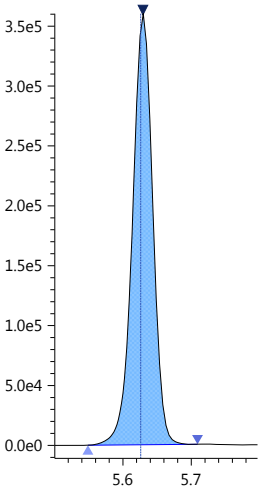
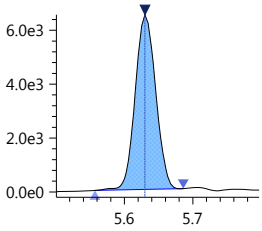
Conc 5.0000
RT 5.629 Area 740960
ISTD 514.90>168.90 (-) 3.60e5



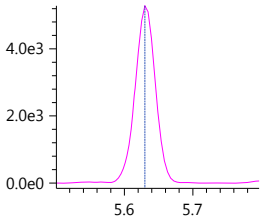
N-MeFOSA-d3
Conc 4.4896
RT 5.629 Area 740960
Q 514.90>168.90 (-) 3.60e5



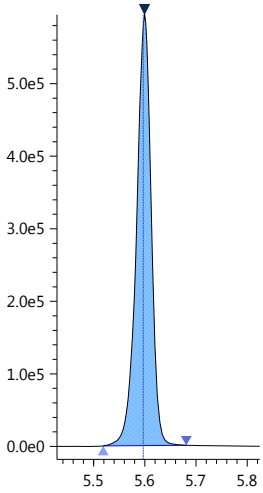
N-MeFOSA
Conc 0.0534
RT 5.630 Area 13489
R#1 82.75 (0.00)
Q 512.00>169.10 (-) 6.58e3



R1 512.00>219.00 (-) 5.28e3



N-MeFOSE-d7
Conc 4.5882
RT 5.600 Area 1185062
Q 622.70>59.10 (-) 5.95e5



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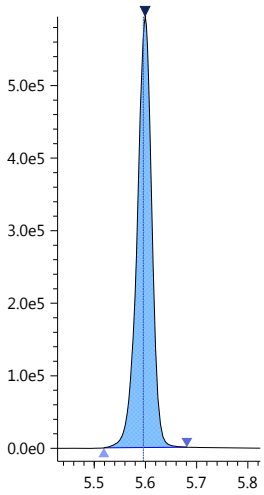
N-MeFOSE-d7_IS

Conc 5.0000
RT 5.600 Area 1185062

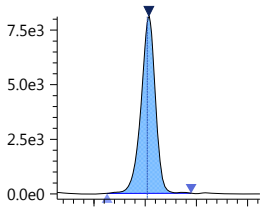
ISTD 622.70>59.10 (-) 5.95e5



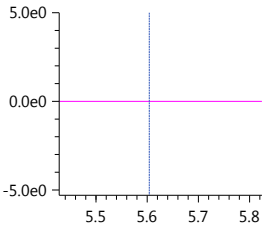
N-MeFOSE

Conc 0.0534
RT 5.607 Area 15853
R#1 0.00 (0.00)

Q 616.00>59.00 (-) 8.12e3



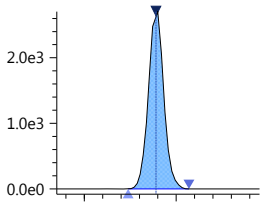
R1 556.00>121.20 (-) 0.00e0



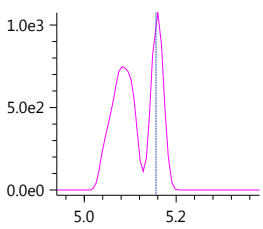
N-EtFOSAA

Conc 0.0522
RT 5.156 Area 6331
R#1 24.73 (0.00)

Q 584.20>418.95 (-) 2.70e3



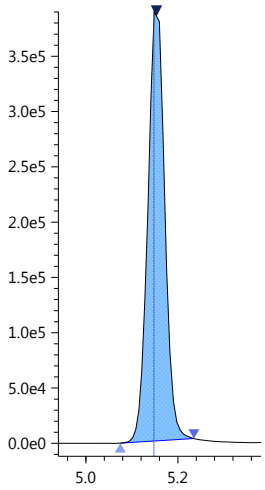
R1 584.20>526.10 (-) 1.08e3



N-EtFOSAA-d5_IS

Conc 5.0000
RT 5.153 Area 1001234

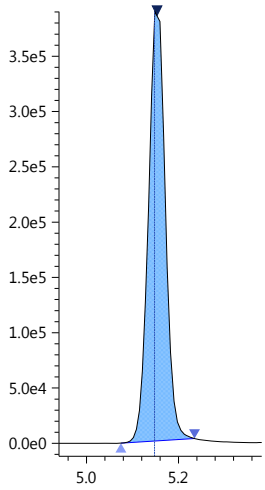
ISTD 588.80>419.00 (-) 3.90e5



N-EtFOSAA-d5

Conc 4.6907
RT 5.153 Area 1001234

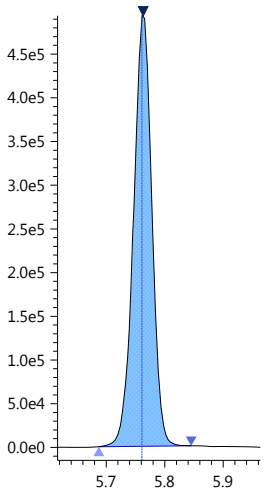
Q 588.80>419.00 (-) 3.90e5



N-EtFOSA-d9_IS

Conc 5.0000
RT 5.763 Area 1079596

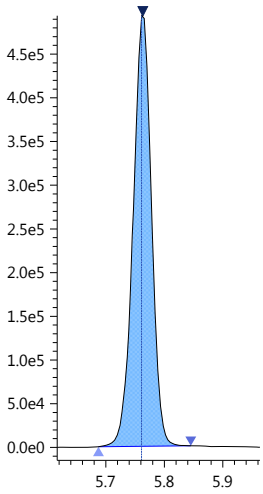
ISTD 530.90>169.15 (-) 4.94e5



N-EtFOSA-d9

Conc 4.4709
RT 5.763 Area 1079596

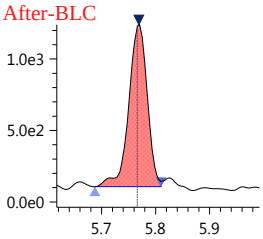
Q 530.90>169.15 (-) 4.94e5



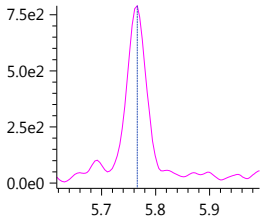
N-EtFOSA

Conc 0.0564
RT 5.769 Area 2693
R#1 59.25 (0.00)

Q 526.90>169.10 (-) 1.24e3



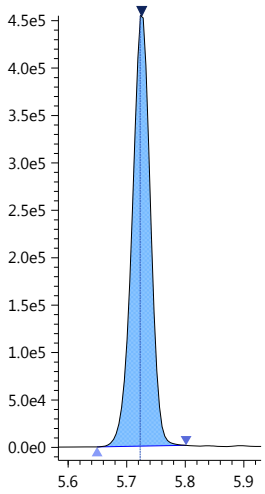
R1 526.90>219.00 (-) 7.90e2



N-EtFOSE-d9_IS

Conc 5.0000
RT 5.726 Area 996276

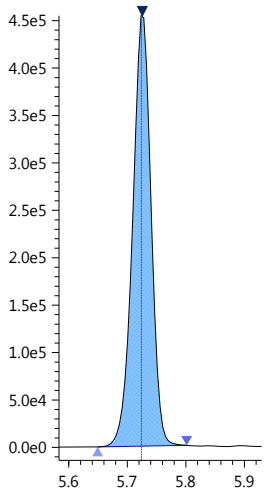
ISTD 638.70>59.10 (-) 4.55e5



N-EtFOSE-d9

Conc 4.3914
RT 5.726 Area 996276

Q 638.70>59.10 (-) 4.55e5



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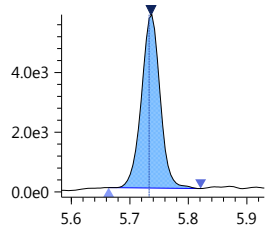
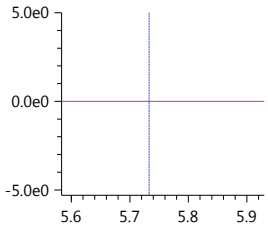
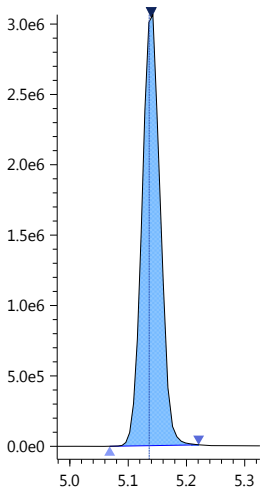
N-EtFOSE
Conc 0.0535
RT 5.736 Area 12923
R#1 0.00 (0.00)
Q 630.00>58.90 (-) 5.94e3



R1 570.00>136.10 (-) 0.00e0

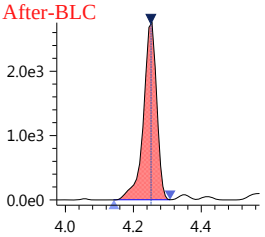


13C7-PFUnDA_IS
Conc 5.0000
RT 5.140 Area 6738512
ISTD 570.00>525.00 (-) 3.07e6

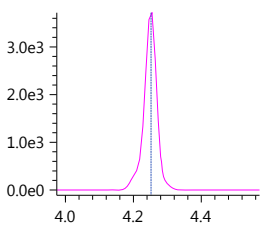


PFPeS
Conc 0.0483
RT 4.251 Area 7458
R#1 130.84 (0.00)
Q 349.00>99.00 (-) 2.76e3

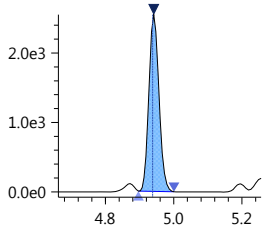
After-BLC



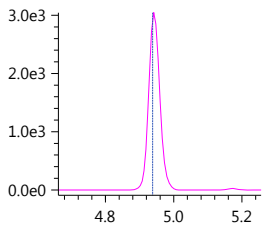
R1 349.00>79.95 (-) 3.72e3



PFNS
Conc 0.0463
RT 4.941 Area 5220
R#1 116.64 (0.00)
Q 549.00>99.00 (-) 2.55e3



R1 549.00>79.95 (-) 3.04e3



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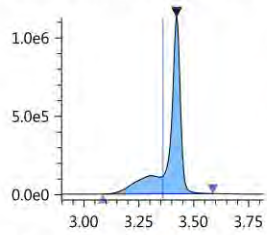
Project File: J:\LCMS06\Data\190624_curve\190624_curve.damlp
Flags File: J:\LCMS06\Data\190624_curve\190624_curve.damlp

190621_022

Sample ID: 0.05 PPB ICAL
Date acquired: 6/24/2019 6:26:18 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190624_curve\190621_022.lcd
Vial: 28 | Inj. Volume: 15.0000uL | Tray: 1

PFBA-13C_IS
Conc 5.0000
RT 3.422 Area 4022896
ISTD 216.90>172.15 (-) 1.13e6



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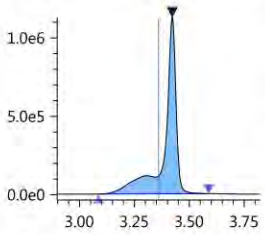
Conc 4.5929
RT 3.422 Area 4022896
Q 216.90>172.15 (-) 1.13e6



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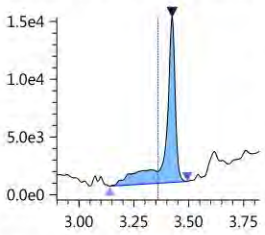
Conc 0.0532
RT 3.424 Area 43817
Q 213.00>169.10 (-) 1.54e4



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Conc 5.0000
RT 3.981 Area 2425675
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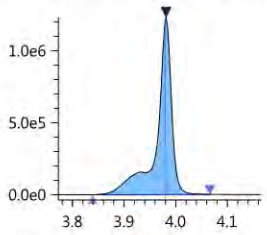

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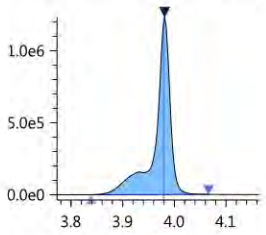
RT 3.981 Area 2425675
Q 267.90>223.00 (-) 1.23e6



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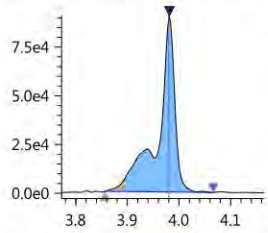
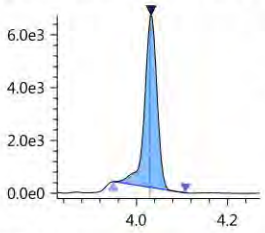
Conc 0.1079
RT 3.981 Area 205844
Q 263.05>219.10 (-) 9.10e4



PFBS_1
Conc 0.0411
RT 4.032 Area 12357
Q 299.00>80.00 (-) 6.71e3



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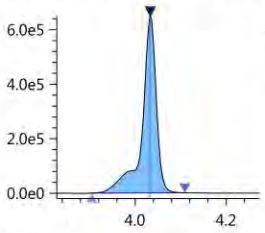
RT 4.033 Area 1410259
Q 301.80>80.00 (-) 6.50e5



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RT 4.033 Area 1410259
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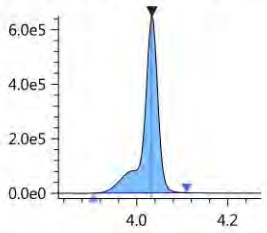

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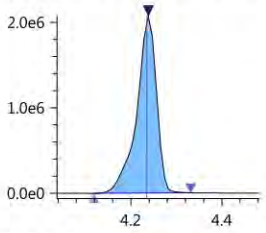
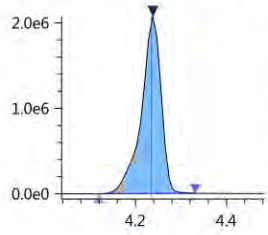
Conc 5.0000
RT 4.238 Area 6204594
ISTD 314.90>270.10 (-) 2.07e6



PFHxA-13C
Conc 4.5575
RT 4.238 Area 6204594
Q 314.90>270.10 (-) 2.07e6



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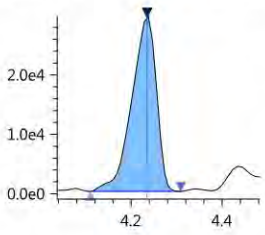
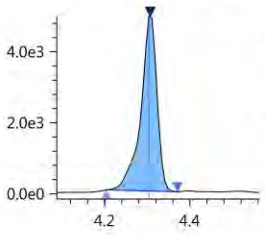
RT 4.235 Area 110751
Q 313.00>269.00 (-) 2.98e4



HPFO_DA
Conc 0.0558
RT 4.307 Area 13043
Q 329.00>169.00 (-) 4.99e3



HFPO_DA-13C_IS
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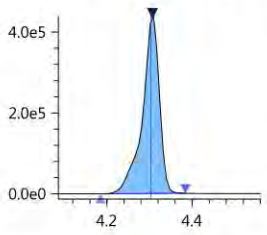
ISTD 332.00>286.80 (-) 4.39e5



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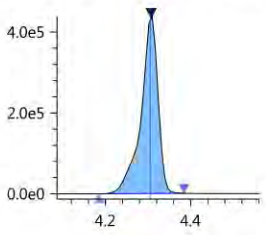
Q 332.00>286.80 (-) 4.39e5



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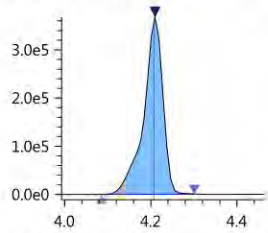
4_2-FTS-13C_IS
Conc 5.0000
RT 4.210 Area 1129489
ISTD 328.80>309.05 (-) 3.68e5



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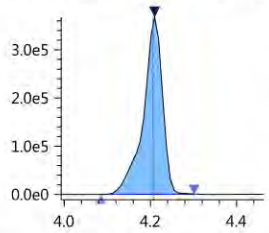
Q 328.80>309.05 (-) 3.68e5



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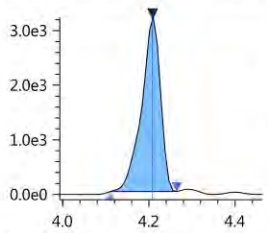
Conc 0.0422
RT 4.209 Area 9680
Q 327.00>307.05 (-) 3.25e3



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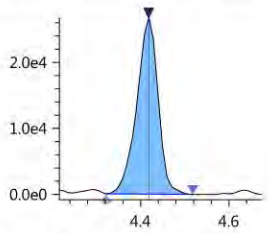

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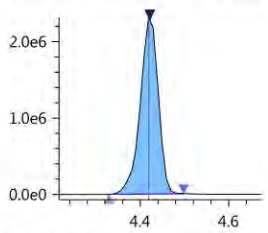
Conc 5.0000
RT 4.422 Area 6547522
ISTD 366.90>322.10 (-) 2.32e6



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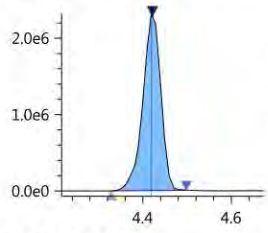
Q 366.90>322.10 (-) 2.32e6



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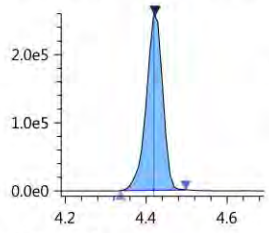
Conc 5.0000
RT 4.422 Area 731049
ISTD 402.70>84.05 (-) 2.60e5



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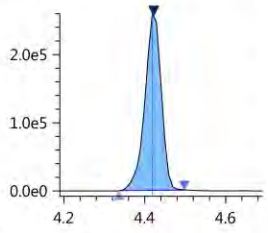

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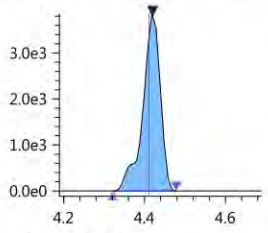

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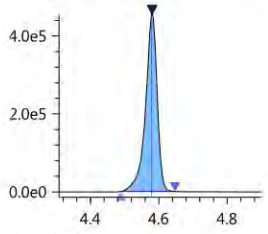
Q 428.90>409.00 (-) 4.55e5



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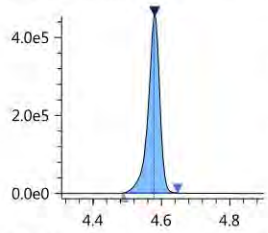

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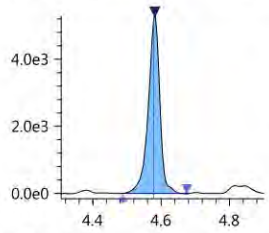

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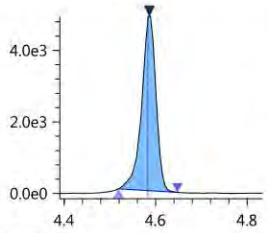
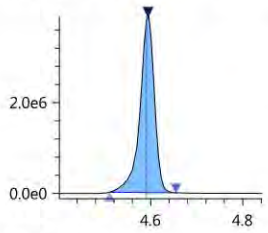


PFOA-13C_IS
Conc 5.0000
RT 4.594 Area 8513112
ISTD 416.80>372.05 (-) 3.90e6



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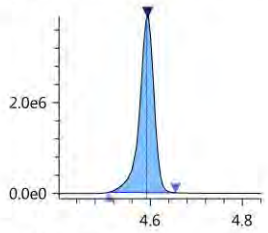
Q 416.80>372.05 (-) 3.90e6



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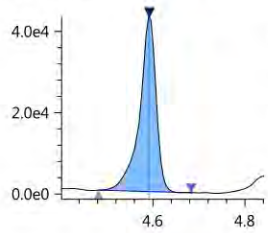
Q 413.00>369.00 (-) 4.36e4



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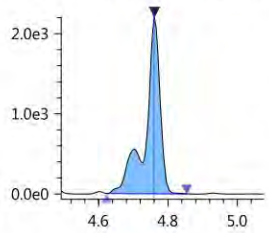

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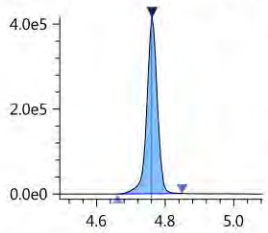

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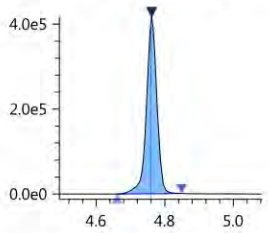

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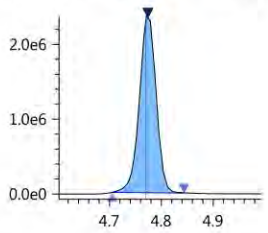

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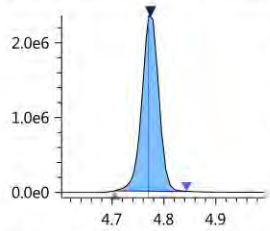

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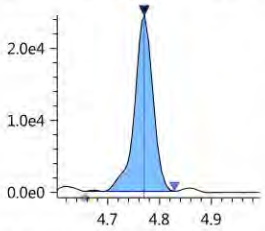

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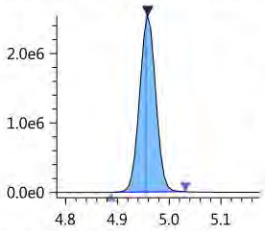

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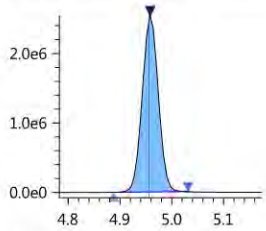

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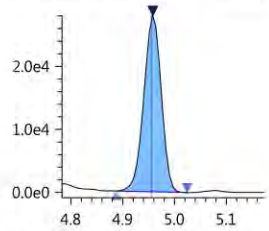

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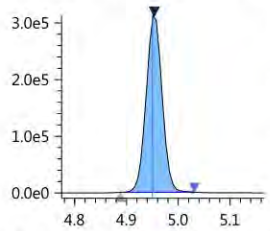
ISTD 528.80>509.00 (-) 3.13e5



8_2-FTS-13C
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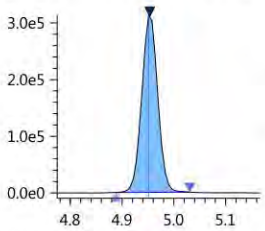

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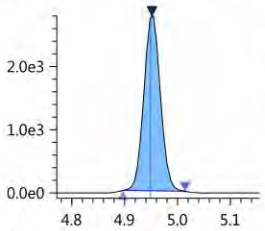

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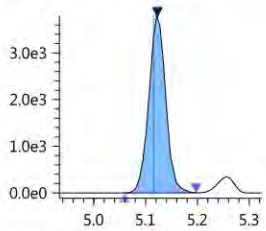

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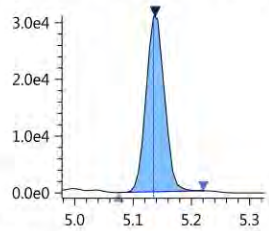

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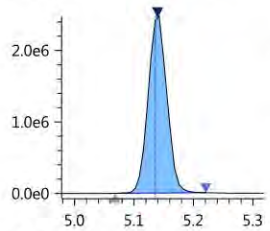

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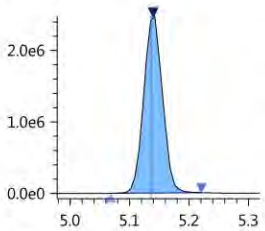

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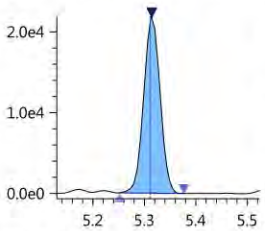

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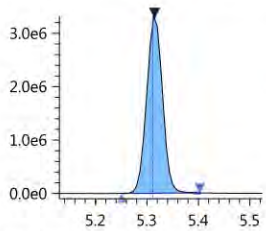
Q 614.80>569.95 (-) 3.32e6



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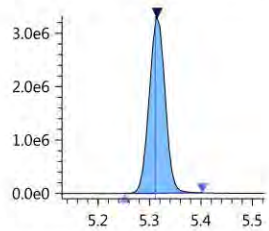

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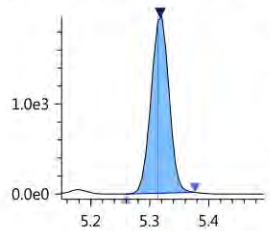

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Conc 0.0527
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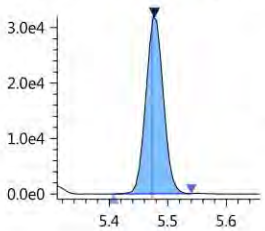
Q 663.00>618.90 (-) 3.20e4



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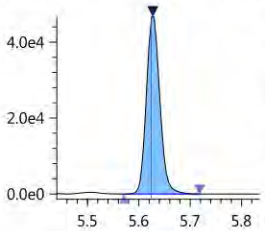
Q 713.40>669.00 (-) 4.67e4



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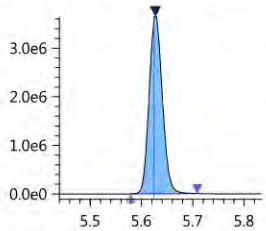

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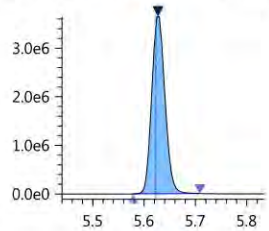

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FOSA-13C_IS
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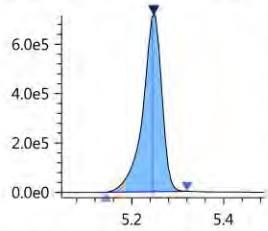

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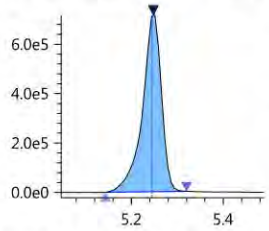
Q 506.00>78.05 (-) 7.18e5



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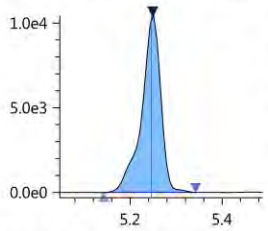
Conc 0.0552
RT 5.249 Area 30194
Q 498.20>78.00 (-) 1.05e4



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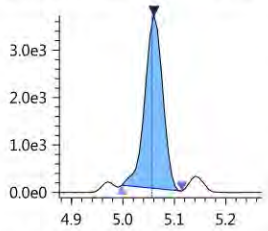
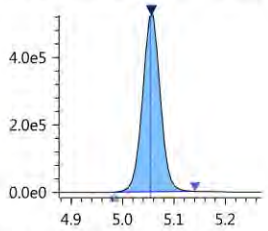
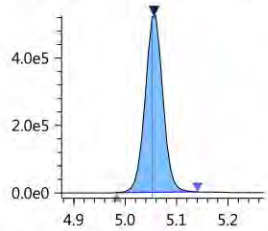
Q 570.20>419.00 (-) 3.74e3



N-MeFOSAA-d3
Conc 4.8383
RT 5.056 Area 1268089
Q 572.80>419.05 (-) 5.26e5



N-MeFOSAA-d3_IS
Conc 5.0000
RT 5.056 Area 1268089
ISTD 572.80>419.05 (-) 5.26e5



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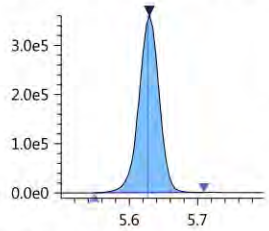
Conc 5.0000
RT 5.629 Area 740960
ISTD 514.90>168.90 (-) 3.60e5



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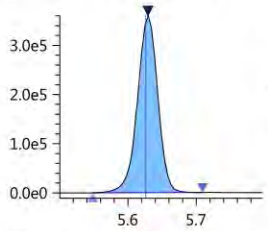
Conc 4.4896
RT 5.629 Area 740960
Q 514.90>168.90 (-) 3.60e5



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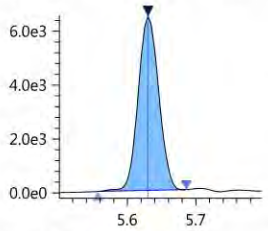
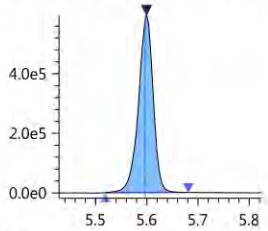
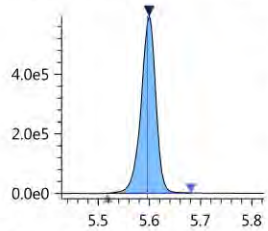
Conc 0.0534
RT 5.630 Area 13489
Q 512.00>169.10 (-) 6.58e3



N-MeFOSE-d7
Conc 4.5882
RT 5.600 Area 1185062
Q 622.70>59.10 (-) 5.95e5



N-MeFOSE-d7_IS
Conc 5.0000
RT 5.600 Area 1185062
ISTD 622.70>59.10 (-) 5.95e5



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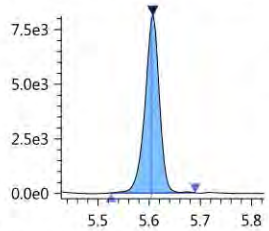
Conc 0.0534
RT 5.607 Area 15853
Q 616.00>59.00 (-) 8.12e3



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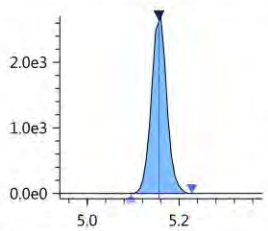
RT 5.156 Area 6331
Q 584.20>418.95 (-) 2.70e3



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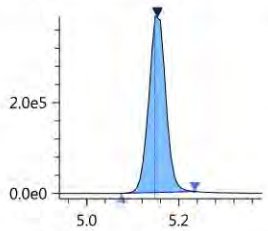
Conc 5.0000
RT 5.153 Area 1001234
ISTD 588.80>419.00 (-) 3.90e5



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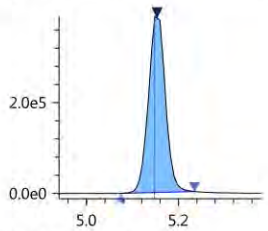
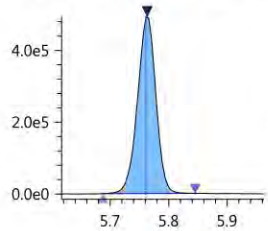
Q 588.80>419.00 (-) 3.90e5



N-EtFOSA-d9_IS
Conc 5.0000
RT 5.763 Area 1079596
ISTD 530.90>169.15 (-) 4.94e5



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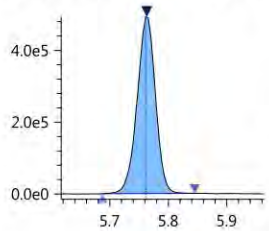

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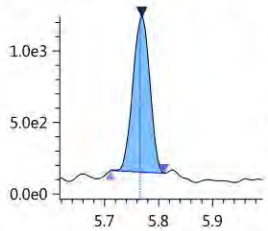
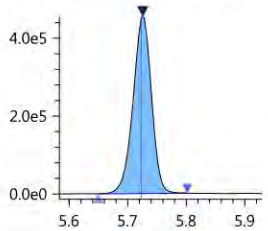
Conc 0.0508
RT 5.769 Area 2381
Q 526.90>169.10 (-) 1.24e3



N-EtFOSE-d9_IS
Conc 5.0000
RT 5.726 Area 996276
ISTD 638.70>59.10 (-) 4.55e5



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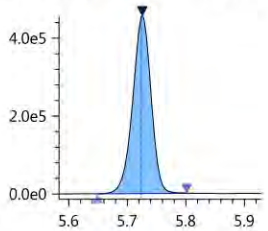

Insight Report

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N-EtFOSE
Conc 0.0535
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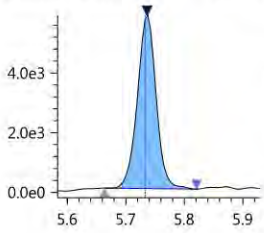
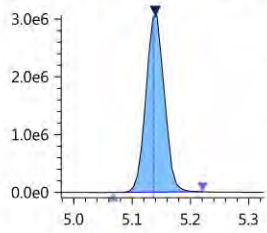
Q 630.00>58.90 (-) 5.94e3



13C7-PFUnDA_IS
Conc 5.0000
RT 5.140 Area 6738512
ISTD 570.00>525.00 (-) 3.07e6



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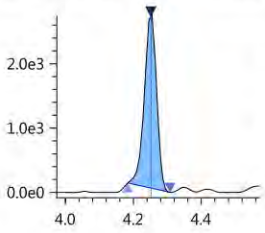
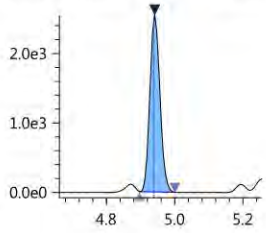
RT 4.251 Area 6822
Q 349.00>99.00 (-) 2.76e3



PFNS
Conc 0.0463
RT 4.941 Area 5220
Q 549.00>99.00 (-) 2.55e3



Insight Report

Printed at 6/25/2019 10:29:14 AM

190621_023

Sample ID: 0.10 PPB ICAL
Date acquired: 6/24/2019 6:36:48 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190624_curve\190621_023.lcd
Vial: 29 | Inj. Volume: 15.0000uL | Tray: 1

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
PFBA-13C_IS	Auto	3.421	3761287	3761287	2	5.0000	ng/mL	5.0000
PFBA-13C	Auto	3.421	3761287	6420170	26	4.5071	ng/mL	5.0000
PFBA	Auto	3.422	76995	3761287	2	0.0999	ng/mL	0.1000
PFPeA-13C_IS	Auto	3.980	2261367	2261367	4	5.0000	ng/mL	5.0000
PFPeA-13C	Auto	3.980	2261367	6420170	26	4.5678	ng/mL	5.0000
PFPeA	Auto	3.980	259736	2261367	4	0.1076	ng/mL	0.1000
PFBS_1	Auto	4.030	25838	1281847	16	0.0920	ng/mL	0.0887
PFBS-13C	Auto	4.032	1281847	6420170	26	4.4934	ng/mL	5.0000
PFBS-13C_IS	Auto	4.032	1281847	1281847	16	5.0000	ng/mL	5.0000
PFHxA-13C_IS	Auto	4.236	5429397	5429397	6	5.0000	ng/mL	5.0000
PFHxA-13C	Auto	4.236	5429397	6420170	26	4.1859	ng/mL	5.0000
PFHxA	Auto	4.235	169787	5429397	6	0.1082	ng/mL	0.1000
HPFO_DA	Auto	4.306	25360	1217564	3	0.1069	ng/mL	0.1000
HFPO_DA-13C_IS	Auto	4.306	1217564	1217564	3	5.0000	ng/mL	5.0000
HFPO_DA-13C	Auto	4.306	1217564	6420170	26	4.5780	ng/mL	5.0000
4_2-FTS-13C_IS	Auto	4.208	1035124	1035124	5	5.0000	ng/mL	5.0000
4_2-FTS-13C	Auto	4.208	1035124	6420170	26	4.1794	ng/mL	5.0000
4_2-FTS_1	Auto	4.208	23178	1035124	5	0.1094	ng/mL	0.0937
PFHpA	Auto	4.419	131608	5208826	8	0.1075	ng/mL	0.1000
PFHpA-13C_IS	Auto	4.420	5208826	5208826	8	5.0000	ng/mL	5.0000
PFHpA-13C	Auto	4.420	5208826	6420170	26	4.6182	ng/mL	5.0000
PFHxS-18O_IS	Auto	4.421	583826	583826	7	5.0000	ng/mL	5.0000
PFHxS-18O	Auto	4.421	583826	6420170	26	4.4695	ng/mL	5.0000
PFHxS_1	Auto	4.419	13569	583826	7	0.0849	ng/mL	0.0913
6_2-FTS-13C	Auto	4.578	972163	6420170	26	4.8562	ng/mL	5.0000
6_2-FTS-13C_IS	Auto	4.578	972163	972163	10	5.0000	ng/mL	5.0000
6_2-FTS_1	Auto	4.578	24098	972163	10	0.1120	ng/mL	0.0951
PFHpS_1	Auto	4.584	21643	583826	7	0.1058	ng/mL	0.0953
PFOA-13C_IS	Auto	4.592	8292403	8292403	9	5.0000	ng/mL	5.0000
PFOA-13C	Auto	4.592	8292403	6420170	26	4.8821	ng/mL	5.0000
PFOA	Auto	4.591	172338	8292403	9	0.0989	ng/mL	0.1000
PFOS_1	Auto	4.760	13374	875820	13	0.0981	ng/mL	0.0929
PFOS-13C_IS	Auto	4.760	875820	875820	13	5.0000	ng/mL	5.0000
PFOS-13C	Auto	4.760	875820	6420170	26	4.8971	ng/mL	5.0000
PFNA-13C_IS	Auto	4.771	5184598	5184598	11	5.0000	ng/mL	5.0000
PFNA-13C	Auto	4.771	5184598	6420170	26	4.5253	ng/mL	5.0000
PFNA	Auto	4.771	113849	5184598	11	0.1100	ng/mL	0.1000
PFDA-13C_IS	Auto	4.956	5207929	5207929	12	5.0000	ng/mL	5.0000
PFDA-13C	Auto	4.956	5207929	6420170	26	4.7897	ng/mL	5.0000
PFDA	Auto	4.955	120035	5207929	12	0.1126	ng/mL	0.1000
8_2-FTS-13C_IS	Auto	4.951	640043	640043	15	5.0000	ng/mL	5.0000
8_2-FTS-13C	Auto	4.951	640043	6420170	26	4.9346	ng/mL	5.0000
8_2-FTS_1	Auto	4.950	11180	640043	15	0.1018	ng/mL	0.0960
PFDS_1	Auto	5.117	14166	875820	13	0.0939	ng/mL	0.0965
PFUnA	Auto	5.138	112318	5207584	14	0.1042	ng/mL	0.1000
PFUnA-13C_IS	Auto	5.138	5207584	5207584	14	5.0000	ng/mL	5.0000
PFUnA-13C	Auto	5.138	5207584	6420170	26	4.9569	ng/mL	5.0000
PFDoA	Auto	5.312	90157	6809410	17	0.1044	ng/mL	0.1000
PFDoA-13C	Auto	5.312	6809410	6420170	26	4.6047	ng/mL	5.0000
PFDoA-13C_IS	Auto	5.312	6809410	6809410	17	5.0000	ng/mL	5.0000
10_2-FtS_1	Auto	5.314	7534	640043	15	0.0955	ng/mL	0.0966
PFTrDA	Auto	5.475	120443	5670724	22	0.1076	ng/mL	0.1000
PFTeDA	Auto	5.625	95788	5670724	22	0.1083	ng/mL	0.1000
PFTeDA-13C	Auto	5.624	5670724	6420170	26	4.6137	ng/mL	5.0000
PFTeDA-13C_IS	Auto	5.624	5670724	5670724	22	5.0000	ng/mL	5.0000
FOSA-13C_IS	Auto	5.246	2066876	2066876	18	5.0000	ng/mL	5.0000
FOSA-13C	Auto	5.246	2066876	6420170	26	4.5757	ng/mL	5.0000
FOSA	Auto	5.247	53580	2066876	18	0.0978	ng/mL	0.1000
N-MeFOSAA	M	5.056	12507	1138977	19	0.0768	ng/mL	0.1000
N-MeFOSAA-d3	Auto	5.054	1138977	6420170	26	4.5611	ng/mL	5.0000
N-MeFOSAA-d3_IS	Auto	5.054	1138977	1138977	19	5.0000	ng/mL	5.0000
N-MeFOSA-d3_IS	Auto	5.627	737380	737380	1	5.0000	ng/mL	5.0000
N-MeFOSA-d3	Auto	5.627	737380	6420170	26	4.6894	ng/mL	5.0000
N-MeFOSA	Auto	5.630	25470	737380	1	0.1013	ng/mL	0.1000
N-MeFOSE-d7	Auto	5.597	1122524	6420170	26	4.5615	ng/mL	5.0000
N-MeFOSE-d7_IS	Auto	5.597	1122524	1122524	20	5.0000	ng/mL	5.0000
N-MeFOSE	Auto	5.604	29978	1122524	20	0.1065	ng/mL	0.1000
N-EtFOSAA	M	5.156	13328	892258	21	0.1233	ng/mL	0.1000

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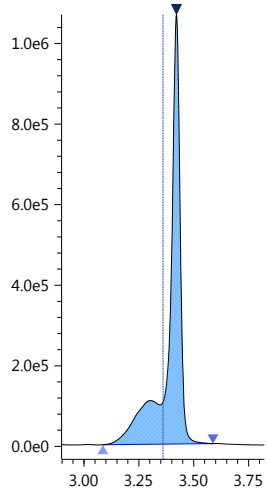
(Table continued from previous page)

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
N-EtFOSAA-d5_IS	Auto	5.151	892258	892258	21	5.0000	ng/mL	5.0000
N-EtFOSAA-d5	Auto	5.151	892258	6420170	26	4.3875	ng/mL	5.0000
N-EtFOSA-d9_IS	Auto	5.761	1053273	1053273	23	5.0000	ng/mL	5.0000
N-EtFOSA-d9	Auto	5.761	1053273	6420170	26	4.5782	ng/mL	5.0000
N-EtFOSA	Auto	5.766	4650	1053273	23	0.0998	ng/mL	0.1000
N-EtFOSE-d9_IS	Auto	5.723	962236	962236	24	5.0000	ng/mL	5.0000
N-EtFOSE-d9	Auto	5.723	962236	6420170	26	4.4517	ng/mL	5.0000
N-EtFOSE	Auto	5.734	24034	962236	24	0.1030	ng/mL	0.1000
13C7-PFUnDA_IS	Auto	5.138	6420170	6420170	26	5.0000	ng/mL	5.0000
PFPeS	M	4.252	13872	1281847	16	0.0989	ng/mL	0.0941
PFNS	Auto	4.941	11399	875820	13	0.1011	ng/mL	0.0962

PFBA-13C_IS

Conc 5.0000
RT 3.421 Area 3761287

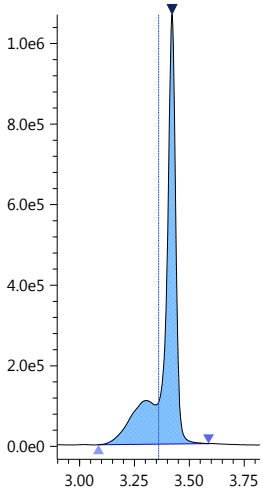
ISTD 216.90>172.15 (-) 1.07e6



PFBA-13C

Conc 4.5071
RT 3.421 Area 3761287

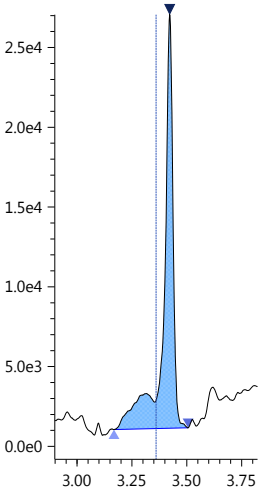
Q 216.90>172.15 (-) 1.07e6



PFBA

Conc 0.0999
RT 3.422 Area 76995

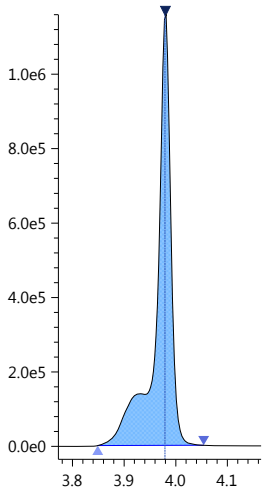
Q 213.00>169.10 (-) 2.71e4



PFPeA-13C_IS

Conc 5.0000
RT 3.980 Area 2261367

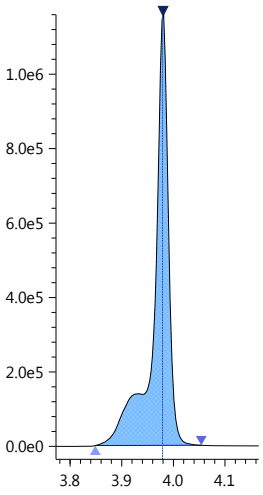
ISTD 267.90>223.00 (-) 1.16e6



PFPeA-13C

Conc 4.5678
RT 3.980 Area 2261367

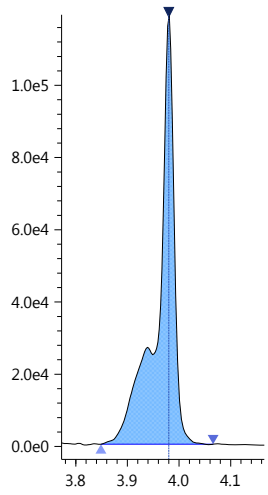
Q 267.90>223.00 (-) 1.16e6



PFPeA

Conc 0.1076
RT 3.980 Area 259736

Q 263.05>219.10 (-) 1.20e5

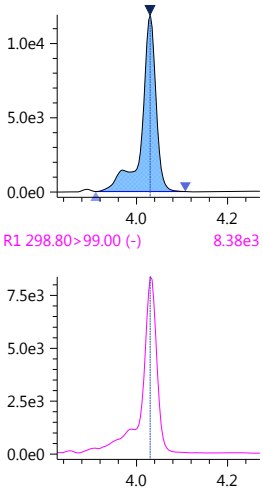


PFBS_1

Conc 0.0920
RT 4.030 Area 25838
R#1 62.32 (0.00)

Q 299.00>80.00 (-) 1.19e4

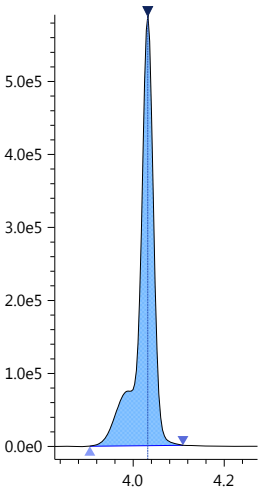
R1 298.80>99.00 (-) 8.38e3



PFBS-13C

Conc 4.4934
RT 4.032 Area 1281847

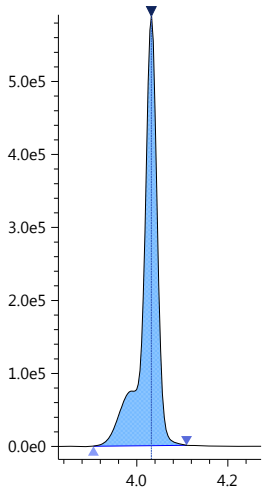
Q 301.80>80.00 (-) 5.91e5



PFBS-13C_IS

Conc 5.0000
RT 4.032 Area 1281847

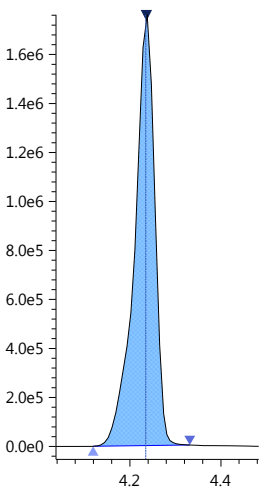
ISTD 301.80>80.00 (-) 5.91e5



PFHxA-13C_IS

Conc 5.0000
RT 4.236 Area 5429397

ISTD 314.90>270.10 (-) 1.76e6



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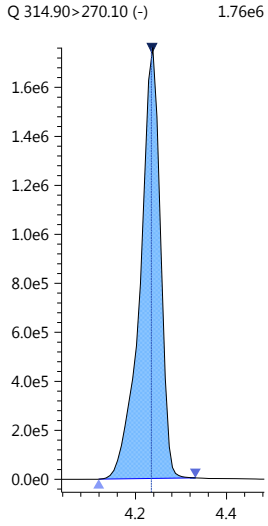
PFHxA-13C
Conc 4.1859
RT 4.236 Area 5429397



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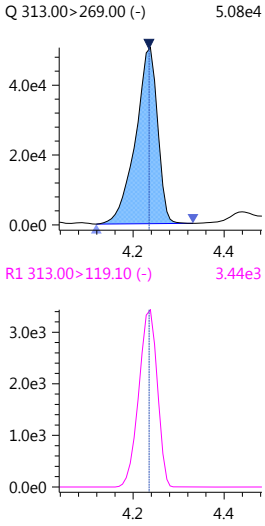
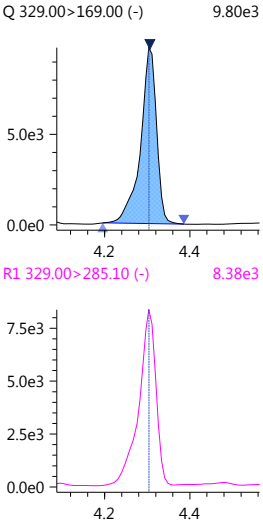
Conc 0.1082
RT 4.235 Area 169787
R#1 6.80 (0.00)



HPFO_DA
Conc 0.1069
RT 4.306 Area 25360
R#1 84.84 (0.00)



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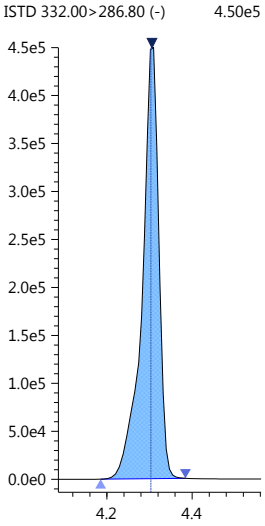
RT 4.306 Area 1217564



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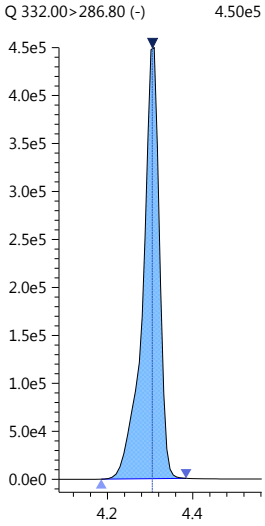
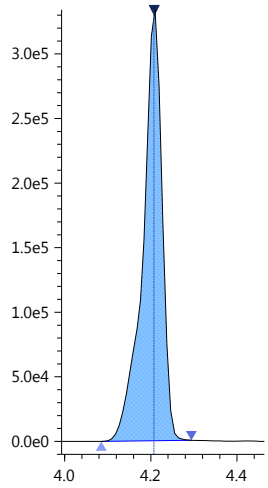
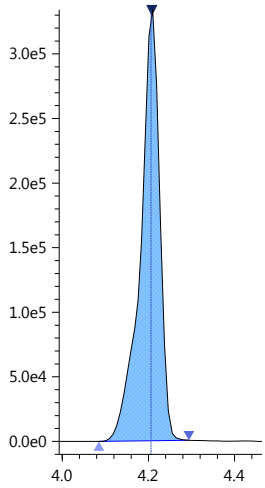
RT 4.306 Area 1217564



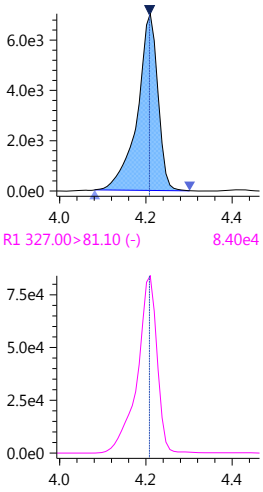
4_2-FTS-13C_IS
Conc 5.0000
RT 4.208 Area 1035124



4_2-FTS-13C
Conc 4.1794
RT 4.208 Area 1035124



4_2-FTS_1
Conc 0.1094
RT 4.208 Area 23178
R#1 1187.09 (0.00)



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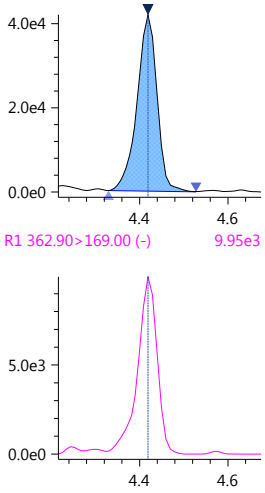
RT 4.419 Area 131608
R#1 23.42 (0.00)



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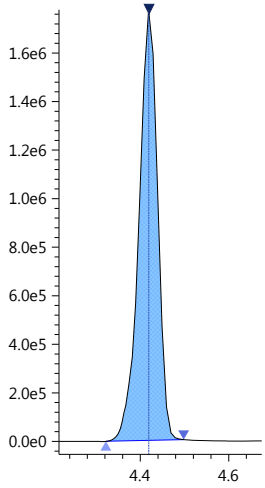
RT 4.420 Area 5208826



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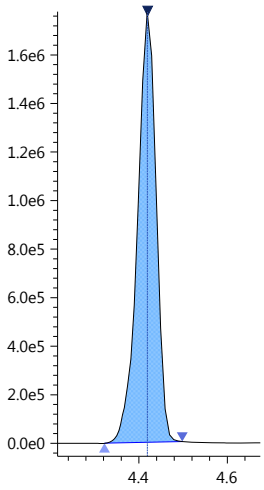
PFHpA-13C
Conc 4.6182
RT 4.420 Area 5208826
Q 366.90>322.10 (-) 1.78e6



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RT 4.421 Area 583826
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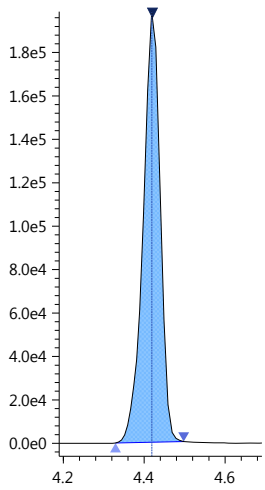

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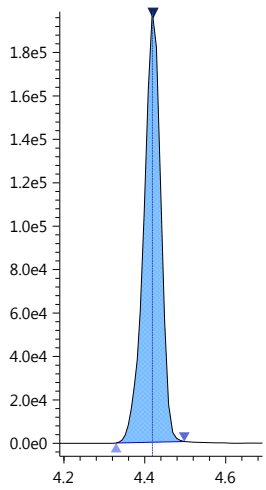

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RT 4.419 Area 13569
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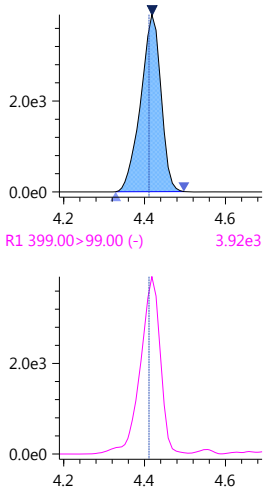
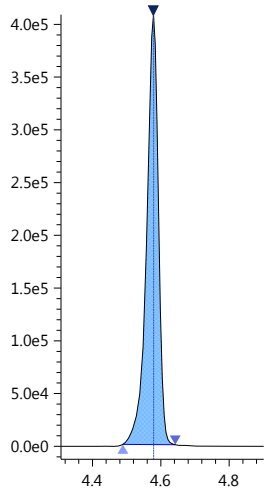
Q 399.00>80.00 (-) 3.90e3



6_2-FTS-13C
Conc 4.8562
RT 4.578 Area 972163
Q 428.90>409.00 (-) 4.09e5



6_2-FTS-13C_IS
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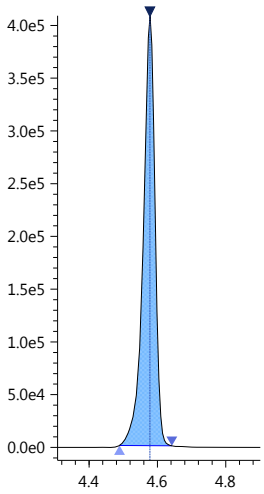
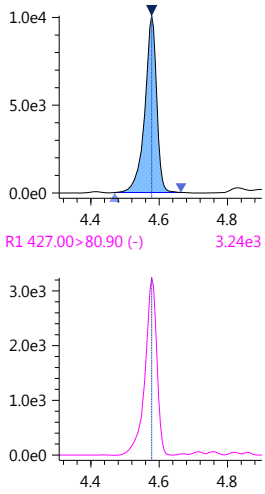
RT 4.578 Area 972163
ISTD 428.90>409.00 (-) 4.09e5



6_2-FTS_1
Conc 0.1120
RT 4.578 Area 24098
R#1 31.93 (0.00)
Q 427.00>407.00 (-) 1.01e4



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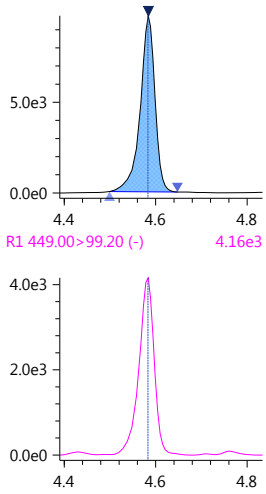
Conc 0.1058
RT 4.584 Area 21643
R#1 42.65 (0.00)
Q 449.00>80.15 (-) 9.77e3



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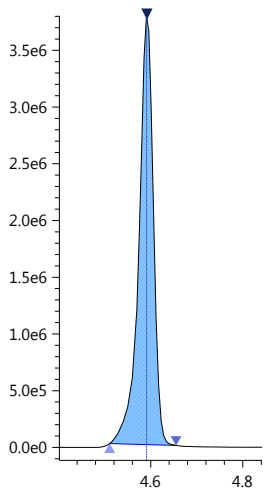
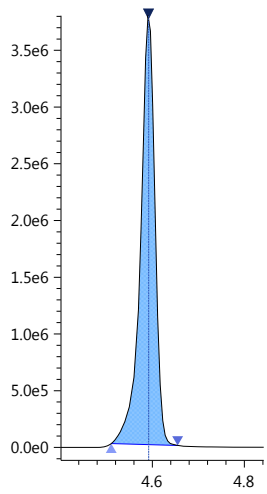
Conc 5.0000
RT 4.592 Area 8292403
ISTD 416.80>372.05 (-) 3.81e6



PFOA-13C
Conc 4.8821
RT 4.592 Area 8292403
Q 416.80>372.05 (-) 3.81e6



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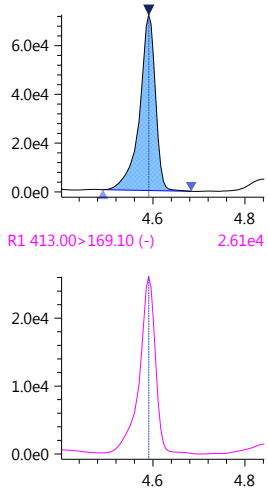
RT 4.591 Area 172338
R#1 36.14 (0.00)



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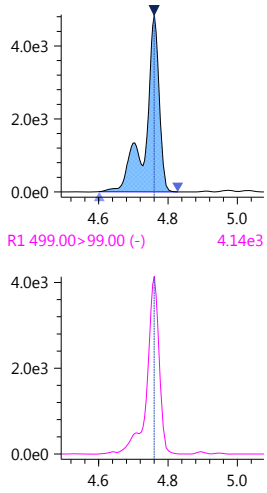
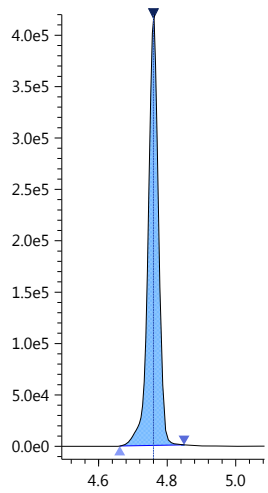
Conc 0.0981
RT 4.760 Area 13374
R#1 84.07 (0.00)



PFOS-13C_IS
Conc 5.0000
RT 4.760 Area 875820



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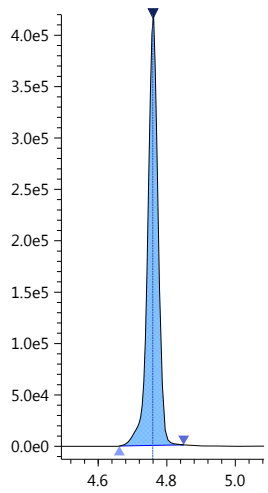
Conc 4.8971
RT 4.760 Area 875820



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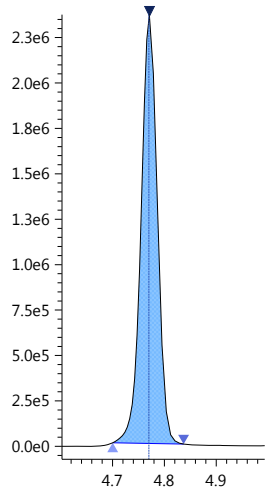
Conc 5.0000
RT 4.771 Area 5184598



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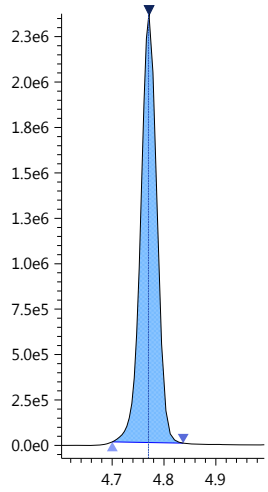
Conc 4.5253
RT 4.771 Area 5184598



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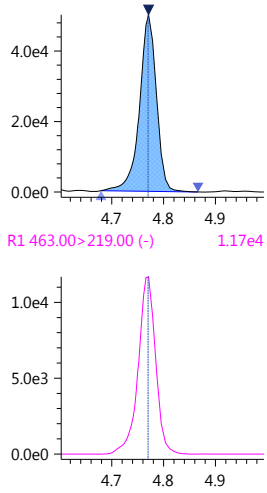
RT 4.771 Area 113849
R#1 22.42 (0.00)



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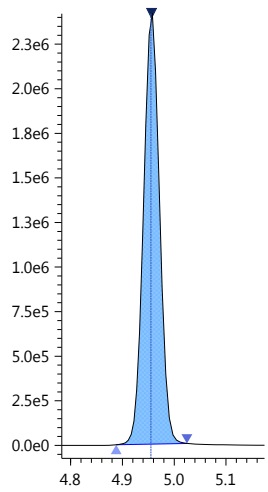
Conc 5.0000
RT 4.956 Area 5207929



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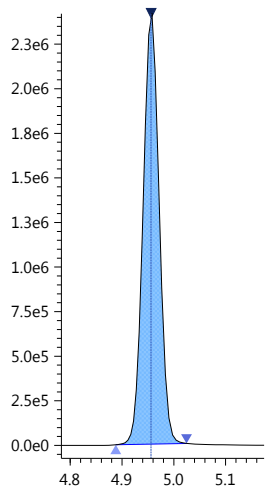
RT 4.956 Area 5207929



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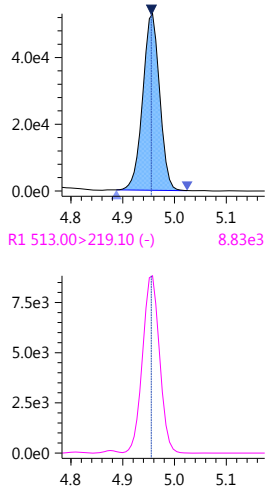
Conc 0.1126
RT 4.955 Area 120035
R#1 16.56 (0.00)



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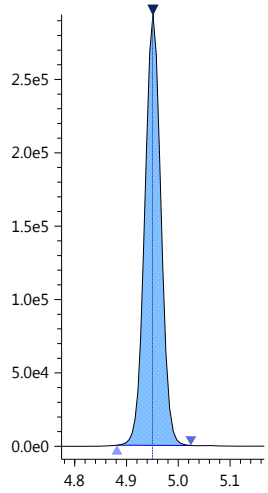
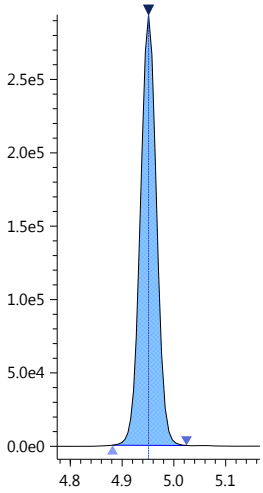
8_2-FTS-13C_IS
Conc 5.0000
RT 4.951 Area 640043

ISTD 528.80>509.00 (-) 2.94e5



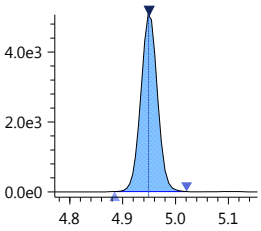
8_2-FTS-13C
Conc 4.9346
RT 4.951 Area 640043

Q 528.80>509.00 (-) 2.94e5

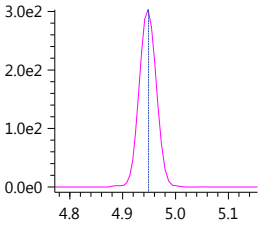


8_2-FTS_1
Conc 0.1018
RT 4.950 Area 11180
R#1 5.90 (6.32)

Q 527.10>506.90 (-) 5.07e3



R1 527.20>487.00 (-) 3.03e2



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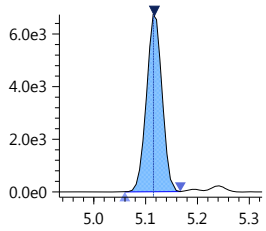
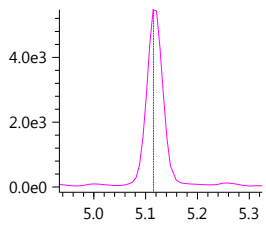
Conc 0.0939
RT 5.117 Area 14166
R#1 81.54 (0.00)

Q 599.00>79.90 (-) 6.74e3



R1 599.00>99.10 (-) 5.47e3



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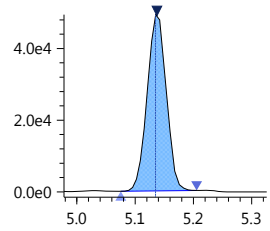
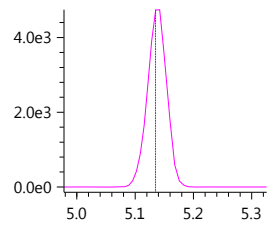
Conc 0.1042
RT 5.138 Area 112318
R#1 10.06 (0.00)

Q 563.00>518.90 (-) 4.95e4

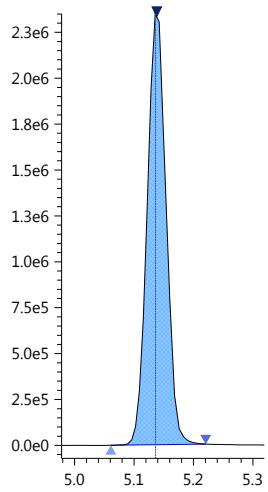


R1 563.00>219.00 (-) 4.74e3



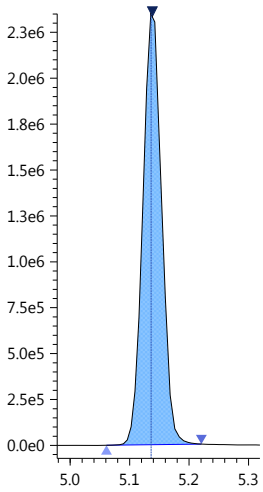
PFUnA-13C_IS
Conc 5.0000
RT 5.138 Area 5207584

ISTD 564.80>519.95 (-) 2.35e6



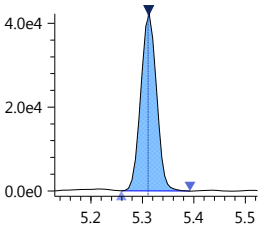
PFUnA-13C
Conc 4.9569
RT 5.138 Area 5207584

Q 564.80>519.95 (-) 2.35e6

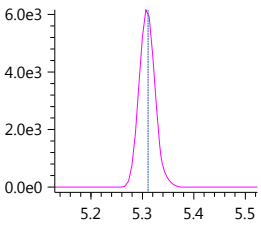


PFDoA
Conc 0.1044
RT 5.312 Area 90157
R#1 13.91 (0.00)

Q 613.05>569.00 (-) 4.23e4

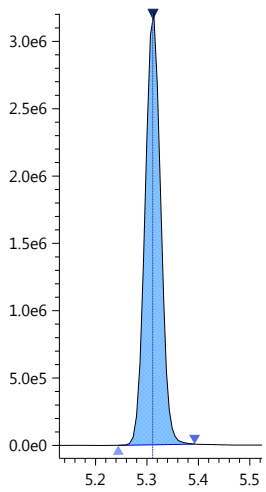


R1 613.05>169.00 (-) 6.16e3



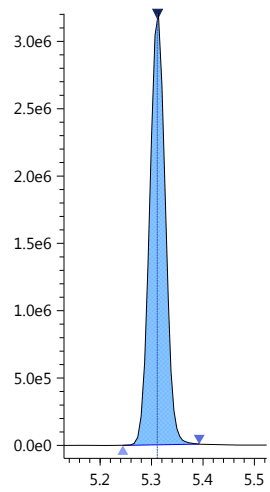
PFDoA-13C
Conc 4.6047
RT 5.312 Area 6809410

Q 614.80>569.95 (-) 3.21e6



PFDoA-13C_IS
Conc 5.0000
RT 5.312 Area 6809410

ISTD 614.80>569.95 (-) 3.21e6



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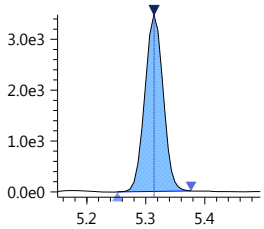
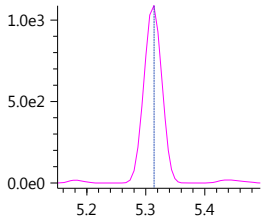
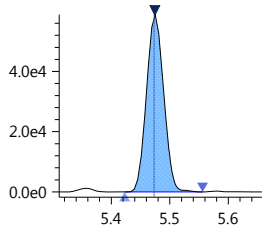
10_2-FtS_1
Conc 0.0955
RT 5.314 Area 7534
R#1 31.18 (0.00)
Q 627.00>606.95 (-) 3.49e3



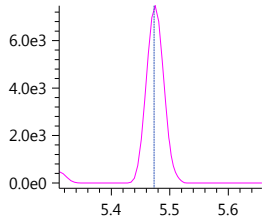
R1 627.00>81.25 (-) 1.09e3



PFTrDA
Conc 0.1076
RT 5.475 Area 120443
R#1 12.64 (0.00)
Q 663.00>618.90 (-) 5.89e4



R1 662.90>169.00 (-) 7.47e3



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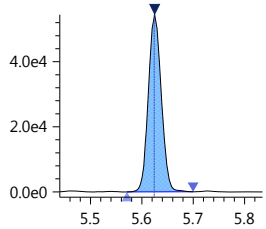
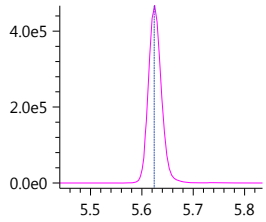
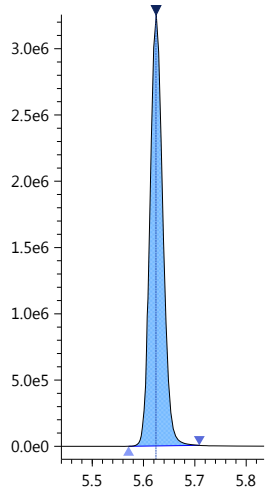
Conc 0.1083
RT 5.625 Area 95788
R#1 860.08 (0.00)
Q 713.40>669.00 (-) 5.45e4



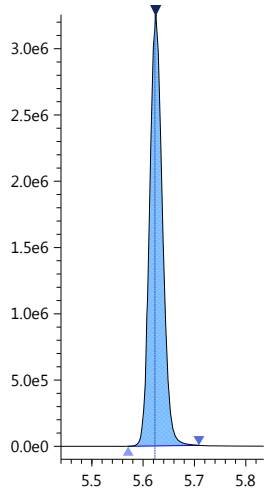
R1 713.40>169.10 (-) 4.67e5



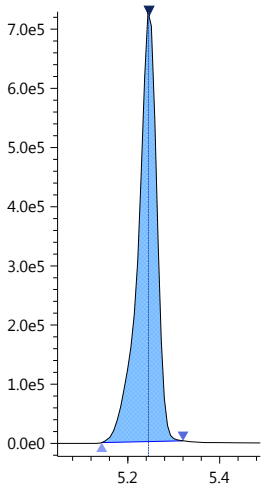
PFTeDA-13C
Conc 4.6137
RT 5.624 Area 5670724
Q 714.70>669.90 (-) 3.26e6



PFTeDA-13C_IS
Conc 5.0000
RT 5.624 Area 5670724
ISTD 714.70>669.90 (-) 3.26e6



FOSA-13C_IS
Conc 5.0000
RT 5.246 Area 2066876
ISTD 506.00>78.05 (-) 7.30e5



FOSA-13C
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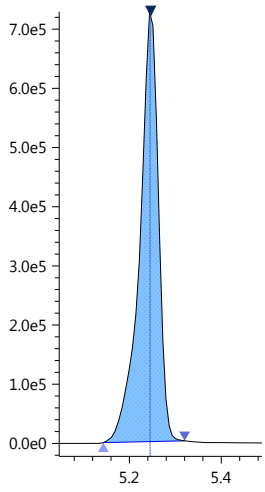
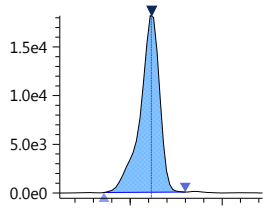
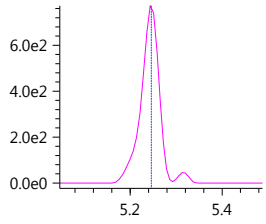
Q 506.00>78.05 (-) 7.30e5



FOSA
Conc 0.0978
RT 5.247 Area 53580
R#1 4.08 (0.00)
Q 498.20>78.00 (-) 1.82e4

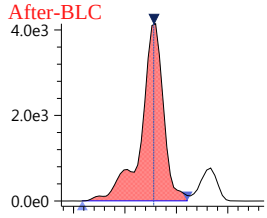


R1 498.20>64.10 (-) 7.72e2

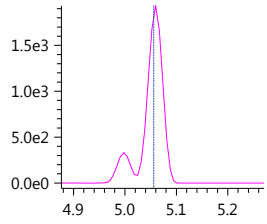


N-MeFOSAA
Conc 0.0768
RT 5.056 Area 12507
R#1 48.03 (0.00)
Q 570.20>419.00 (-) 4.15e3

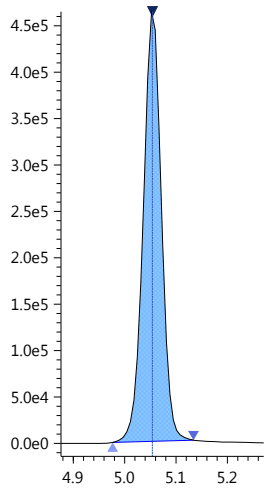
After-BLC



R1 570.20>512.00 (-) 1.93e3



N-MeFOSAA-d3
Conc 4.5611
RT 5.054 Area 1138977
Q 572.80>419.05 (-) 4.65e5



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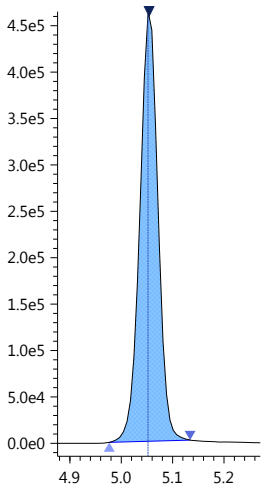
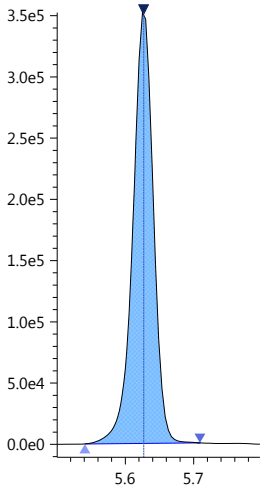
N-MeFOSAA-d3_IS
Conc 5.0000
RT 5.054 Area 1138977

ISTD 572.80>419.05 (-) 4.65e5



N-MeFOSA-d3_IS
Conc 5.0000
RT 5.627 Area 737380

ISTD 514.90>168.90 (-) 3.52e5



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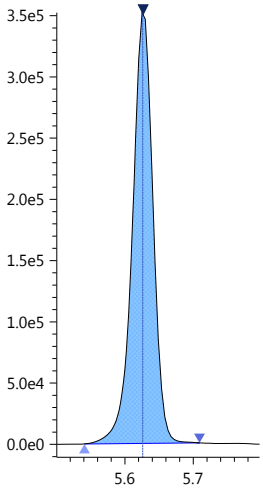
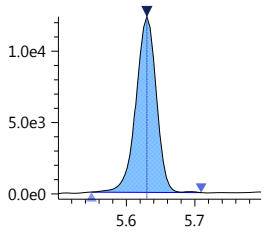
Conc 4.6894
RT 5.627 Area 737380

Q 514.90>168.90 (-) 3.52e5

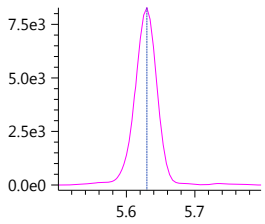


N-MeFOSA
Conc 0.1013
RT 5.630 Area 25470
R#1 65.78 (0.00)

Q 512.00>169.10 (-) 1.24e4

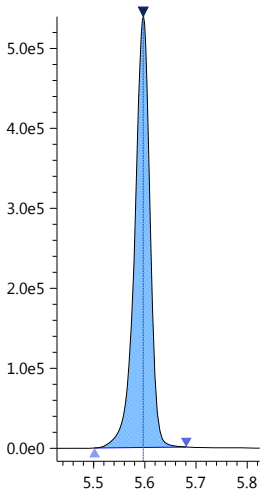


R1 512.00>219.00 (-) 8.28e3



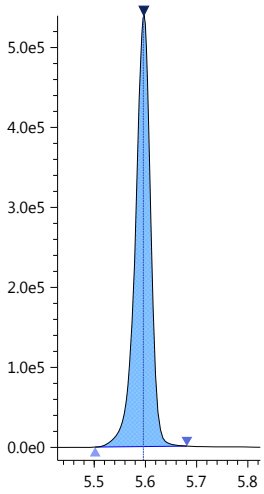
N-MeFOSE-d7
Conc 4.5615
RT 5.597 Area 1122524

Q 622.70>59.10 (-) 5.40e5



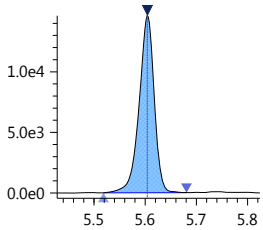
N-MeFOSE-d7_IS
Conc 5.0000
RT 5.597 Area 1122524

ISTD 622.70>59.10 (-) 5.40e5

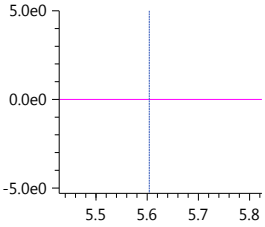


N-MeFOSE
Conc 0.1065
RT 5.604 Area 29978
R#1 0.00 (0.00)

Q 616.00>59.00 (-) 1.46e4



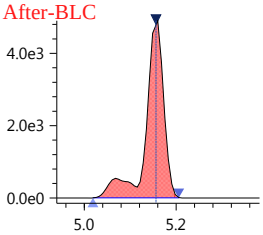
R1 556.00>121.20 (-) 0.00e0



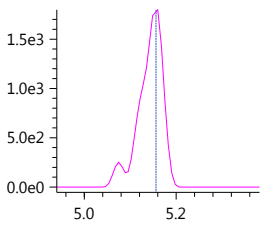
N-EtFOSAA
Conc 0.1233
RT 5.156 Area 13328
R#1 36.84 (0.00)

Q 584.20>418.95 (-) 4.90e3

After-BLC

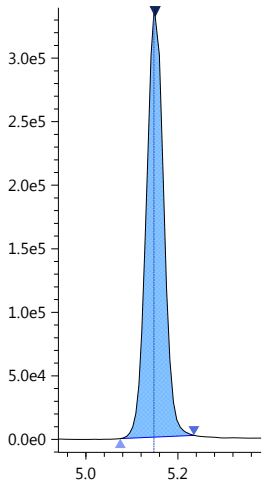


R1 584.20>526.10 (-) 1.80e3



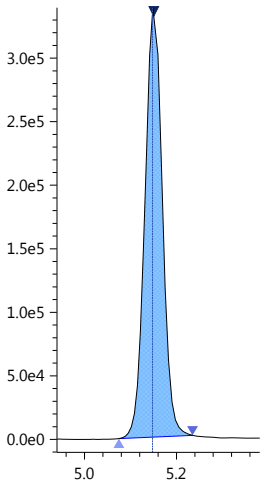
N-EtFOSAA-d5_IS
Conc 5.0000
RT 5.151 Area 892258

ISTD 588.80>419.00 (-) 3.40e5



N-EtFOSAA-d5
Conc 4.3875
RT 5.151 Area 892258

Q 588.80>419.00 (-) 3.40e5



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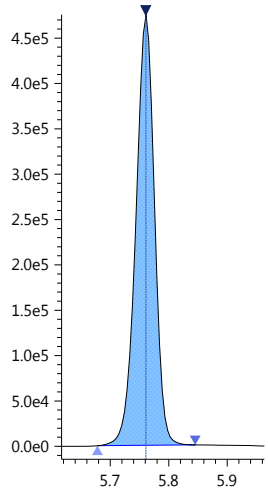
N-EtFOSA-d9_IS
Conc 5.0000
RT 5.761 Area 1053273
ISTD 530.90>169.15 (-) 4.76e5



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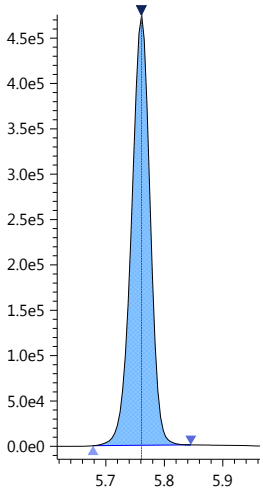
Q 530.90>169.15 (-) 4.76e5



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RT 5.766 Area 4650
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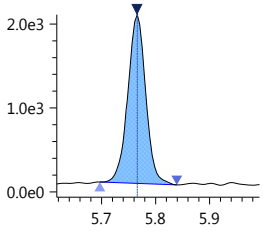
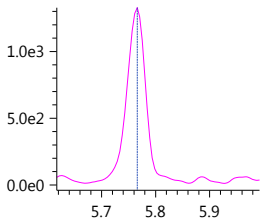
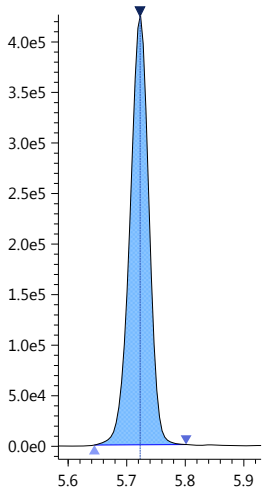
Q 526.90>169.10 (-) 2.11e3



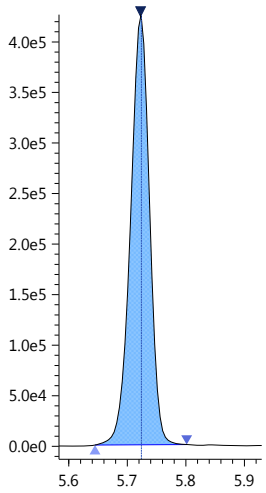
R1 526.90>219.00 (-) 1.33e3



N-EtFOSE-d9_IS
Conc 5.0000
RT 5.723 Area 962236
ISTD 638.70>59.10 (-) 4.27e5



N-EtFOSE-d9
Conc 4.4517
RT 5.723 Area 962236
Q 638.70>59.10 (-) 4.27e5



N-EtFOSE
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RT 5.734 Area 24034
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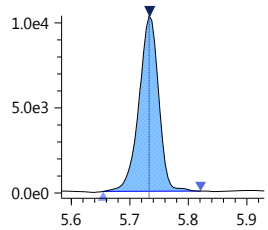
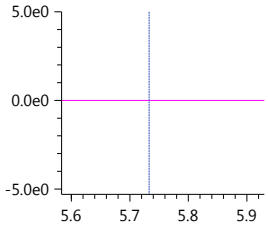
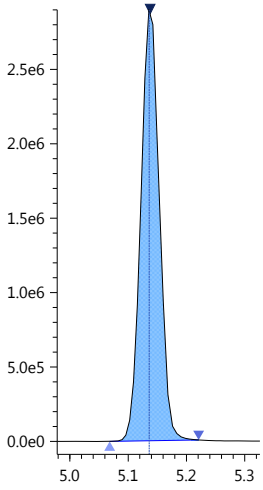
Q 630.00>58.90 (-) 1.04e4



R1 570.00>136.10 (-) 0.00e0

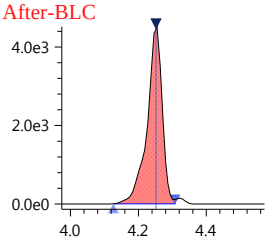


13C7-PFUnDA_IS
Conc 5.0000
RT 5.138 Area 6420170
ISTD 570.00>525.00 (-) 2.90e6

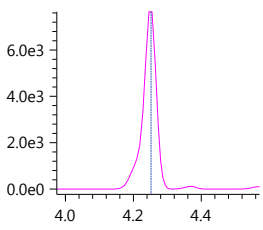


PFPeS
Conc 0.0989
RT 4.252 Area 13872
R#1 178.02 (0.00)
Q 349.00>99.00 (-) 4.52e3

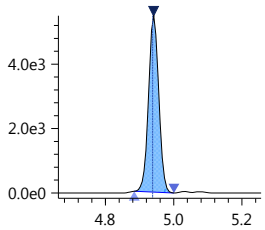
After-BLC



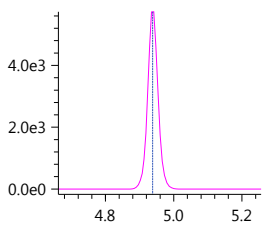
R1 349.00>79.95 (-) 7.65e3



PFNS
Conc 0.1011
RT 4.941 Area 11399
R#1 104.36 (0.00)
Q 549.00>99.00 (-) 5.51e3



R1 549.00>79.95 (-) 5.73e3



Insight Report

Printed at 6/25/2019 10:11:56 AM

190621_023

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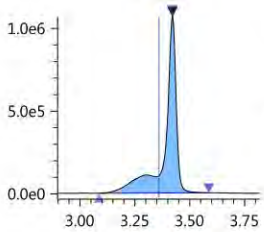
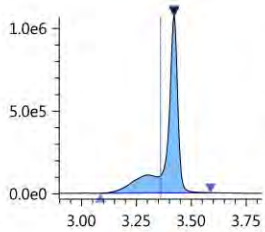
Date acquired: 6/24/2019 6:36:48 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190624_curve\190621_023.lcd
Vial: 29 | Inj. Volume: 15.0000uL | Tray: 1

PFBA-13C_IS
Conc 5.0000
RT 3.421 Area 3761287
ISTD 216.90>172.15 (-) 1.07e6



PFBA-13C
Conc 4.5071
RT 3.421 Area 3761287
Q 216.90>172.15 (-) 1.07e6



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Conc 0.0999
RT 3.422 Area 76995
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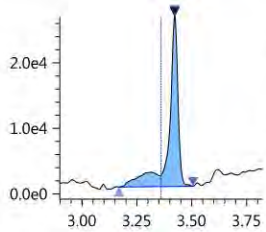

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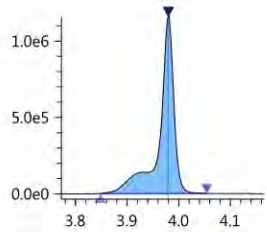
RT 3.980 Area 2261367
ISTD 267.90>223.00 (-) 1.16e6



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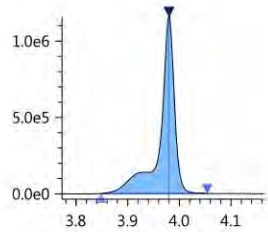

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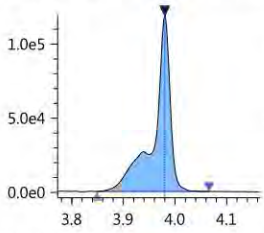
Q 263.05>219.10 (-) 1.20e5



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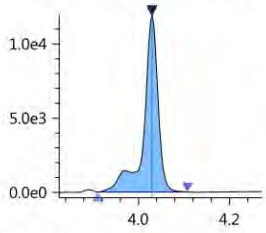

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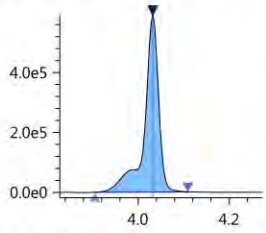
RT 4.032 Area 1281847
Q 301.80>80.00 (-) 5.91e5



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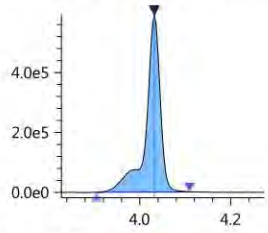

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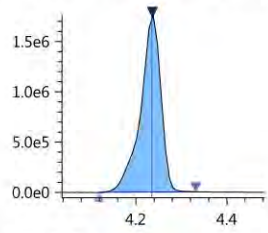

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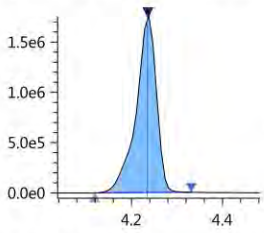

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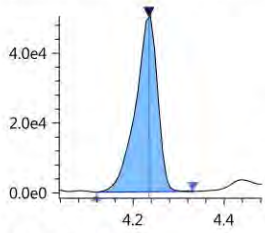

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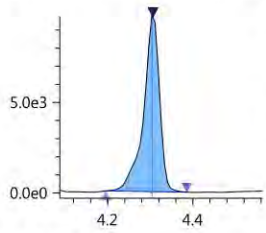

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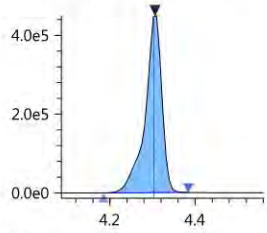
ISTD 332.00>286.80 (-) 4.50e5



HFPO_DA-13C
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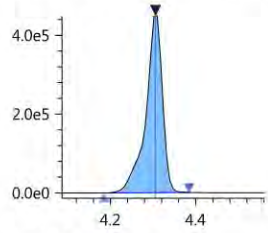
Q 332.00>286.80 (-) 4.50e5



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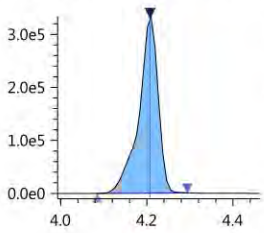

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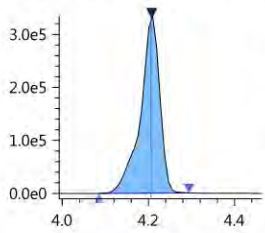

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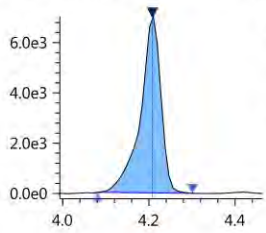

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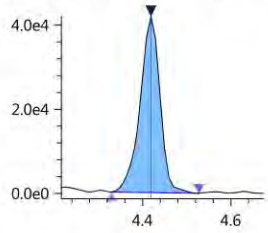

PFHpA-13C_IS
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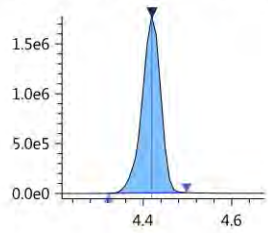
ISTD 366.90>322.10 (-) 1.78e6



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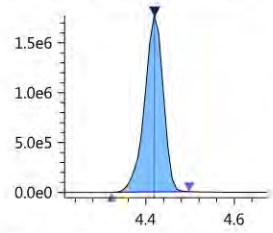

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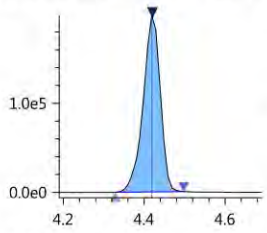

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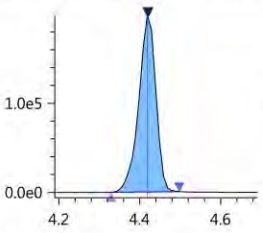

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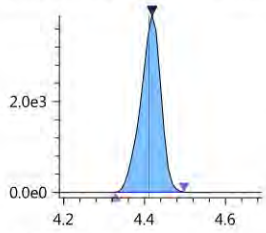

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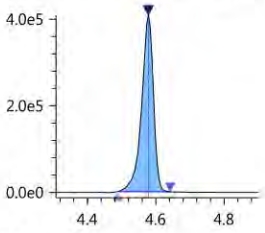
Q 428.90>409.00 (-) 4.09e5



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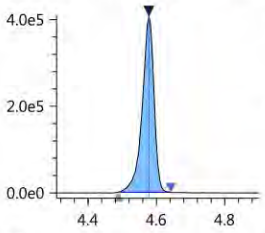
ISTD 428.90>409.00 (-) 4.09e5



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Conc 0.1120
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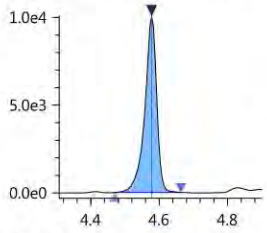

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Conc 0.1067
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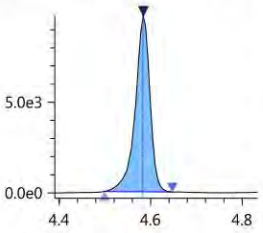

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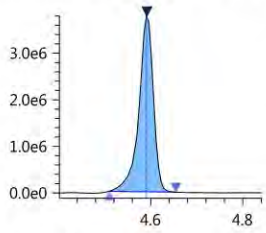

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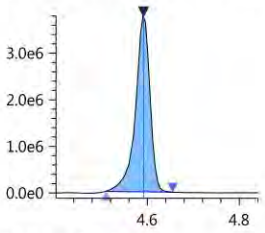

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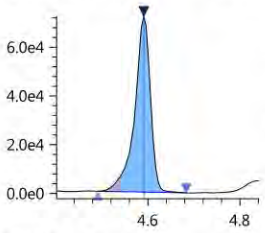

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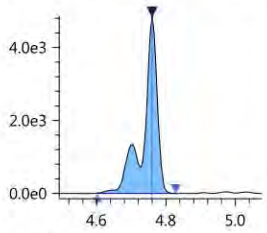
Q 499.00>80.00 (-) 4.86e3



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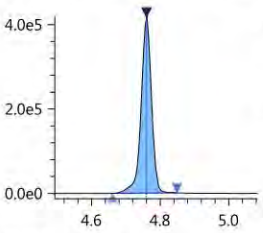

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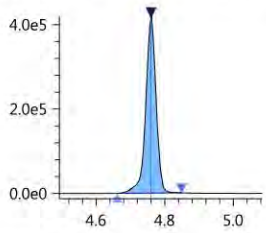

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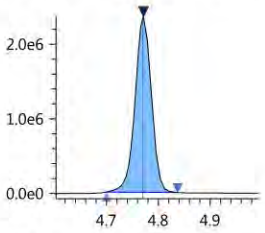
ISTD 467.80>423.00 (-) 2.38e6



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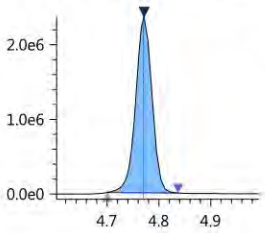
Conc 4.5253
RT 4.771 Area 5184598
Q 467.80>423.00 (-) 2.38e6



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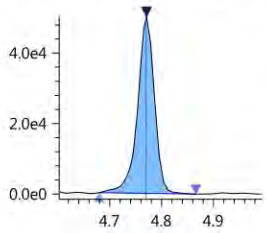

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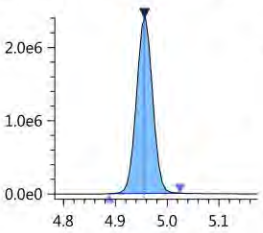

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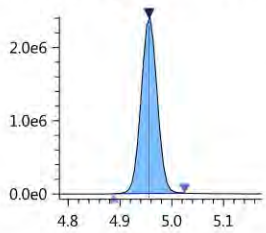

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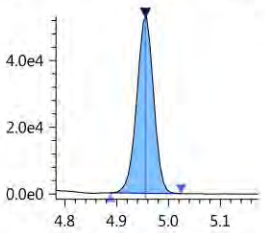
Q 513.00>468.80 (-) 5.31e4



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8_2-FTS-13C_IS
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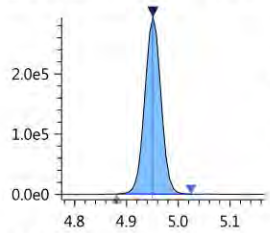
ISTD 528.80>509.00 (-) 2.94e5



8_2-FTS-13C
Conc 4.9346
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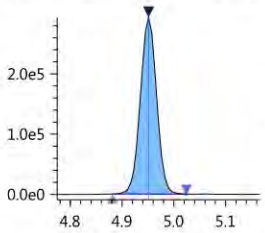
Q 528.80>509.00 (-) 2.94e5



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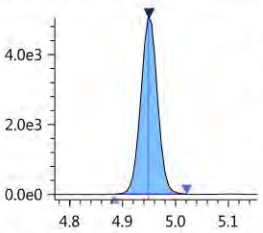
Q 527.10>506.90 (-) 5.07e3



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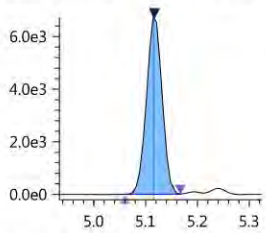

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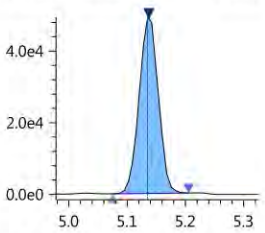

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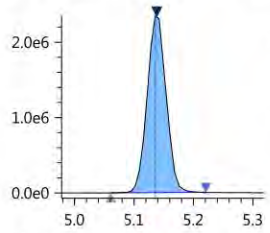
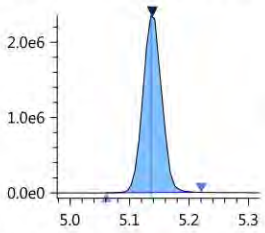
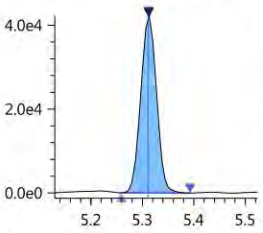
ISTD 564.80>519.95 (-) 2.35e6



PFUnA-13C
Conc 4.9569
RT 5.138 Area 5207584
Q 564.80>519.95 (-) 2.35e6



PFDoA
Conc 0.1115
RT 5.312 Area 90157
Q 613.05>569.00 (-) 4.23e4



PFDoA-13C
Conc 4.6047
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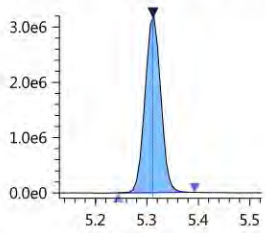
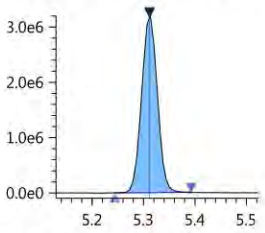
Q 614.80>569.95 (-) 3.21e6



PFDoA-13C_IS
Conc 5.0000
RT 5.312 Area 6809410
ISTD 614.80>569.95 (-) 3.21e6



10_2-FtS_1
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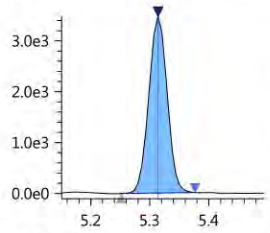

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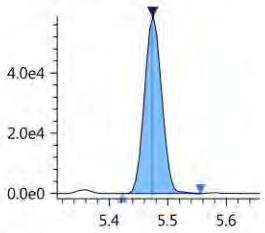
RT 5.475 Area 120443
Q 663.00>618.90 (-) 5.89e4



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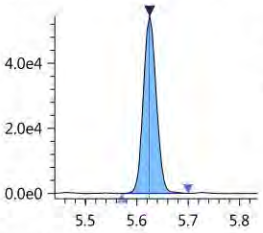
Q 713.40>669.00 (-) 5.45e4



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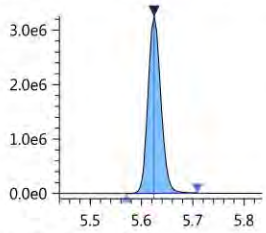
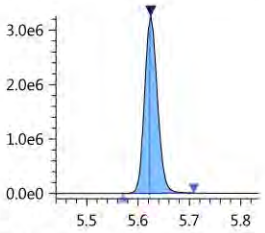
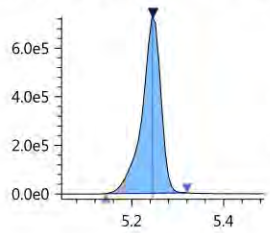
RT 5.624 Area 5670724
Q 714.70>669.90 (-) 3.26e6



PFTeDA-13C_IS
Conc 5.0000
RT 5.624 Area 5670724
ISTD 714.70>669.90 (-) 3.26e6



FOSA-13C_IS
Conc 5.0000
RT 5.246 Area 2066876
ISTD 506.00>78.05 (-) 7.30e5



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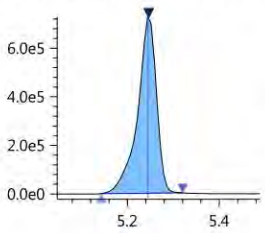

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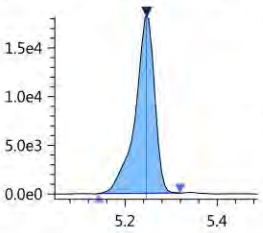
Q 498.20>78.00 (-) 1.82e4



N-MeFOSAA
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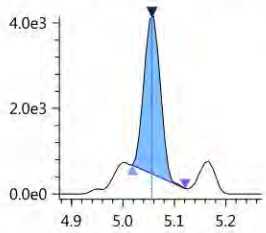
Q 570.20>419.00 (-) 4.15e3



N-MeFOSAA-d3
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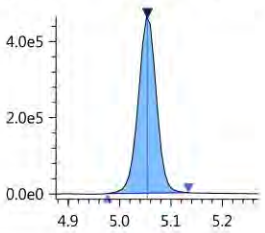

Insight Report

Printed at 6/25/2019 10:11:56 AM

N-MeFOSAA-d3_IS
Conc 5.0000
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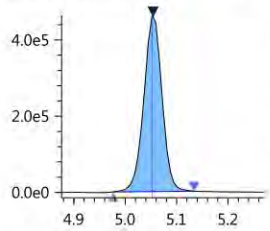
ISTD 572.80>419.05 (-) 4.65e5



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Conc 5.0000
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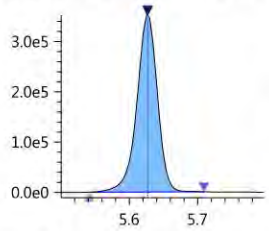
ISTD 514.90>168.90 (-) 3.52e5



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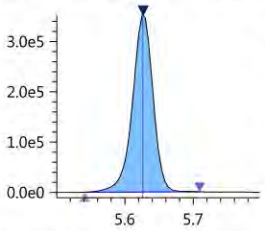

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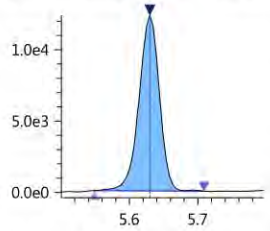
RT 5.630 Area 25470
Q 512.00>169.10 (-) 1.24e4



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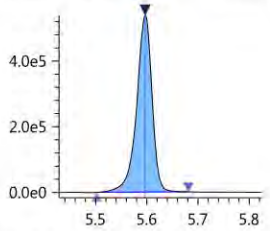
Conc 4.5615
RT 5.597 Area 1122524
Q 622.70>59.10 (-) 5.40e5



N-MeFOSE-d7_IS
Conc 5.0000
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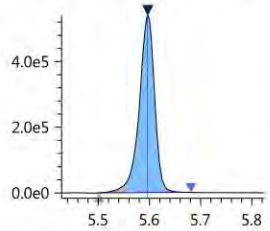
ISTD 622.70>59.10 (-) 5.40e5



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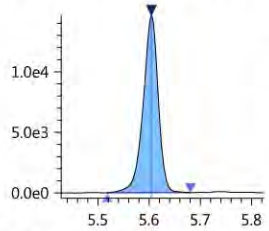
Conc 0.1065
RT 5.604 Area 29978
Q 616.00>59.00 (-) 1.46e4



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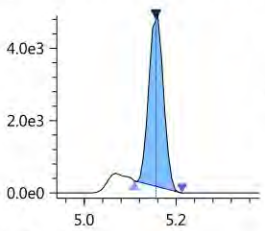
Conc 0.1012
RT 5.156 Area 10539
Q 584.20>418.95 (-) 4.90e3



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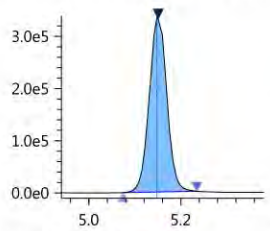
RT 5.151 Area 892258
ISTD 588.80>419.00 (-) 3.40e5



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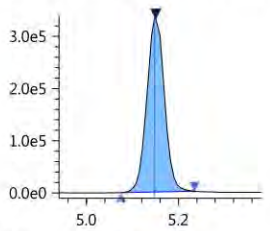

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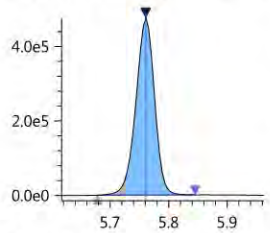
RT 5.761 Area 1053273
ISTD 530.90>169.15 (-) 4.76e5



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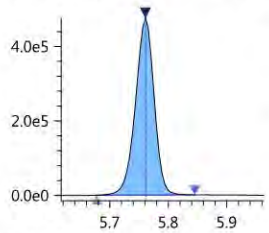

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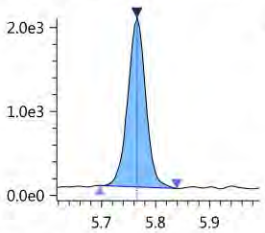
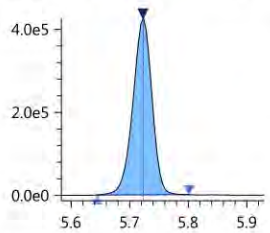
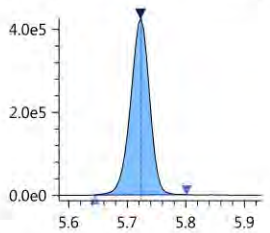
RT 5.766 Area 4650
Q 526.90>169.10 (-) 2.11e3



N-EtFOSE-d9_IS
Conc 5.0000
RT 5.723 Area 962236
ISTD 638.70>59.10 (-) 4.27e5



N-EtFOSE-d9
Conc 4.4517
RT 5.723 Area 962236
Q 638.70>59.10 (-) 4.27e5



N-EtFOSE
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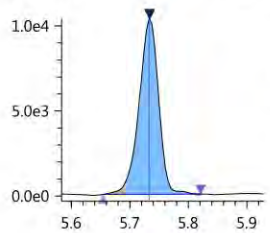
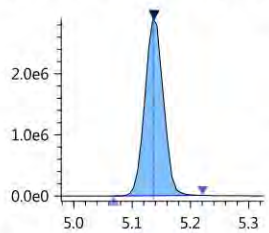
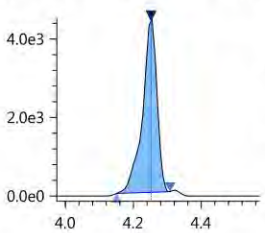
RT 5.734 Area 24034
Q 630.00>58.90 (-) 1.04e4



13C7-PFUnDA_IS
Conc 5.0000
RT 5.138 Area 6420170
ISTD 570.00>525.00 (-) 2.90e6



PFPeS
Conc 0.0951
RT 4.252 Area 13056
Q 349.00>99.00 (-) 4.52e3



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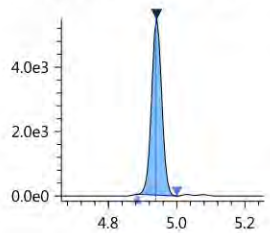
Conc 0.1011
RT 4.941 Area 11399
Q 549.00>99.00 (-) 5.51e3



Insight Report

Printed at 6/25/2019 10:29:14 AM

190621_024

Sample ID: 0.50 PPB ICAL
Date acquired: 6/24/2019 6:47:17 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190624_curve\190621_024.lcd
Vial: 30 | Inj. Volume: 15.0000uL | Tray: 1

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
PFBA-13C_IS	Auto	3.424	3903716	3903716	2	5.0000	ng/mL	5.0000
PFBA-13C	Auto	3.424	3903716	5872306	26	5.1142	ng/mL	5.0000
PFBA	Auto	3.425	415891	3903716	2	0.5199	ng/mL	0.5000
PFPeA-13C_IS	Auto	3.983	2347424	2347424	4	5.0000	ng/mL	5.0000
PFPeA-13C	Auto	3.983	2347424	5872306	26	5.1841	ng/mL	5.0000
PFPeA	Auto	3.984	739805	2347424	4	0.5164	ng/mL	0.5000
PFBS_1	Auto	4.034	132467	1316134	16	0.4594	ng/mL	0.4437
PFBS-13C	Auto	4.036	1316134	5872306	26	5.0440	ng/mL	5.0000
PFBS-13C_IS	Auto	4.036	1316134	1316134	16	5.0000	ng/mL	5.0000
PFHxA-13C_IS	Auto	4.241	7032683	7032683	6	5.0000	ng/mL	5.0000
PFHxA-13C	Auto	4.241	7032683	5872306	26	5.9278	ng/mL	5.0000
PFHxA	Auto	4.241	850919	7032683	6	0.5093	ng/mL	0.5000
HPFO_DA	Auto	4.310	114744	1166610	3	0.5049	ng/mL	0.5000
HFPO_DA-13C_IS	Auto	4.310	1166610	1166610	3	5.0000	ng/mL	5.0000
HFPO_DA-13C	Auto	4.310	1166610	5872306	26	4.7957	ng/mL	5.0000
4_2-FTS-13C_IS	Auto	4.213	1284347	1284347	5	5.0000	ng/mL	5.0000
4_2-FTS-13C	Auto	4.213	1284347	5872306	26	5.6695	ng/mL	5.0000
4_2-FTS_1	Auto	4.213	135452	1284347	5	0.5152	ng/mL	0.4686
PFHpA	Auto	4.424	640966	6285328	8	0.4970	ng/mL	0.5000
PFHpA-13C_IS	Auto	4.423	6285328	6285328	8	5.0000	ng/mL	5.0000
PFHpA-13C	Auto	4.423	6285328	5872306	26	6.0925	ng/mL	5.0000
PFHxS-18O_IS	Auto	4.424	768345	768345	7	5.0000	ng/mL	5.0000
PFHxS-18O	Auto	4.424	768345	5872306	26	6.4308	ng/mL	5.0000
PFHxS_1	Auto	4.422	85833	768345	7	0.4079	ng/mL	0.4565
6_2-FTS-13C	Auto	4.583	964453	5872306	26	5.2672	ng/mL	5.0000
6_2-FTS-13C_IS	Auto	4.583	964453	964453	10	5.0000	ng/mL	5.0000
6_2-FTS_1	Auto	4.583	105729	964453	10	0.4954	ng/mL	0.4756
PFHpS_1	Auto	4.589	105667	768345	7	0.3925	ng/mL	0.4767
PFOA-13C_IS	Auto	4.597	8054791	8054791	9	5.0000	ng/mL	5.0000
PFOA-13C	Auto	4.597	8054791	5872306	26	5.1847	ng/mL	5.0000
PFOA	Auto	4.597	744475	8054791	9	0.5274	ng/mL	0.5000
PFOS_1	Auto	4.764	63008	846929	13	0.4781	ng/mL	0.4646
PFOS-13C_IS	Auto	4.764	846929	846929	13	5.0000	ng/mL	5.0000
PFOS-13C	Auto	4.764	846929	5872306	26	5.1774	ng/mL	5.0000
PFNA-13C_IS	Auto	4.777	5666809	5666809	11	5.0000	ng/mL	5.0000
PFNA-13C	Auto	4.777	5666809	5872306	26	5.4077	ng/mL	5.0000
PFNA	Auto	4.776	506565	5666809	11	0.5161	ng/mL	0.5000
PFDA-13C_IS	Auto	4.961	5458300	5458300	12	5.0000	ng/mL	5.0000
PFDA-13C	Auto	4.961	5458300	5872306	26	5.4883	ng/mL	5.0000
PFDA	Auto	4.961	568244	5458300	12	0.5088	ng/mL	0.5000
8_2-FTS-13C_IS	Auto	4.956	664226	664226	15	5.0000	ng/mL	5.0000
8_2-FTS-13C	Auto	4.956	664226	5872306	26	5.5988	ng/mL	5.0000
8_2-FTS_1	Auto	4.955	58596	664226	15	0.5144	ng/mL	0.4800
PFDS_1	Auto	5.122	77894	846929	13	0.5341	ng/mL	0.4823
PFUnA	Auto	5.141	422578	4696933	14	0.5256	ng/mL	0.5000
PFUnA-13C_IS	Auto	5.141	4696933	4696933	14	5.0000	ng/mL	5.0000
PFUnA-13C	Auto	5.141	4696933	5872306	26	4.8880	ng/mL	5.0000
PFDoA	Auto	5.317	436605	7398727	17	0.5172	ng/mL	0.5000
PFDoA-13C	Auto	5.317	7398727	5872306	26	5.4700	ng/mL	5.0000
PFDoA-13C_IS	Auto	5.317	7398727	7398727	17	5.0000	ng/mL	5.0000
10_2-FtS_1	Auto	5.320	40472	664226	15	0.4946	ng/mL	0.4831
PFTrDA	Auto	5.480	578927	6202871	22	0.4942	ng/mL	0.5000
PFTeDA	Auto	5.629	260939	6202871	22	0.5021	ng/mL	0.5000
PFTeDA-13C	Auto	5.629	6202871	5872306	26	5.5175	ng/mL	5.0000
PFTeDA-13C_IS	Auto	5.629	6202871	6202871	22	5.0000	ng/mL	5.0000
FOSA-13C_IS	Auto	5.252	2176574	2176574	18	5.0000	ng/mL	5.0000
FOSA-13C	Auto	5.252	2176574	5872306	26	5.2682	ng/mL	5.0000
FOSA	Auto	5.252	300305	2176574	18	0.5204	ng/mL	0.5000
N-MeFOSAA	Auto	5.060	88112	1138927	19	0.5410	ng/mL	0.5000
N-MeFOSAA-d3	Auto	5.059	1138927	5872306	26	4.9865	ng/mL	5.0000
N-MeFOSAA-d3_IS	Auto	5.059	1138927	1138927	19	5.0000	ng/mL	5.0000
N-MeFOSA-d3_IS	Auto	5.632	748145	748145	1	5.0000	ng/mL	5.0000
N-MeFOSA-d3	Auto	5.632	748145	5872306	26	5.2018	ng/mL	5.0000
N-MeFOSA	Auto	5.635	134322	748145	1	0.5264	ng/mL	0.5000
N-MeFOSE-d7	Auto	5.602	1148364	5872306	26	5.1019	ng/mL	5.0000
N-MeFOSE-d7_IS	Auto	5.602	1148364	1148364	20	5.0000	ng/mL	5.0000
N-MeFOSE	Auto	5.609	145369	1148364	20	0.5049	ng/mL	0.5000
N-EtFOSAA	Auto	5.157	61716	1082674	21	0.4705	ng/mL	0.5000

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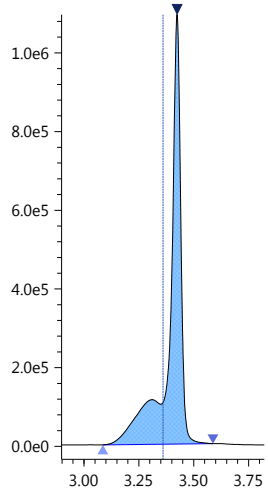
(Table continued from previous page)

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
N-EtFOSAA-d5_IS	Auto	5.155	1082674	1082674	21	5.0000	ng/mL	5.0000
N-EtFOSAA-d5	Auto	5.155	1082674	5872306	26	5.8205	ng/mL	5.0000
N-EtFOSA-d9_IS	Auto	5.766	1096048	1096048	23	5.0000	ng/mL	5.0000
N-EtFOSA-d9	Auto	5.766	1096048	5872306	26	5.2086	ng/mL	5.0000
N-EtFOSA	Auto	5.772	24364	1096048	23	0.5025	ng/mL	0.5000
N-EtFOSE-d9_IS	Auto	5.729	1046902	1046902	24	5.0000	ng/mL	5.0000
N-EtFOSE-d9	Auto	5.729	1046902	5872306	26	5.2952	ng/mL	5.0000
N-EtFOSE	Auto	5.739	126121	1046902	24	0.4970	ng/mL	0.5000
13C7-PFUnDA_IS	Auto	5.141	5872306	5872306	26	5.0000	ng/mL	5.0000
PFPeS	Auto	4.256	61773	1316134	16	0.4288	ng/mL	0.4705
PFNS	Auto	4.945	58341	846929	13	0.5348	ng/mL	0.4808

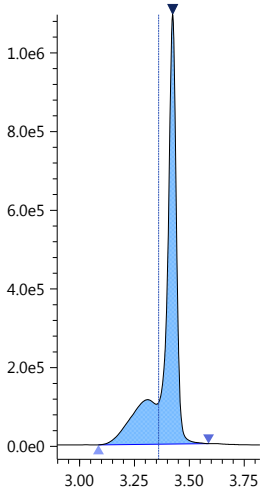
PFBA-13C_IS

Conc 5.0000
RT 3.424 Area 3903716
ISTD 216.90>172.15 (-) 1.10e6



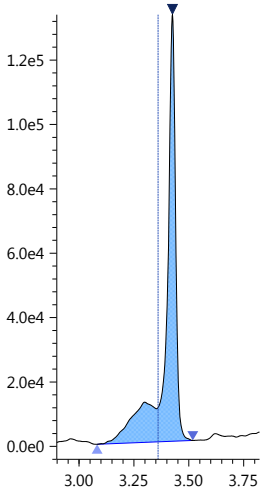
PFBA-13C

Conc 5.1142
RT 3.424 Area 3903716
Q 216.90>172.15 (-) 1.10e6



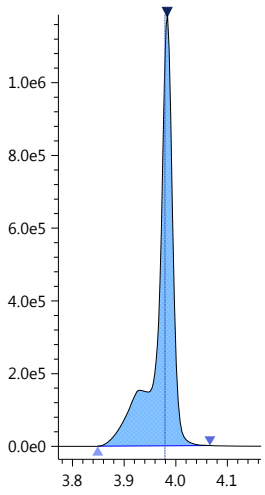
PFBA

Conc 0.5199
RT 3.425 Area 415891
Q 213.00>169.10 (-) 1.34e5



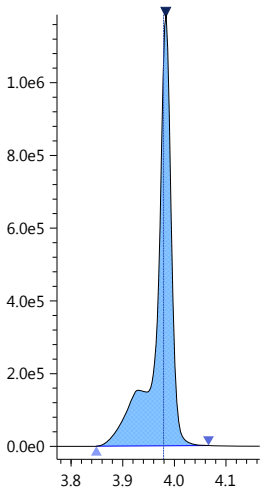
PFPeA-13C_IS

Conc 5.0000
RT 3.983 Area 2347424
ISTD 267.90>223.00 (-) 1.19e6



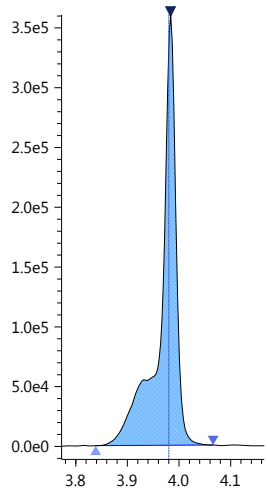
PFPeA-13C

Conc 5.1841
RT 3.983 Area 2347424
Q 267.90>223.00 (-) 1.19e6



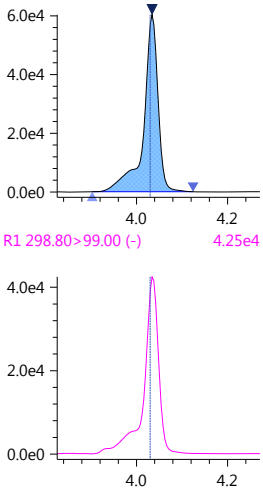
PFPeA

Conc 0.5164
RT 3.984 Area 739805
Q 263.05>219.10 (-) 3.61e5



PFBS_1

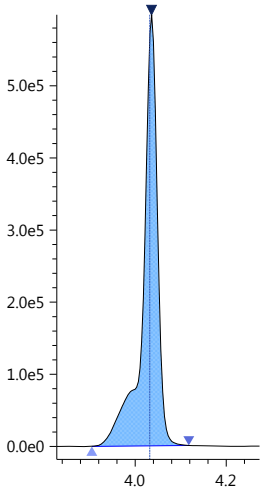
Conc 0.4594
RT 4.034 Area 132467
R#1 70.36 (0.00)
Q 299.00>80.00 (-) 6.04e4



R1 298.80>99.00 (-) 4.25e4

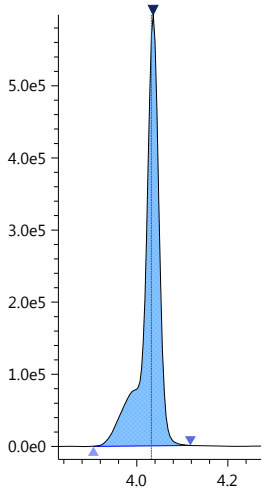
PFBS-13C

Conc 5.0440
RT 4.036 Area 1316134
Q 301.80>80.00 (-) 5.98e5



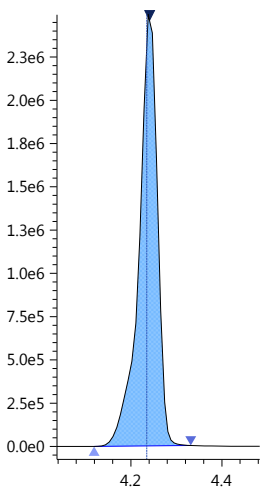
PFBS-13C_IS

Conc 5.0000
RT 4.036 Area 1316134
ISTD 301.80>80.00 (-) 5.98e5



PFHxA-13C_IS

Conc 5.0000
RT 4.241 Area 7032683
ISTD 314.90>270.10 (-) 2.49e6



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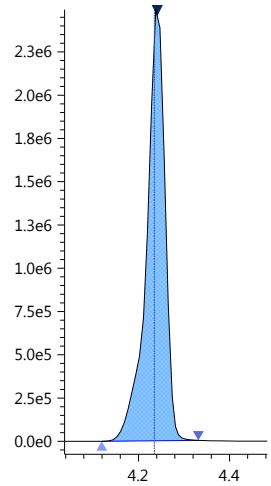
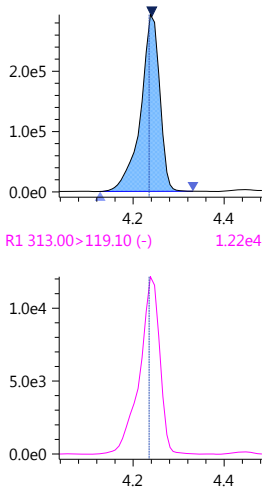
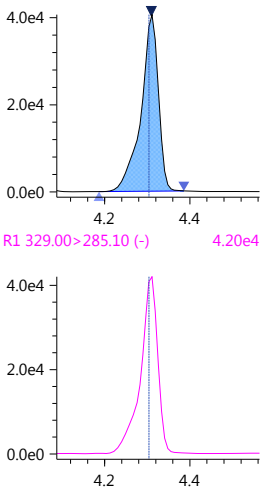
PFHxA-13C
Conc 5.9278
RT 4.241 Area 7032683
Q 314.90>270.10 (-) 2.49e6



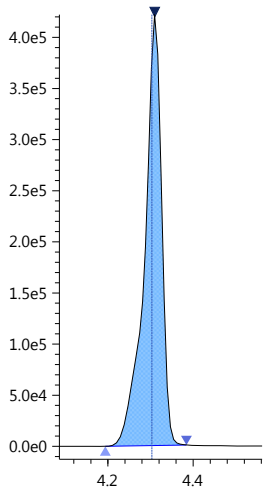
PFHxA
Conc 0.5093
RT 4.241 Area 850919
R#1 4.15 (0.00)
Q 313.00>269.00 (-) 2.94e5
R1 313.00>119.10 (-) 1.22e4



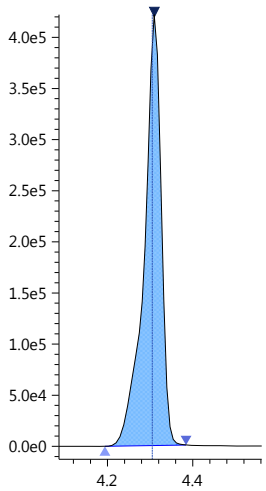
HPFO_DA
Conc 0.5049
RT 4.310 Area 114744
R#1 102.83 (0.00)
Q 329.00>169.00 (-) 4.07e4
R1 329.00>285.10 (-) 4.20e4



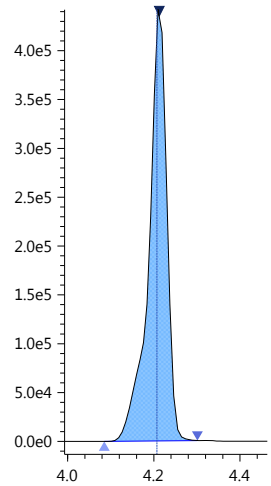
HFPO_DA-13C_IS
Conc 5.0000
RT 4.310 Area 1166610
ISTD 332.00>286.80 (-) 4.22e5



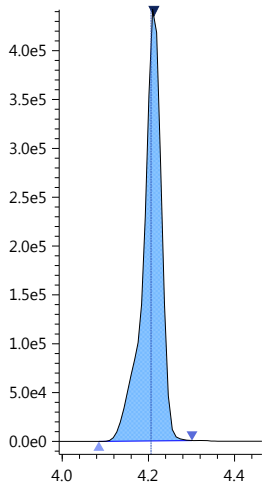
HFPO_DA-13C
Conc 4.7957
RT 4.310 Area 1166610
Q 332.00>286.80 (-) 4.22e5



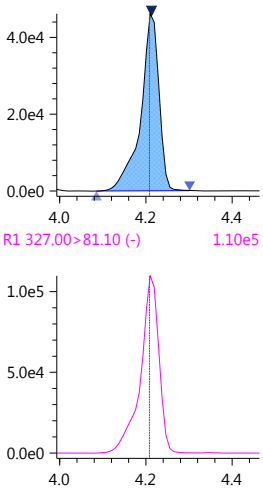
4_2-FTS-13C_IS
Conc 5.0000
RT 4.213 Area 1284347
ISTD 328.80>309.05 (-) 4.42e5



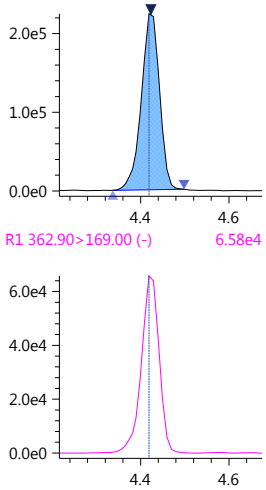
4_2-FTS-13C
Conc 5.6695
RT 4.213 Area 1284347
Q 328.80>309.05 (-) 4.42e5



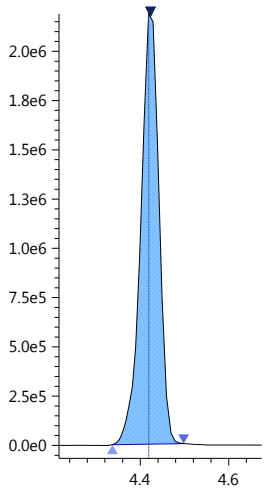
4_2-FTS_1
Conc 0.5152
RT 4.213 Area 135452
R#1 238.27 (0.00)
Q 327.00>307.05 (-) 4.62e4
R1 327.00>81.10 (-) 1.10e5



PFHpA
Conc 0.4970
RT 4.424 Area 640966
R#1 28.84 (0.00)
Q 362.90>319.00 (-) 2.25e5
R1 362.90>169.00 (-) 6.58e4



PFHpA-13C_IS
Conc 5.0000
RT 4.423 Area 6285328
ISTD 366.90>322.10 (-) 2.19e6



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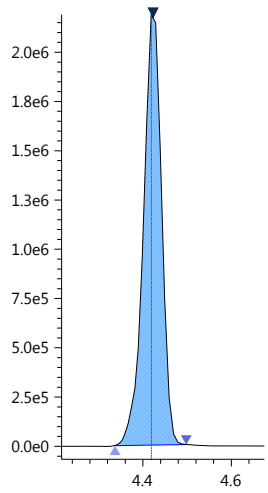
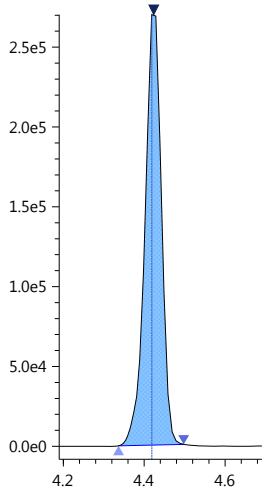
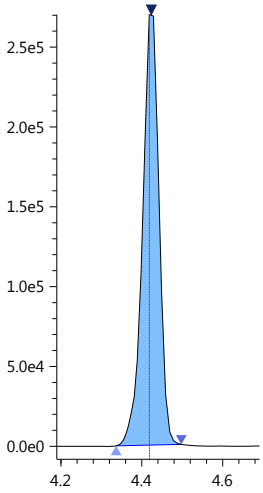
PFHpA-13C
Conc 6.0925
RT 4.423 Area 6285328



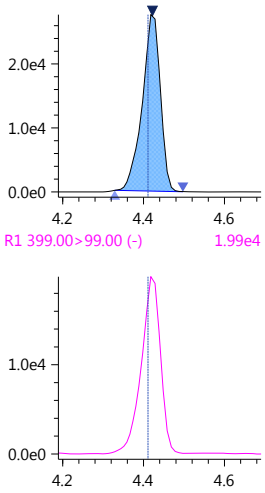
PFHxS-18O_IS
Conc 5.0000
RT 4.424 Area 768345



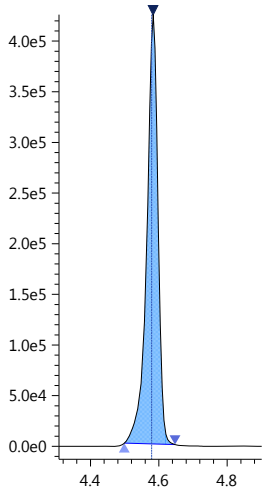
PFHxS-18O
Conc 6.4308
RT 4.424 Area 768345



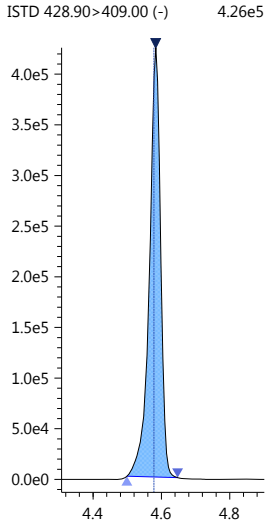
PFHxS_1
Conc 0.4079
RT 4.422 Area 85833
R#1 71.74 (0.00)



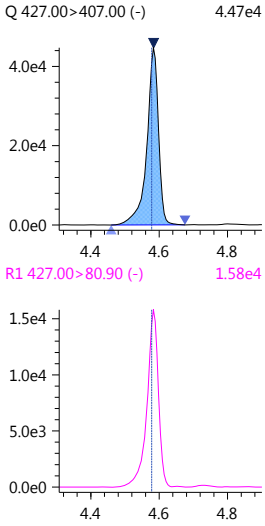
6_2-FTS-13C
Conc 5.2672
RT 4.583 Area 964453



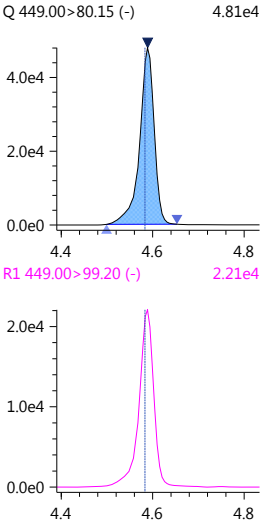
6_2-FTS-13C_IS
Conc 5.0000
RT 4.583 Area 964453



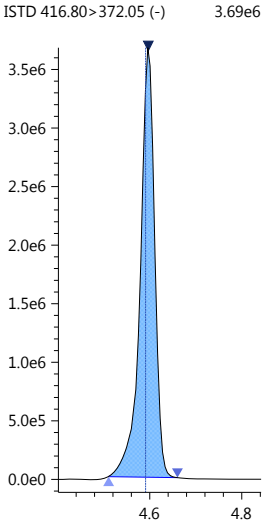
6_2-FTS_1
Conc 0.4954
RT 4.583 Area 105729
R#1 35.50 (0.00)



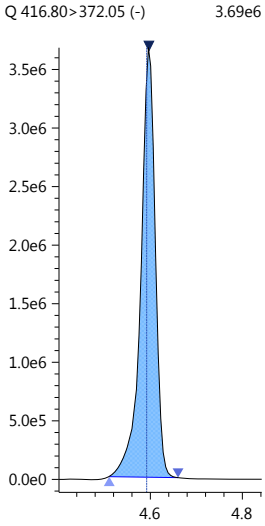
PFHpS_1
Conc 0.3925
RT 4.589 Area 105667
R#1 45.82 (0.00)



PFOA-13C_IS
Conc 5.0000
RT 4.597 Area 8054791



PFOA-13C
Conc 5.1847
RT 4.597 Area 8054791



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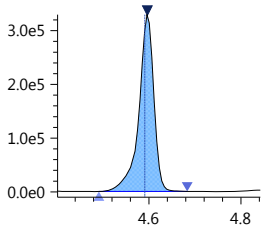
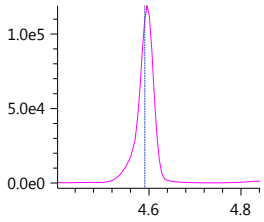
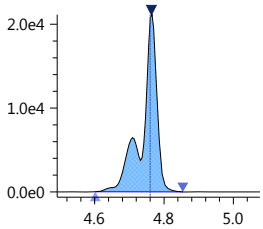
PFOA
Conc 0.5274
RT 4.597 Area 744475
R#1 36.08 (0.00)
Q 413.00>369.00 (-) 3.30e5



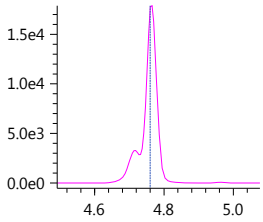
R1 413.00>169.10 (-) 1.19e5



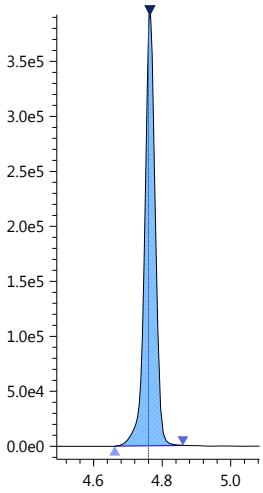
PFOS_1
Conc 0.4781
RT 4.764 Area 63008
R#1 84.16 (0.00)
Q 499.00>80.00 (-) 2.12e4



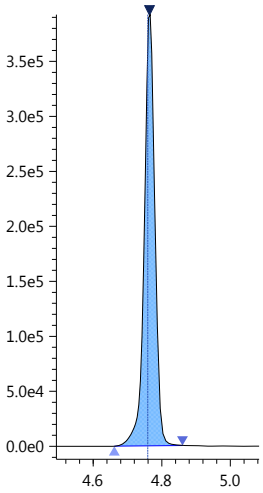
R1 499.00>99.00 (-) 1.79e4



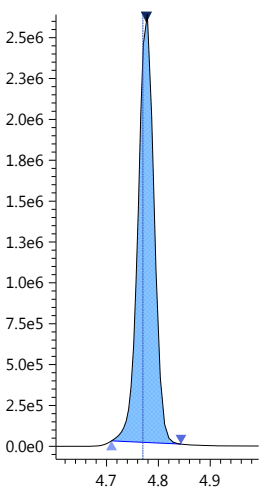
PFOS-13C_IS
Conc 5.0000
RT 4.764 Area 846929
ISTD 502.80>80.05 (-) 3.93e5



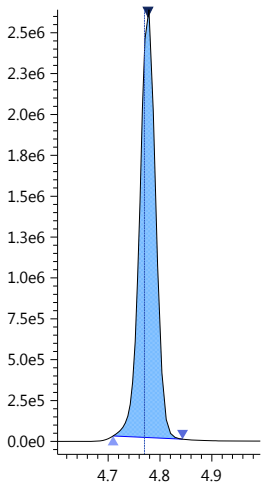
PFOS-13C
Conc 5.1774
RT 4.764 Area 846929
Q 502.80>80.05 (-) 3.93e5



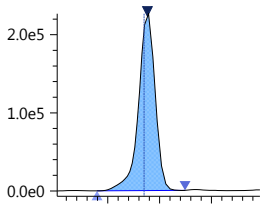
PFNA-13C_IS
Conc 5.0000
RT 4.777 Area 5666809
ISTD 467.80>423.00 (-) 2.64e6



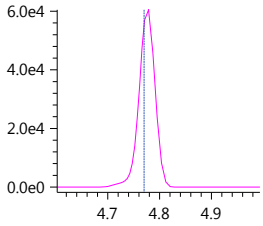
PFNA-13C
Conc 5.4077
RT 4.777 Area 5666809
Q 467.80>423.00 (-) 2.64e6



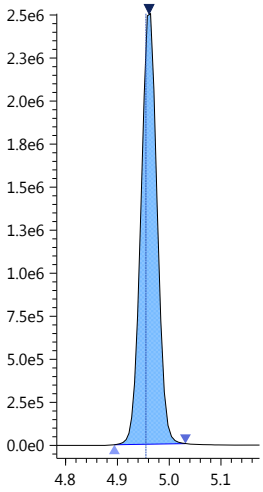
PFNA
Conc 0.5161
RT 4.776 Area 506565
R#1 26.73 (0.00)
Q 463.00>418.90 (-) 2.27e5



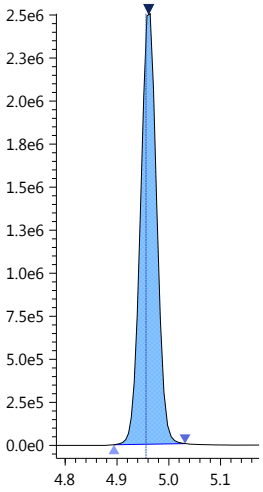
R1 463.00>219.00 (-) 6.05e4



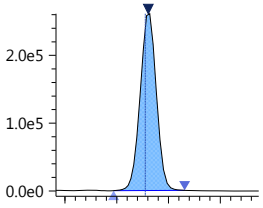
PFDA-13C_IS
Conc 5.0000
RT 4.961 Area 5458300
ISTD 514.80>469.95 (-) 2.51e6



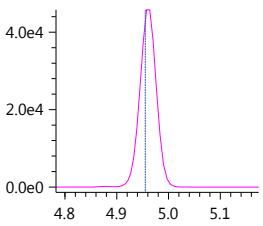
PFDA-13C
Conc 5.4883
RT 4.961 Area 5458300
Q 514.80>469.95 (-) 2.51e6



PFDA
Conc 0.5088
RT 4.961 Area 568244
R#1 17.48 (0.00)
Q 513.00>468.80 (-) 2.61e5



R1 513.00>219.10 (-) 4.58e4



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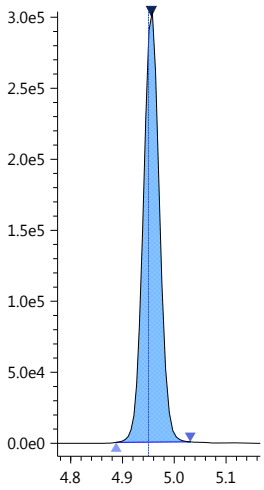
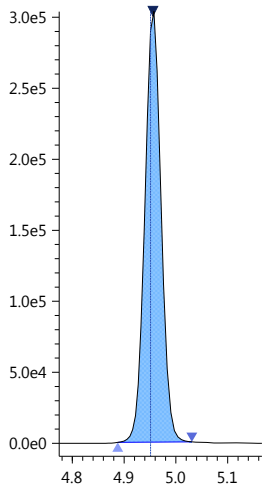
8_2-FTS-13C_IS
Conc 5.0000
RT 4.956 Area 664226

ISTD 528.80>509.00 (-) 3.04e5



8_2-FTS-13C
Conc 5.5988
RT 4.956 Area 664226

Q 528.80>509.00 (-) 3.04e5



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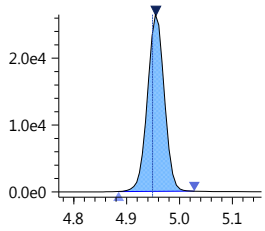
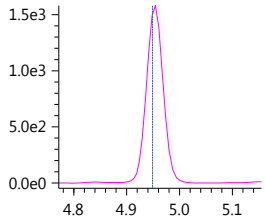
Conc 0.5144
RT 4.955 Area 58596
R#1 5.96 (6.32)

Q 527.10>506.90 (-) 2.65e4

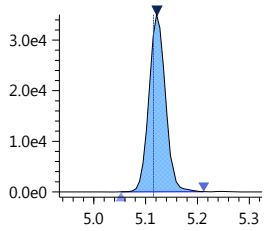


R1 527.20>487.00 (-) 1.58e3

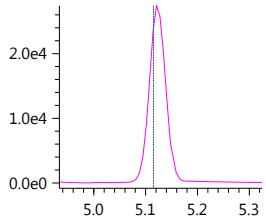


PFDS_1
Conc 0.5341
RT 5.122 Area 77894
R#1 77.84 (0.00)

Q 599.00>79.90 (-) 3.50e4

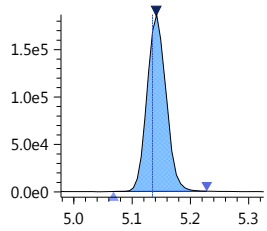


R1 599.00>99.10 (-) 2.74e4

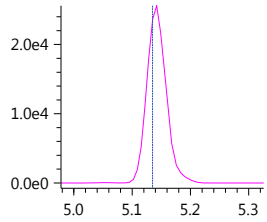


PFUnA
Conc 0.5256
RT 5.141 Area 422578
R#1 13.66 (0.00)

Q 563.00>518.90 (-) 1.87e5

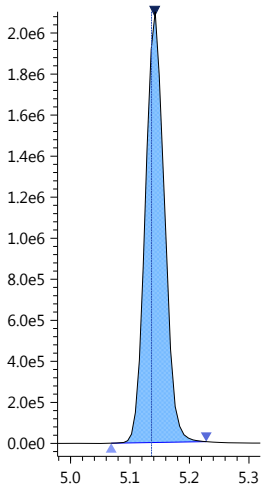


R1 563.00>219.00 (-) 2.56e4



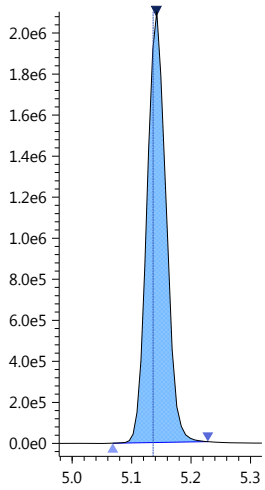
PFUnA-13C_IS
Conc 5.0000
RT 5.141 Area 4696933

ISTD 564.80>519.95 (-) 2.10e6



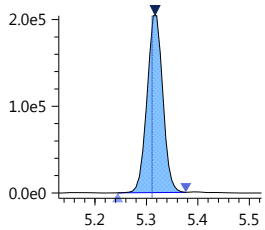
PFUnA-13C
Conc 4.8880
RT 5.141 Area 4696933

Q 564.80>519.95 (-) 2.10e6

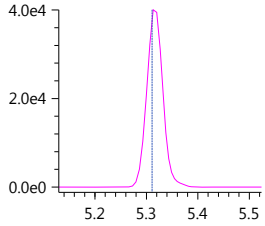


PFDoA
Conc 0.5172
RT 5.317 Area 436605
R#1 19.51 (0.00)

Q 613.05>569.00 (-) 2.04e5

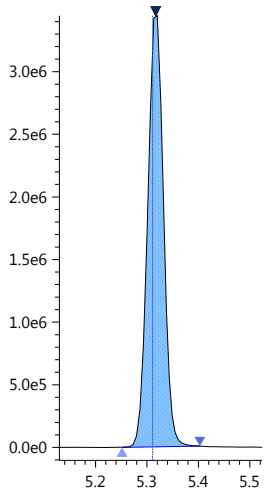


R1 613.05>169.00 (-) 4.01e4



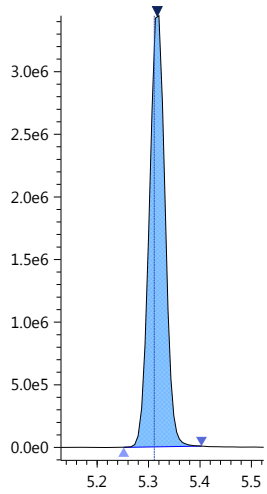
PFDoA-13C
Conc 5.4700
RT 5.317 Area 7398727

Q 614.80>569.95 (-) 3.45e6



PFDoA-13C_IS
Conc 5.0000
RT 5.317 Area 7398727

ISTD 614.80>569.95 (-) 3.45e6



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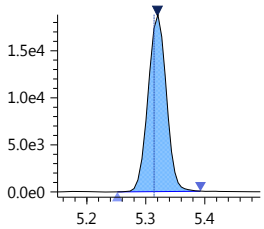
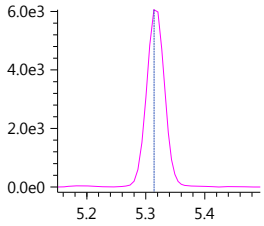
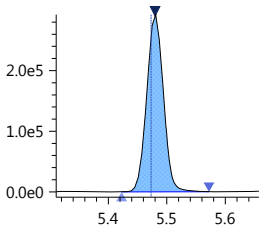
10_2-FtS_1
Conc 0.4946
RT 5.320 Area 40472
R#1 31.71 (0.00)
Q 627.00>606.95 (-) 1.88e4



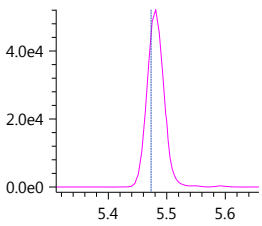
R1 627.00>81.25 (-) 6.06e3



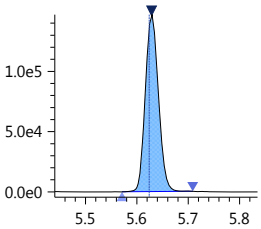
PFTrDA
Conc 0.4942
RT 5.480 Area 578927
R#1 17.83 (0.00)
Q 663.00>618.90 (-) 2.92e5



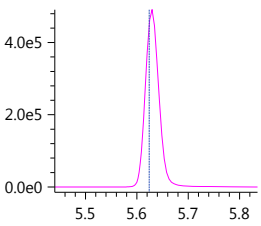
R1 662.90>169.00 (-) 5.21e4



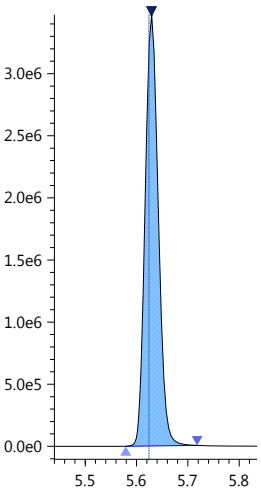
PFTeDA
Conc 0.5021
RT 5.629 Area 260939
R#1 328.51 (0.00)
Q 713.40>669.00 (-) 1.47e5



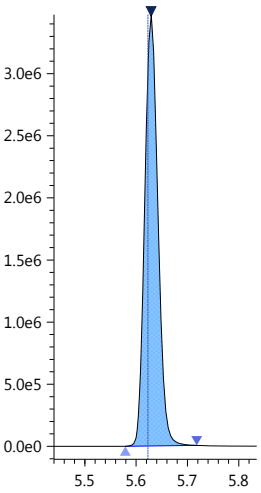
R1 713.40>169.10 (-) 4.91e5



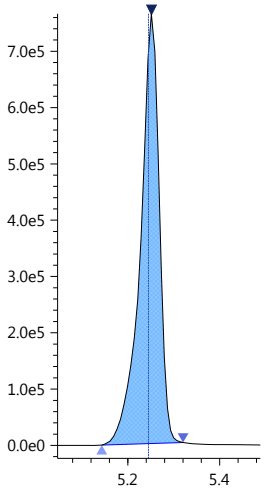
PFTeDA-13C
Conc 5.5175
RT 5.629 Area 6202871
Q 714.70>669.90 (-) 3.48e6



PFTeDA-13C_IS
Conc 5.0000
RT 5.629 Area 6202871
ISTD 714.70>669.90 (-) 3.48e6



FOSA-13C_IS
Conc 5.0000
RT 5.252 Area 2176574
ISTD 506.00>78.05 (-) 7.67e5



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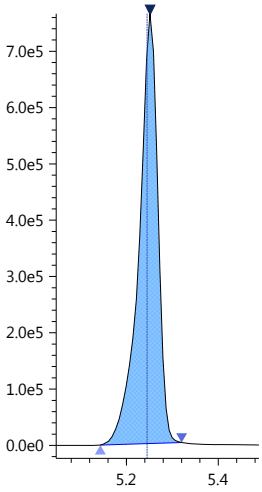
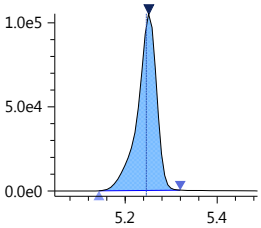
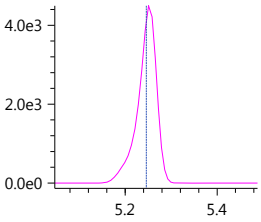
Conc 5.2682
RT 5.252 Area 2176574
Q 506.00>78.05 (-) 7.67e5



FOSA
Conc 0.5204
RT 5.252 Area 300305
R#1 4.27 (0.00)
Q 498.20>78.00 (-) 1.05e5



R1 498.20>64.10 (-) 4.49e3



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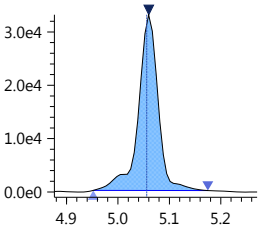
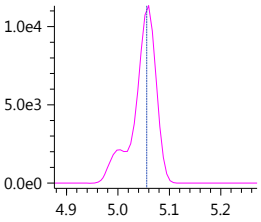
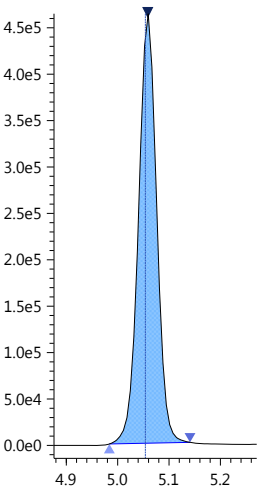
Conc 0.5410
RT 5.060 Area 88112
R#1 34.39 (0.00)
Q 570.20>419.00 (-) 3.32e4



R1 570.20>512.00 (-) 1.13e4



N-MeFOSAA-d3
Conc 4.9865
RT 5.059 Area 1138927
Q 572.80>419.05 (-) 4.65e5



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N-MeFOSAA-d3_IS
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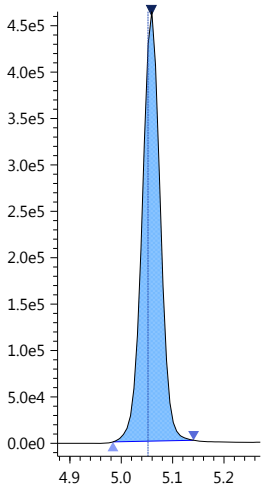
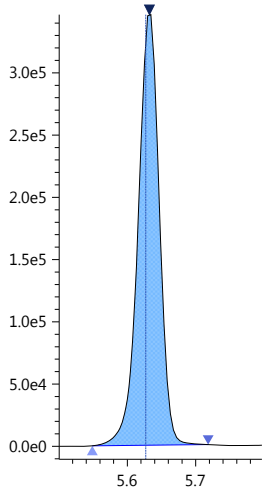
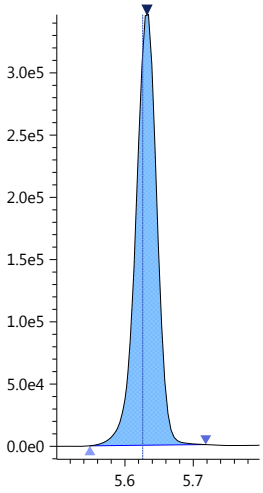
RT 5.059 Area 1138927
ISTD 572.80>419.05 (-) 4.65e5



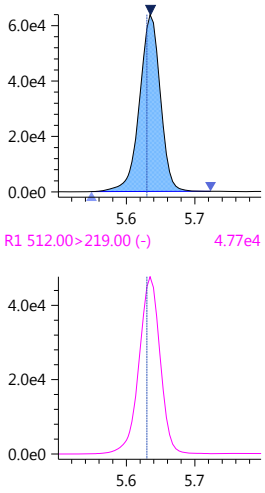
N-MeFOSA-d3_IS
Conc 5.0000
RT 5.632 Area 748145
ISTD 514.90>168.90 (-) 3.47e5



N-MeFOSA-d3
Conc 5.2018
RT 5.632 Area 748145
Q 514.90>168.90 (-) 3.47e5

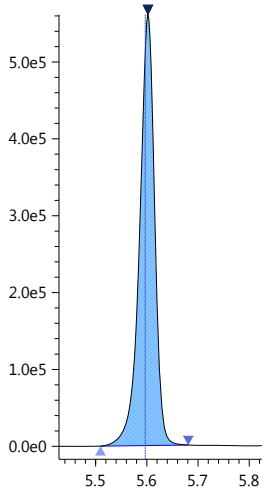


N-MeFOSA
Conc 0.5264
RT 5.635 Area 134322
R#1 74.29 (0.00)
Q 512.00>169.10 (-) 6.40e4

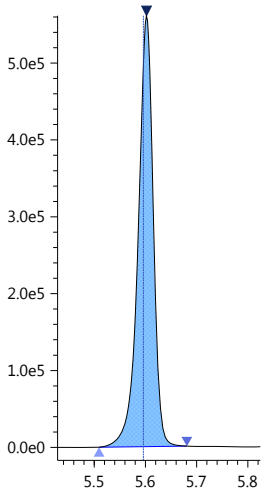


R1 512.00>219.00 (-) 4.77e4

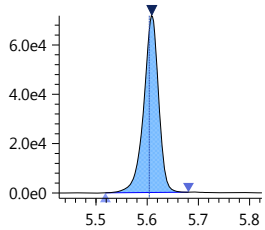
N-MeFOSE-d7
Conc 5.1019
RT 5.602 Area 1148364
Q 622.70>59.10 (-) 5.62e5



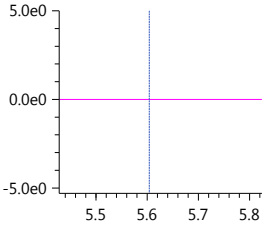
N-MeFOSE-d7_IS
Conc 5.0000
RT 5.602 Area 1148364
ISTD 622.70>59.10 (-) 5.62e5



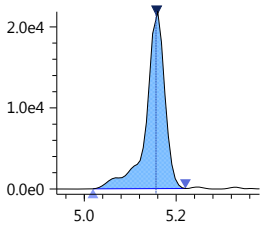
N-MeFOSE
Conc 0.5049
RT 5.609 Area 145369
R#1 0.00 (0.00)
Q 616.00>59.00 (-) 7.19e4



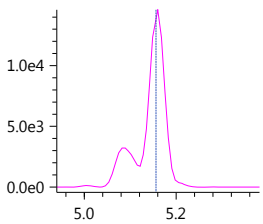
R1 556.00>121.20 (-) 0.00e0



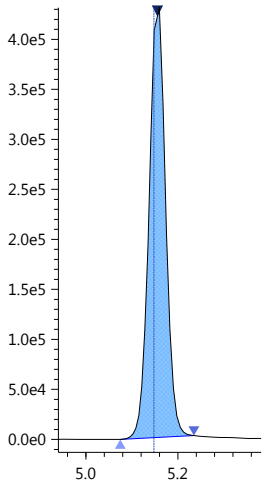
N-EtFOSAA
Conc 0.4705
RT 5.157 Area 61716
R#1 65.84 (0.00)
Q 584.20>418.95 (-) 2.19e4



R1 584.20>526.10 (-) 1.46e4



N-EtFOSAA-d5_IS
Conc 5.0000
RT 5.155 Area 1082674
ISTD 588.80>419.00 (-) 4.32e5



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RT 5.155 Area 1082674
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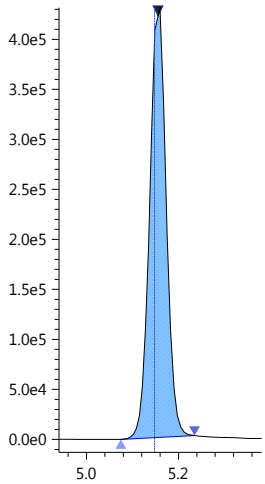

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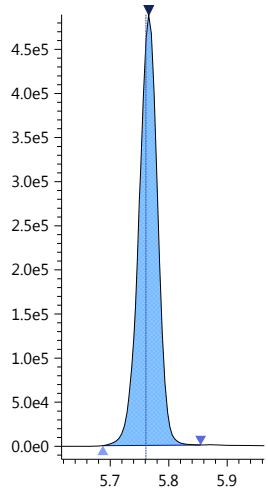
Printed at 6/25/2019 10:29:14 AM

N-EtFOSA-d9_IS

Conc 5.0000
RT 5.766 Area 1096048

ISTD 530.90>169.15 (-) 4.89e5



N-EtFOSA-d9

Conc 5.2086
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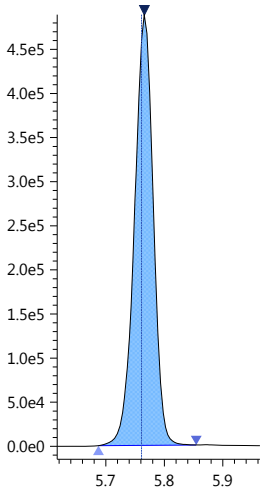

N-EtFOSA

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RT 5.772 Area 24364
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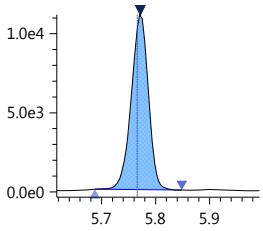
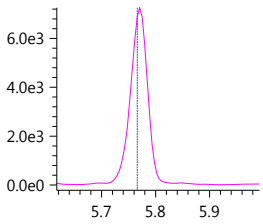
Q 526.90>169.10 (-) 1.12e4



R1 526.90>219.00 (-) 7.26e3



N-EtFOSE-d9_IS

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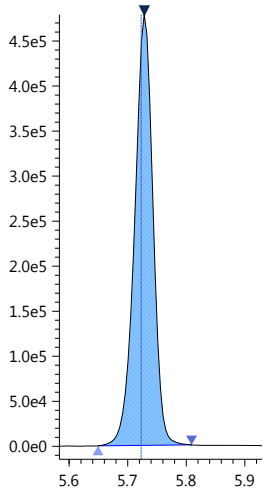
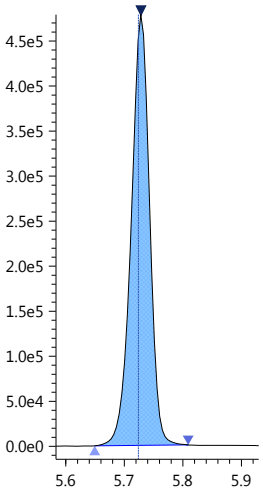
ISTD 638.70>59.10 (-) 4.79e5



N-EtFOSE-d9

Conc 5.2952
RT 5.729 Area 1046902

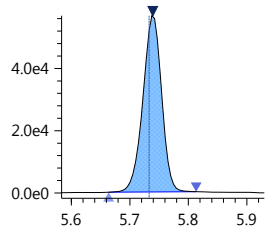
Q 638.70>59.10 (-) 4.79e5



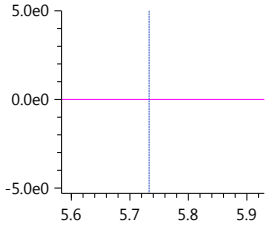
N-EtFOSE

Conc 0.4970
RT 5.739 Area 126121
R#1 0.00 (0.00)

Q 630.00>58.90 (-) 5.70e4



R1 570.00>136.10 (-) 0.00e0



13C7-PFUnDA_IS

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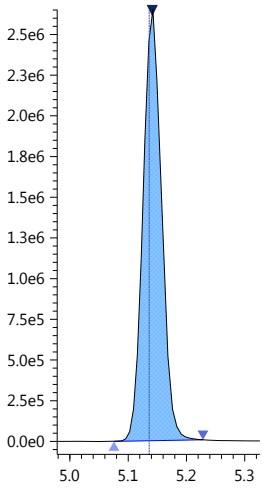
RT 5.141 Area 5872306

ISTD 570.00>525.00 (-) 2.65e6



PFPeS

Conc 0.4288
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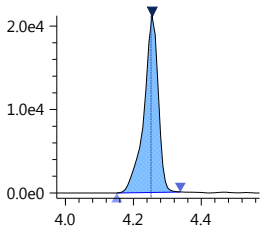
Q 349.00>99.00 (-) 2.12e4



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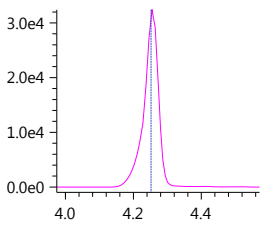

PFNS

Conc 0.5348
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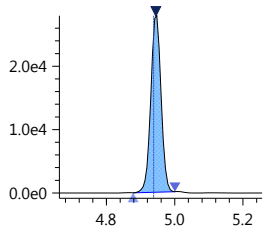
Q 549.00>99.00 (-) 2.80e4



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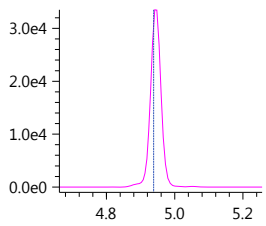

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Printed at 6/25/2019 10:11:56 AM

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Date acquired: 6/24/2019 6:47:17 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190624_curve\190621_024.lcd
Vial: 30 | Inj. Volume: 15.0000uL | Tray: 1

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Conc 5.0000
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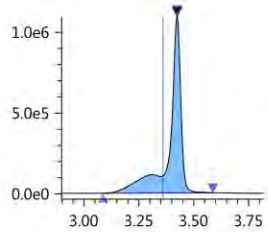
ISTD 216.90>172.15 (-) 1.10e6



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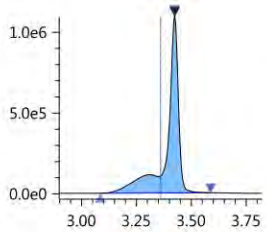

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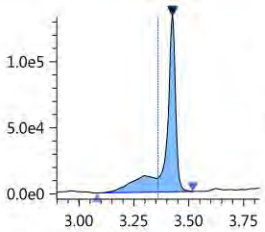

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Conc 5.0000
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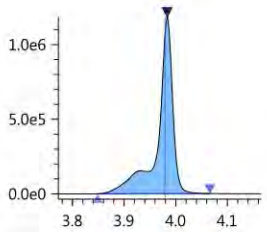

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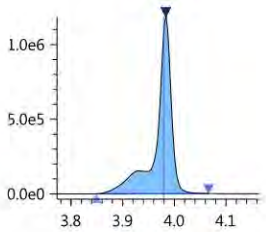

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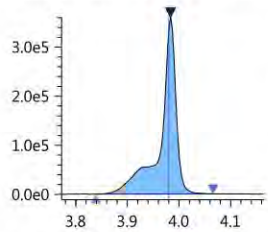

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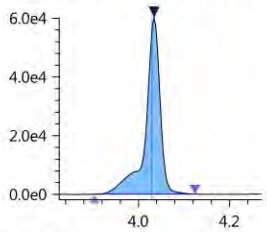
Q 299.00>80.00 (-) 6.04e4



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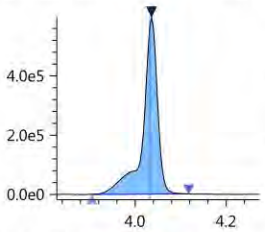

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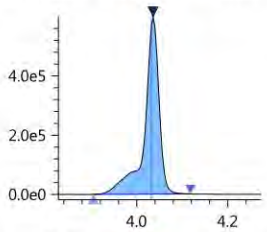

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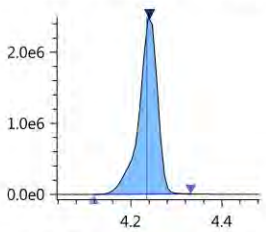

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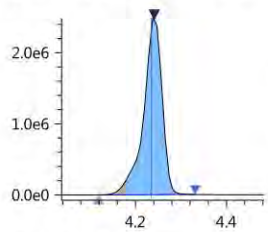

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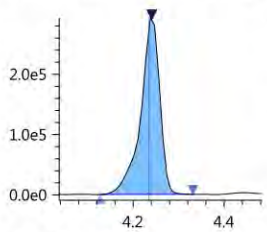
Q 313.00>269.00 (-) 2.94e5



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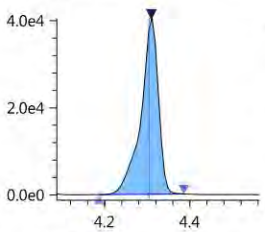
Conc 0.5078
RT 4.310 Area 114744
Q 329.00>169.00 (-) 4.07e4



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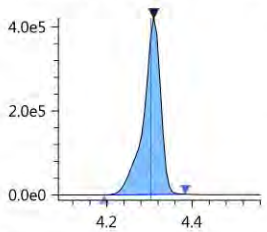
RT 4.310 Area 1166610
ISTD 332.00>286.80 (-) 4.22e5



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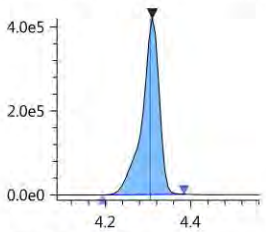

4_2-FTS-13C_IS
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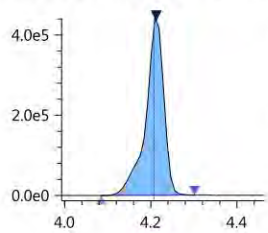
ISTD 328.80>309.05 (-) 4.42e5



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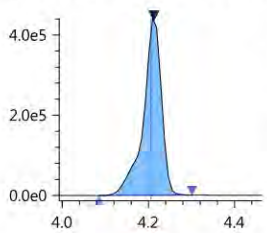

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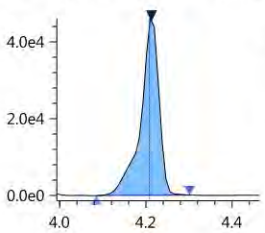

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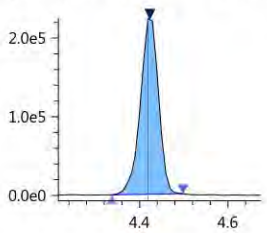
RT 4.424 Area 640966
Q 362.90>319.00 (-) 2.25e5



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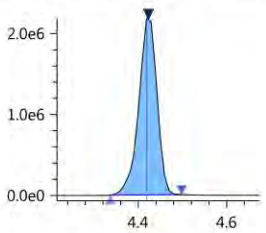

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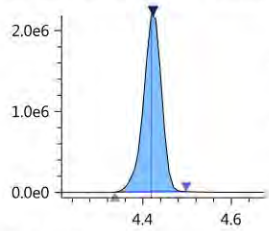

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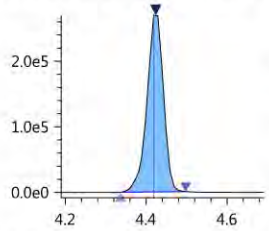

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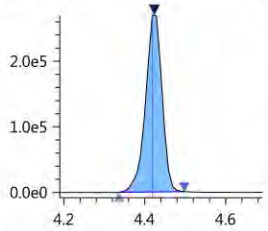

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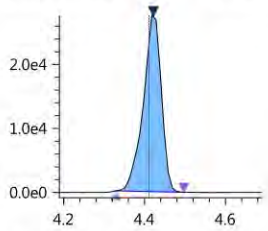
RT 4.422 Area 85833
Q 399.00>80.00 (-) 2.77e4



6_2-FTS-13C
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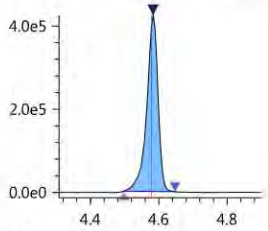
Q 428.90>409.00 (-) 4.26e5



6_2-FTS-13C_IS
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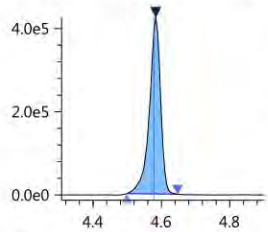

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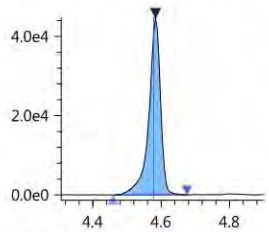

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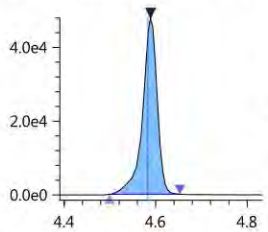
Q 449.00>80.15 (-) 4.81e4



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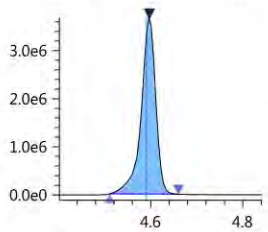
ISTD 416.80>372.05 (-) 3.69e6



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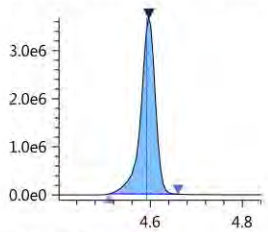

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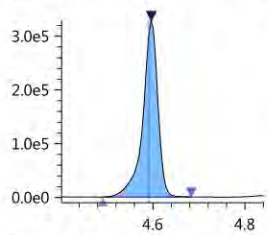

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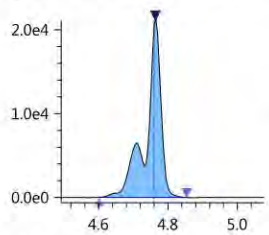

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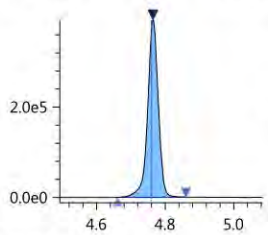

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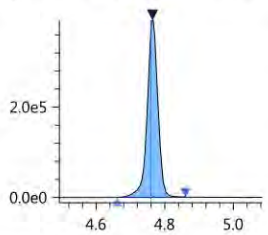

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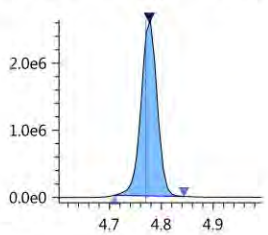
ISTD 467.80>423.00 (-) 2.64e6



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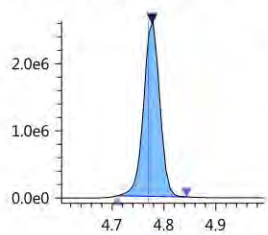

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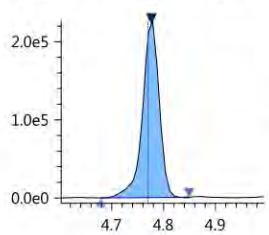

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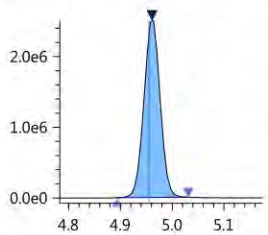

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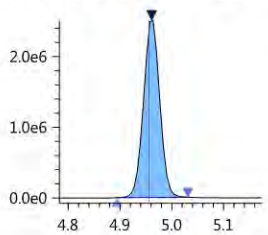

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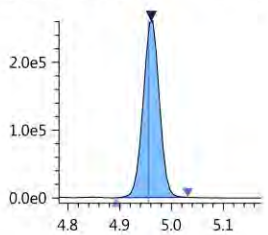

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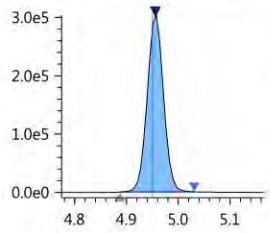

8_2-FTS-13C
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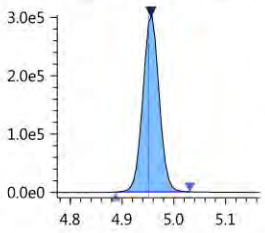

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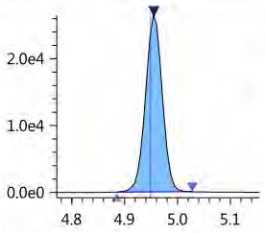

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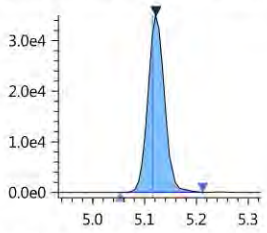

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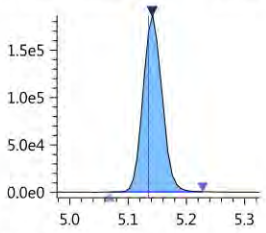

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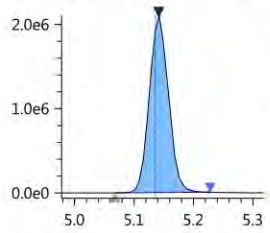
ISTD 564.80>519.95 (-) 2.10e6



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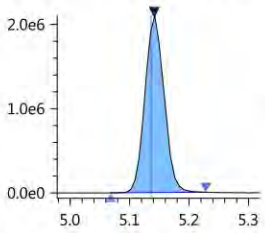

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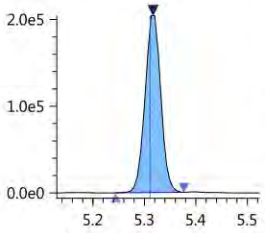

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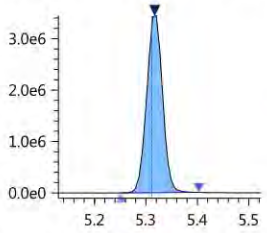

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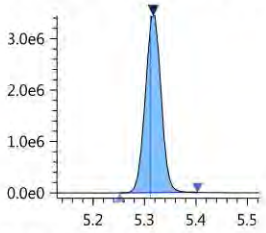

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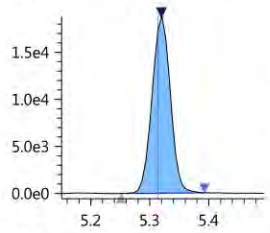

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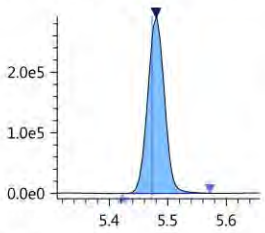

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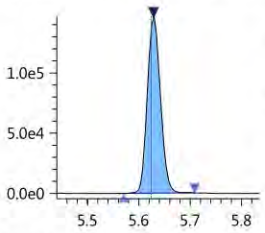

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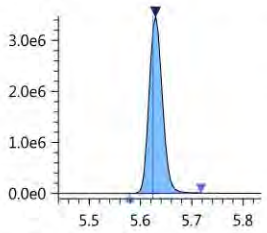

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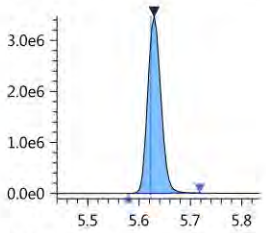

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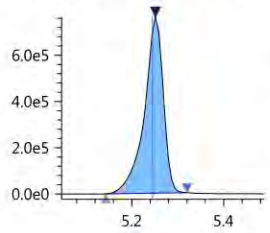
Conc 5.0000
RT 5.252 Area 2176574
ISTD 506.00>78.05 (-) 7.67e5



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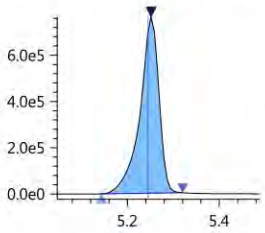

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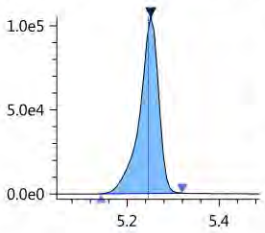

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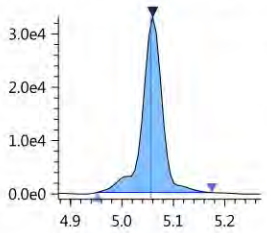

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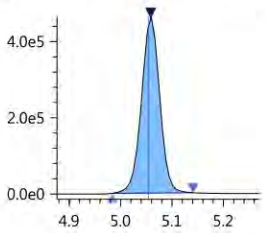
Q 572.80>419.05 (-) 4.65e5



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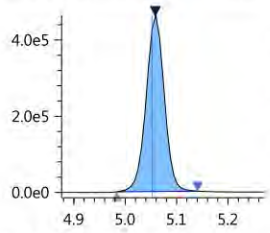

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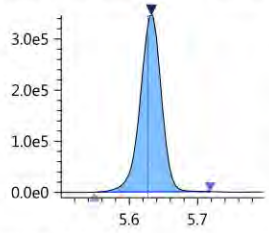

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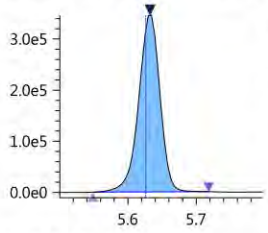
Q 514.90>168.90 (-) 3.47e5



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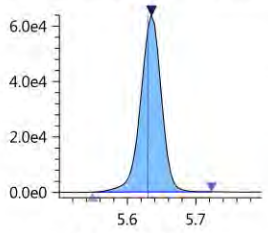

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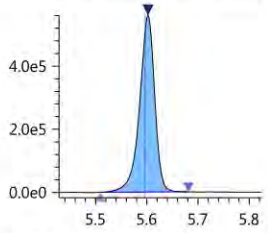
Q 622.70>59.10 (-) 5.62e5



N-MeFOSE-d7_IS
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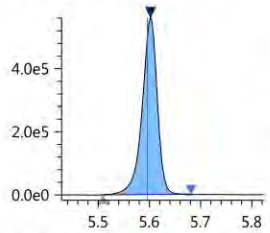

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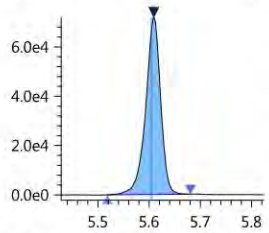
Conc 0.5049
RT 5.609 Area 145369
Q 616.00>59.00 (-) 7.19e4



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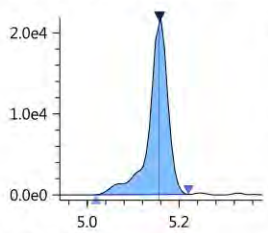
Conc 0.4885
RT 5.157 Area 61716
Q 584.20>418.95 (-) 2.19e4



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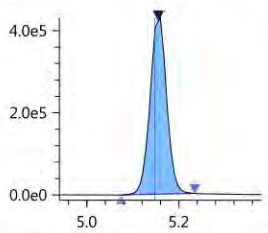

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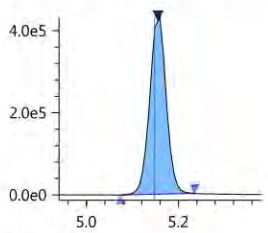

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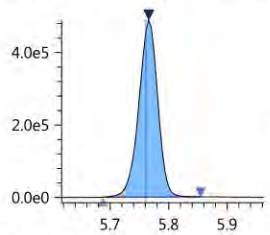

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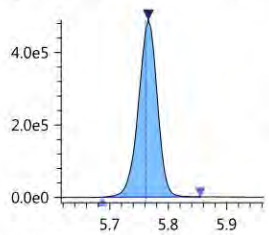
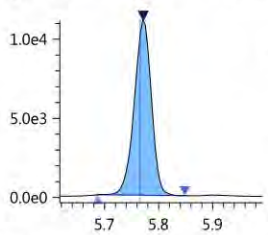
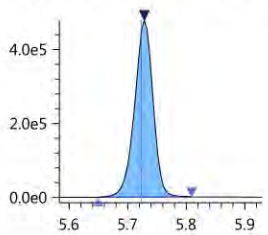
RT 5.766 Area 1096048
Q 530.90>169.15 (-) 4.89e5



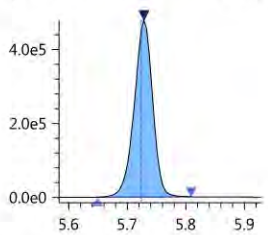
N-EtFOSA
Conc 0.5120
RT 5.772 Area 24364
Q 526.90>169.10 (-) 1.12e4



N-EtFOSE-d9_IS
Conc 5.0000
RT 5.729 Area 1046902
ISTD 638.70>59.10 (-) 4.79e5



N-EtFOSE-d9
Conc 5.2952
RT 5.729 Area 1046902
Q 638.70>59.10 (-) 4.79e5



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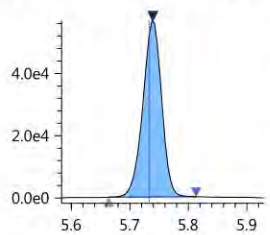
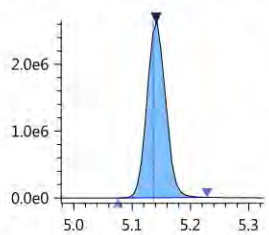
Conc 0.4970
RT 5.739 Area 126121
Q 630.00>58.90 (-) 5.70e4



13C7-PFUnDA_IS
Conc 5.0000
RT 5.141 Area 5872306
ISTD 570.00>525.00 (-) 2.65e6



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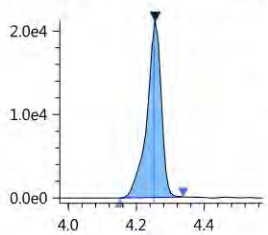
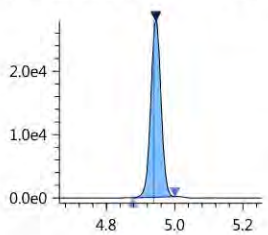
Conc 0.4381
RT 4.256 Area 61773
Q 349.00>99.00 (-) 2.12e4



PFNS
Conc 0.5348
RT 4.945 Area 58341
Q 549.00>99.00 (-) 2.80e4



Insight Report

Printed at 6/25/2019 10:29:14 AM

190621_025

Sample ID: 1.0 PPB ICAL
Date acquired: 6/24/2019 6:57:42 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190624_curve\190621_025.lcd
Vial: 31 | Inj. Volume: 15.0000uL | Tray: 1

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
PFBA-13C_IS	Auto	3.419	4211235	4211235	2	5.0000	ng/mL	5.0000
PFBA-13C	Auto	3.419	4211235	6713004	26	4.8262	ng/mL	5.0000
PFBA	Auto	3.420	861785	4211235	2	0.9987	ng/mL	1.0000
PFPeA-13C_IS	Auto	3.979	2529485	2529485	4	5.0000	ng/mL	5.0000
PFPeA-13C	Auto	3.979	2529485	6713004	26	4.8865	ng/mL	5.0000
PFPeA	Auto	3.980	1381687	2529485	4	0.9880	ng/mL	1.0000
PFBS_1	Auto	4.030	272005	1514820	16	0.8196	ng/mL	0.8874
PFBS-13C	Auto	4.032	1514820	6713004	26	5.0784	ng/mL	5.0000
PFBS-13C_IS	Auto	4.032	1514820	1514820	16	5.0000	ng/mL	5.0000
PFHxA-13C_IS	Auto	4.235	6288434	6288434	6	5.0000	ng/mL	5.0000
PFHxA-13C	Auto	4.235	6288434	6713004	26	4.6367	ng/mL	5.0000
PFHxA	Auto	4.235	1392788	6288434	6	0.9585	ng/mL	1.0000
HPFO_DA	Auto	4.305	260941	1435508	3	0.9331	ng/mL	1.0000
HFPO_DA-13C_IS	Auto	4.305	1435508	1435508	3	5.0000	ng/mL	5.0000
HFPO_DA-13C	Auto	4.305	1435508	6713004	26	5.1621	ng/mL	5.0000
4_2-FTS-13C_IS	Auto	4.207	1207897	1207897	5	5.0000	ng/mL	5.0000
4_2-FTS-13C	Auto	4.207	1207897	6713004	26	4.6643	ng/mL	5.0000
4_2-FTS_1	Auto	4.207	234228	1207897	5	0.9474	ng/mL	0.9372
PFHpA	Auto	4.418	1111181	5632851	8	0.9808	ng/mL	1.0000
PFHpA-13C_IS	Auto	4.419	5632851	5632851	8	5.0000	ng/mL	5.0000
PFHpA-13C	Auto	4.419	5632851	6713004	26	4.7763	ng/mL	5.0000
PFHxS-18O_IS	Auto	4.419	625621	625621	7	5.0000	ng/mL	5.0000
PFHxS-18O	Auto	4.419	625621	6713004	26	4.5805	ng/mL	5.0000
PFHxS_1	Auto	4.412	167732	625621	7	0.9790	ng/mL	0.9131
6_2-FTS-13C	Auto	4.578	1049531	6713004	26	5.0140	ng/mL	5.0000
6_2-FTS-13C_IS	Auto	4.578	1049531	1049531	10	5.0000	ng/mL	5.0000
6_2-FTS_1	Auto	4.578	224897	1049531	10	0.9684	ng/mL	0.9512
PFHpS_1	Auto	4.584	220454	625621	7	1.0057	ng/mL	0.9534
PFOA-13C_IS	Auto	4.592	9316449	9316449	9	5.0000	ng/mL	5.0000
PFOA-13C	Auto	4.592	9316449	6713004	26	5.2458	ng/mL	5.0000
PFOA	Auto	4.592	1556863	9316449	9	0.9741	ng/mL	1.0000
PFOS_1	Auto	4.759	126742	969754	13	0.8399	ng/mL	0.9292
PFOS-13C_IS	Auto	4.759	969754	969754	13	5.0000	ng/mL	5.0000
PFOS-13C	Auto	4.759	969754	6713004	26	5.1858	ng/mL	5.0000
PFNA-13C_IS	Auto	4.770	6011896	6011896	11	5.0000	ng/mL	5.0000
PFNA-13C	Auto	4.770	6011896	6713004	26	5.0185	ng/mL	5.0000
PFNA	Auto	4.770	986142	6011896	11	0.9656	ng/mL	1.0000
PFDA-13C_IS	Auto	4.955	5928436	5928436	12	5.0000	ng/mL	5.0000
PFDA-13C	Auto	4.955	5928436	6713004	26	5.2145	ng/mL	5.0000
PFDA	Auto	4.955	1092632	5928436	12	0.9008	ng/mL	1.0000
8_2-FTS-13C_IS	Auto	4.950	709390	709390	15	5.0000	ng/mL	5.0000
8_2-FTS-13C	Auto	4.950	709390	6713004	26	5.2306	ng/mL	5.0000
8_2-FTS_1	Auto	4.949	114125	709390	15	0.9380	ng/mL	0.9600
PFDS_1	Auto	5.116	154392	969754	13	0.9245	ng/mL	0.9647
PFUnA	Auto	5.137	946208	5803235	14	0.9757	ng/mL	1.0000
PFUnA-13C_IS	Auto	5.137	5803235	5803235	14	5.0000	ng/mL	5.0000
PFUnA-13C	Auto	5.137	5803235	6713004	26	5.2830	ng/mL	5.0000
PFDoA	Auto	5.311	869660	7850443	17	0.9841	ng/mL	1.0000
PFDoA-13C	Auto	5.311	7850443	6713004	26	5.0771	ng/mL	5.0000
PFDoA-13C_IS	Auto	5.311	7850443	7850443	17	5.0000	ng/mL	5.0000
10_2-FtS_1	Auto	5.313	77571	709390	15	0.8875	ng/mL	0.9662
PFTrDA	Auto	5.473	1139943	6331156	22	0.9593	ng/mL	1.0000
PFTeDA	Auto	5.623	450387	6331156	22	0.9567	ng/mL	1.0000
PFTeDA-13C	Auto	5.623	6331156	6713004	26	4.9264	ng/mL	5.0000
PFTeDA-13C_IS	Auto	5.623	6331156	6331156	22	5.0000	ng/mL	5.0000
FOSA-13C_IS	Auto	5.246	2395958	2395958	18	5.0000	ng/mL	5.0000
FOSA-13C	Auto	5.246	2395958	6713004	26	5.0729	ng/mL	5.0000
FOSA	Auto	5.247	593628	2395958	18	0.9345	ng/mL	1.0000
N-MeFOSAA	Auto	5.056	182742	1251444	19	1.0211	ng/mL	1.0000
N-MeFOSAA-d3	Auto	5.053	1251444	6713004	26	4.7929	ng/mL	5.0000
N-MeFOSAA-d3_IS	Auto	5.053	1251444	1251444	19	5.0000	ng/mL	5.0000
N-MeFOSA-d3_IS	Auto	5.627	783802	783802	1	5.0000	ng/mL	5.0000
N-MeFOSA-d3	Auto	5.627	783802	6713004	26	4.7672	ng/mL	5.0000
N-MeFOSA	Auto	5.630	256419	783802	1	0.9591	ng/mL	1.0000
N-MeFOSE-d7	Auto	5.597	1246581	6713004	26	4.8447	ng/mL	5.0000
N-MeFOSE-d7_IS	Auto	5.597	1246581	1246581	20	5.0000	ng/mL	5.0000
N-MeFOSE	Auto	5.604	306937	1246581	20	0.9822	ng/mL	1.0000
N-EtFOSAA	Auto	5.154	102216	993833	21	0.8489	ng/mL	1.0000

Insight Report

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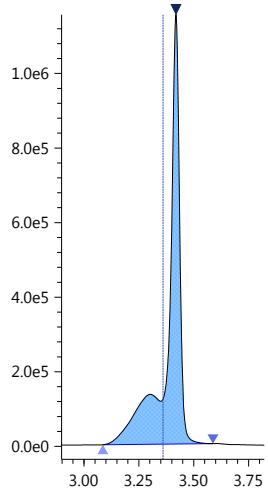
(Table continued from previous page)

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
N-EtFOSAA-d5_IS	Auto	5.149	993833	993833	21	5.0000	ng/mL	5.0000
N-EtFOSAA-d5	Auto	5.149	993833	6713004	26	4.6738	ng/mL	5.0000
N-EtFOSA-d9_IS	Auto	5.761	1178261	1178261	23	5.0000	ng/mL	5.0000
N-EtFOSA-d9	Auto	5.761	1178261	6713004	26	4.8981	ng/mL	5.0000
N-EtFOSA	Auto	5.766	48923	1178261	23	0.9386	ng/mL	1.0000
N-EtFOSE-d9_IS	Auto	5.723	1087032	1087032	24	5.0000	ng/mL	5.0000
N-EtFOSE-d9	Auto	5.723	1087032	6713004	26	4.8097	ng/mL	5.0000
N-EtFOSE	Auto	5.734	261382	1087032	24	0.9919	ng/mL	1.0000
13C7-PFUnDA_IS	Auto	5.136	6713004	6713004	26	5.0000	ng/mL	5.0000
PFPeS	Auto	4.250	153120	1514820	16	0.9234	ng/mL	0.9409
PFNS	Auto	4.939	119547	969754	13	0.9571	ng/mL	0.9616

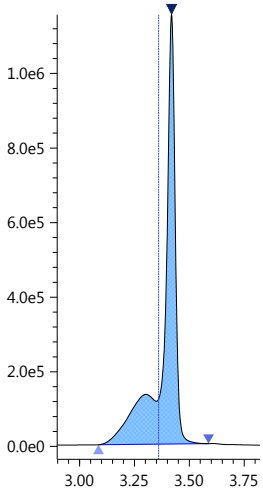
PFBA-13C_IS

Conc 5.0000
RT 3.419 Area 4211235
ISTD 216.90>172.15 (-) 1.16e6



PFBA-13C

Conc 4.8262
RT 3.419 Area 4211235
Q 216.90>172.15 (-) 1.16e6



PFBA

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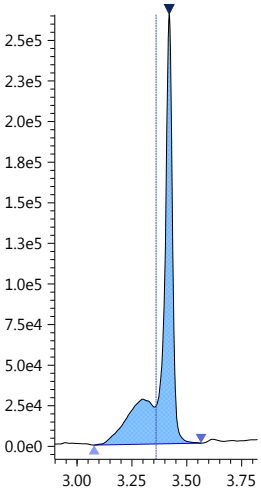
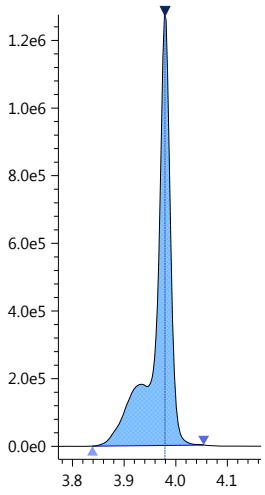
Q 213.00>169.10 (-) 2.66e5



PFPeA-13C_IS

Conc 5.0000
RT 3.979 Area 2529485
ISTD 267.90>223.00 (-) 1.28e6



PFPeA-13C

Conc 4.8865
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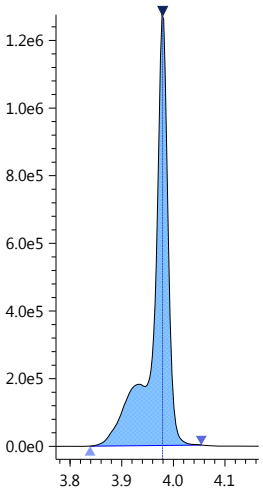
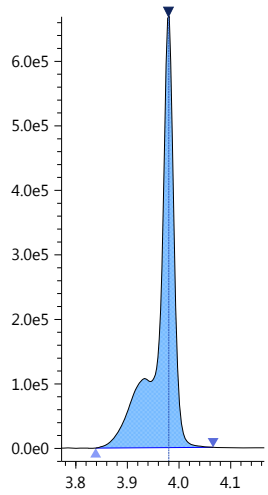
Q 267.90>223.00 (-) 1.28e6



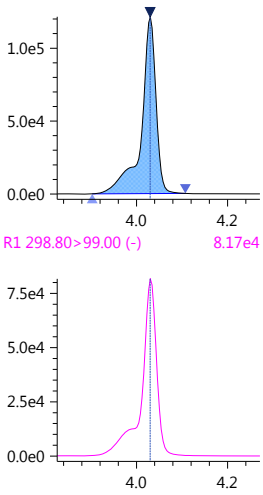
PFPeA

Conc 0.9880
RT 3.980 Area 1381687
Q 263.05>219.10 (-) 6.69e5



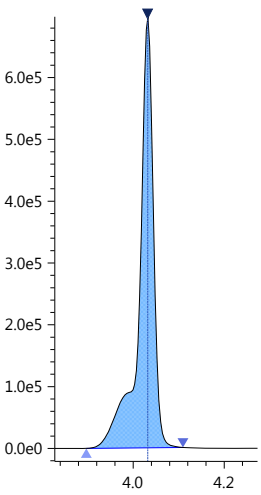
PFBS_1

Conc 0.8196
RT 4.030 Area 272005
R#1 64.02 (0.00)
Q 299.00>80.00 (-) 1.22e5



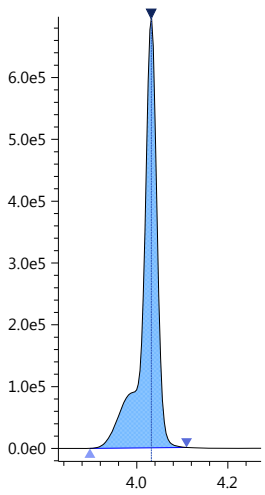
PFBS-13C

Conc 5.0784
RT 4.032 Area 1514820
Q 301.80>80.00 (-) 6.98e5



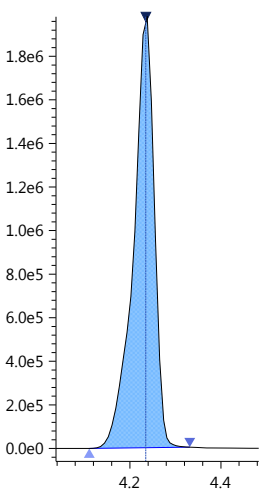
PFBS-13C_IS

Conc 5.0000
RT 4.032 Area 1514820
ISTD 301.80>80.00 (-) 6.98e5



PFHxA-13C_IS

Conc 5.0000
RT 4.235 Area 6288434
ISTD 314.90>270.10 (-) 1.98e6



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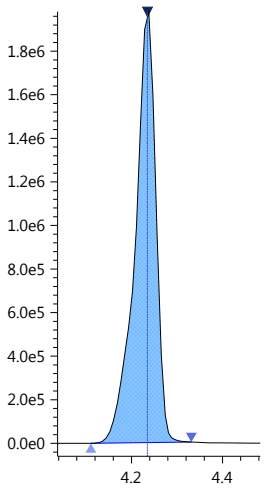
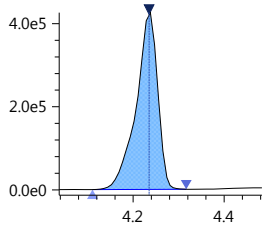
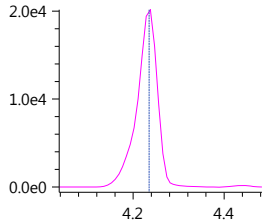
PFHxA-13C
Conc 4.6367
RT 4.235 Area 6288434
Q 314.90>270.10 (-) 1.98e6



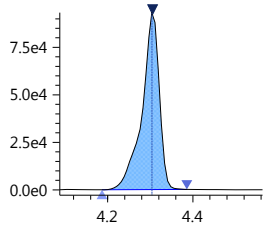
PFHxA
Conc 0.9585
RT 4.235 Area 1392788
R#1 4.72 (0.00)
Q 313.00>269.00 (-) 4.27e5



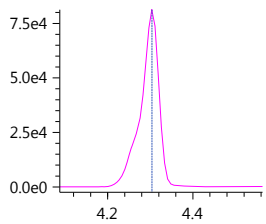
R1 313.00>119.10 (-) 2.02e4



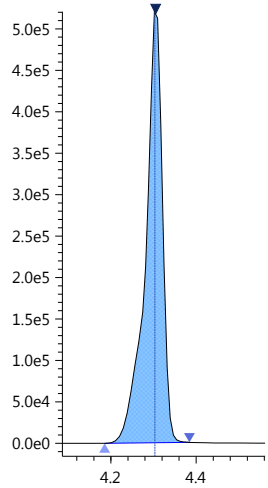
HPFO_DA
Conc 0.9331
RT 4.305 Area 260941
R#1 86.90 (0.00)
Q 329.00>169.00 (-) 9.33e4



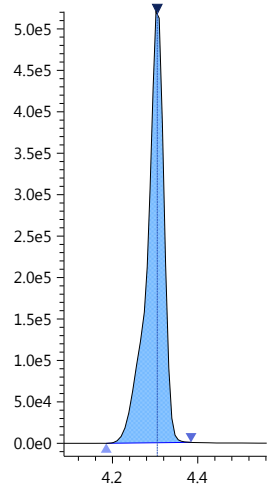
R1 329.00>285.10 (-) 8.13e4



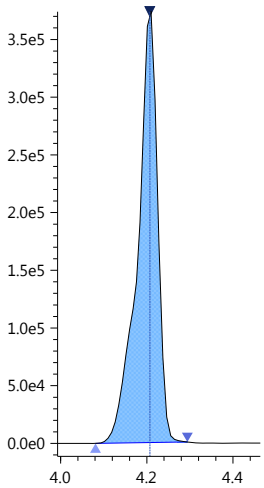
HFPO_DA-13C_IS
Conc 5.0000
RT 4.305 Area 1435508
ISTD 332.00>286.80 (-) 5.21e5



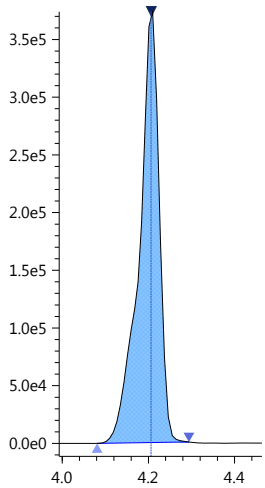
HFPO_DA-13C
Conc 5.1621
RT 4.305 Area 1435508
Q 332.00>286.80 (-) 5.21e5



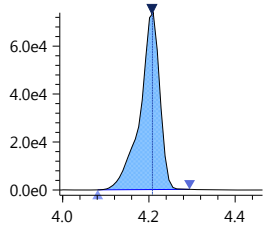
4_2-FTS-13C_IS
Conc 5.0000
RT 4.207 Area 1207897
ISTD 328.80>309.05 (-) 3.74e5



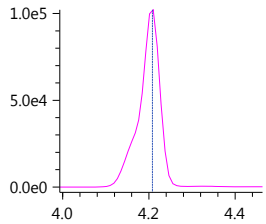
4_2-FTS-13C
Conc 4.6643
RT 4.207 Area 1207897
Q 328.80>309.05 (-) 3.74e5



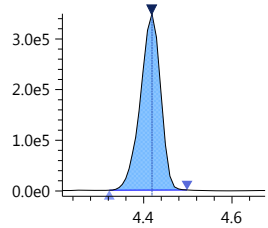
4_2-FTS_1
Conc 0.9474
RT 4.207 Area 234228
R#1 139.10 (0.00)
Q 327.00>307.05 (-) 7.39e4



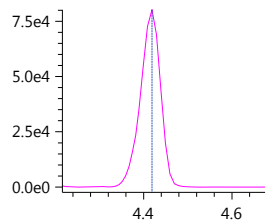
R1 327.00>81.10 (-) 1.02e5



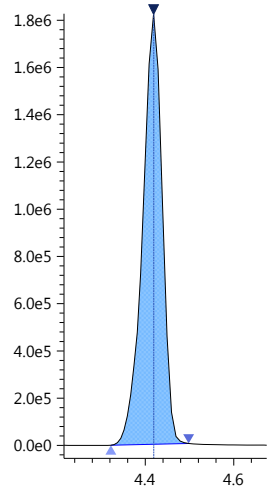
PFHpA
Conc 0.9808
RT 4.418 Area 1111181
R#1 23.00 (0.00)
Q 362.90>319.00 (-) 3.50e5



R1 362.90>169.00 (-) 8.02e4



PFHpA-13C_IS
Conc 5.0000
RT 4.419 Area 5632851
ISTD 366.90>322.10 (-) 1.83e6



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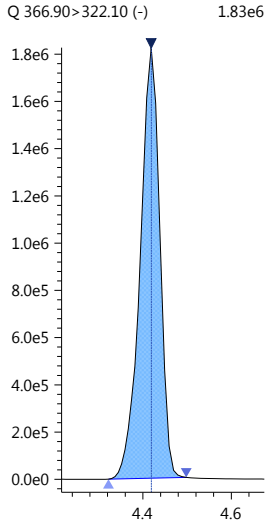
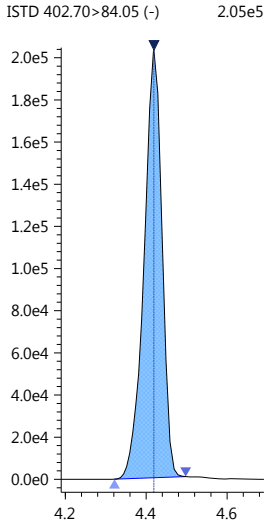
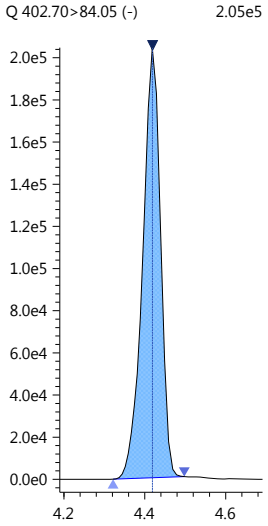
PFHpA-13C
Conc 4.7763
RT 4.419 Area 5632851



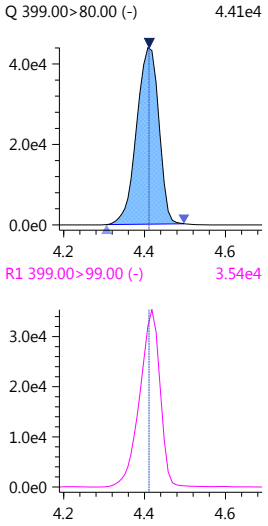
PFHxS-18O_IS
Conc 5.0000
RT 4.419 Area 625621



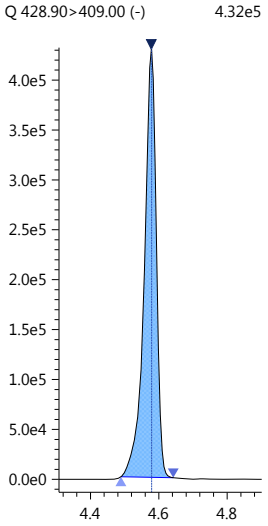
PFHxS-18O
Conc 4.5805
RT 4.419 Area 625621



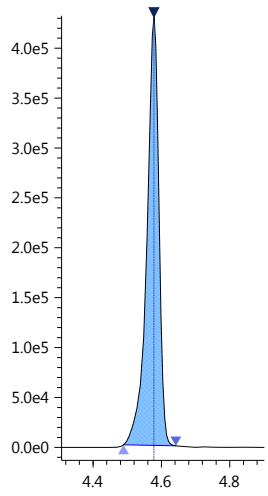
PFHxS_1
Conc 0.9790
RT 4.412 Area 167732
R#1 72.74 (0.00)



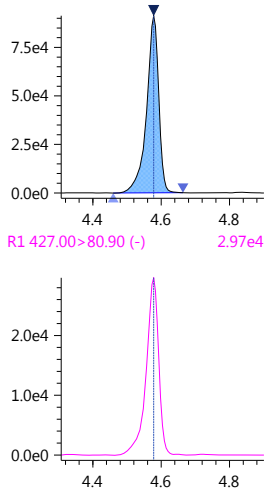
6_2-FTS-13C
Conc 5.0140
RT 4.578 Area 1049531



6_2-FTS-13C_IS
Conc 5.0000
RT 4.578 Area 1049531



6_2-FTS_1
Conc 0.9684
RT 4.578 Area 224897
R#1 32.39 (0.00)



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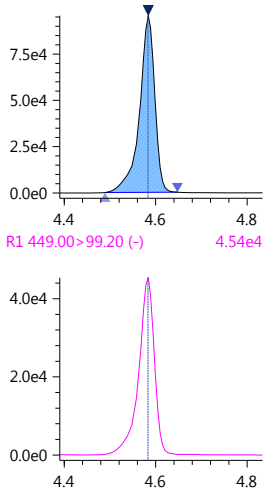
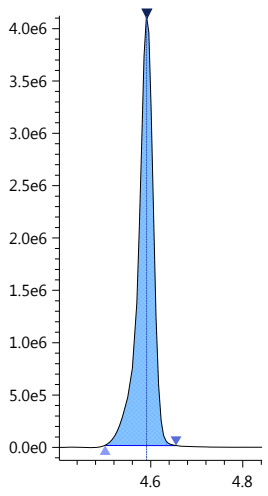
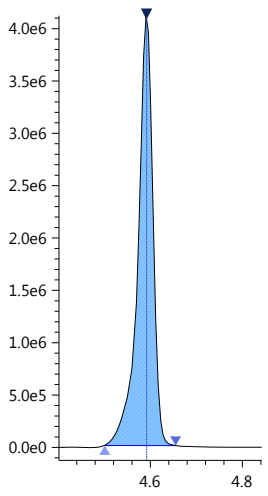
Conc 1.0057
RT 4.584 Area 220454
R#1 47.41 (0.00)



PFOA-13C_IS
Conc 5.0000
RT 4.592 Area 9316449



PFOA-13C
Conc 5.2458
RT 4.592 Area 9316449



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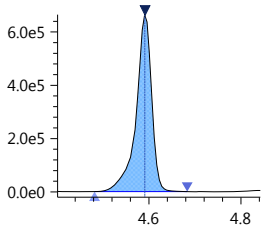
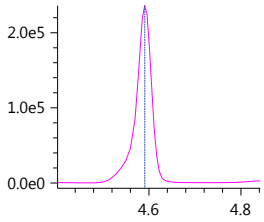
PFOA
Conc 0.9741
RT 4.592 Area 1556863
R#1 35.45 (0.00)

Q 413.00>369.00 (-) 6.65e5

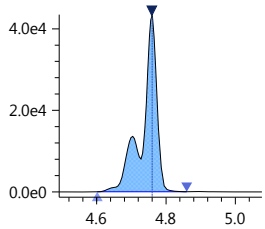


R1 413.00>169.10 (-) 2.36e5

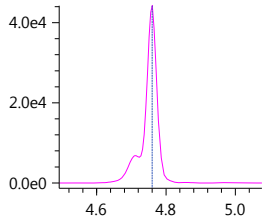


PFOS_1
Conc 0.8399
RT 4.759 Area 126742
R#1 102.44 (0.00)

Q 499.00>80.00 (-) 4.35e4

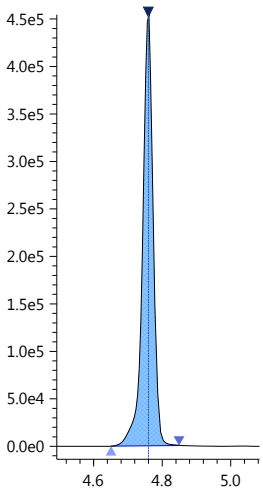


R1 499.00>99.00 (-) 4.42e4



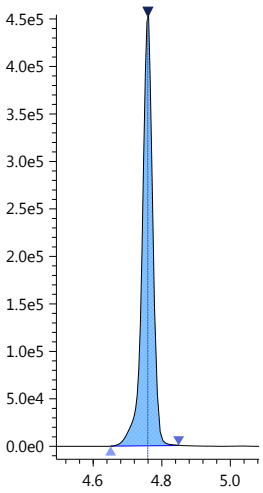
PFOS-13C_IS
Conc 5.0000
RT 4.759 Area 969754

ISTD 502.80>80.05 (-) 4.55e5



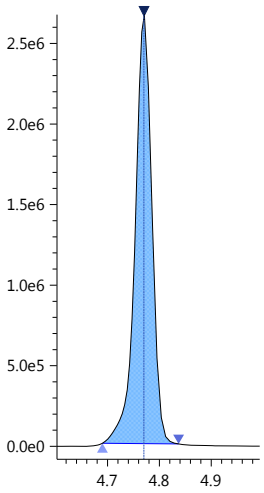
PFOS-13C
Conc 5.1858
RT 4.759 Area 969754

Q 502.80>80.05 (-) 4.55e5



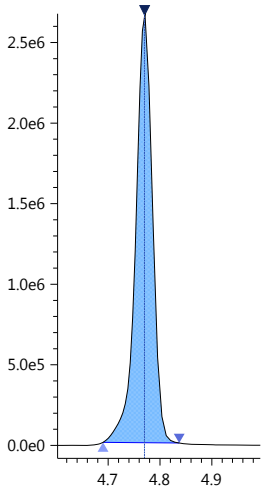
PFNA-13C_IS
Conc 5.0000
RT 4.770 Area 6011896

ISTD 467.80>423.00 (-) 2.68e6



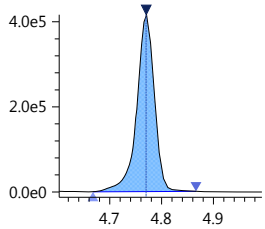
PFNA-13C
Conc 5.0185
RT 4.770 Area 6011896

Q 467.80>423.00 (-) 2.68e6

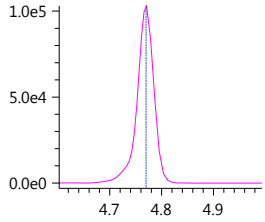


PFNA
Conc 0.9656
RT 4.770 Area 986142
R#1 24.66 (0.00)

Q 463.00>418.90 (-) 4.17e5

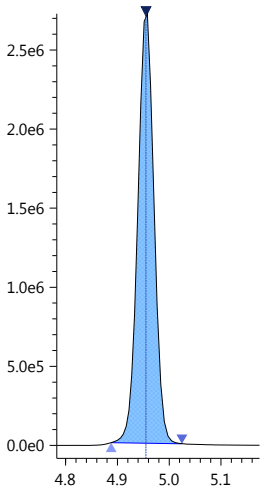


R1 463.00>219.00 (-) 1.03e5



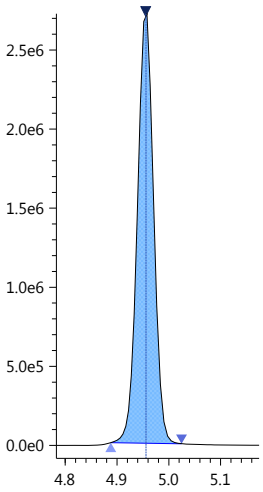
PFDA-13C_IS
Conc 5.0000
RT 4.955 Area 5928436

ISTD 514.80>469.95 (-) 2.73e6



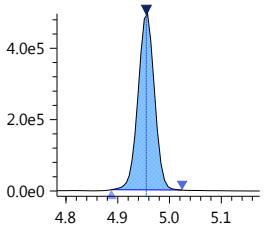
PFDA-13C
Conc 5.2145
RT 4.955 Area 5928436

Q 514.80>469.95 (-) 2.73e6

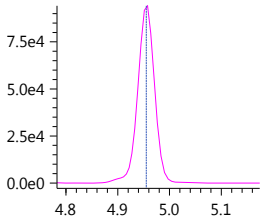


PFDA
Conc 0.9008
RT 4.955 Area 1092632
R#1 18.93 (0.00)

Q 513.00>468.80 (-) 4.97e5



R1 513.00>219.10 (-) 9.42e4



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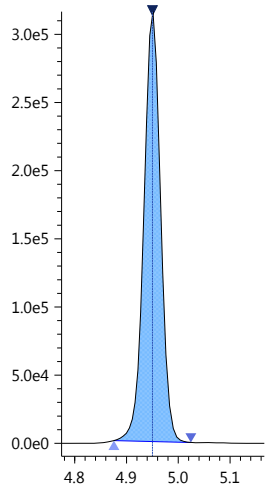
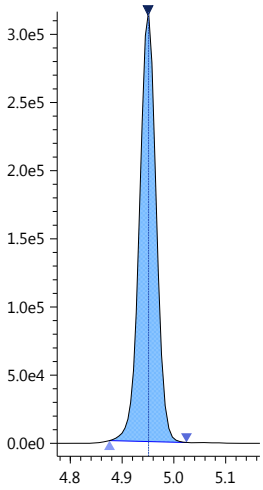
8_2-FTS-13C_IS
Conc 5.0000
RT 4.950 Area 709390

ISTD 528.80>509.00 (-) 3.17e5



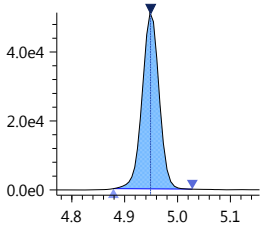
8_2-FTS-13C
Conc 5.2306
RT 4.950 Area 709390

Q 528.80>509.00 (-) 3.17e5

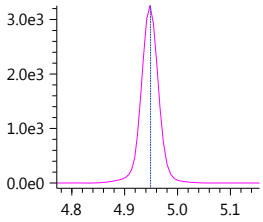


8_2-FTS_1
Conc 0.9380
RT 4.949 Area 114125
R#1 6.32 (6.32)

Q 527.10>506.90 (-) 5.14e4

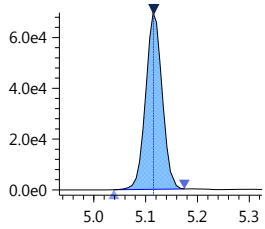


R1 527.20>487.00 (-) 3.25e3

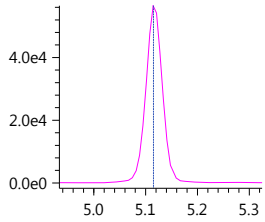


PFDS_1
Conc 0.9245
RT 5.116 Area 154392
R#1 80.57 (0.00)

Q 599.00>79.90 (-) 6.98e4

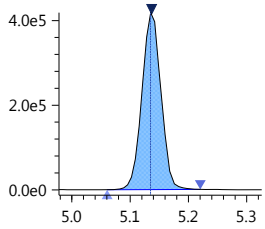


R1 599.00>99.10 (-) 5.65e4

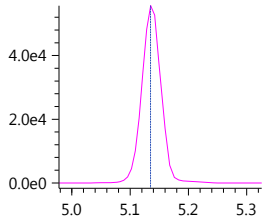


PFUnA
Conc 0.9757
RT 5.137 Area 946208
R#1 13.24 (0.00)

Q 563.00>518.90 (-) 4.19e5

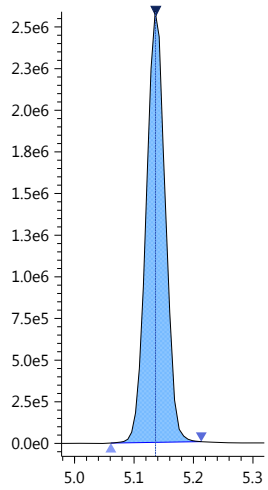


R1 563.00>219.00 (-) 5.56e4



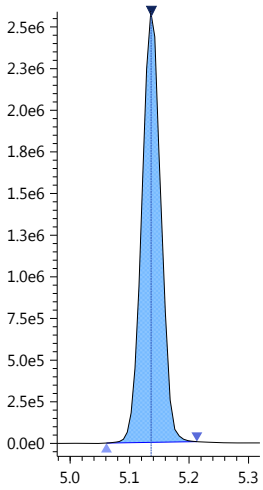
PFUnA-13C_IS
Conc 5.0000
RT 5.137 Area 5803235

ISTD 564.80>519.95 (-) 2.59e6



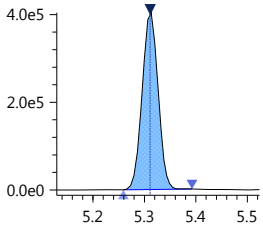
PFUnA-13C
Conc 5.2830
RT 5.137 Area 5803235

Q 564.80>519.95 (-) 2.59e6

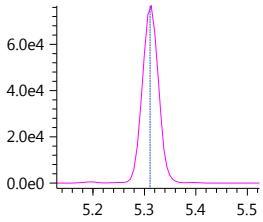


PFDoA
Conc 0.9841
RT 5.311 Area 869660
R#1 18.94 (0.00)

Q 613.05>569.00 (-) 4.04e5

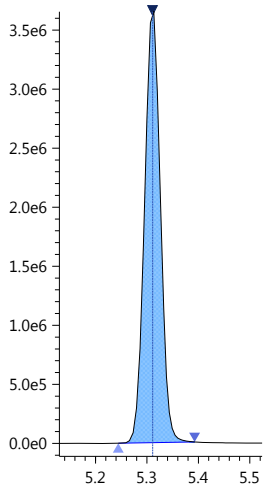


R1 613.05>169.00 (-) 7.67e4



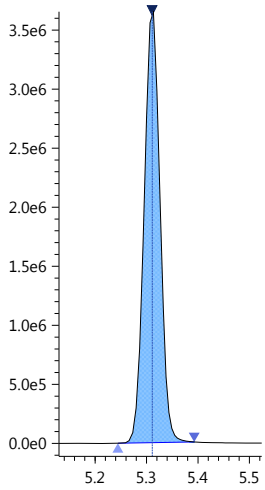
PFDoA-13C
Conc 5.0771
RT 5.311 Area 7850443

Q 614.80>569.95 (-) 3.66e6



PFDoA-13C_IS
Conc 5.0000
RT 5.311 Area 7850443

ISTD 614.80>569.95 (-) 3.66e6



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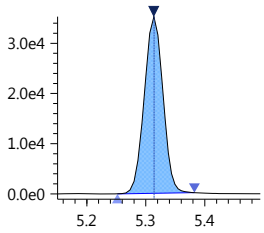
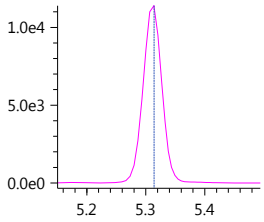
10_2-FtS_1

Conc 0.8875
RT 5.313 Area 77571
R#1 32.25 (0.00)

Q 627.00>606.95 (-) 3.53e4



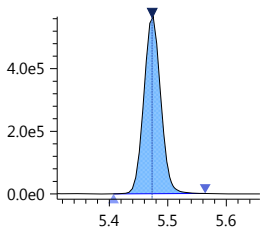
R1 627.00>81.25 (-) 1.14e4



PFTrDA

Conc 0.9593
RT 5.473 Area 1139943
R#1 18.45 (0.00)

Q 663.00>618.90 (-) 5.66e5



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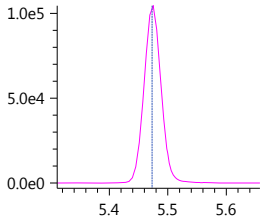
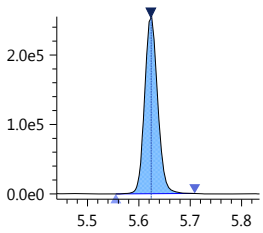


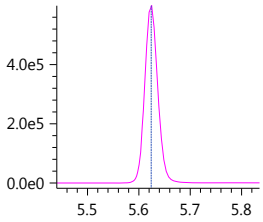
PFTeDA

Conc 0.9567
RT 5.623 Area 450387
R#1 231.99 (0.00)

Q 713.40>669.00 (-) 2.55e5



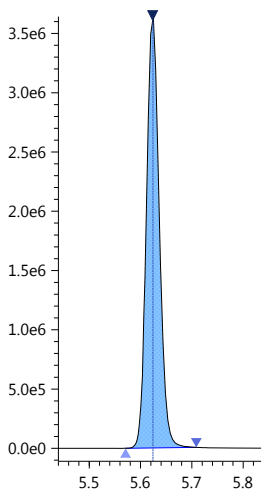
R1 713.40>169.10 (-) 5.99e5



PFTeDA-13C

Conc 4.9264
RT 5.623 Area 6331156

Q 714.70>669.90 (-) 3.64e6



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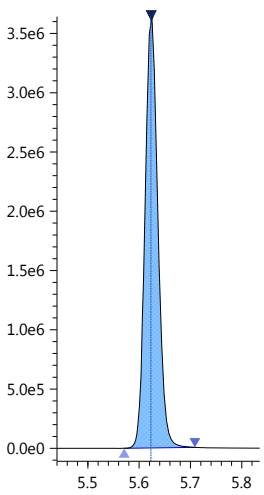
Conc 5.0000
RT 5.623 Area 6331156

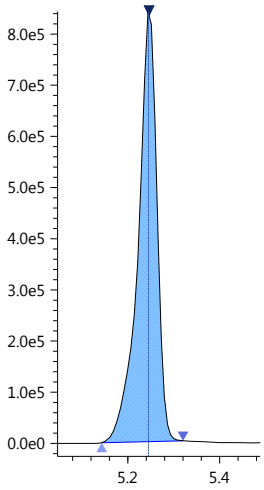
ISTD 714.70>669.90 (-) 3.64e6



FOSA-13C_IS

Conc 5.0000
RT 5.246 Area 2395958

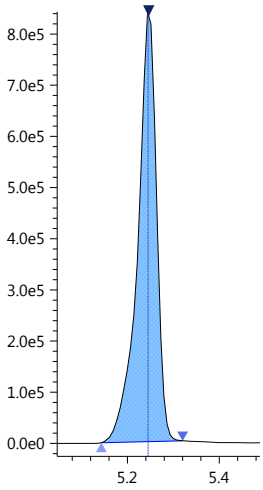
ISTD 506.00>78.05 (-) 8.44e5



FOSA-13C

Conc 5.0729
RT 5.246 Area 2395958

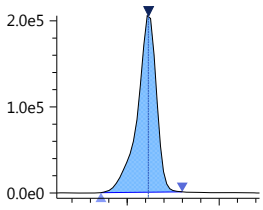
Q 506.00>78.05 (-) 8.44e5



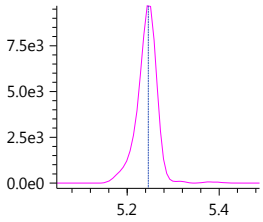
FOSA

Conc 0.9345
RT 5.247 Area 593628
R#1 4.68 (0.00)

Q 498.20>78.00 (-) 2.06e5



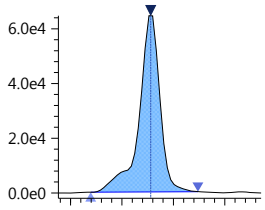
R1 498.20>64.10 (-) 9.68e3



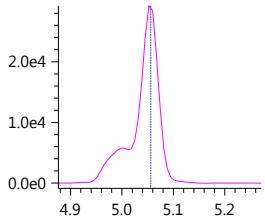
N-MeFOSAA

Conc 1.0211
RT 5.056 Area 182742
R#1 44.09 (0.00)

Q 570.20>419.00 (-) 6.48e4



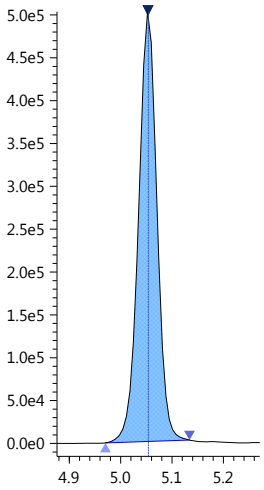
R1 570.20>512.00 (-) 2.92e4



N-MeFOSAA-d3

Conc 4.7929
RT 5.053 Area 1251444

Q 572.80>419.05 (-) 5.04e5



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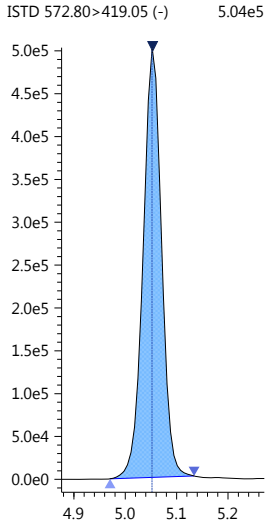
N-MeFOSAA-d3_IS
Conc 5.0000
RT 5.053 Area 1251444



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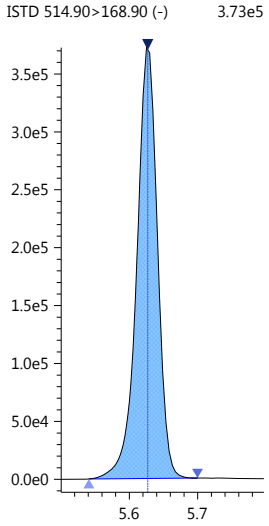
RT 5.627 Area 783802



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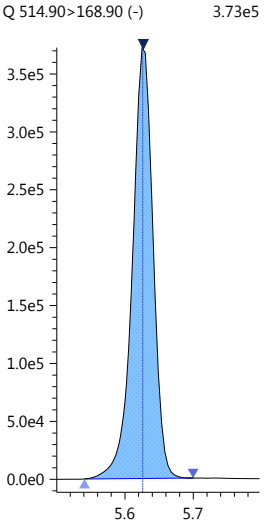
RT 5.627 Area 783802



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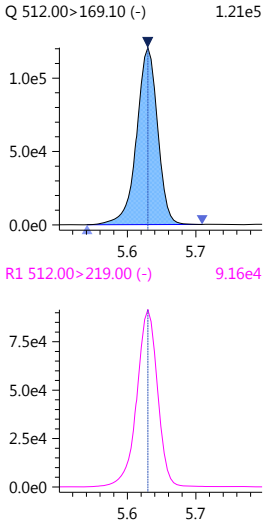
Conc 0.9591
RT 5.630 Area 256419
R#1 76.08 (0.00)



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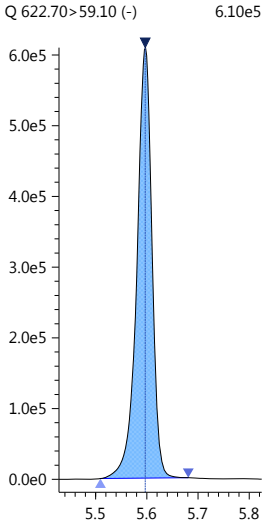
Conc 4.8447
RT 5.597 Area 1246581



N-MeFOSE-d7_IS
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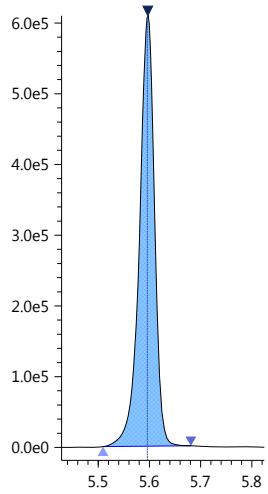

N-MeFOSE
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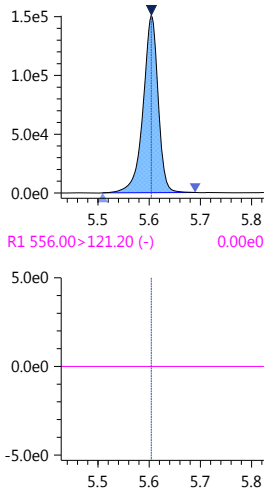

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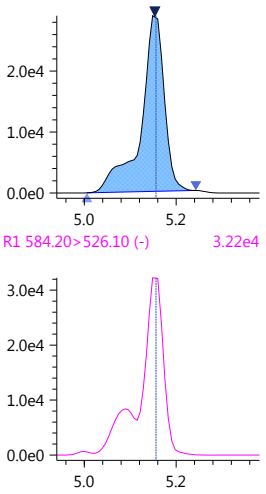
RT 5.154 Area 102216
R#1 112.07 (0.00)



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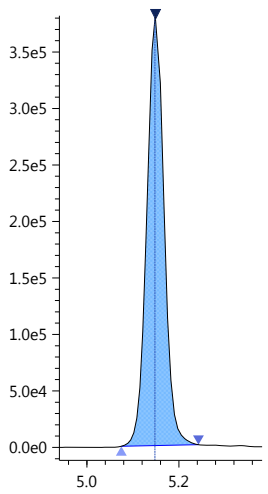
RT 5.149 Area 993833



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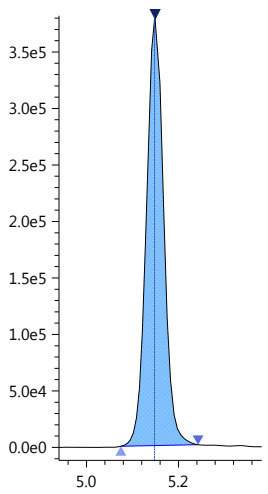
Conc 4.6738
RT 5.149 Area 993833



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N-EtFOSA-d9_IS

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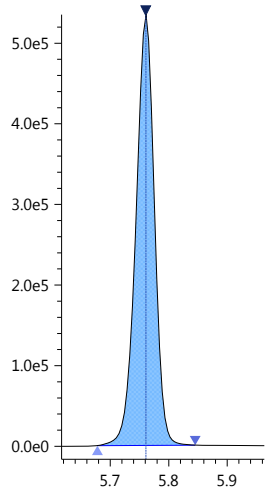
ISTD 530.90>169.15 (-) 5.35e5



N-EtFOSA-d9

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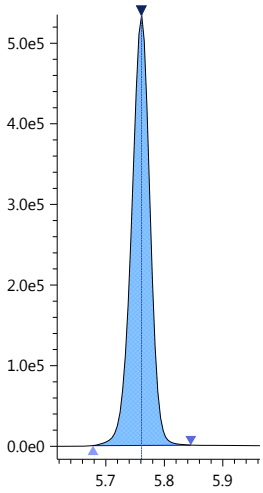
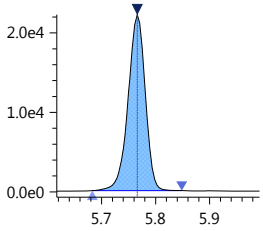


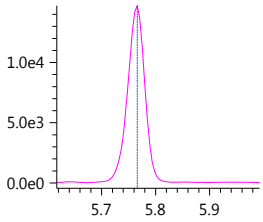
N-EtFOSA

Conc 0.9386
RT 5.766 Area 48923
R#1 66.31 (0.00)

Q 526.90>169.10 (-) 2.23e4



R1 526.90>219.00 (-) 1.47e4



N-EtFOSE-d9_IS

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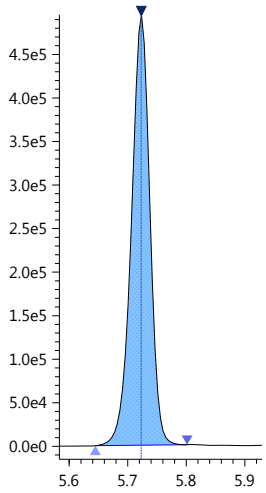
ISTD 638.70>59.10 (-) 4.96e5



N-EtFOSE-d9

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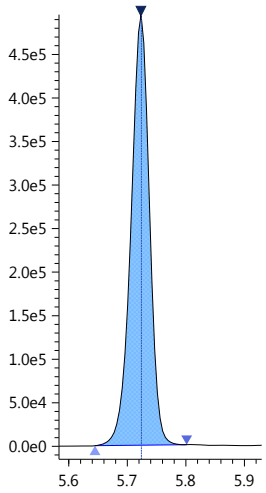
Q 638.70>59.10 (-) 4.96e5



N-EtFOSE

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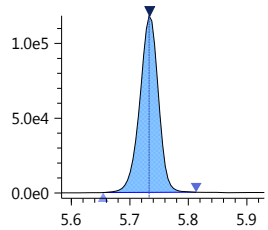
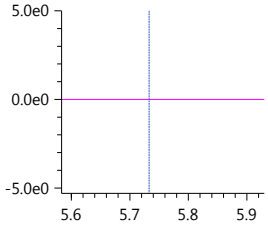
R#1 0.00 (0.00)

Q 630.00>58.90 (-) 1.19e5



R1 570.00>136.10 (-) 0.00e0



13C7-PFUnDA_IS

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RT 5.136 Area 6713004

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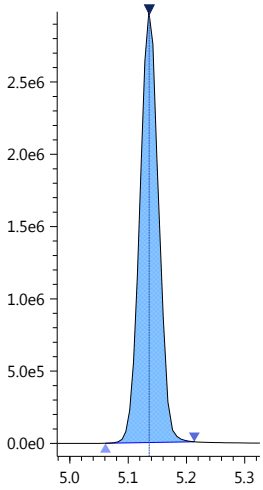
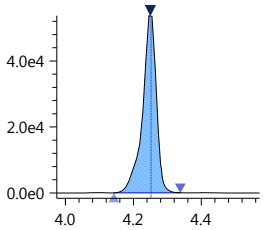


PFPeS

Conc 0.9234
RT 4.250 Area 153120
R#1 150.23 (0.00)

Q 349.00>99.00 (-) 5.37e4



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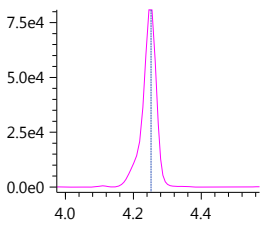

PFNS

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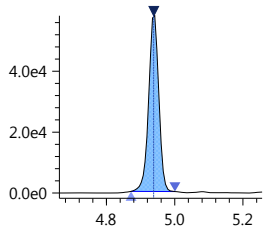
RT 4.939 Area 119547
R#1 115.69 (0.00)

Q 549.00>99.00 (-) 5.83e4



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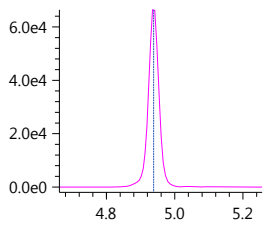

Insight Report

Printed at 6/25/2019 10:11:56 AM

190621_025

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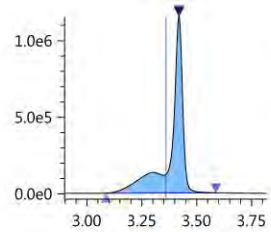
Date acquired: 6/24/2019 6:57:42 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190624_curve\190621_025.lcd
Vial: 31 | Inj. Volume: 15.0000uL | Tray: 1

PFBA-13C_IS
Conc 5.0000
RT 3.419 Area 4211235
ISTD 216.90>172.15 (-) 1.16e6



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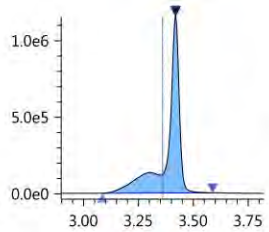
Q 216.90>172.15 (-) 1.16e6



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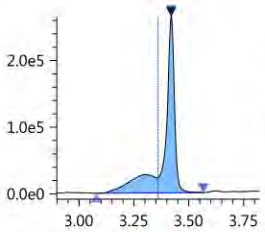
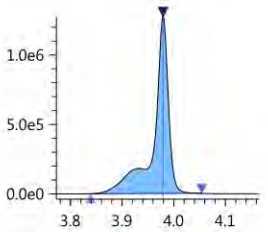


PFPeA-13C_IS
Conc 5.0000
RT 3.979 Area 2529485
ISTD 267.90>223.00 (-) 1.28e6



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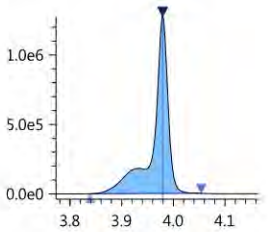

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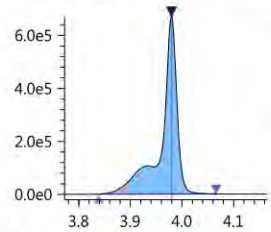
RT 3.980 Area 1381687
Q 263.05>219.10 (-) 6.69e5



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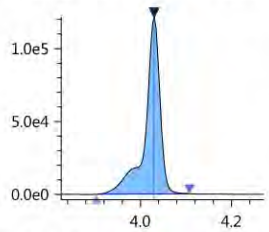
RT 4.030 Area 272005
Q 299.00>80.00 (-) 1.22e5



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RT 4.032 Area 1514820
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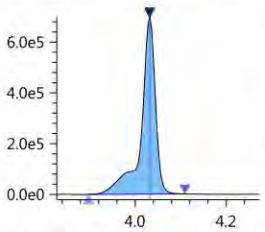

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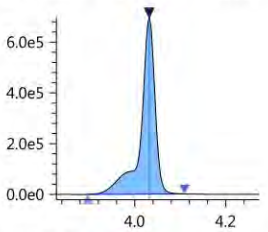

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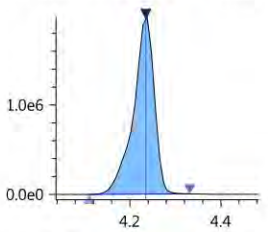
ISTD 314.90>270.10 (-) 1.98e6



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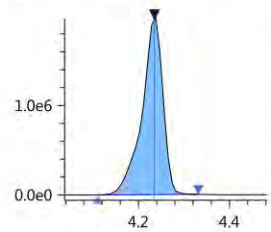
RT 4.235 Area 6288434
Q 314.90>270.10 (-) 1.98e6



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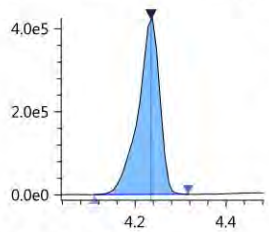

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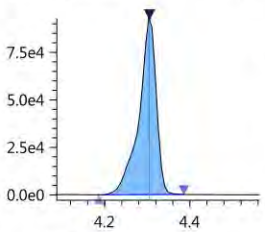
RT 4.305 Area 260941
Q 329.00>169.00 (-) 9.33e4



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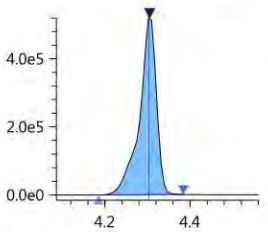

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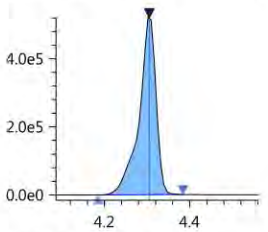

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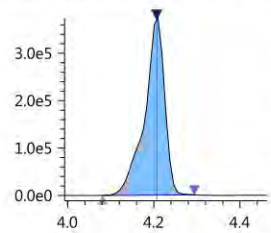

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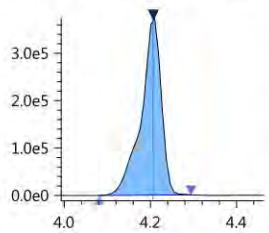

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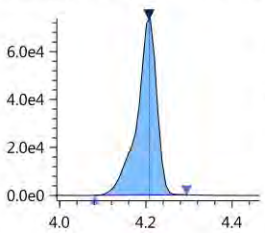

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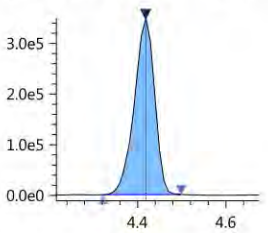

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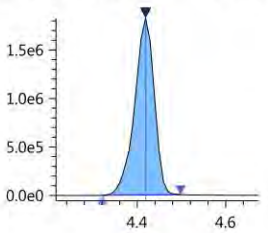
RT 4.419 Area 5632851
ISTD 366.90>322.10 (-) 1.83e6



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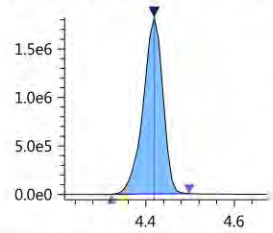

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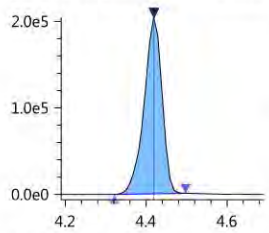

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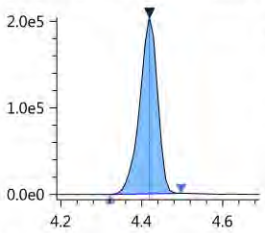

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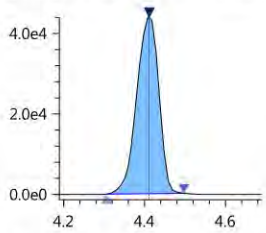

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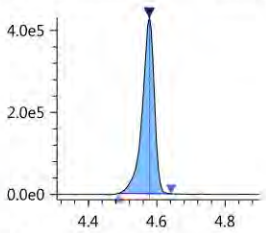
Q 428.90>409.00 (-) 4.32e5



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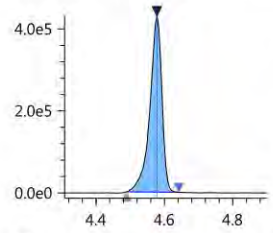

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Conc 0.9684
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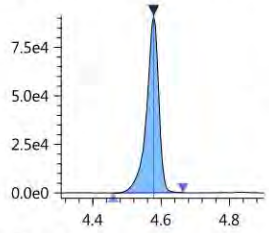
Q 427.00>407.00 (-) 9.13e4



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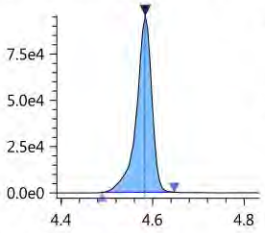

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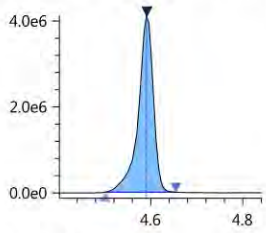

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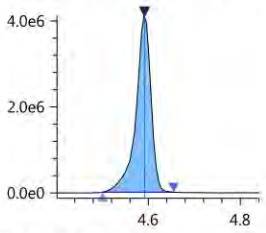

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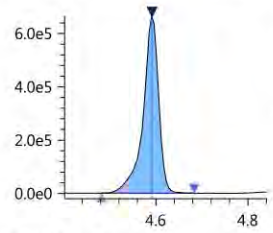

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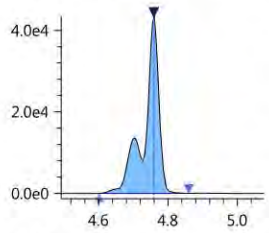

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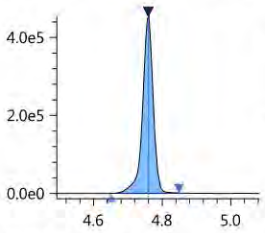

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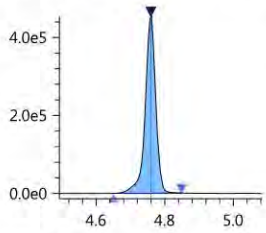

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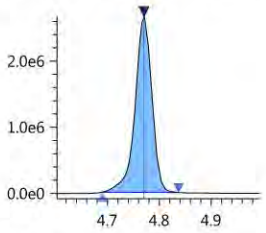

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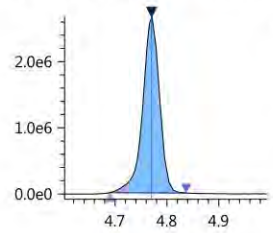
Q 467.80>423.00 (-) 2.68e6



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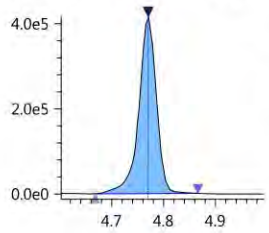
Q 463.00>418.90 (-) 4.17e5



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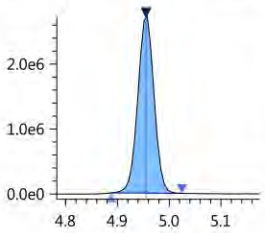
ISTD 514.80>469.95 (-) 2.73e6



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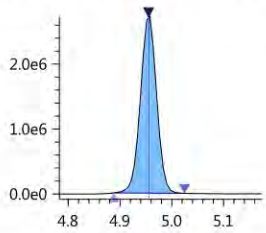

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RT 4.955 Area 1092632
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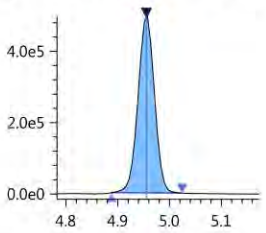

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8_2-FTS-13C_IS
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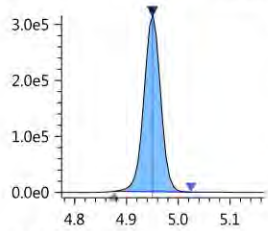
ISTD 528.80>509.00 (-) 3.17e5



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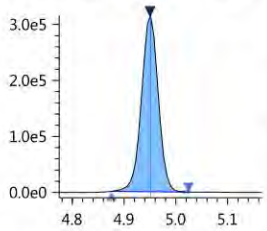
Q 528.80>509.00 (-) 3.17e5



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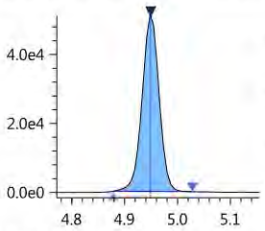

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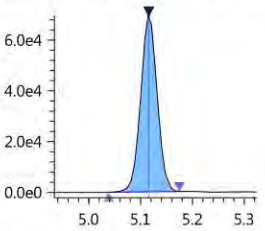

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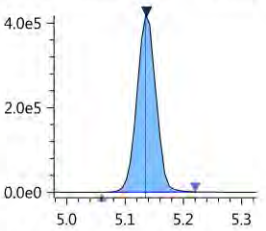

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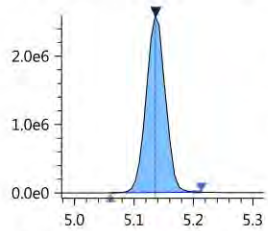

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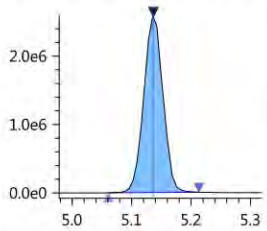

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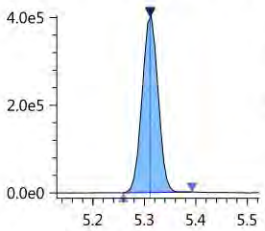

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Conc 5.0771
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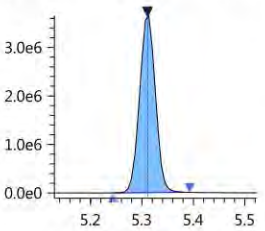
Q 614.80>569.95 (-) 3.66e6



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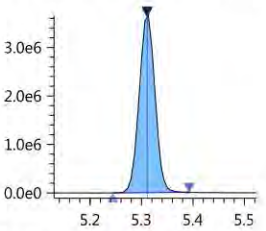
ISTD 614.80>569.95 (-) 3.66e6



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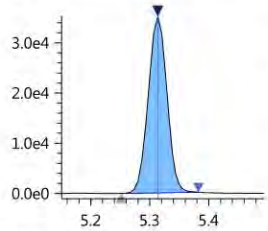

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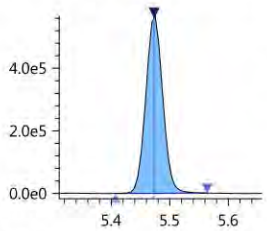

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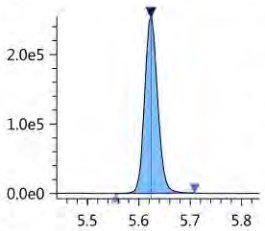

PFTeDA-13C
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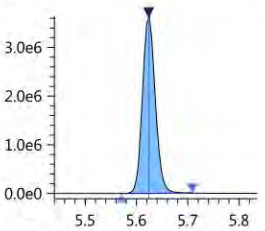
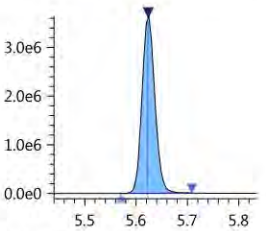
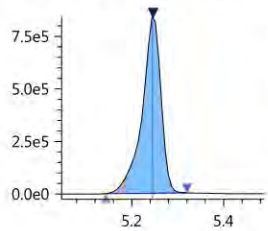
RT 5.623 Area 6331156
Q 714.70>669.90 (-) 3.64e6



PFTeDA-13C_IS
Conc 5.0000
RT 5.623 Area 6331156
ISTD 714.70>669.90 (-) 3.64e6



FOSA-13C_IS
Conc 5.0000
RT 5.246 Area 2395958
ISTD 506.00>78.05 (-) 8.44e5



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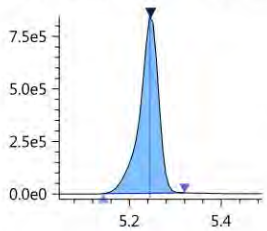
Conc 5.0729
RT 5.246 Area 2395958
Q 506.00>78.05 (-) 8.44e5



FOSA
Conc 0.9345
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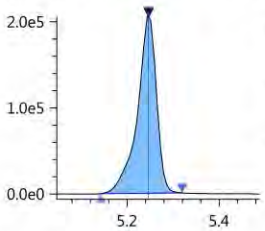

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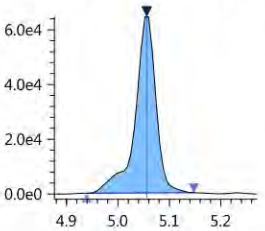
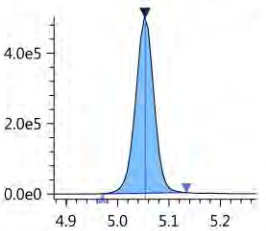


N-MeFOSAA-d3
Conc 4.7929
RT 5.053 Area 1251444
Q 572.80>419.05 (-) 5.04e5



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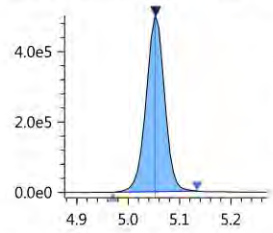
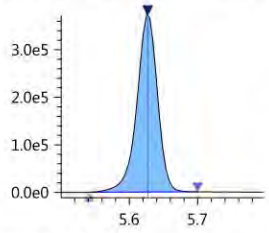
RT 5.053 Area 1251444
ISTD 572.80>419.05 (-) 5.04e5



N-MeFOSA-d3_IS
Conc 5.0000
RT 5.627 Area 783802
ISTD 514.90>168.90 (-) 3.73e5



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Conc 4.7672
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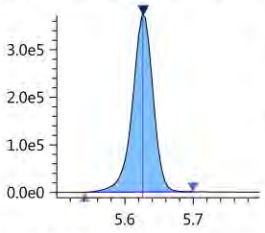
Q 514.90>168.90 (-) 3.73e5



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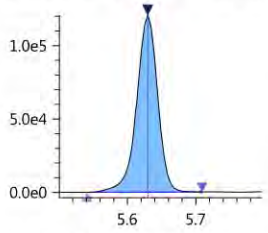
Q 512.00>169.10 (-) 1.21e5



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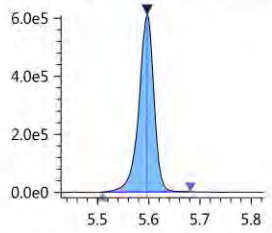
Conc 4.8447
RT 5.597 Area 1246581
Q 622.70>59.10 (-) 6.10e5



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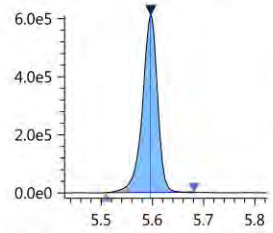
RT 5.597 Area 1246581
ISTD 622.70>59.10 (-) 6.10e5



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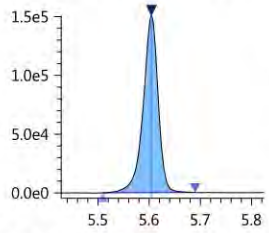
Conc 0.9822
RT 5.604 Area 306937
Q 616.00>59.00 (-) 1.51e5



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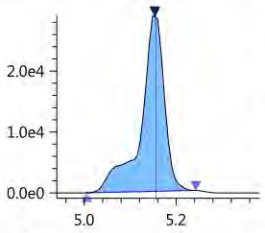
RT 5.154 Area 102216
Q 584.20>418.95 (-) 2.91e4



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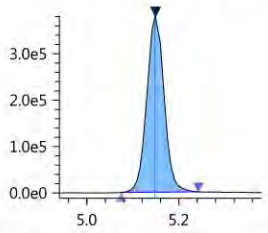
RT 5.149 Area 993833
ISTD 588.80>419.00 (-) 3.82e5



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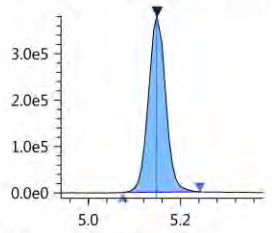

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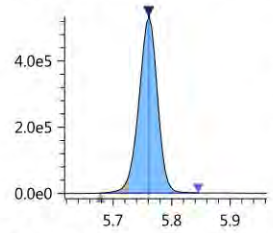
RT 5.761 Area 1178261
ISTD 530.90>169.15 (-) 5.35e5



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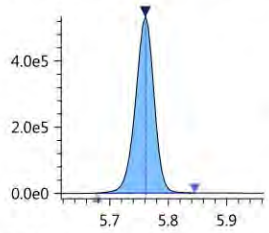
Q 530.90>169.15 (-) 5.35e5



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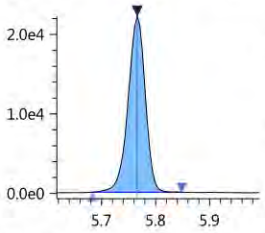
RT 5.766 Area 48923
Q 526.90>169.10 (-) 2.23e4



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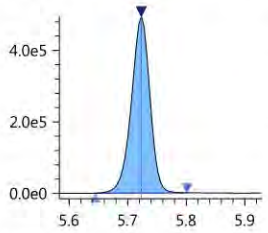
RT 5.723 Area 1087032
ISTD 638.70>59.10 (-) 4.96e5



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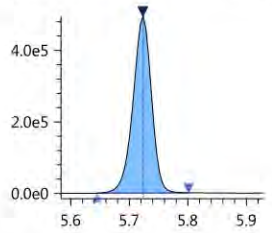

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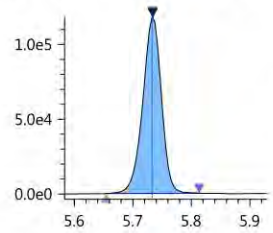
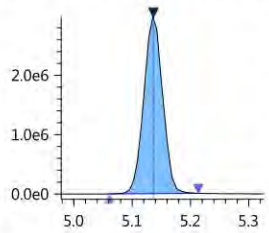
Q 630.00>58.90 (-) 1.19e5



13C7-PFUnDA_IS
Conc 5.0000
RT 5.136 Area 6713004
ISTD 570.00>525.00 (-) 2.99e6



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RT 4.250 Area 153120
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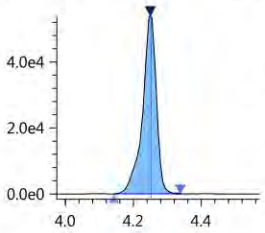

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RT 4.939 Area 119547
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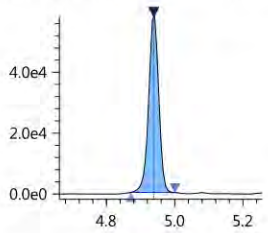

Insight Report

Printed at 6/25/2019 10:29:14 AM

190621_026

Sample ID: 5.0 PPB ICAL
Date acquired: 6/24/2019 7:08:09 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190624_curve\190621_026.lcd
Vial: 32 | Inj. Volume: 15.0000uL | Tray: 1

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
PFBA-13C_IS	Auto	3.416	3950826	3950826	2	5.0000	ng/mL	5.0000
PFBA-13C	Auto	3.416	3950826	6450165	26	4.7122	ng/mL	5.0000
PFBA	Auto	3.419	3911889	3950826	2	4.8323	ng/mL	5.0000
PFPeA-13C_IS	Auto	3.977	2327248	2327248	4	5.0000	ng/mL	5.0000
PFPeA-13C	Auto	3.977	2327248	6450165	26	4.6791	ng/mL	5.0000
PFPeA	Auto	3.978	5616385	2327248	4	4.7987	ng/mL	5.0000
PFBS_1	Auto	4.028	1255803	1341544	16	4.2728	ng/mL	4.4368
PFBS-13C	Auto	4.029	1341544	6450165	26	4.6808	ng/mL	5.0000
PFBS-13C_IS	Auto	4.029	1341544	1341544	16	5.0000	ng/mL	5.0000
PFHxA-13C_IS	Auto	4.233	6356757	6356757	6	5.0000	ng/mL	5.0000
PFHxA-13C	Auto	4.233	6356757	6450165	26	4.8780	ng/mL	5.0000
PFHxA	Auto	4.233	6863094	6356757	6	4.7946	ng/mL	5.0000
HPFO_DA	Auto	4.304	1097268	1223744	3	4.6026	ng/mL	5.0000
HFPO_DA-13C_IS	Auto	4.304	1223744	1223744	3	5.0000	ng/mL	5.0000
HFPO_DA-13C	Auto	4.304	1223744	6450165	26	4.5799	ng/mL	5.0000
4_2-FTS-13C_IS	Auto	4.205	1232549	1232549	5	5.0000	ng/mL	5.0000
4_2-FTS-13C	Auto	4.205	1232549	6450165	26	4.9534	ng/mL	5.0000
4_2-FTS_1	Auto	4.205	1129047	1232549	5	4.4753	ng/mL	4.6861
PFHpA	Auto	4.416	4583094	4813458	8	4.8138	ng/mL	5.0000
PFHpA-13C_IS	Auto	4.416	4813458	4813458	8	5.0000	ng/mL	5.0000
PFHpA-13C	Auto	4.416	4813458	6450165	26	4.2478	ng/mL	5.0000
PFHxS-18O_IS	Auto	4.416	554233	554233	7	5.0000	ng/mL	5.0000
PFHxS-18O	Auto	4.416	554233	6450165	26	4.2232	ng/mL	5.0000
PFHxS_1	Auto	4.409	656163	554233	7	4.3229	ng/mL	4.5654
6_2-FTS-13C	Auto	4.575	941654	6450165	26	4.6819	ng/mL	5.0000
6_2-FTS-13C_IS	Auto	4.575	941654	941654	10	5.0000	ng/mL	5.0000
6_2-FTS_1	Auto	4.575	924053	941654	10	4.4349	ng/mL	4.7558
PFHpS_1	Auto	4.582	998807	554233	7	5.1433	ng/mL	4.7672
PFOA-13C_IS	Auto	4.590	7936940	7936940	9	5.0000	ng/mL	5.0000
PFOA-13C	Auto	4.590	7936940	6450165	26	4.6511	ng/mL	5.0000
PFOA	Auto	4.590	6373579	7936940	9	4.7777	ng/mL	5.0000
PFOS_1	Auto	4.757	552610	848598	13	4.1847	ng/mL	4.6461
PFOS-13C_IS	Auto	4.757	848598	848598	13	5.0000	ng/mL	5.0000
PFOS-13C	Auto	4.757	848598	6450165	26	4.7228	ng/mL	5.0000
PFNA-13C_IS	Auto	4.769	5894239	5894239	11	5.0000	ng/mL	5.0000
PFNA-13C	Auto	4.769	5894239	6450165	26	5.1208	ng/mL	5.0000
PFNA	Auto	4.769	4659131	5894239	11	4.7380	ng/mL	5.0000
PFDA-13C_IS	Auto	4.954	5045929	5045929	12	5.0000	ng/mL	5.0000
PFDA-13C	Auto	4.954	5045929	6450165	26	4.6191	ng/mL	5.0000
PFDA	Auto	4.954	4813412	5045929	12	4.6623	ng/mL	5.0000
8_2-FTS-13C_IS	Auto	4.948	628618	628618	15	5.0000	ng/mL	5.0000
8_2-FTS-13C	Auto	4.948	628618	6450165	26	4.8240	ng/mL	5.0000
8_2-FTS_1	Auto	4.948	459958	628618	15	4.2663	ng/mL	4.8002
PFDS_1	Auto	5.114	647212	848598	13	4.4289	ng/mL	4.8233
PFUnA	Auto	5.135	4067502	5270693	14	4.7251	ng/mL	5.0000
PFUnA-13C_IS	Auto	5.135	5270693	5270693	14	5.0000	ng/mL	5.0000
PFUnA-13C	Auto	5.135	5270693	6450165	26	4.9937	ng/mL	5.0000
PFDoA	Auto	5.309	3752307	6774141	17	4.9805	ng/mL	5.0000
PFDoA-13C	Auto	5.309	6774141	6450165	26	4.5596	ng/mL	5.0000
PFDoA-13C_IS	Auto	5.309	6774141	6774141	17	5.0000	ng/mL	5.0000
10_2-FtS_1	Auto	5.312	353682	628618	15	4.5667	ng/mL	4.8310
PFTrDA	Auto	5.472	5111364	5486582	22	4.9902	ng/mL	5.0000
PFTeDA	Auto	5.622	1737015	5486582	22	4.7954	ng/mL	5.0000
PFTeDA-13C	Auto	5.622	5486582	6450165	26	4.4431	ng/mL	5.0000
PFTeDA-13C_IS	Auto	5.622	5486582	5486582	22	5.0000	ng/mL	5.0000
FOSA-13C_IS	Auto	5.245	2129322	2129322	18	5.0000	ng/mL	5.0000
FOSA-13C	Auto	5.245	2129322	6450165	26	4.6921	ng/mL	5.0000
FOSA	Auto	5.245	2777441	2129322	18	4.9196	ng/mL	5.0000
N-MeFOSAA	Auto	5.053	806405	1175810	19	4.7960	ng/mL	5.0000
N-MeFOSAA-d3	Auto	5.051	1175810	6450165	26	4.6867	ng/mL	5.0000
N-MeFOSAA-d3_IS	Auto	5.051	1175810	1175810	19	5.0000	ng/mL	5.0000
N-MeFOSA-d3_IS	Auto	5.626	742867	742867	1	5.0000	ng/mL	5.0000
N-MeFOSA-d3	Auto	5.626	742867	6450165	26	4.7024	ng/mL	5.0000
N-MeFOSA	Auto	5.629	1179672	742867	1	4.6555	ng/mL	5.0000
N-MeFOSE-d7	Auto	5.596	1160065	6450165	26	4.6922	ng/mL	5.0000
N-MeFOSE-d7_IS	Auto	5.596	1160065	1160065	20	5.0000	ng/mL	5.0000
N-MeFOSE	Auto	5.604	1413152	1160065	20	4.8591	ng/mL	5.0000
N-EtFOSAA	Auto	5.152	535468	945762	21	4.6731	ng/mL	5.0000

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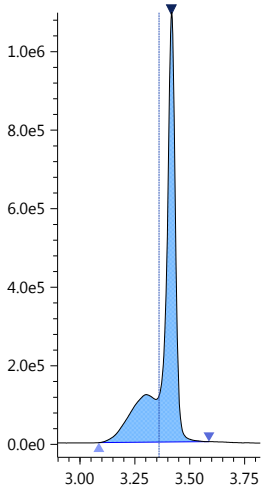
(Table continued from previous page)

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
N-EtFOSAA-d5_IS	Auto	5.147	945762	945762	21	5.0000	ng/mL	5.0000
N-EtFOSAA-d5	Auto	5.147	945762	6450165	26	4.6289	ng/mL	5.0000
N-EtFOSA-d9_IS	Auto	5.760	1078352	1078352	23	5.0000	ng/mL	5.0000
N-EtFOSA-d9	Auto	5.760	1078352	6450165	26	4.6654	ng/mL	5.0000
N-EtFOSA	Auto	5.765	226386	1078352	23	4.7456	ng/mL	5.0000
N-EtFOSE-d9_IS	Auto	5.722	1035827	1035827	24	5.0000	ng/mL	5.0000
N-EtFOSE-d9	Auto	5.722	1035827	6450165	26	4.7699	ng/mL	5.0000
N-EtFOSE	Auto	5.733	1197359	1035827	24	4.7685	ng/mL	5.0000
13C7-PFUnDA_IS	Auto	5.135	6450165	6450165	26	5.0000	ng/mL	5.0000
PFPeS	Auto	4.250	674926	1341544	16	4.5960	ng/mL	4.7046
PFNS	Auto	4.937	488131	848598	13	4.4662	ng/mL	4.8079

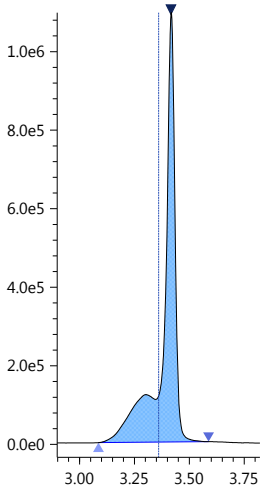
PFBA-13C_IS

Conc 5.0000
RT 3.416 Area 3950826
ISTD 216.90>172.15 (-) 1.10e6



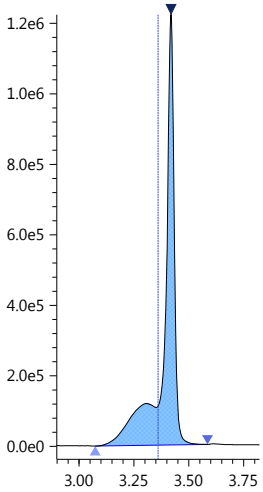
PFBA-13C

Conc 4.7122
RT 3.416 Area 3950826
Q 216.90>172.15 (-) 1.10e6



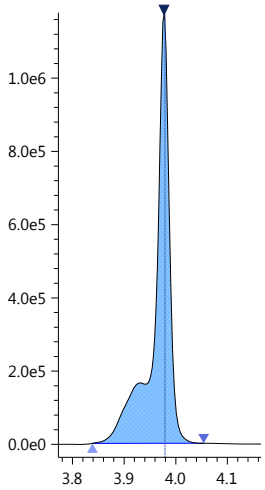
PFBA

Conc 4.8323
RT 3.419 Area 3911889
Q 213.00>169.10 (-) 1.22e6



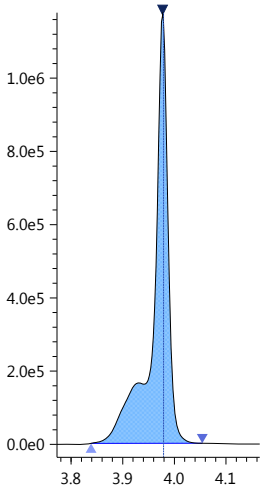
PFPeA-13C_IS

Conc 5.0000
RT 3.977 Area 2327248
ISTD 267.90>223.00 (-) 1.18e6



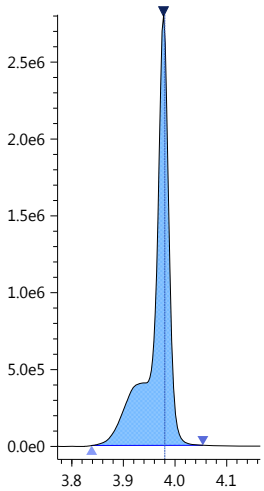
PFPeA-13C

Conc 4.6791
RT 3.977 Area 2327248
Q 267.90>223.00 (-) 1.18e6



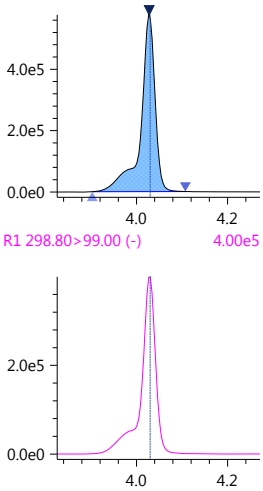
PFPeA

Conc 4.7987
RT 3.978 Area 5616385
Q 263.05>219.10 (-) 2.81e6



PFBS_1

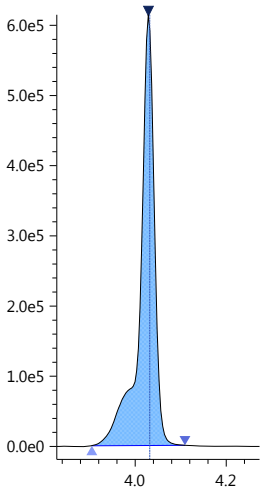
Conc 4.2728
RT 4.028 Area 1255803
R#1 68.67 (0.00)
Q 299.00>80.00 (-) 5.78e5



R1 298.80>99.00 (-) 4.00e5

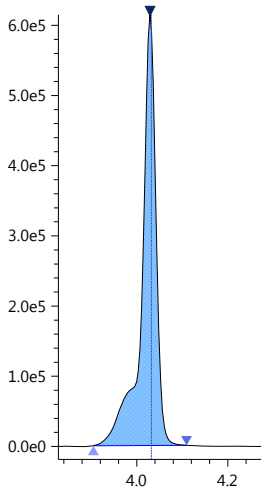
PFBS-13C

Conc 4.6808
RT 4.029 Area 1341544
Q 301.80>80.00 (-) 6.15e5



PFBS-13C_IS

Conc 5.0000
RT 4.029 Area 1341544
ISTD 301.80>80.00 (-) 6.15e5



PFHxA-13C_IS

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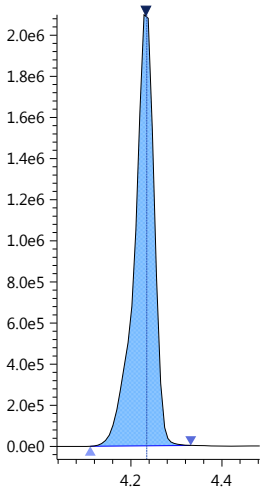
RT 4.233 Area 6356757
ISTD 314.90>270.10 (-) 2.10e6



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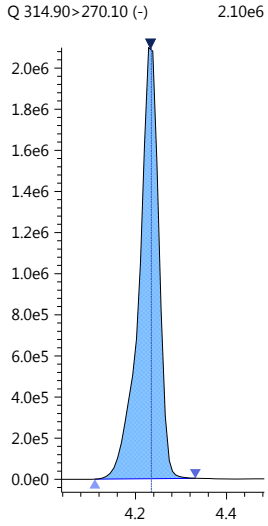
PFHxA-13C
Conc 4.8780
RT 4.233 Area 6356757



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Conc 4.7946
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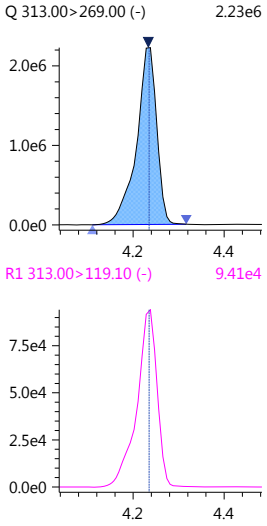
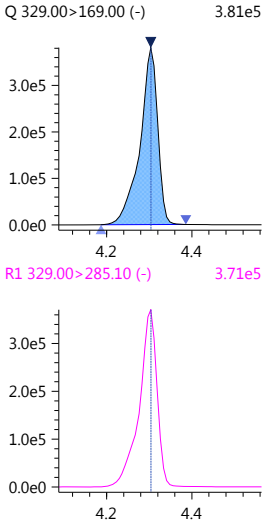
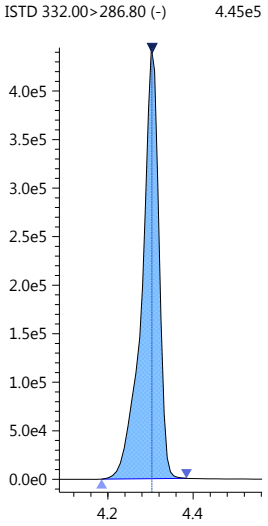
R#1 4.13 (0.00)



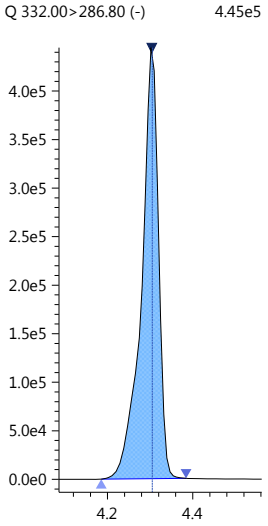
HPFO_DA
Conc 4.6026
RT 4.304 Area 1097268
R#1 96.71 (0.00)



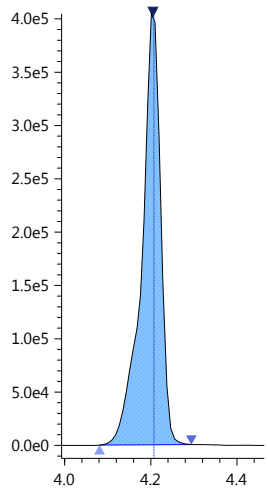
HFPO_DA-13C_IS
Conc 5.0000
RT 4.304 Area 1223744



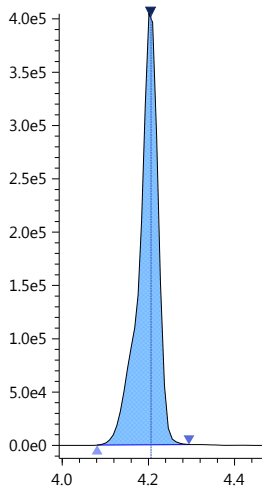
HFPO_DA-13C
Conc 4.5799
RT 4.304 Area 1223744



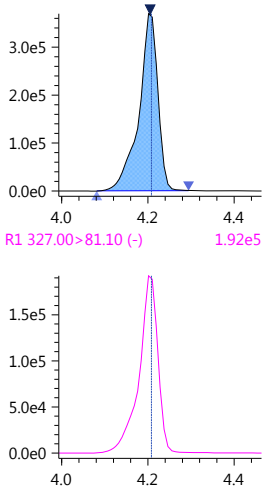
4_2-FTS-13C_IS
Conc 5.0000
RT 4.205 Area 1232549



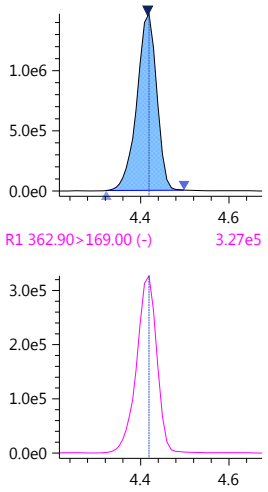
4_2-FTS-13C
Conc 4.9534
RT 4.205 Area 1232549



4_2-FTS_1
Conc 4.4753
RT 4.205 Area 1129047
R#1 51.93 (0.00)



PFHpA
Conc 4.8138
RT 4.416 Area 4583094
R#1 22.19 (0.00)



PFHpA-13C_IS
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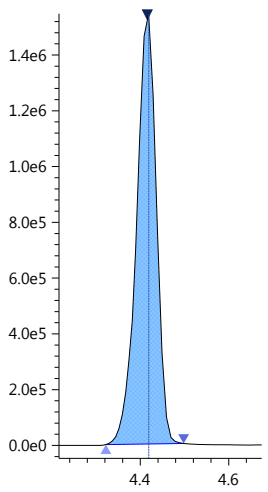
RT 4.416 Area 4813458



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PFHpA-13C
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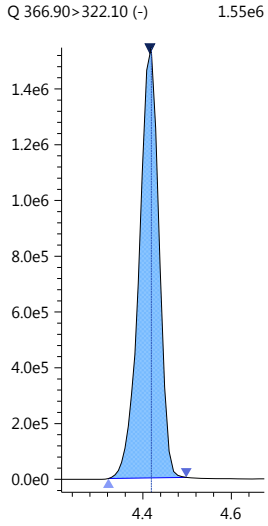
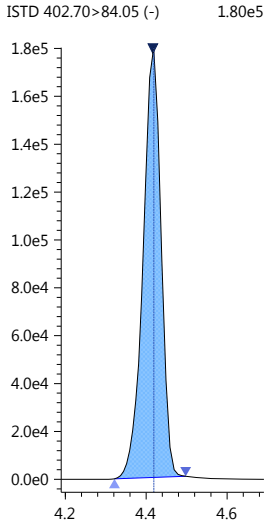
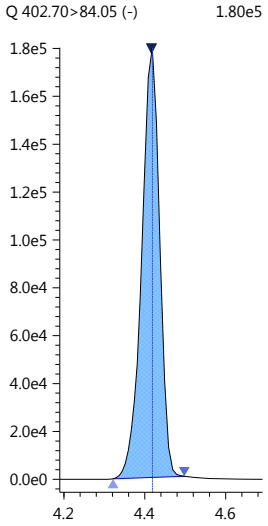


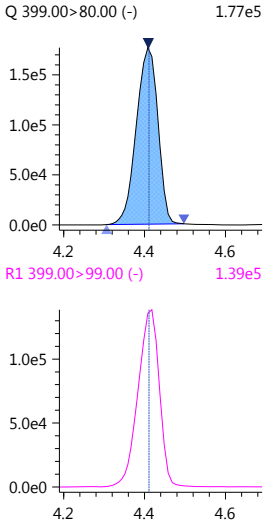
PFHxS-18O_IS
Conc 5.0000
RT 4.416 Area 554233



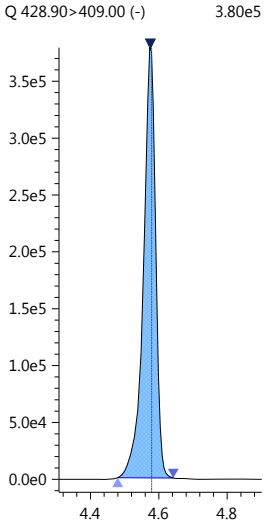
PFHxS-18O
Conc 4.2232
RT 4.416 Area 554233



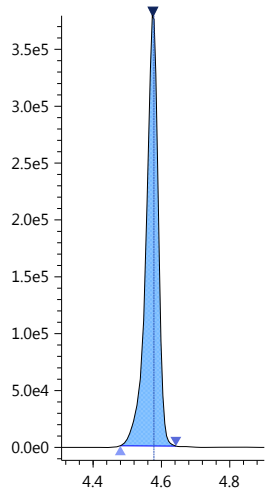
PFHxS_1
Conc 4.3229
RT 4.409 Area 656163
R#1 76.49 (0.00)



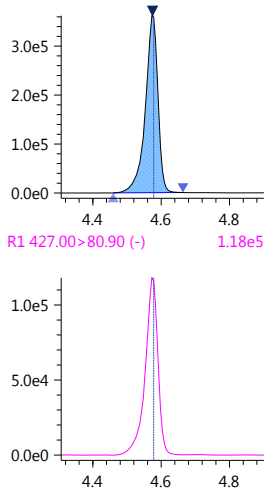
6_2-FTS-13C
Conc 4.6819
RT 4.575 Area 941654



6_2-FTS-13C_IS
Conc 5.0000
RT 4.575 Area 941654



6_2-FTS_1
Conc 4.4349
RT 4.575 Area 924053
R#1 32.81 (0.00)



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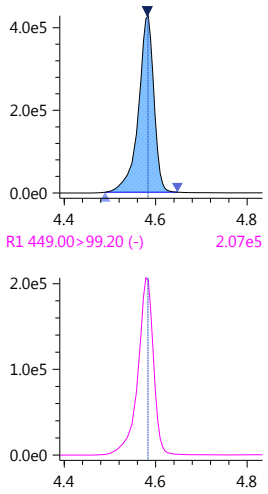
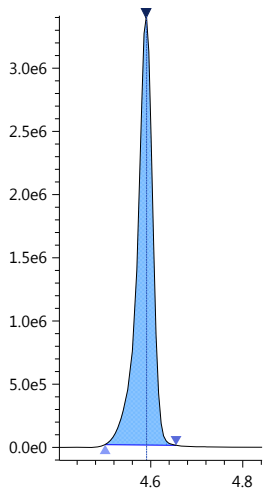
Conc 5.1433
RT 4.582 Area 998807
R#1 49.55 (0.00)



PFOA-13C_IS
Conc 5.0000
RT 4.590 Area 7936940



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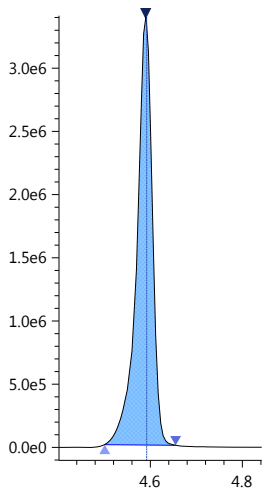
Conc 4.6511
RT 4.590 Area 7936940



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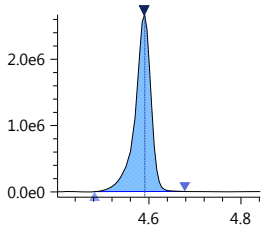
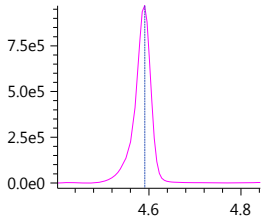
PFOA

Conc 4.7777
RT 4.590 Area 6373579
R#1 36.24 (0.00)

Q 413.00>369.00 (-) 2.67e6



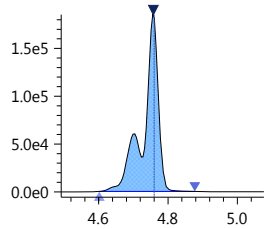
R1 413.00>169.10 (-) 9.69e5



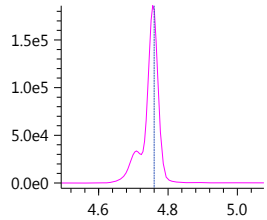
PFOS_1

Conc 4.1847
RT 4.757 Area 552610
R#1 99.37 (0.00)

Q 499.00>80.00 (-) 1.85e5



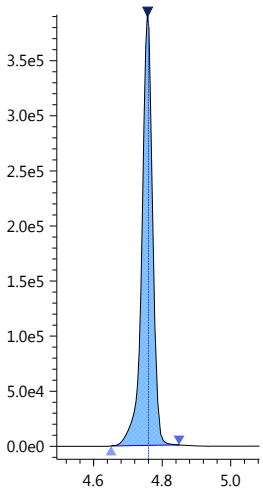
R1 499.00>99.00 (-) 1.86e5



PFOS-13C_IS

Conc 5.0000
RT 4.757 Area 848598

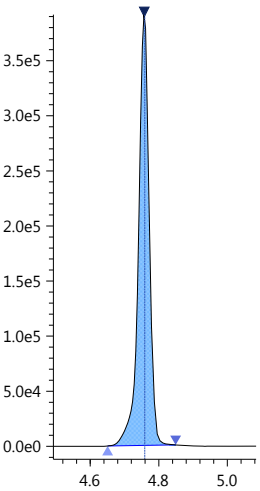
ISTD 502.80>80.05 (-) 3.92e5



PFOS-13C

Conc 4.7228
RT 4.757 Area 848598

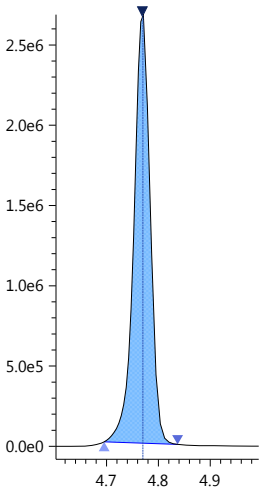
Q 502.80>80.05 (-) 3.92e5



PFNA-13C_IS

Conc 5.0000
RT 4.769 Area 5894239

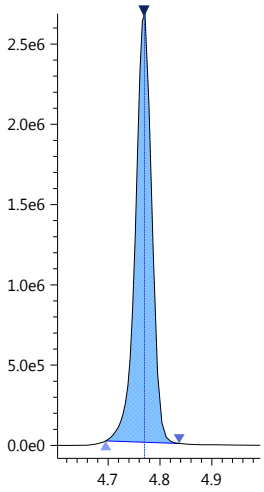
ISTD 467.80>423.00 (-) 2.69e6



PFNA-13C

Conc 5.1208
RT 4.769 Area 5894239

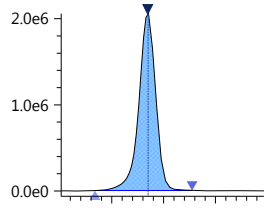
Q 467.80>423.00 (-) 2.69e6



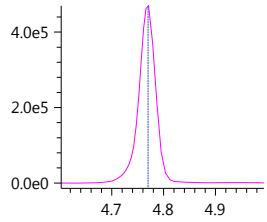
PFNA

Conc 4.7380
RT 4.769 Area 4659131
R#1 22.74 (0.00)

Q 463.00>418.90 (-) 2.06e6



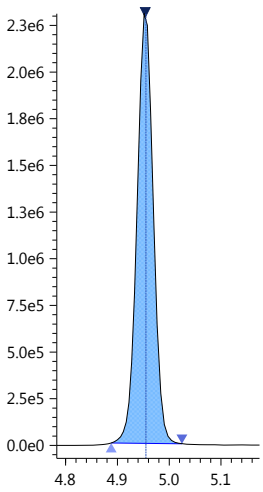
R1 463.00>219.00 (-) 4.70e5



PFDA-13C_IS

Conc 5.0000
RT 4.954 Area 5045929

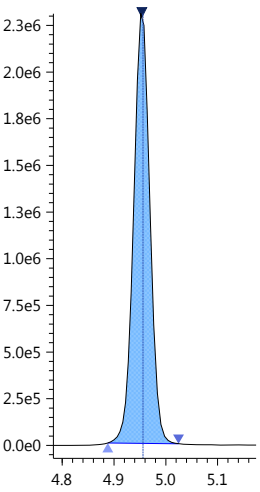
ISTD 514.80>469.95 (-) 2.31e6



PFDA-13C

Conc 4.6191
RT 4.954 Area 5045929

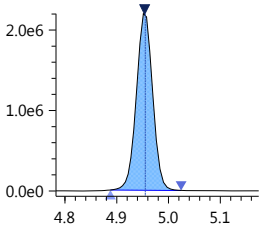
Q 514.80>469.95 (-) 2.31e6



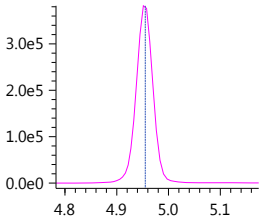
PFDA

Conc 4.6623
RT 4.954 Area 4813412
R#1 17.38 (0.00)

Q 513.00>468.80 (-) 2.20e6



R1 513.00>219.10 (-) 3.82e5



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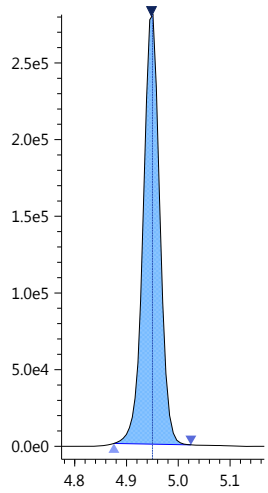
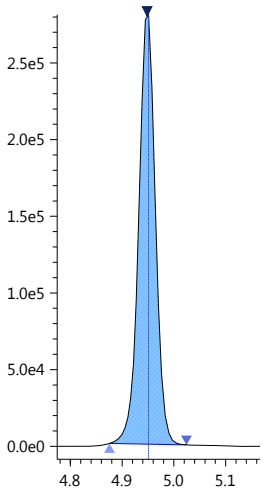
8_2-FTS-13C_IS
Conc 5.0000
RT 4.948 Area 628618

ISTD 528.80>509.00 (-) 2.82e5



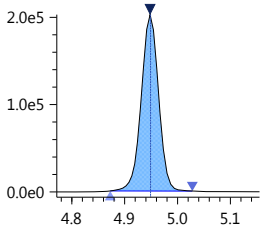
8_2-FTS-13C
Conc 4.8240
RT 4.948 Area 628618

Q 528.80>509.00 (-) 2.82e5

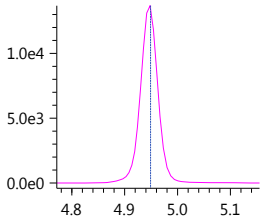


8_2-FTS_1
Conc 4.2663
RT 4.948 Area 459958
R#1 6.74 (6.32)

Q 527.10>506.90 (-) 2.03e5



R1 527.20>487.00 (-) 1.37e4



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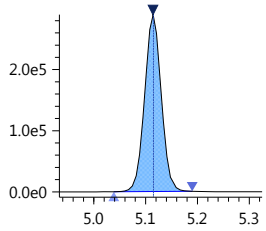
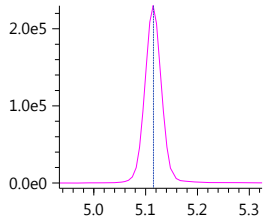
Conc 4.4289
RT 5.114 Area 647212
R#1 79.20 (0.00)

Q 599.00>79.90 (-) 2.90e5



R1 599.00>99.10 (-) 2.30e5



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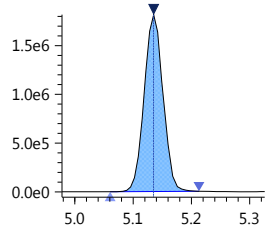
Conc 4.7251
RT 5.135 Area 4067502
R#1 12.02 (0.00)

Q 563.00>518.90 (-) 1.82e6



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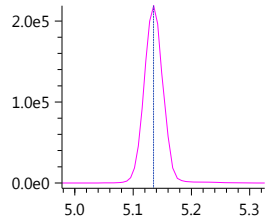
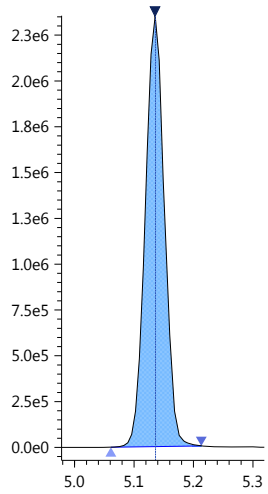


PFUnA-13C_IS
Conc 5.0000
RT 5.135 Area 5270693

ISTD 564.80>519.95 (-) 2.36e6



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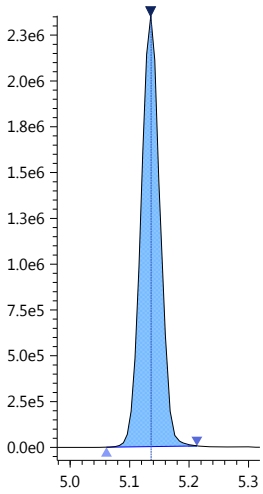
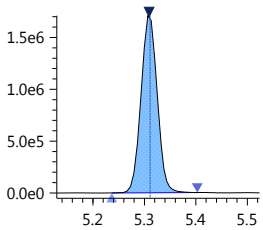
Conc 4.9937
RT 5.135 Area 5270693

Q 564.80>519.95 (-) 2.36e6

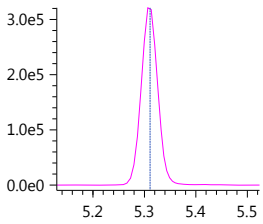


PFDoA
Conc 4.9805
RT 5.309 Area 3752307
R#1 18.75 (0.00)

Q 613.05>569.00 (-) 1.71e6

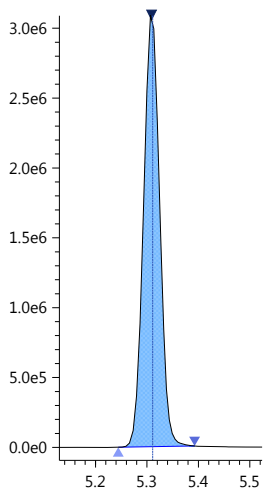


R1 613.05>169.00 (-) 3.21e5



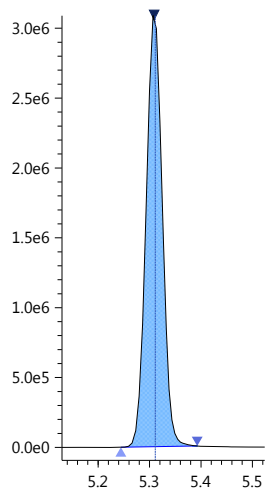
PFDoA-13C
Conc 4.5596
RT 5.309 Area 6774141

Q 614.80>569.95 (-) 3.09e6



PFDoA-13C_IS
Conc 5.0000
RT 5.309 Area 6774141

ISTD 614.80>569.95 (-) 3.09e6



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10_2-FtS_1
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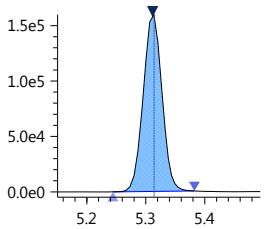
RT 5.312 Area 353682
R#1 29.71 (0.00)
Q 627.00>606.95 (-) 1.60e5



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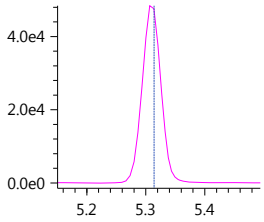

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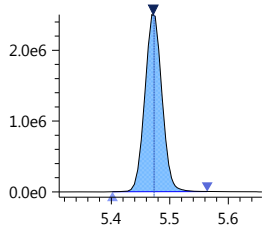
R#1 19.22 (0.00)
Q 663.00>618.90 (-) 2.50e6



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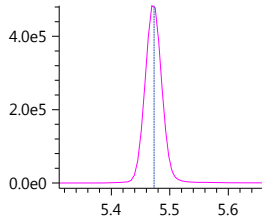
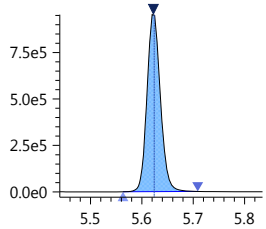
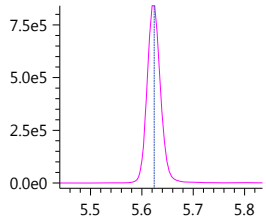


PFTeDA
Conc 4.7954
RT 5.622 Area 1737015
R#1 88.19 (0.00)
Q 713.40>669.00 (-) 9.54e5



R1 713.40>169.10 (-) 8.41e5



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Conc 4.4431
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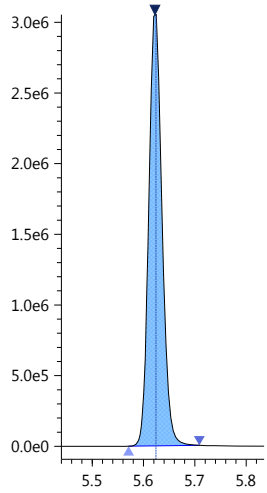
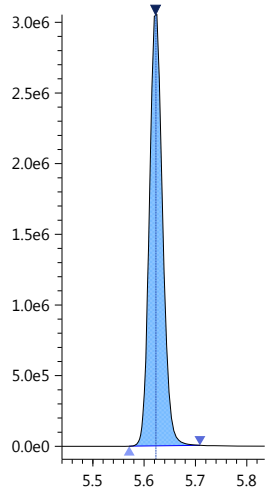
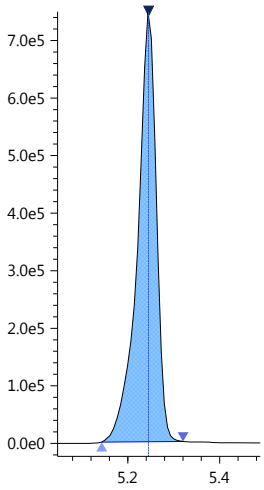
Q 714.70>669.90 (-) 3.05e6



PFTeDA-13C_IS
Conc 5.0000
RT 5.622 Area 5486582
ISTD 714.70>669.90 (-) 3.05e6



FOSA-13C_IS
Conc 5.0000
RT 5.245 Area 2129322
ISTD 506.00>78.05 (-) 7.50e5



FOSA-13C
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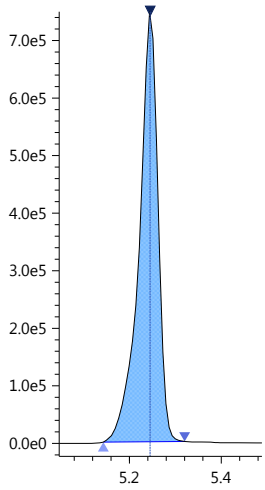
RT 5.245 Area 2129322
Q 506.00>78.05 (-) 7.50e5



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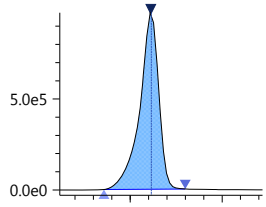
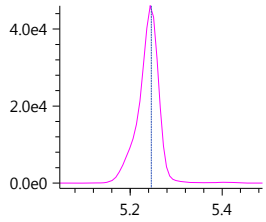
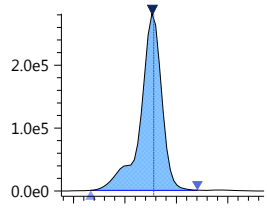
RT 5.245 Area 2777441
R#1 4.72 (0.00)
Q 498.20>78.00 (-) 9.74e5



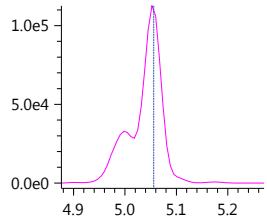
R1 498.20>64.10 (-) 4.60e4



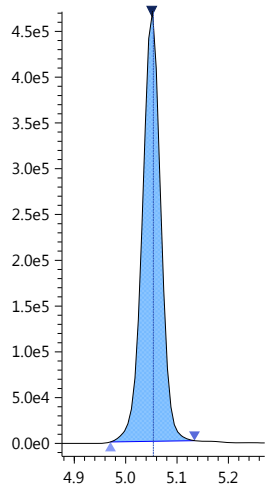
N-MeFOSAA
Conc 4.7960
RT 5.053 Area 806405
R#1 40.03 (0.00)
Q 570.20>419.00 (-) 2.82e5



R1 570.20>512.00 (-) 1.13e5



N-MeFOSAA-d3
Conc 4.6867
RT 5.051 Area 1175810
Q 572.80>419.05 (-) 4.72e5



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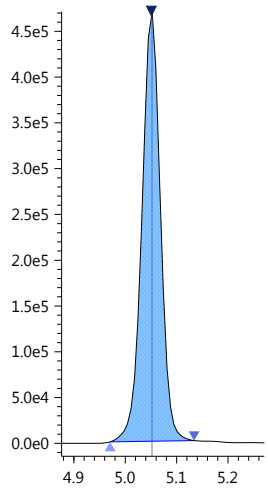
N-MeFOSAA-d3_IS

Conc 5.0000
RT 5.051 Area 1175810

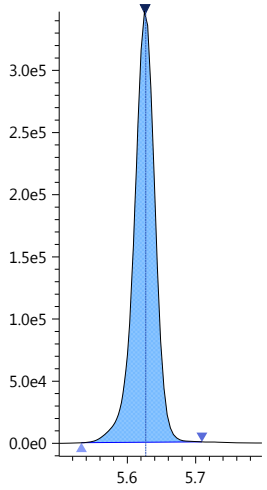
ISTD 572.80>419.05 (-) 4.72e5



N-MeFOSA-d3_IS

Conc 5.0000
RT 5.626 Area 742867

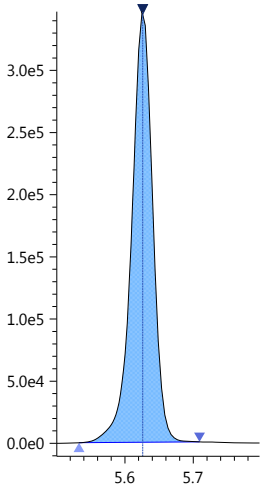
ISTD 514.90>168.90 (-) 3.47e5



N-MeFOSA-d3

Conc 4.7024
RT 5.626 Area 742867

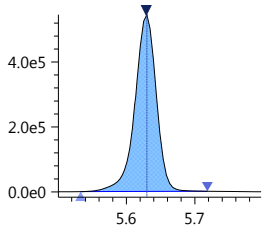
Q 514.90>168.90 (-) 3.47e5



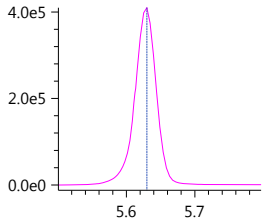
N-MeFOSA

Conc 4.6555
RT 5.629 Area 1179672
R#1 75.00 (0.00)

Q 512.00>169.10 (-) 5.46e5



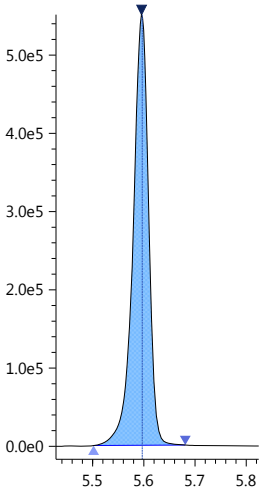
R1 512.00>219.00 (-) 4.10e5



N-MeFOSE-d7

Conc 4.6922
RT 5.596 Area 1160065

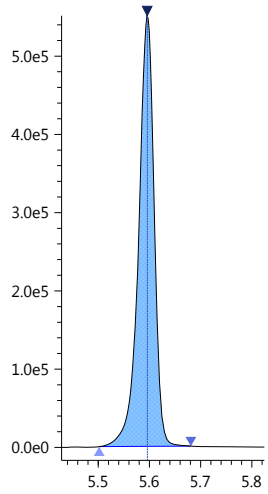
Q 622.70>59.10 (-) 5.52e5



N-MeFOSE-d7_IS

Conc 5.0000
RT 5.596 Area 1160065

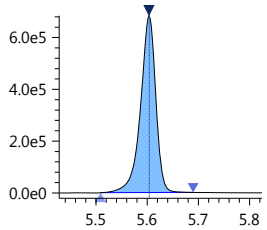
ISTD 622.70>59.10 (-) 5.52e5



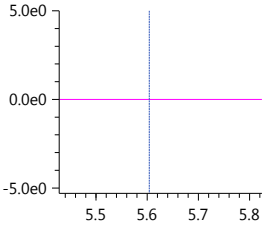
N-MeFOSE

Conc 4.8591
RT 5.604 Area 1413152
R#1 0.00 (0.00)

Q 616.00>59.00 (-) 6.84e5



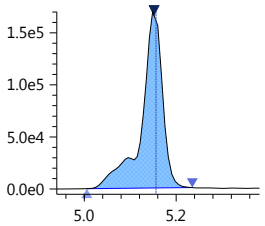
R1 556.00>121.20 (-) 0.00e0



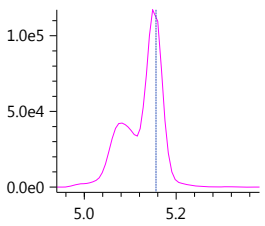
N-EtFOSAA

Conc 4.6731
RT 5.152 Area 535468
R#1 68.55 (0.00)

Q 584.20>418.95 (-) 1.70e5



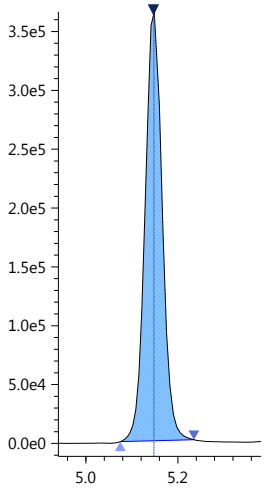
R1 584.20>526.10 (-) 1.17e5



N-EtFOSAA-d5_IS

Conc 5.0000
RT 5.147 Area 945762

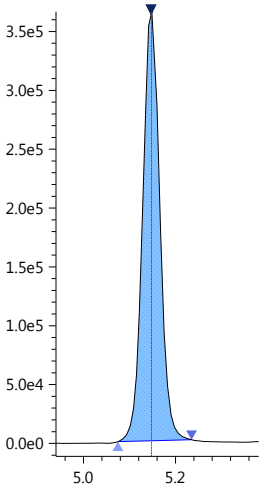
ISTD 588.80>419.00 (-) 3.67e5



N-EtFOSAA-d5

Conc 4.6289
RT 5.147 Area 945762

Q 588.80>419.00 (-) 3.67e5



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N-EtFOSA-d9_IS

Conc 5.0000
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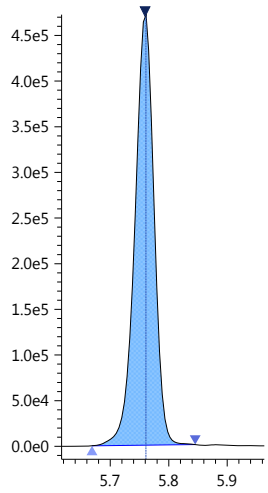
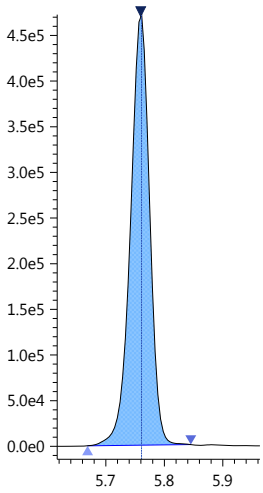
ISTD 530.90>169.15 (-) 4.73e5



N-EtFOSA-d9

Conc 4.6654
RT 5.760 Area 1078352

Q 530.90>169.15 (-) 4.73e5



N-EtFOSA

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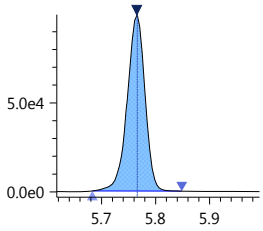
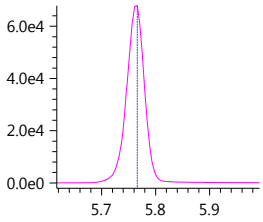
RT 5.765 Area 226386
R#1 68.29 (0.00)

Q 526.90>169.10 (-) 9.96e4



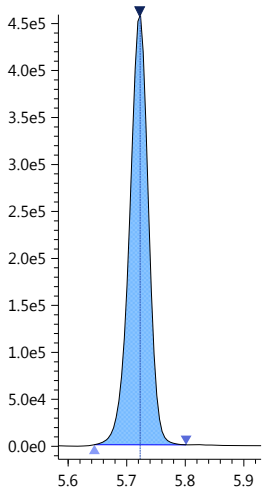
R1 526.90>219.00 (-) 6.79e4



N-EtFOSE-d9_IS

Conc 5.0000
RT 5.722 Area 1035827

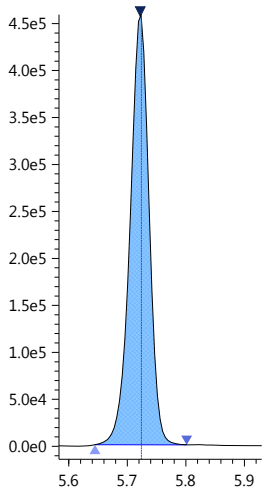
ISTD 638.70>59.10 (-) 4.60e5



N-EtFOSE-d9

Conc 4.7699
RT 5.722 Area 1035827

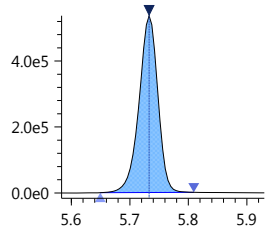
Q 638.70>59.10 (-) 4.60e5



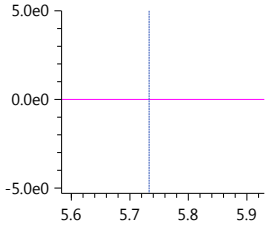
N-EtFOSE

Conc 4.7685
RT 5.733 Area 1197359
R#1 0.00 (0.00)

Q 630.00>58.90 (-) 5.37e5



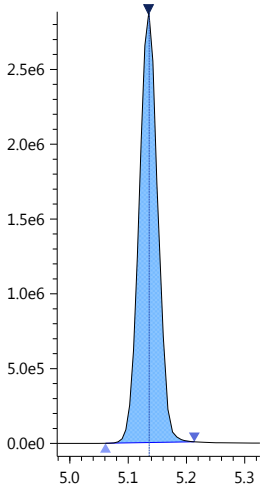
R1 570.00>136.10 (-) 0.00e0



13C7-PFUnDA_IS

Conc 5.0000
RT 5.135 Area 6450165

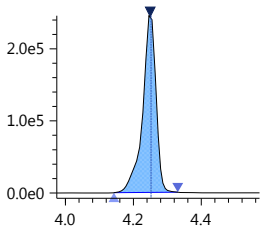
ISTD 570.00>525.00 (-) 2.89e6



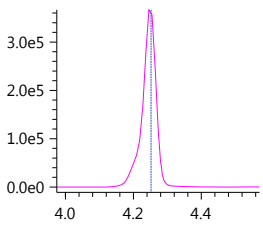
PFPeS

Conc 4.5960
RT 4.250 Area 674926
R#1 149.08 (0.00)

Q 349.00>99.00 (-) 2.46e5



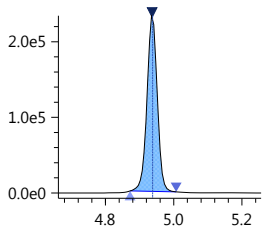
R1 349.00>79.95 (-) 3.67e5



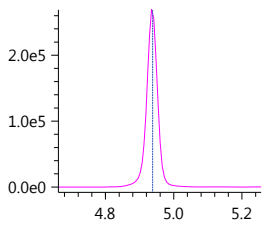
PFNS

Conc 4.4662
RT 4.937 Area 488131
R#1 114.26 (0.00)

Q 549.00>99.00 (-) 2.34e5



R1 549.00>79.95 (-) 2.69e5



Insight Report

Printed at 6/25/2019 10:11:56 AM

190621_026

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Date acquired: 6/24/2019 7:08:09 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190624_curve\190621_026.lcd
Vial: 32 | Inj. Volume: 15.0000uL | Tray: 1

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Conc 5.0000
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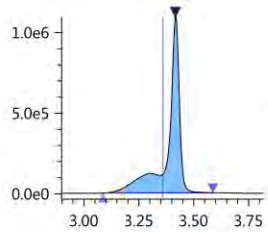
ISTD 216.90>172.15 (-) 1.10e6



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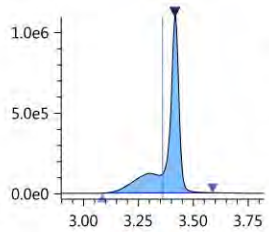

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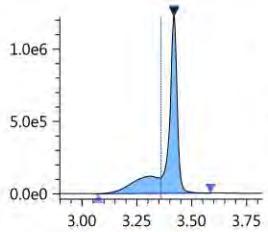
Q 213.00>169.10 (-) 1.22e6



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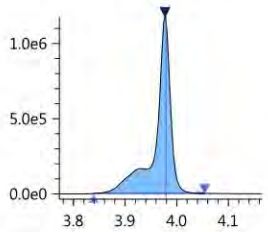
RT 3.977 Area 2327248
ISTD 267.90>223.00 (-) 1.18e6



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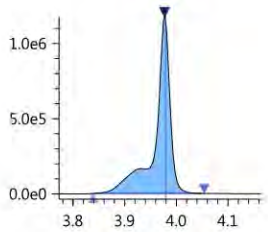

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Conc 3.0696
RT 3.978 Area 5616385
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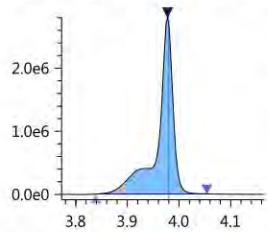

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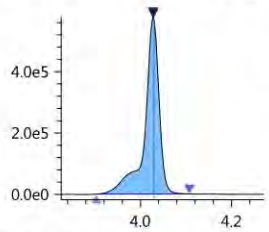
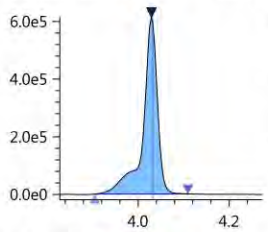
RT 4.028 Area 1255803
Q 299.00>80.00 (-) 5.78e5



PFBS-13C
Conc 4.6808
RT 4.029 Area 1341544
Q 301.80>80.00 (-) 6.15e5



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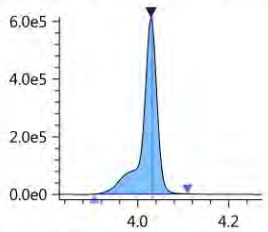

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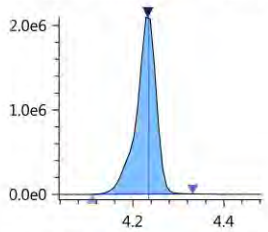

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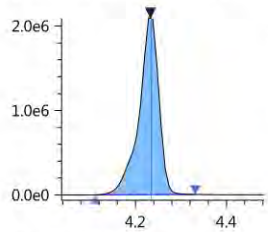

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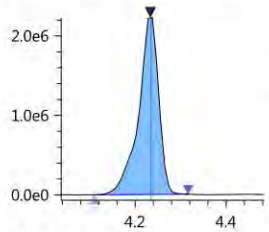
Q 313.00>269.00 (-) 2.23e6



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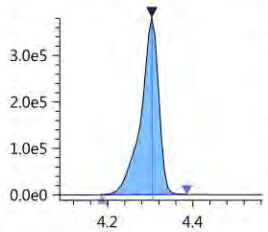
RT 4.304 Area 1097268
Q 329.00>169.00 (-) 3.81e5



HFPO_DA-13C_IS
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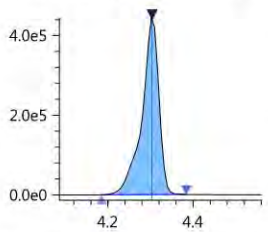
ISTD 332.00>286.80 (-) 4.45e5



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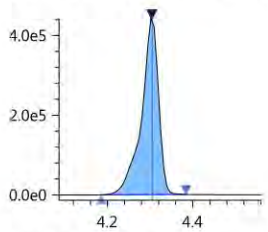

4_2-FTS-13C_IS
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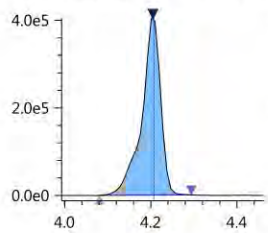

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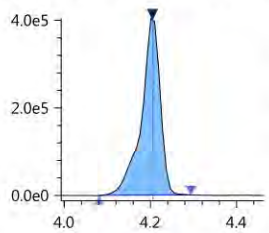

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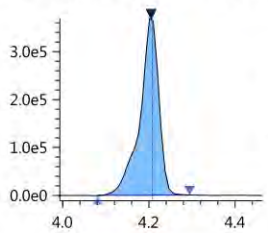
Q 327.00>307.05 (-) 3.70e5



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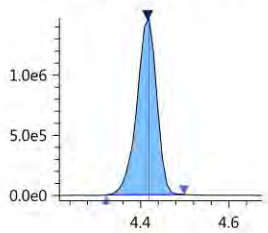

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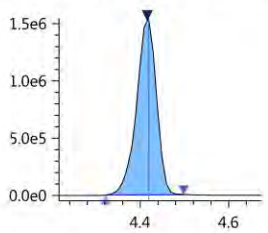

Insight Report

Printed at 6/25/2019 10:11:56 AM

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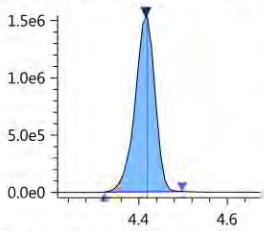

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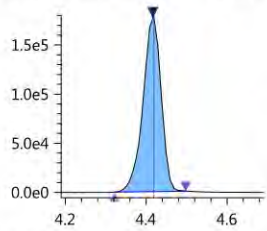

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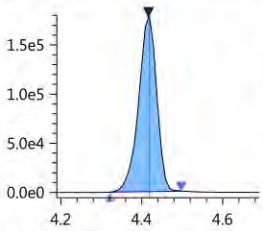

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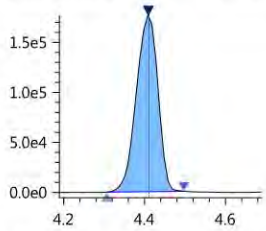
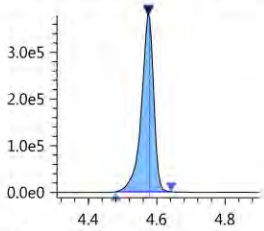
RT 4.409 Area 656163
Q 399.00>80.00 (-) 1.77e5



6_2-FTS-13C
Conc 4.6819
RT 4.575 Area 941654
Q 428.90>409.00 (-) 3.80e5



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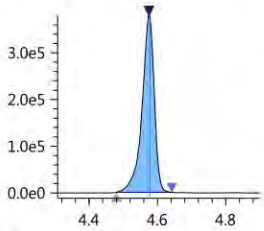

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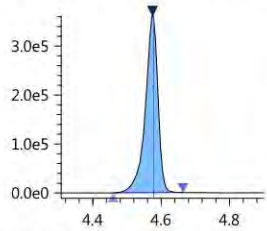

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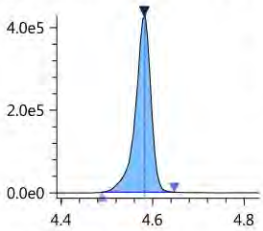

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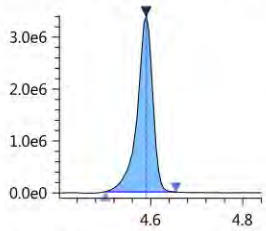

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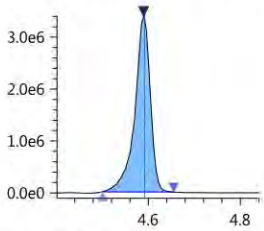

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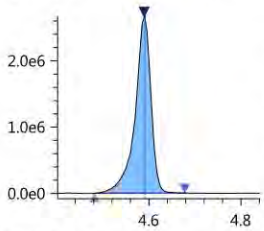

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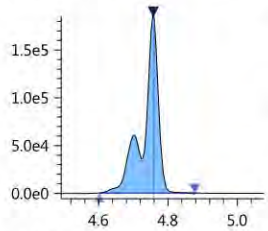
Q 499.00>80.00 (-) 1.85e5



PFOS-13C_IS
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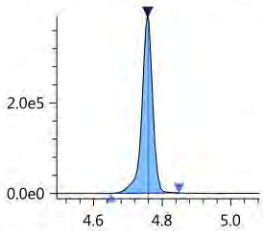
ISTD 502.80>80.05 (-) 3.92e5



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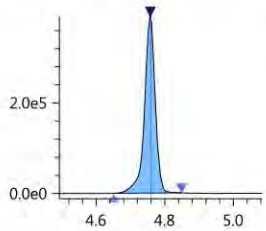

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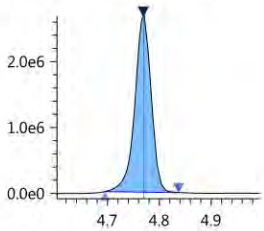
RT 4.769 Area 5894239
ISTD 467.80>423.00 (-) 2.69e6



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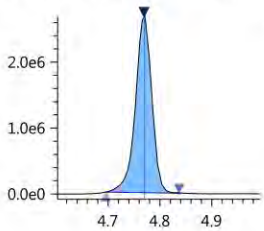
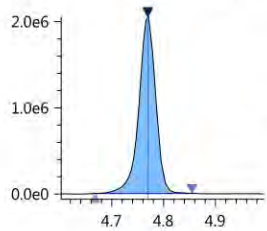
Q 467.80>423.00 (-) 2.69e6



PFNA
Conc 4.3057
RT 4.769 Area 4659131
Q 463.00>418.90 (-) 2.06e6



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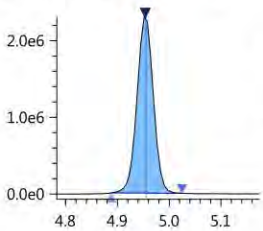

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RT 4.954 Area 5045929
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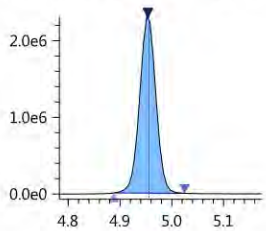

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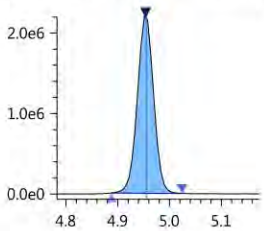

Insight Report

Printed at 6/25/2019 10:11:56 AM

8_2-FTS-13C_IS
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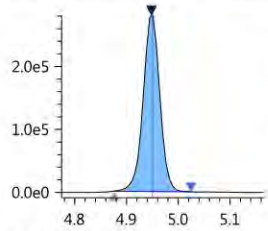
ISTD 528.80>509.00 (-) 2.82e5



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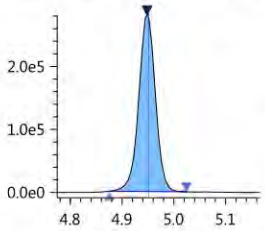

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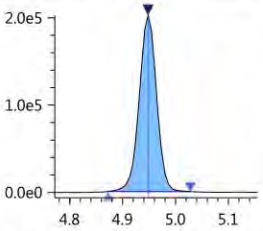

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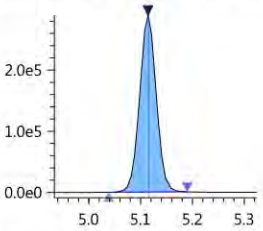

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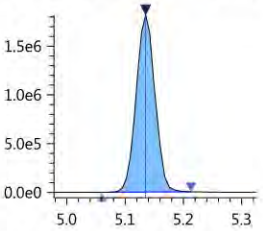

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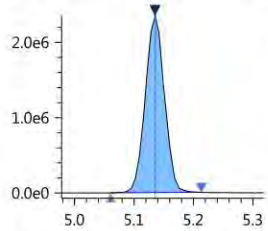

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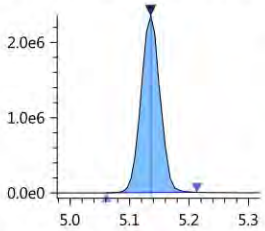

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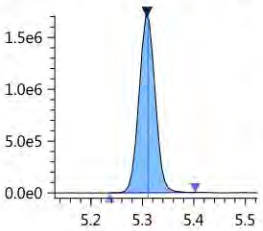

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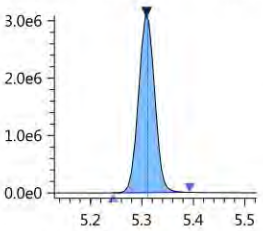

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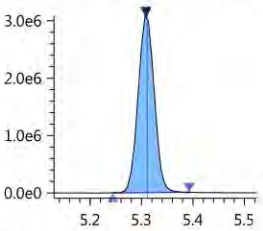

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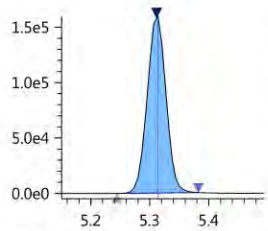

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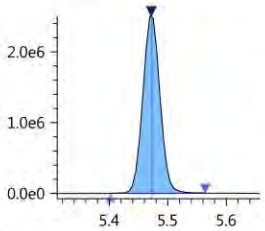

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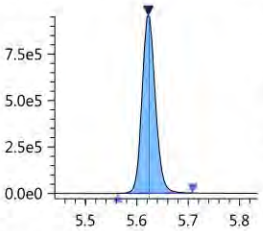

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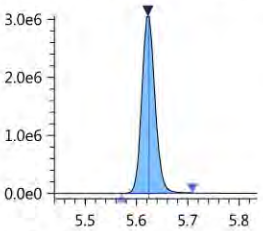

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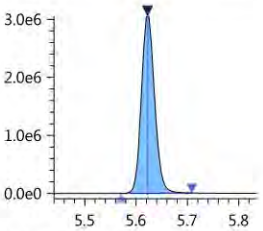

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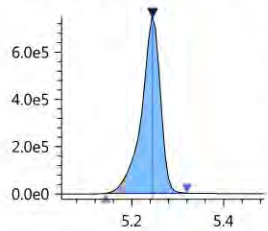

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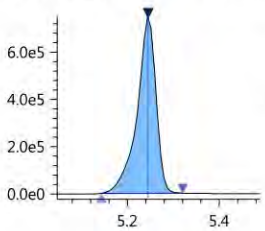

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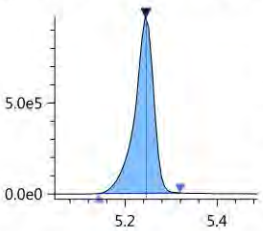

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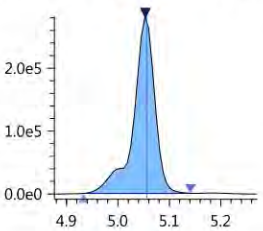

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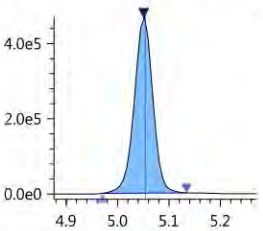

Insight Report

Printed at 6/25/2019 10:11:56 AM

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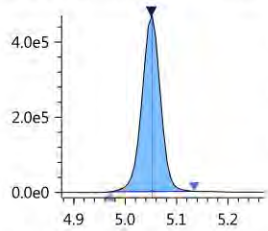

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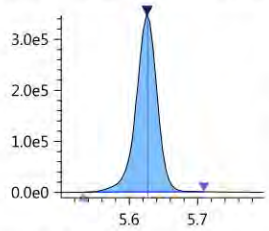

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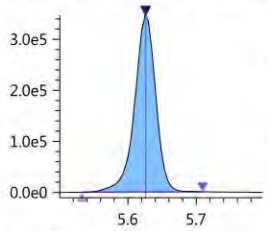

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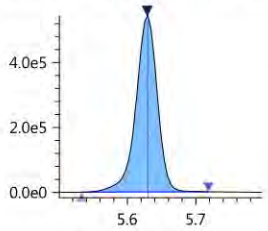

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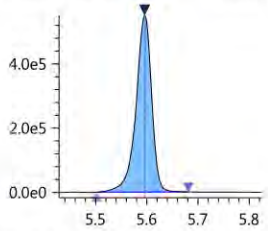
RT 5.596 Area 1160065
Q 622.70>59.10 (-) 5.52e5



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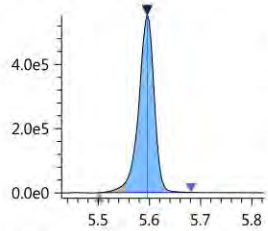

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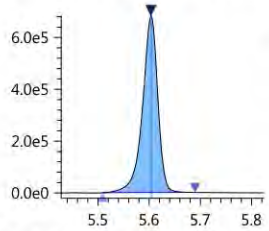
Conc 4.8591
RT 5.604 Area 1413152
Q 616.00>59.00 (-) 6.84e5



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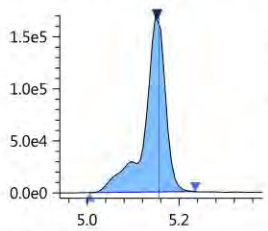

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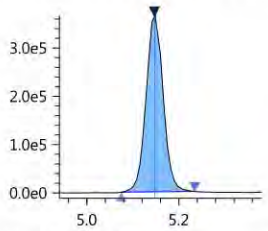

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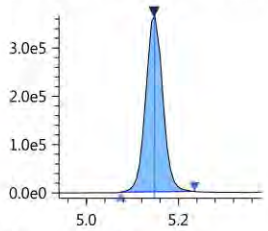

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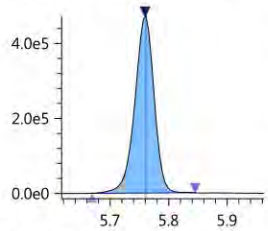

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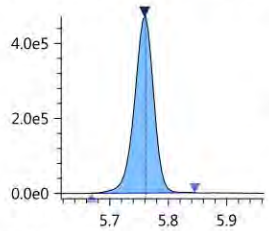

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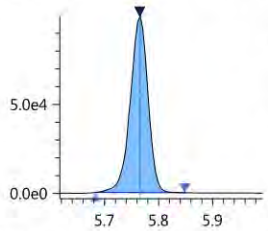

N-EtFOSE-d9_IS
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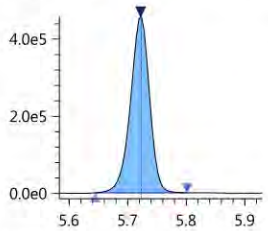

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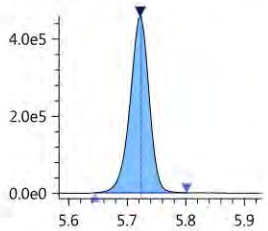

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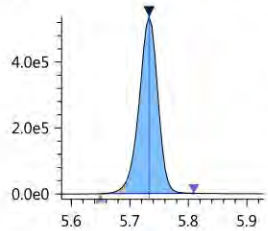

13C7-PFUnDA_IS
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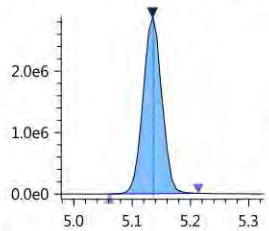

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RT 4.250 Area 674926
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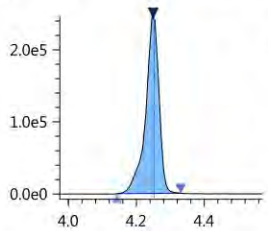

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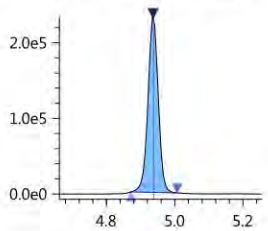

Insight Report

Printed at 6/25/2019 10:29:14 AM

190621_027

Sample ID: 10.0 PPB ICAL
Date acquired: 6/24/2019 7:18:38 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190624_curve\190621_027.lcd
Vial: 33 | Inj. Volume: 15.0000uL | Tray: 1

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
PFBA-13C_IS	Auto	3.416	3786047	3786047	2	5.0000	ng/mL	5.0000
PFBA-13C	Auto	3.416	3786047	5787750	26	5.0325	ng/mL	5.0000
PFBA	Auto	3.419	7769075	3786047	2	10.0146	ng/mL	10.0000
PFPeA-13C_IS	Auto	3.978	2226201	2226201	4	5.0000	ng/mL	5.0000
PFPeA-13C	Auto	3.978	2226201	5787750	26	4.9882	ng/mL	5.0000
PFPeA	Auto	3.978	11166378	2226201	4	10.1106	ng/mL	10.0000
PFBS_1	Auto	4.028	2424526	1282931	16	8.6263	ng/mL	8.8737
PFBS-13C	Auto	4.030	1282931	5787750	26	4.9886	ng/mL	5.0000
PFBS-13C_IS	Auto	4.030	1282931	1282931	16	5.0000	ng/mL	5.0000
PFHxA-13C_IS	Auto	4.234	5602464	5602464	6	5.0000	ng/mL	5.0000
PFHxA-13C	Auto	4.234	5602464	5787750	26	4.7912	ng/mL	5.0000
PFHxA	Auto	4.234	12628930	5602464	6	10.0449	ng/mL	10.0000
HPFO_DA	Auto	4.305	2280826	1230412	3	9.5152	ng/mL	10.0000
HFPO_DA-13C_IS	Auto	4.305	1230412	1230412	3	5.0000	ng/mL	5.0000
HFPO_DA-13C	Auto	4.305	1230412	5787750	26	5.1319	ng/mL	5.0000
4_2-FTS-13C_IS	Auto	4.205	1107052	1107052	5	5.0000	ng/mL	5.0000
4_2-FTS-13C	Auto	4.205	1107052	5787750	26	4.9583	ng/mL	5.0000
4_2-FTS_1	Auto	4.206	1961102	1107052	5	8.6545	ng/mL	9.3722
PFHpA	Auto	4.417	8838288	4439326	8	10.0883	ng/mL	10.0000
PFHpA-13C_IS	Auto	4.417	4439326	4439326	8	5.0000	ng/mL	5.0000
PFHpA-13C	Auto	4.417	4439326	5787750	26	4.3660	ng/mL	5.0000
PFHxS-18O_IS	Auto	4.418	510162	510162	7	5.0000	ng/mL	5.0000
PFHxS-18O	Auto	4.418	510162	5787750	26	4.3323	ng/mL	5.0000
PFHxS_1	Auto	4.409	1255380	510162	7	8.9852	ng/mL	9.1308
6_2-FTS-13C	Auto	4.576	864934	5787750	26	4.7927	ng/mL	5.0000
6_2-FTS-13C_IS	Auto	4.576	864934	864934	10	5.0000	ng/mL	5.0000
6_2-FTS_1	Auto	4.575	1591062	864934	10	8.3135	ng/mL	9.5117
PFHpS_1	Auto	4.583	1823278	510162	7	10.1999	ng/mL	9.5344
PFOA-13C_IS	Auto	4.591	7476891	7476891	9	5.0000	ng/mL	5.0000
PFOA-13C	Auto	4.591	7476891	5787750	26	4.8830	ng/mL	5.0000
PFOA	Auto	4.591	12624831	7476891	9	10.0741	ng/mL	10.0000
PFOS_1	Auto	4.759	1076968	817207	13	8.4687	ng/mL	9.2923
PFOS-13C_IS	Auto	4.759	817207	817207	13	5.0000	ng/mL	5.0000
PFOS-13C	Auto	4.759	817207	5787750	26	5.0686	ng/mL	5.0000
PFNA-13C_IS	Auto	4.771	4999564	4999564	11	5.0000	ng/mL	5.0000
PFNA-13C	Auto	4.771	4999564	5787750	26	4.8407	ng/mL	5.0000
PFNA	Auto	4.771	8463380	4999564	11	10.1722	ng/mL	10.0000
PFDA-13C_IS	Auto	4.956	4549587	4549587	12	5.0000	ng/mL	5.0000
PFDA-13C	Auto	4.956	4549587	5787750	26	4.6414	ng/mL	5.0000
PFDA	Auto	4.955	8787741	4549587	12	9.4405	ng/mL	10.0000
8_2-FTS-13C_IS	Auto	4.950	504019	504019	15	5.0000	ng/mL	5.0000
8_2-FTS-13C	Auto	4.950	504019	5787750	26	4.3105	ng/mL	5.0000
8_2-FTS_1	Auto	4.950	823118	504019	15	9.5221	ng/mL	9.6004
PFDS_1	Auto	5.115	1161099	817207	13	8.2507	ng/mL	9.6467
PFUnA	Auto	5.137	7829646	4816285	14	9.9853	ng/mL	10.0000
PFUnA-13C_IS	Auto	5.137	4816285	4816285	14	5.0000	ng/mL	5.0000
PFUnA-13C	Auto	5.137	4816285	5787750	26	5.0854	ng/mL	5.0000
PFDoA	Auto	5.310	7335334	6539410	17	10.1012	ng/mL	10.0000
PFDoA-13C	Auto	5.310	6539410	5787750	26	4.9053	ng/mL	5.0000
PFDoA-13C_IS	Auto	5.310	6539410	6539410	17	5.0000	ng/mL	5.0000
10_2-FtS_1	Auto	5.313	618825	504019	15	9.9654	ng/mL	9.6619
PFTrDA	Auto	5.473	9940828	5077843	22	10.4934	ng/mL	10.0000
PFTeDA	Auto	5.623	3390081	5077843	22	10.2851	ng/mL	10.0000
PFTeDA-13C	Auto	5.623	5077843	5787750	26	4.5828	ng/mL	5.0000
PFTeDA-13C_IS	Auto	5.623	5077843	5077843	22	5.0000	ng/mL	5.0000
FOSA-13C_IS	Auto	5.247	2021331	2021331	18	5.0000	ng/mL	5.0000
FOSA-13C	Auto	5.247	2021331	5787750	26	4.9639	ng/mL	5.0000
FOSA	Auto	5.247	5345147	2021331	18	9.9734	ng/mL	10.0000
N-MeFOSAA	Auto	5.055	1667987	1135637	19	10.2710	ng/mL	10.0000
N-MeFOSAA-d3	Auto	5.052	1135637	5787750	26	5.0447	ng/mL	5.0000
N-MeFOSAA-d3_IS	Auto	5.052	1135637	1135637	19	5.0000	ng/mL	5.0000
N-MeFOSA-d3_IS	Auto	5.628	710518	710518	1	5.0000	ng/mL	5.0000
N-MeFOSA-d3	Auto	5.628	710518	5787750	26	5.0124	ng/mL	5.0000
N-MeFOSA	Auto	5.631	2449839	710518	1	10.1083	ng/mL	10.0000
N-MeFOSE-d7	Auto	5.598	1164788	5787750	26	5.2505	ng/mL	5.0000
N-MeFOSE-d7_IS	Auto	5.598	1164788	1164788	20	5.0000	ng/mL	5.0000
N-MeFOSE	Auto	5.605	2844766	1164788	20	9.7421	ng/mL	10.0000
N-EtFOSAA	Auto	5.154	1046638	835427	21	10.3405	ng/mL	10.0000

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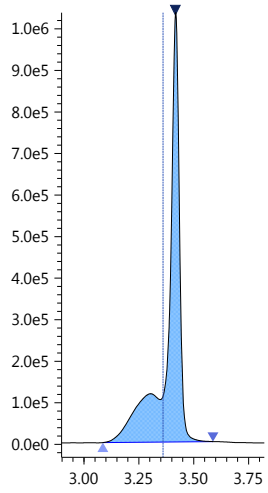
(Table continued from previous page)

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
N-EtFOSAA-d5_IS	Auto	5.149	835427	835427	21	5.0000	ng/mL	5.0000
N-EtFOSAA-d5	Auto	5.149	835427	5787750	26	4.5569	ng/mL	5.0000
N-EtFOSA-d9_IS	Auto	5.761	1082990	1082990	23	5.0000	ng/mL	5.0000
N-EtFOSA-d9	Auto	5.761	1082990	5787750	26	5.2218	ng/mL	5.0000
N-EtFOSA	Auto	5.767	470580	1082990	23	9.8221	ng/mL	10.0000
N-EtFOSE-d9_IS	Auto	5.724	998065	998065	24	5.0000	ng/mL	5.0000
N-EtFOSE-d9	Auto	5.724	998065	5787750	26	5.1220	ng/mL	5.0000
N-EtFOSE	Auto	5.734	2395066	998065	24	9.8992	ng/mL	10.0000
13C7-PFUnDA_IS	Auto	5.136	5787750	5787750	26	5.0000	ng/mL	5.0000
PFPeS	Auto	4.250	1373169	1282931	16	9.7779	ng/mL	9.4092
PFNS	Auto	4.938	924544	817207	13	8.7841	ng/mL	9.6158

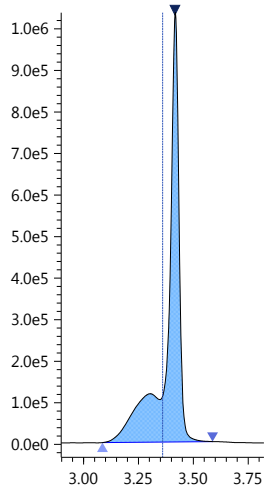
PFBA-13C_IS

Conc 5.0000
RT 3.416 Area 3786047
ISTD 216.90>172.15 (-) 1.04e6



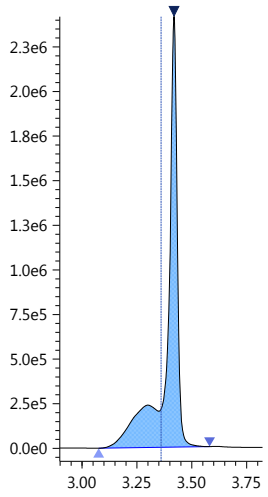
PFBA-13C

Conc 5.0325
RT 3.416 Area 3786047
Q 216.90>172.15 (-) 1.04e6



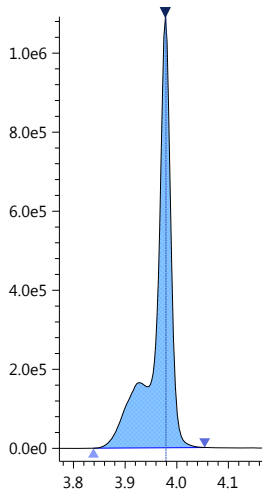
PFBA

Conc 10.0146
RT 3.419 Area 7769075
Q 213.00>169.10 (-) 2.42e6



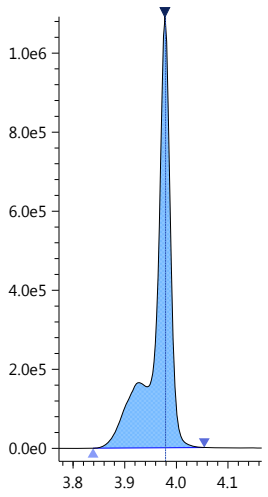
PFPeA-13C_IS

Conc 5.0000
RT 3.978 Area 2226201
ISTD 267.90>223.00 (-) 1.09e6



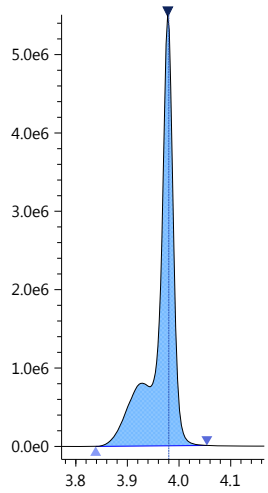
PFPeA-13C

Conc 4.9882
RT 3.978 Area 2226201
Q 267.90>223.00 (-) 1.09e6



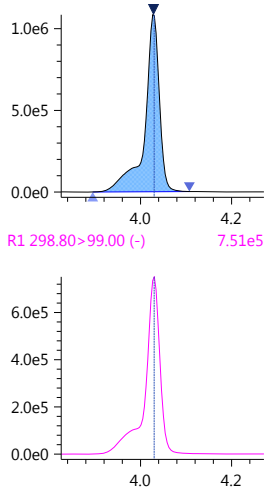
PFPeA

Conc 10.1106
RT 3.978 Area 11166378
Q 263.05>219.10 (-) 5.51e6



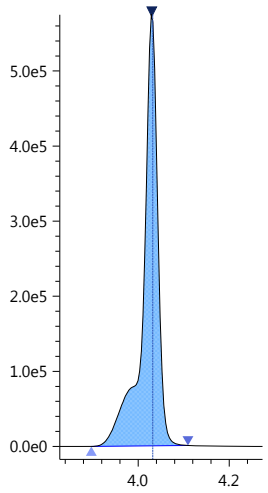
PFBS_1

Conc 8.6263
RT 4.028 Area 2424526
R#1 67.00 (0.00)
Q 299.00>80.00 (-) 1.09e6



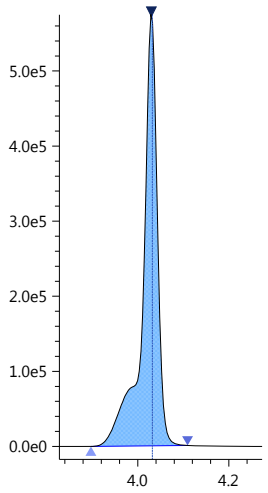
PFBS-13C

Conc 4.9886
RT 4.030 Area 1282931
Q 301.80>80.00 (-) 5.75e5



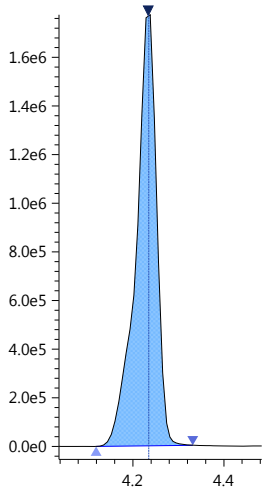
PFBS-13C_IS

Conc 5.0000
RT 4.030 Area 1282931
ISTD 301.80>80.00 (-) 5.75e5



PFHxA-13C_IS

Conc 5.0000
RT 4.234 Area 5602464
ISTD 314.90>270.10 (-) 1.78e6



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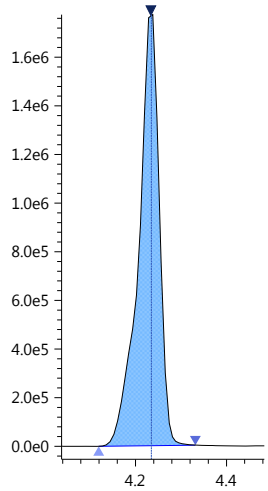
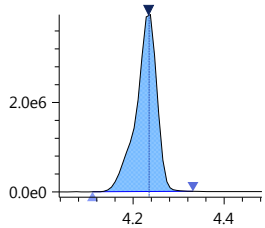
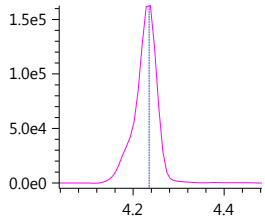
PFHxA-13C
Conc 4.7912
RT 4.234 Area 5602464
Q 314.90>270.10 (-) 1.78e6



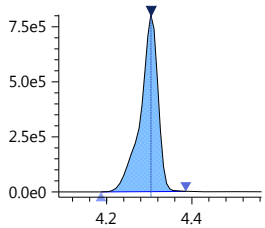
PFHxA
Conc 10.0449
RT 4.234 Area 12628930
R#1 4.13 (0.00)
Q 313.00>269.00 (-) 3.97e6



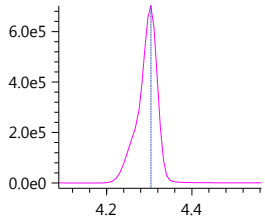
R1 313.00>119.10 (-) 1.63e5



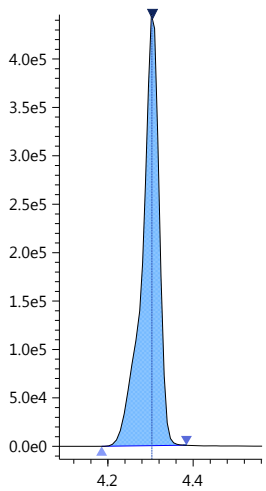
HPFO_DA
Conc 9.5152
RT 4.305 Area 2280826
R#1 86.92 (0.00)
Q 329.00>169.00 (-) 8.05e5



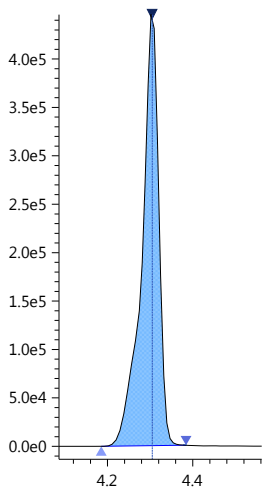
R1 329.00>285.10 (-) 7.02e5



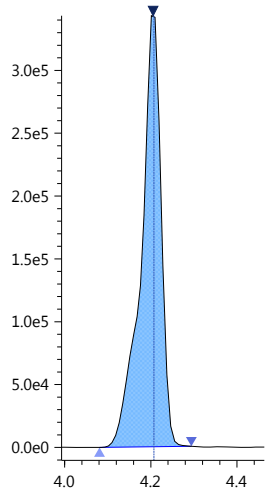
HFPO_DA-13C_IS
Conc 5.0000
RT 4.305 Area 1230412
ISTD 332.00>286.80 (-) 4.46e5



HFPO_DA-13C
Conc 5.1319
RT 4.305 Area 1230412
Q 332.00>286.80 (-) 4.46e5



4_2-FTS-13C_IS
Conc 5.0000
RT 4.205 Area 1107052
ISTD 328.80>309.05 (-) 3.43e5



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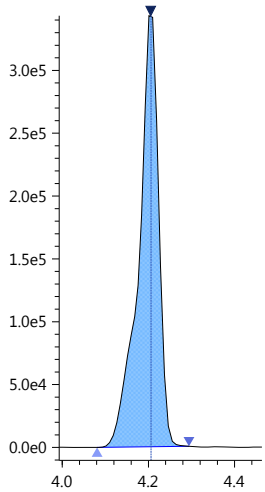
Conc 4.9583
RT 4.205 Area 1107052
Q 328.80>309.05 (-) 3.43e5



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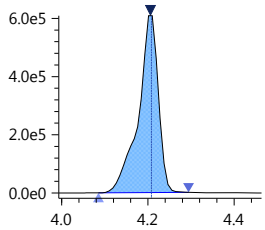
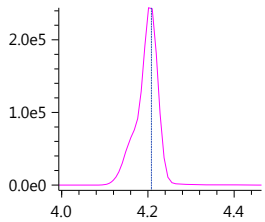
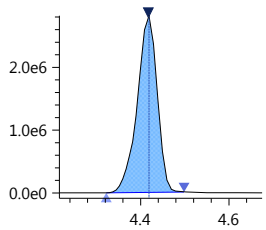
Conc 8.6545
RT 4.206 Area 1961102
R#1 40.03 (0.00)
Q 327.00>307.05 (-) 6.09e5



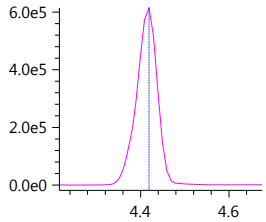
R1 327.00>81.10 (-) 2.44e5



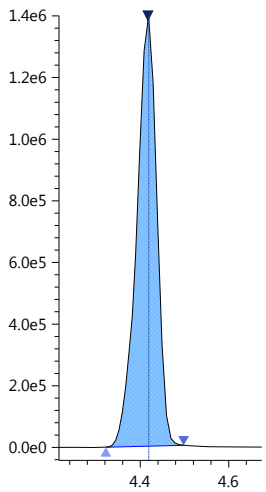
PFHpA
Conc 10.0883
RT 4.417 Area 8838288
R#1 21.82 (0.00)
Q 362.90>319.00 (-) 2.82e6



R1 362.90>169.00 (-) 6.15e5



PFHpA-13C_IS
Conc 5.0000
RT 4.417 Area 4439326
ISTD 366.90>322.10 (-) 1.40e6



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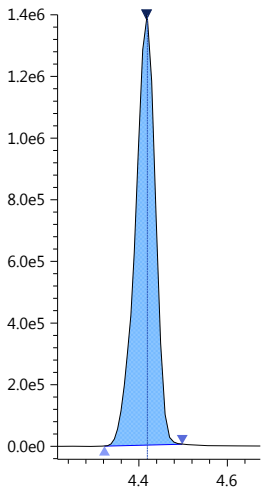
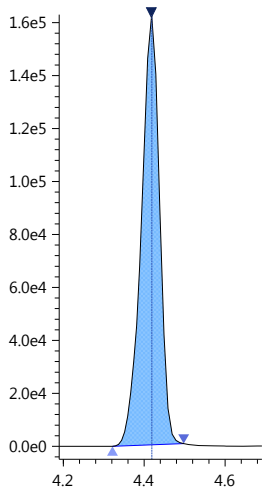
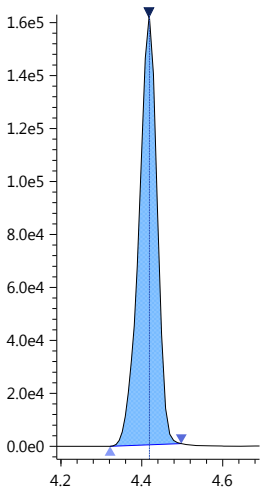
PFHpA-13C
Conc 4.3660
RT 4.417 Area 4439326
Q 366.90>322.10 (-) 1.40e6



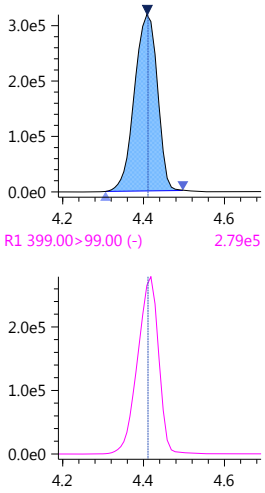
PFHxS-18O_IS
Conc 5.0000
RT 4.418 Area 510162
ISTD 402.70>84.05 (-) 1.63e5



PFHxS-18O
Conc 4.3323
RT 4.418 Area 510162
Q 402.70>84.05 (-) 1.63e5

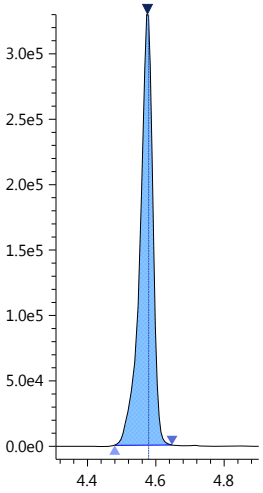


PFHxS_1
Conc 8.9852
RT 4.409 Area 1255380
R#1 82.92 (0.00)
Q 399.00>80.00 (-) 3.20e5

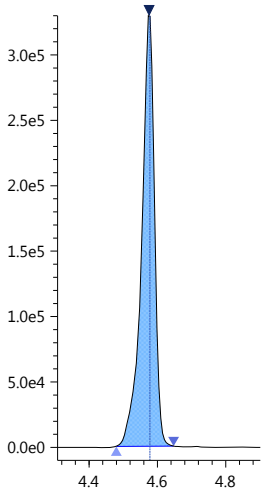


R1 399.00>99.00 (-) 2.79e5

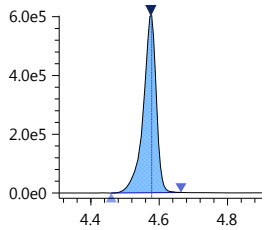
6_2-FTS-13C
Conc 4.7927
RT 4.576 Area 864934
Q 428.90>409.00 (-) 3.30e5



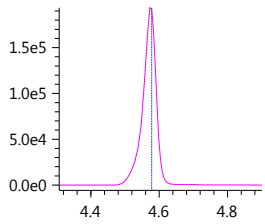
6_2-FTS-13C_IS
Conc 5.0000
RT 4.576 Area 864934
ISTD 428.90>409.00 (-) 3.30e5



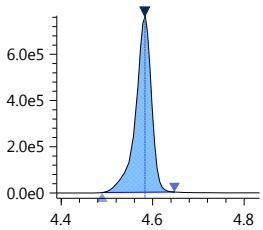
6_2-FTS_1
Conc 8.3135
RT 4.575 Area 1591062
R#1 32.36 (0.00)
Q 427.00>407.00 (-) 6.04e5



R1 427.00>80.90 (-) 1.94e5



PFHpS_1
Conc 10.1999
RT 4.583 Area 1823278
R#1 47.04 (0.00)
Q 449.00>80.15 (-) 7.67e5



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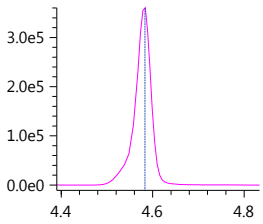
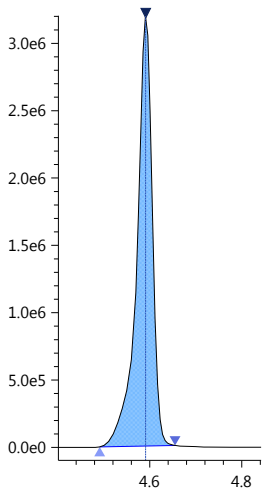
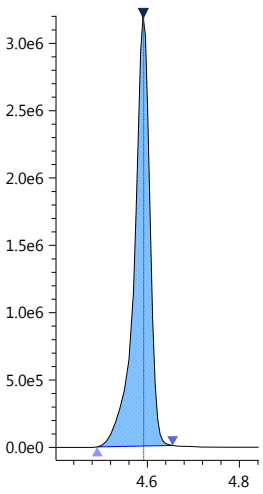


PFOA-13C_IS
Conc 5.0000
RT 4.591 Area 7476891
ISTD 416.80>372.05 (-) 3.21e6



PFOA-13C
Conc 4.8830
RT 4.591 Area 7476891
Q 416.80>372.05 (-) 3.21e6



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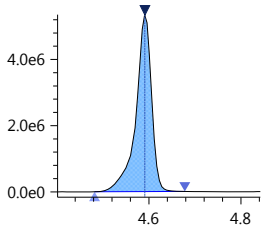
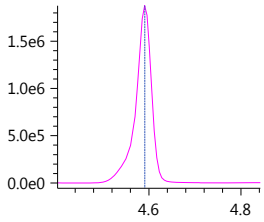
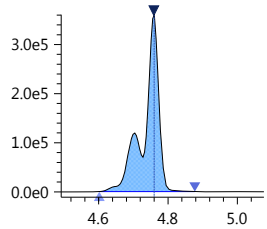
PFOA
Conc 10.0741
RT 4.591 Area 12624831
R#1 34.99 (0.00)
Q 413.00>369.00 (-) 5.35e6



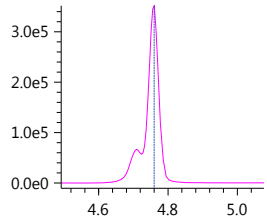
R1 413.00>169.10 (-) 1.88e6



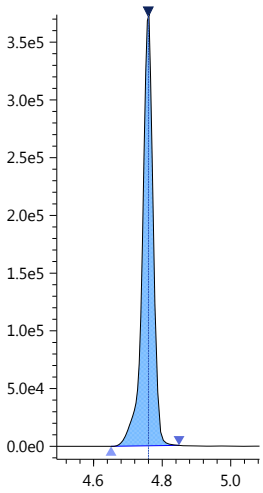
PFOS_1
Conc 8.4687
RT 4.759 Area 1076968
R#1 97.60 (0.00)
Q 499.00>80.00 (-) 3.61e5



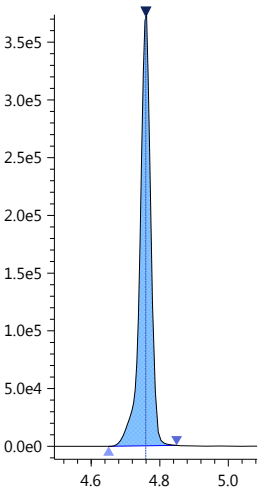
R1 499.00>99.00 (-) 3.52e5



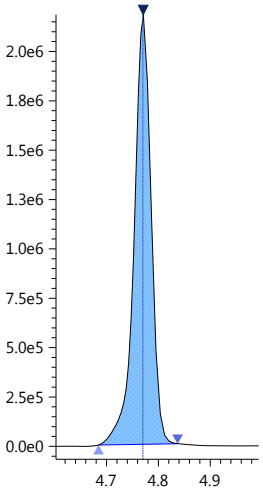
PFOS-13C_IS
Conc 5.0000
RT 4.759 Area 817207
ISTD 502.80>80.05 (-) 3.74e5



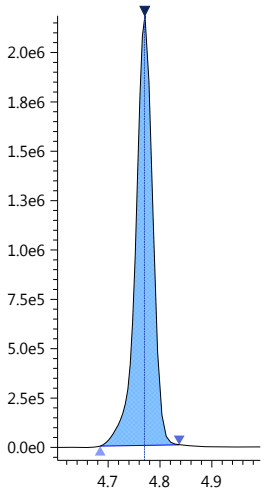
PFOS-13C
Conc 5.0686
RT 4.759 Area 817207
Q 502.80>80.05 (-) 3.74e5



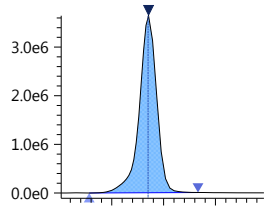
PFNA-13C_IS
Conc 5.0000
RT 4.771 Area 4999564
ISTD 467.80>423.00 (-) 2.19e6



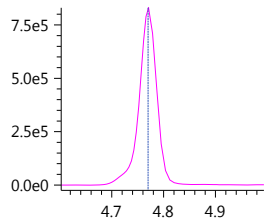
PFNA-13C
Conc 4.8407
RT 4.771 Area 4999564
Q 467.80>423.00 (-) 2.19e6



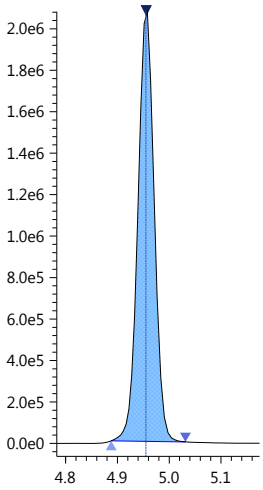
PFNA
Conc 10.1722
RT 4.771 Area 8463380
R#1 22.71 (0.00)
Q 463.00>418.90 (-) 3.65e6



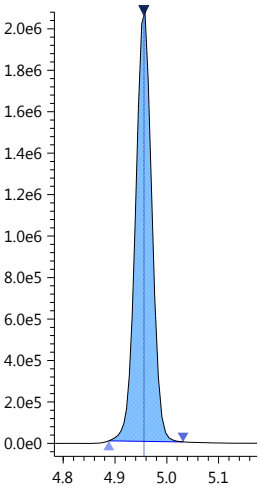
R1 463.00>219.00 (-) 8.30e5



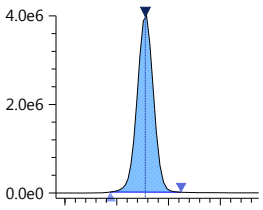
PFDA-13C_IS
Conc 5.0000
RT 4.956 Area 4549587
ISTD 514.80>469.95 (-) 2.08e6



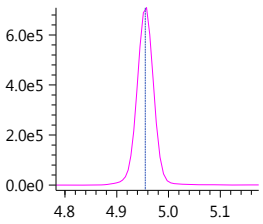
PFDA-13C
Conc 4.6414
RT 4.956 Area 4549587
Q 514.80>469.95 (-) 2.08e6



PFDA
Conc 9.4405
RT 4.955 Area 8787741
R#1 17.66 (0.00)
Q 513.00>468.80 (-) 4.01e6



R1 513.00>219.10 (-) 7.09e5



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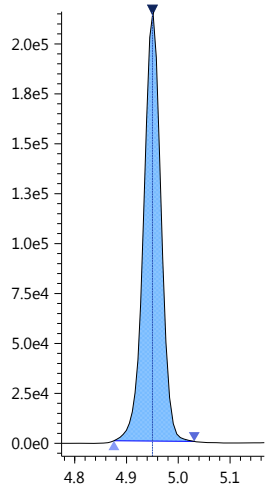
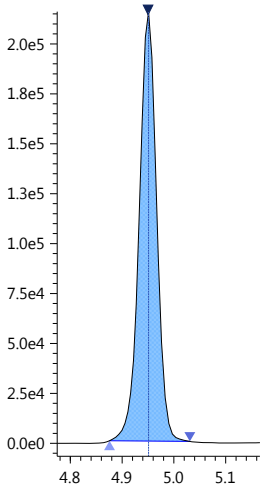
8_2-FTS-13C_IS
Conc 5.0000
RT 4.950 Area 504019

ISTD 528.80>509.00 (-) 2.16e5



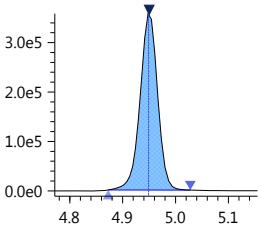
8_2-FTS-13C
Conc 4.3105
RT 4.950 Area 504019

Q 528.80>509.00 (-) 2.16e5

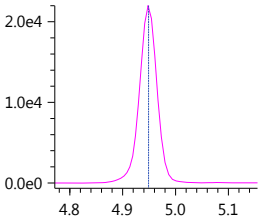


8_2-FTS_1
Conc 9.5221
RT 4.950 Area 823118
R#1 6.15 (6.32)

Q 527.10>506.90 (-) 3.59e5

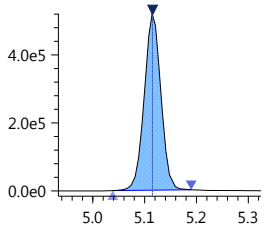


R1 527.20>487.00 (-) 2.20e4

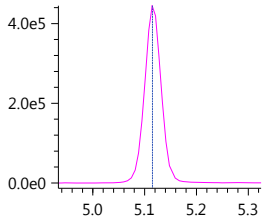


PFDS_1
Conc 8.2507
RT 5.115 Area 1161099
R#1 85.42 (0.00)

Q 599.00>79.90 (-) 5.21e5

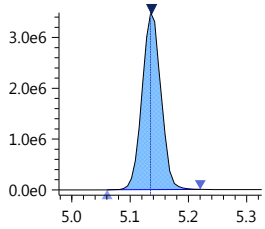


R1 599.00>99.10 (-) 4.45e5

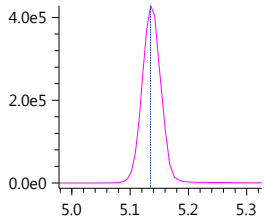


PFUnA
Conc 9.9853
RT 5.137 Area 7829646
R#1 12.28 (0.00)

Q 563.00>518.90 (-) 3.49e6

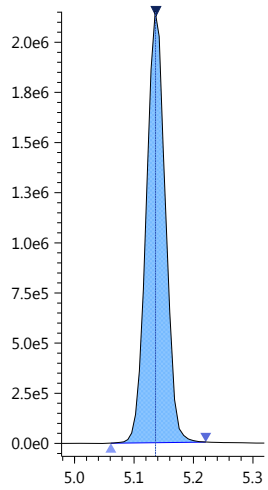


R1 563.00>219.00 (-) 4.29e5



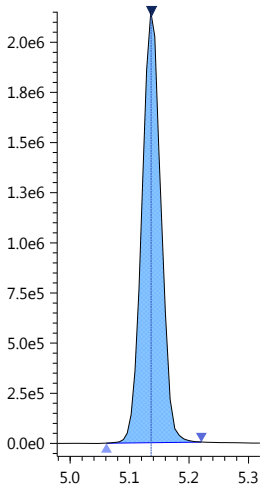
PFUnA-13C_IS
Conc 5.0000
RT 5.137 Area 4816285

ISTD 564.80>519.95 (-) 2.15e6



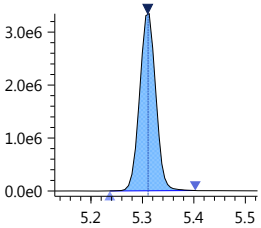
PFUnA-13C
Conc 5.0854
RT 5.137 Area 4816285

Q 564.80>519.95 (-) 2.15e6

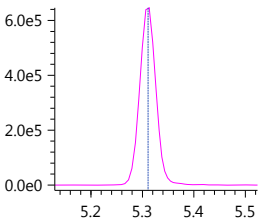


PFDoA
Conc 10.1012
RT 5.310 Area 7335334
R#1 19.30 (0.00)

Q 613.05>569.00 (-) 3.35e6

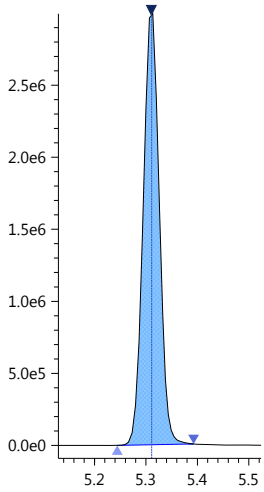


R1 613.05>169.00 (-) 6.46e5



PFDoA-13C
Conc 4.9053
RT 5.310 Area 6539410

Q 614.80>569.95 (-) 3.00e6



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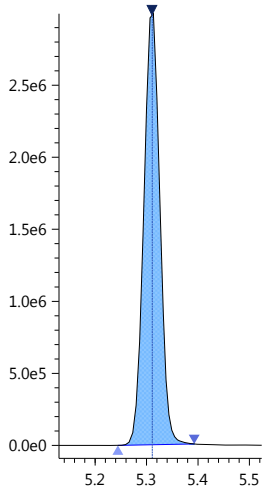
Conc 5.0000
RT 5.310 Area 6539410

ISTD 614.80>569.95 (-) 3.00e6



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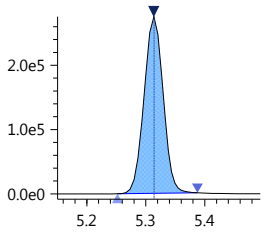
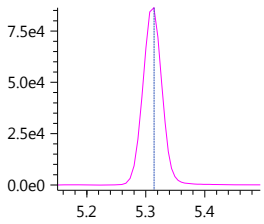
10_2-FtS_1

Conc 9.9654
RT 5.313 Area 618825
R#1 31.32 (0.00)

Q 627.00>606.95 (-) 2.76e5



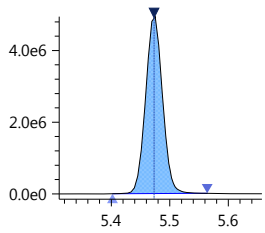
R1 627.00>81.25 (-) 8.64e4



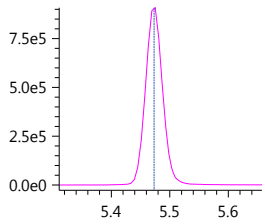
PFTrDA

Conc 10.4934
RT 5.473 Area 9940828
R#1 18.36 (0.00)

Q 663.00>618.90 (-) 4.95e6



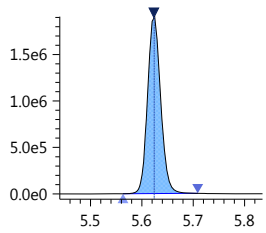
R1 662.90>169.00 (-) 9.08e5



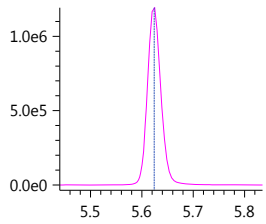
PFTeDA

Conc 10.2851
RT 5.623 Area 3390081
R#1 62.64 (0.00)

Q 713.40>669.00 (-) 1.91e6



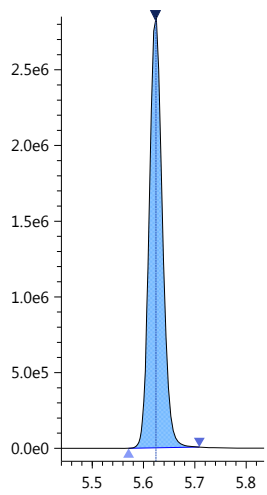
R1 713.40>169.10 (-) 1.19e6



PFTeDA-13C

Conc 4.5828
RT 5.623 Area 5077843

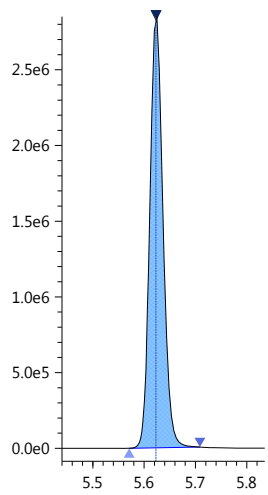
Q 714.70>669.90 (-) 2.85e6



PFTeDA-13C_IS

Conc 5.0000
RT 5.623 Area 5077843

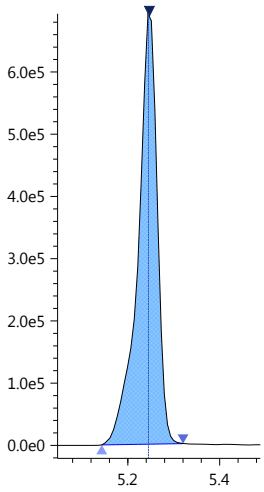
ISTD 714.70>669.90 (-) 2.85e6



FOSA-13C_IS

Conc 5.0000
RT 5.247 Area 2021331

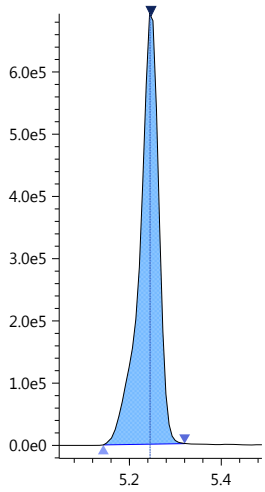
ISTD 506.00>78.05 (-) 6.94e5



FOSA-13C

Conc 4.9639
RT 5.247 Area 2021331

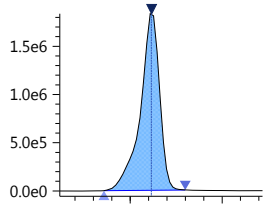
Q 506.00>78.05 (-) 6.94e5



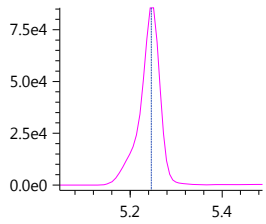
FOSA

Conc 9.9734
RT 5.247 Area 5345147
R#1 4.65 (0.00)

Q 498.20>78.00 (-) 1.84e6



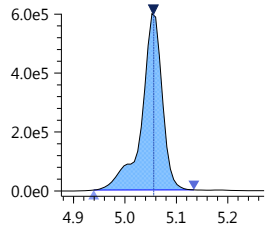
R1 498.20>64.10 (-) 8.56e4



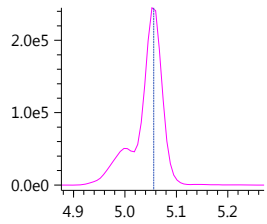
N-MeFOSAA

Conc 10.2710
RT 5.055 Area 1667987
R#1 40.68 (0.00)

Q 570.20>419.00 (-) 6.02e5



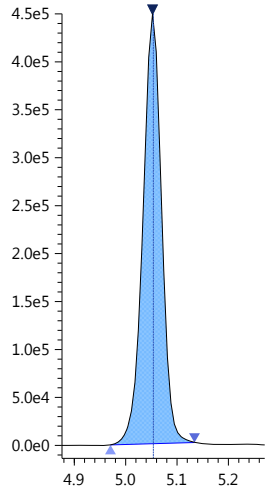
R1 570.20>512.00 (-) 2.45e5



N-MeFOSAA-d3

Conc 5.0447
RT 5.052 Area 1135637

Q 572.80>419.05 (-) 4.50e5



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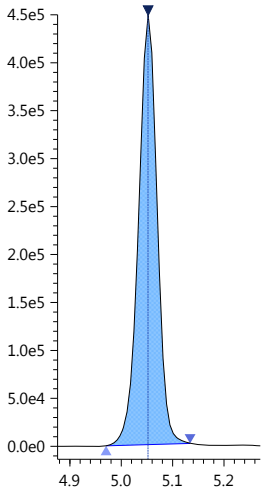
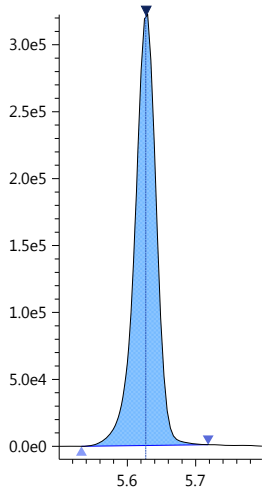
N-MeFOSAA-d3_IS
Conc 5.0000
RT 5.052 Area 1135637

ISTD 572.80>419.05 (-) 4.50e5



N-MeFOSA-d3_IS
Conc 5.0000
RT 5.628 Area 710518

ISTD 514.90>168.90 (-) 3.23e5



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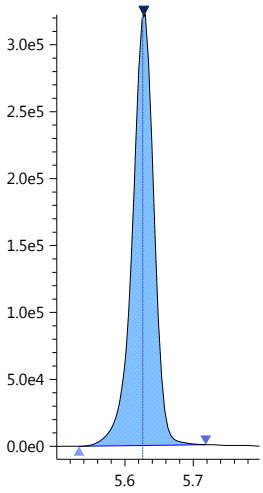
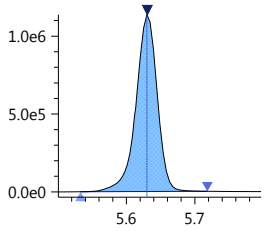
Conc 5.0124
RT 5.628 Area 710518

Q 514.90>168.90 (-) 3.23e5

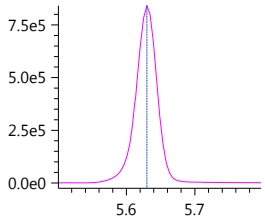


N-MeFOSA
Conc 10.1083
RT 5.631 Area 2449839
R#1 73.86 (0.00)

Q 512.00>169.10 (-) 1.14e6

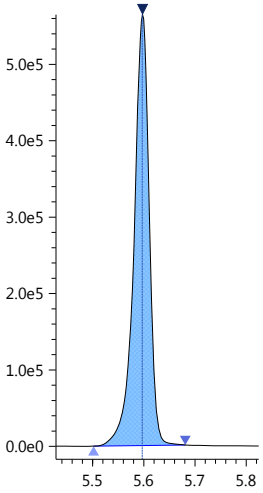


R1 512.00>219.00 (-) 8.41e5



N-MeFOSE-d7
Conc 5.2505
RT 5.598 Area 1164788

Q 622.70>59.10 (-) 5.65e5



N-MeFOSE-d7_IS
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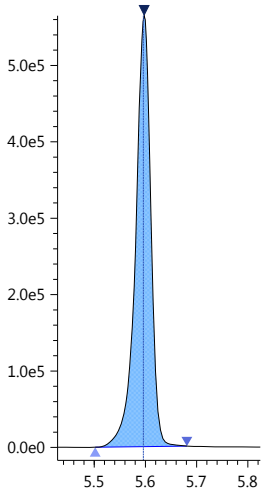
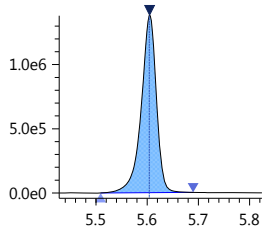
RT 5.598 Area 1164788

ISTD 622.70>59.10 (-) 5.65e5

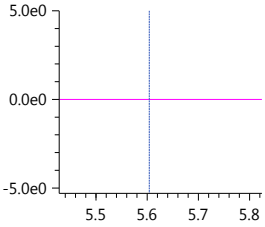


N-MeFOSE
Conc 9.7421
RT 5.605 Area 2844766
R#1 0.00 (0.00)

Q 616.00>59.00 (-) 1.38e6

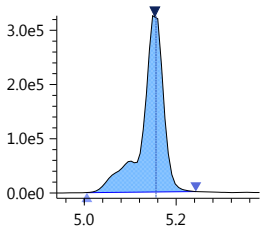


R1 556.00>121.20 (-) 0.00e0

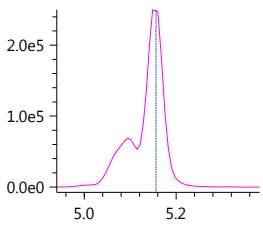


N-EtFOSAA
Conc 10.3405
RT 5.154 Area 1046638
R#1 76.34 (0.00)

Q 584.20>418.95 (-) 3.27e5

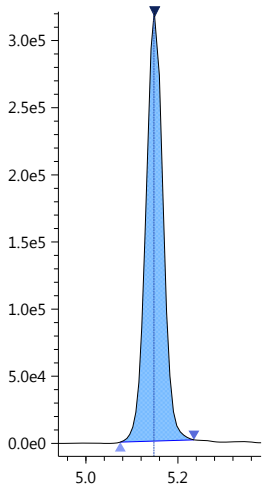


R1 584.20>526.10 (-) 2.50e5



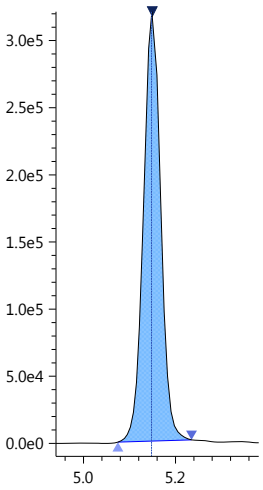
N-EtFOSAA-d5_IS
Conc 5.0000
RT 5.149 Area 835427

ISTD 588.80>419.00 (-) 3.22e5



N-EtFOSAA-d5
Conc 4.5569
RT 5.149 Area 835427

Q 588.80>419.00 (-) 3.22e5



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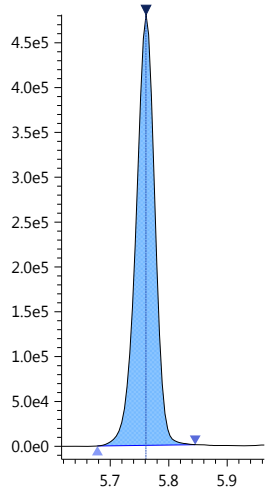
N-EtFOSA-d9_IS

Conc 5.0000
RT 5.761 Area 1082990

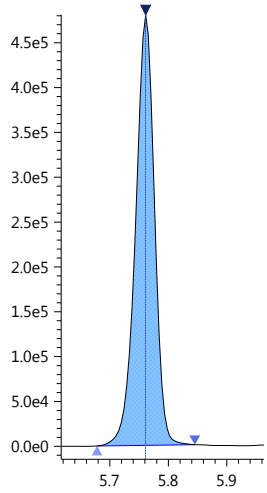
ISTD 530.90>169.15 (-) 4.81e5



N-EtFOSA-d9

Conc 5.2218
RT 5.761 Area 1082990

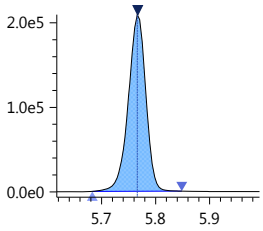
Q 530.90>169.15 (-) 4.81e5



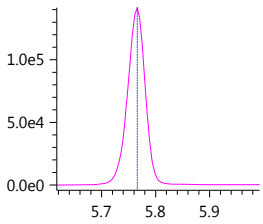
N-EtFOSA

Conc 9.8221
RT 5.767 Area 470580
R#1 67.51 (0.00)

Q 526.90>169.10 (-) 2.10e5



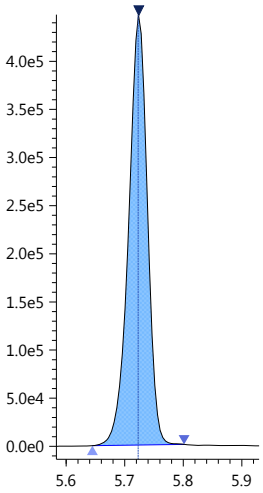
R1 526.90>219.00 (-) 1.42e5



N-EtFOSE-d9_IS

Conc 5.0000
RT 5.724 Area 998065

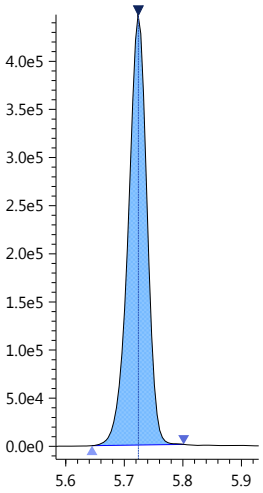
ISTD 638.70>59.10 (-) 4.48e5



N-EtFOSE-d9

Conc 5.1220
RT 5.724 Area 998065

Q 638.70>59.10 (-) 4.48e5



N-EtFOSE

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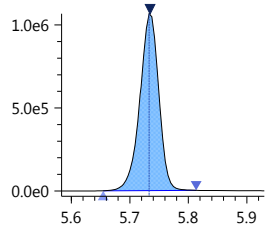
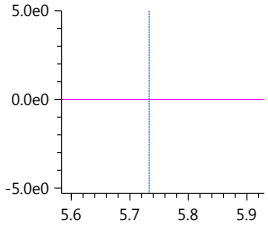
R#1 0.00 (0.00)

Q 630.00>58.90 (-) 1.07e6



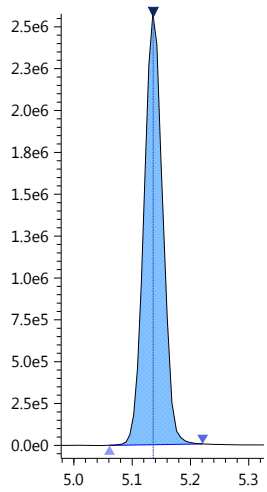
R1 570.00>136.10 (-) 0.00e0



13C7-PFUnDA_IS

Conc 5.0000
RT 5.136 Area 5787750

ISTD 570.00>525.00 (-) 2.58e6



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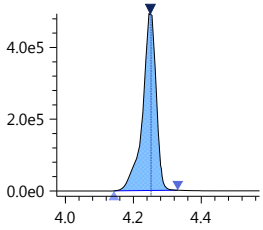
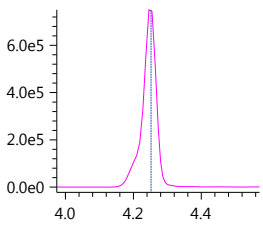
Conc 9.7779
RT 4.250 Area 1373169
R#1 151.86 (0.00)

Q 349.00>99.00 (-) 4.94e5



R1 349.00>79.95 (-) 7.51e5



PFNS

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RT 4.938 Area 924544
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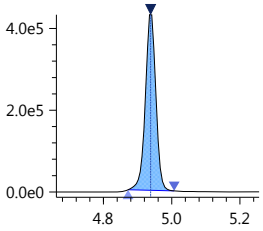
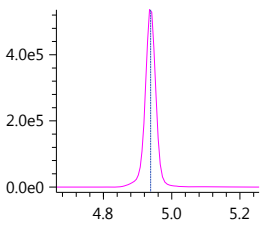
Q 549.00>99.00 (-) 4.34e5



R1 549.00>79.95 (-) 5.36e5



Insight Report

Printed at 6/25/2019 10:11:56 AM

190621_027

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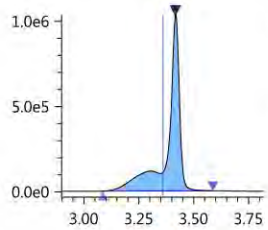
Date acquired: 6/24/2019 7:18:38 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190624_curve\190621_027.lcd
Vial: 33 | Inj. Volume: 15.0000uL | Tray: 1

PFBA-13C_IS
Conc 5.0000
RT 3.416 Area 3786047
ISTD 216.90>172.15 (-) 1.04e6



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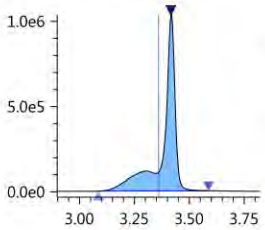

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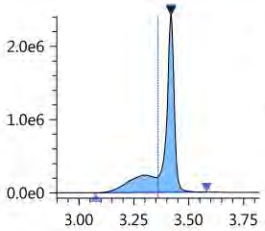
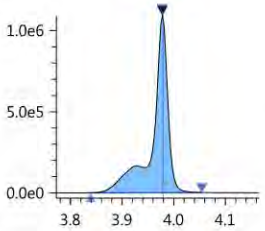
Conc 10.0146
RT 3.419 Area 7769075
Q 213.00>169.10 (-) 2.42e6



PFPeA-13C_IS
Conc 5.0000
RT 3.978 Area 2226201
ISTD 267.90>223.00 (-) 1.09e6



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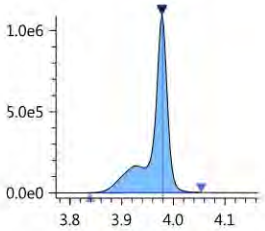
RT 3.978 Area 2226201
Q 267.90>223.00 (-) 1.09e6



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Conc 6.3799
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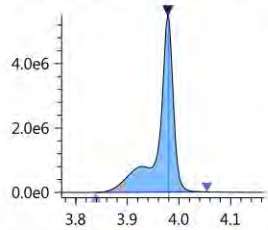
Q 263.05>219.10 (-) 5.51e6



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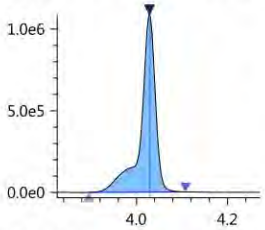
Conc 8.8683
RT 4.028 Area 2424526
Q 299.00>80.00 (-) 1.09e6



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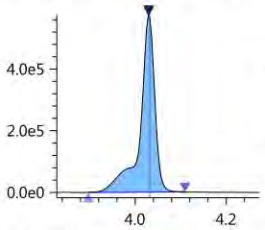
RT 4.030 Area 1282931
Q 301.80>80.00 (-) 5.75e5



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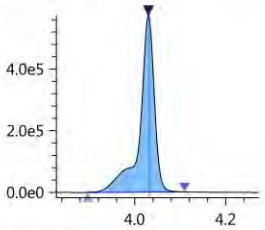

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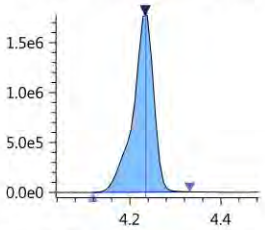

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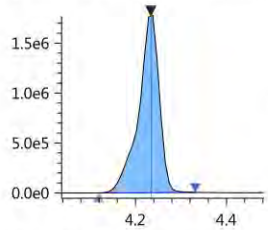

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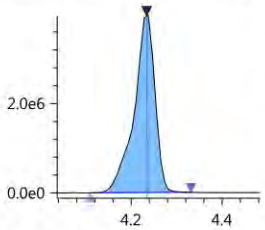
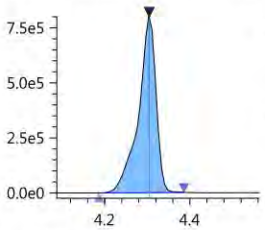


HPFO_DA
Conc 9.5695
RT 4.305 Area 2280826
Q 329.00>169.00 (-) 8.05e5



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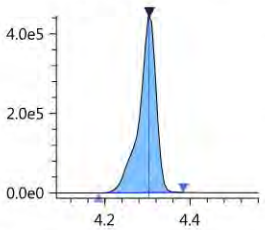
Conc 5.0000
RT 4.305 Area 1230412
ISTD 332.00>286.80 (-) 4.46e5



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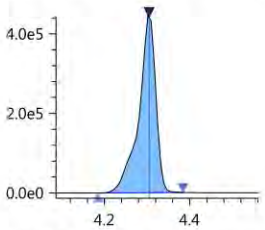
Conc 5.1319
RT 4.305 Area 1230412
Q 332.00>286.80 (-) 4.46e5



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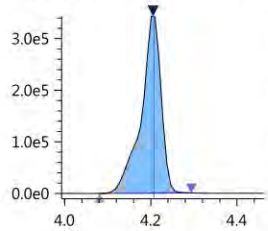
Conc 5.0000
RT 4.205 Area 1107052
ISTD 328.80>309.05 (-) 3.43e5



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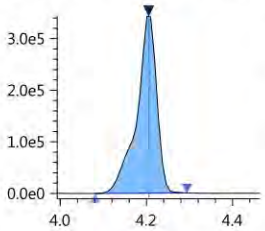
Conc 4.9583
RT 4.205 Area 1107052
Q 328.80>309.05 (-) 3.43e5



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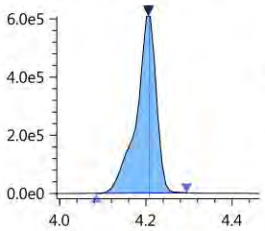
Q 327.00>307.05 (-) 6.09e5



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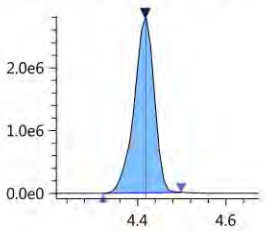
Conc 9.1962
RT 4.417 Area 8838288
Q 362.90>319.00 (-) 2.82e6



PFHpA-13C_IS
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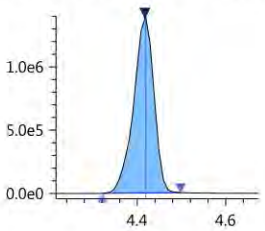
RT 4.417 Area 4439326
ISTD 366.90>322.10 (-) 1.40e6



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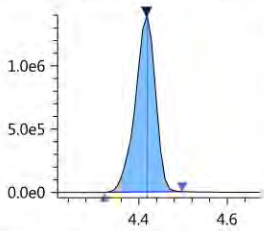

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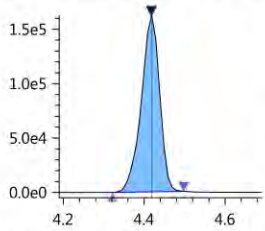
RT 4.418 Area 510162
ISTD 402.70>84.05 (-) 1.63e5



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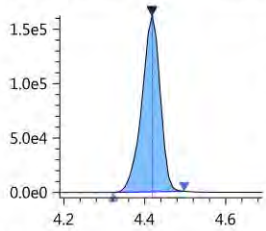

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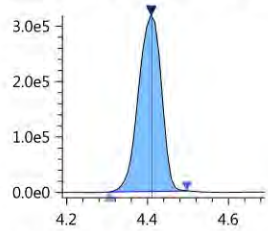

6_2-FTS-13C
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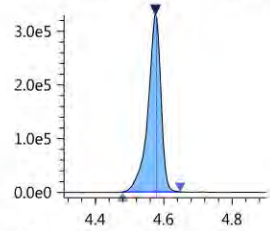
Q 428.90>409.00 (-) 3.30e5



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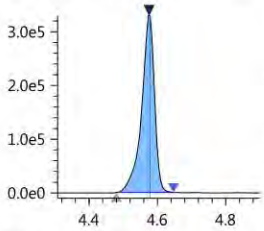
Conc 5.0000
RT 4.576 Area 864934
ISTD 428.90>409.00 (-) 3.30e5



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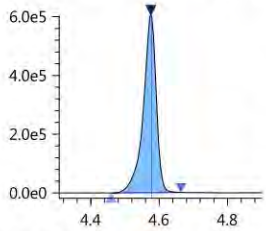
Q 427.00>407.00 (-) 6.04e5



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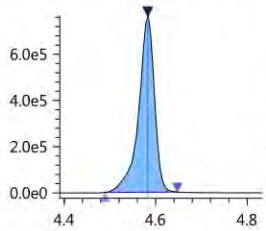

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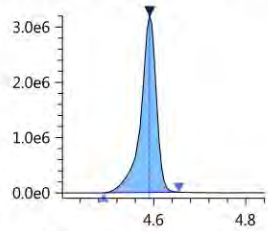
Conc 5.0000
RT 4.591 Area 7476891
ISTD 416.80>372.05 (-) 3.21e6



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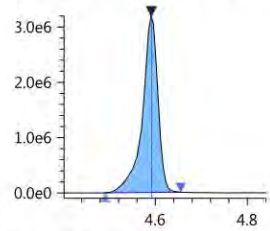

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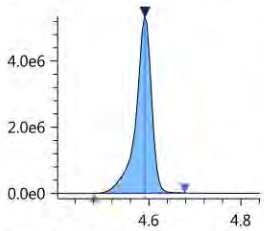

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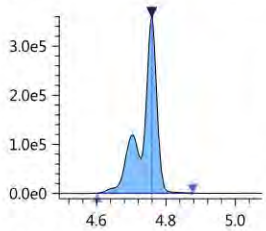

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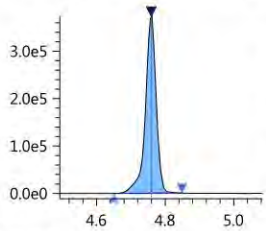
ISTD 502.80>80.05 (-) 3.74e5



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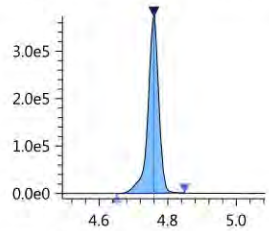
Q 502.80>80.05 (-) 3.74e5



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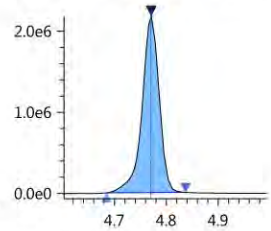
ISTD 467.80>423.00 (-) 2.19e6



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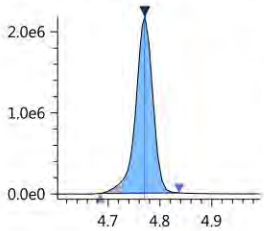
RT 4.771 Area 4999564
Q 467.80>423.00 (-) 2.19e6



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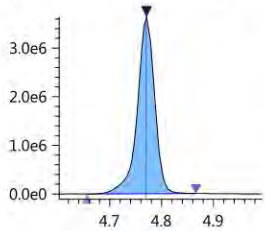
Conc 9.2211
RT 4.771 Area 8463380
Q 463.00>418.90 (-) 3.65e6



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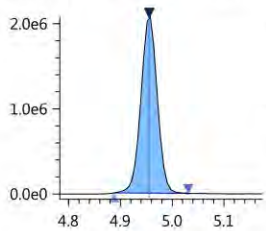

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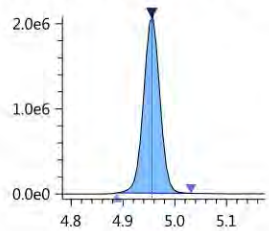

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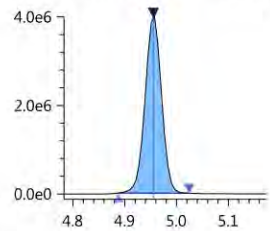

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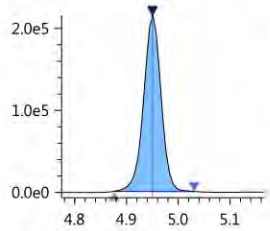
8_2-FTS-13C_IS
Conc 5.0000
RT 4.950 Area 504019
ISTD 528.80>509.00 (-) 2.16e5



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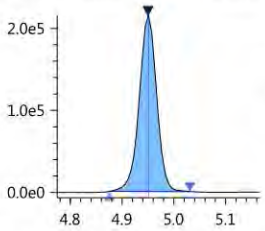
Q 528.80>509.00 (-) 2.16e5



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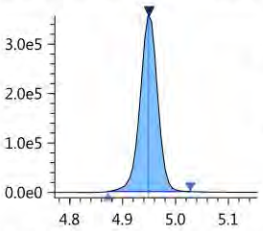
Q 527.10>506.90 (-) 3.59e5



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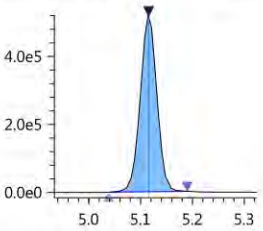

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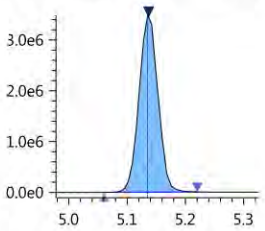

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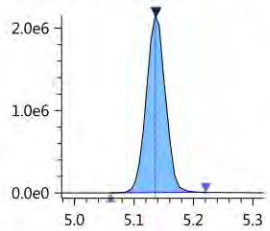

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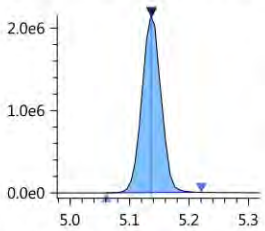

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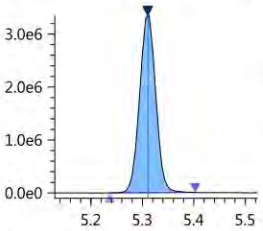
Q 613.05>569.00 (-) 3.35e6



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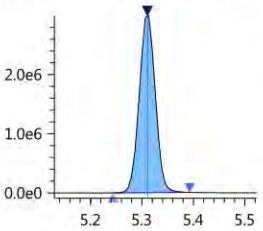

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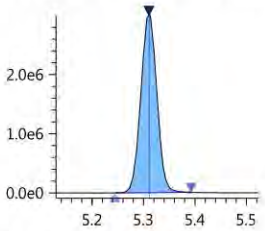
ISTD 614.80>569.95 (-) 3.00e6



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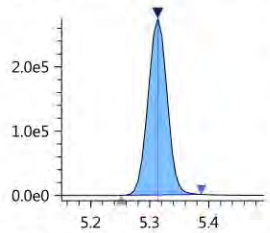

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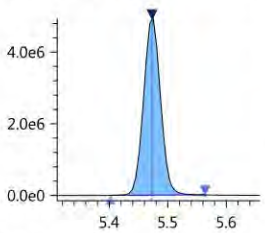

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Conc 5.9910
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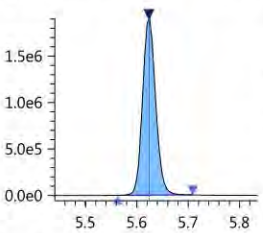
Q 713.40>669.00 (-) 1.91e6



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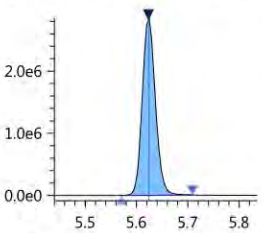

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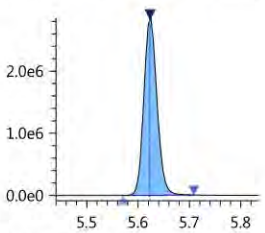

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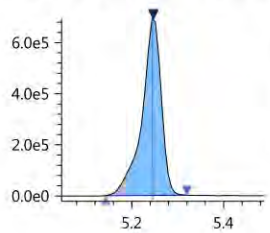

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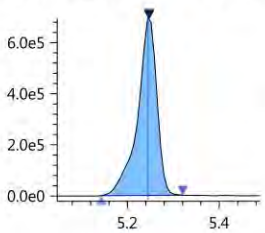
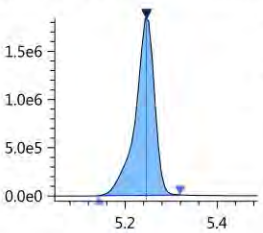
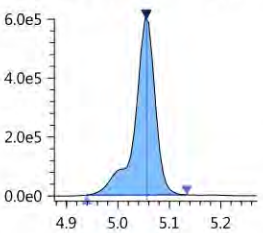
RT 5.247 Area 2021331
Q 506.00>78.05 (-) 6.94e5



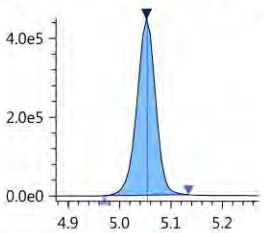
FOSA
Conc 9.9734
RT 5.247 Area 5345147
Q 498.20>78.00 (-) 1.84e6



N-MeFOSAA
Conc 10.8568
RT 5.055 Area 1667987
Q 570.20>419.00 (-) 6.02e5



N-MeFOSAA-d3
Conc 5.0447
RT 5.052 Area 1135637
Q 572.80>419.05 (-) 4.50e5



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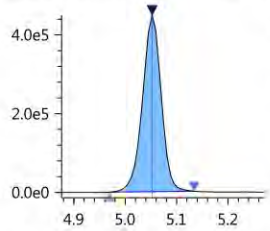
N-MeFOSAA-d3_IS
Conc 5.0000
RT 5.052 Area 1135637
ISTD 572.80>419.05 (-) 4.50e5



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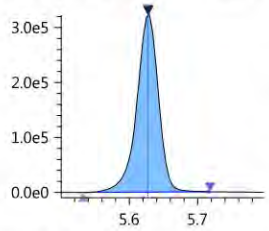
Conc 5.0000
RT 5.628 Area 710518
ISTD 514.90>168.90 (-) 3.23e5



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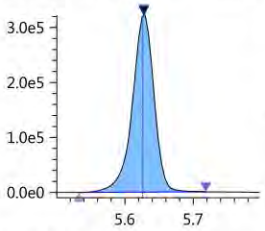
Conc 5.0124
RT 5.628 Area 710518
Q 514.90>168.90 (-) 3.23e5



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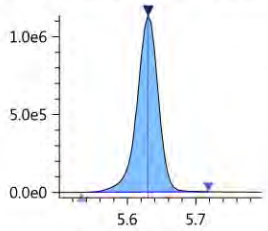
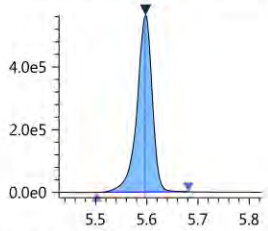
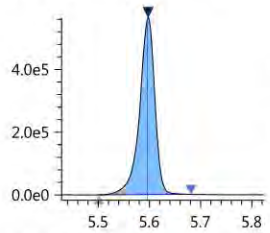
Conc 10.1083
RT 5.631 Area 2449839
Q 512.00>169.10 (-) 1.14e6



N-MeFOSE-d7
Conc 5.2505
RT 5.598 Area 1164788
Q 622.70>59.10 (-) 5.65e5



N-MeFOSE-d7_IS
Conc 5.0000
RT 5.598 Area 1164788
ISTD 622.70>59.10 (-) 5.65e5



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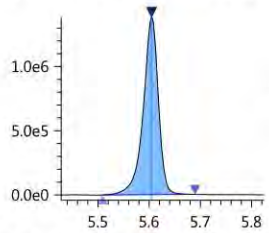
Conc 9.7421
RT 5.605 Area 2844766
Q 616.00>59.00 (-) 1.38e6



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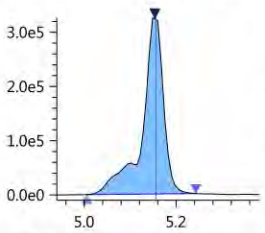
Conc 10.7362
RT 5.154 Area 1046638
Q 584.20>418.95 (-) 3.27e5



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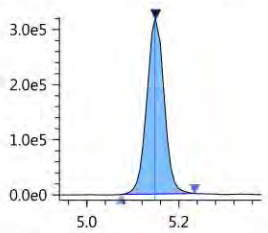
ISTD 588.80>419.00 (-) 3.22e5



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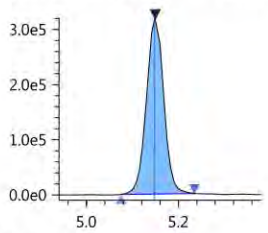

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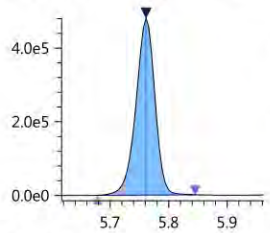
RT 5.761 Area 1082990
ISTD 530.90>169.15 (-) 4.81e5



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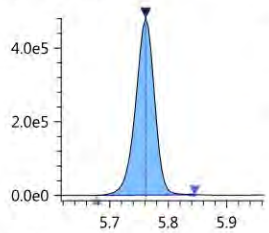

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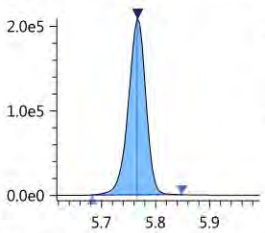
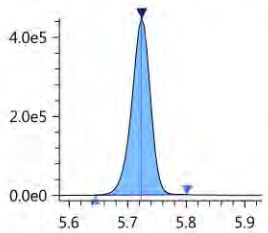
Conc 10.0088
RT 5.767 Area 470580
Q 526.90>169.10 (-) 2.10e5



N-EtFOSE-d9_IS
Conc 5.0000
RT 5.724 Area 998065
ISTD 638.70>59.10 (-) 4.48e5



N-EtFOSE-d9
Conc 5.1220
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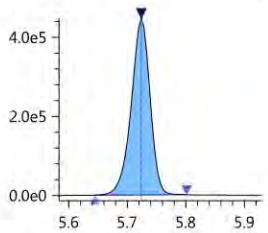
Q 638.70>59.10 (-) 4.48e5



N-EtFOSE
Conc 9.8992
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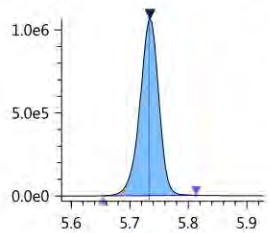
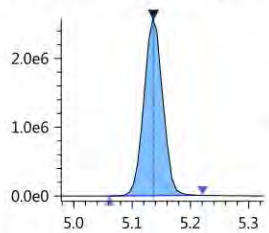
Q 630.00>58.90 (-) 1.07e6



13C7-PFUnDA_IS
Conc 5.0000
RT 5.136 Area 5787750
ISTD 570.00>525.00 (-) 2.58e6



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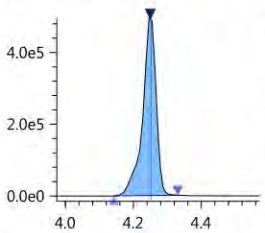
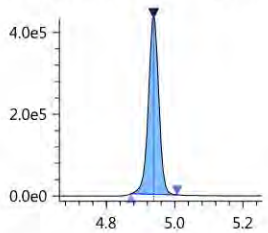
Conc 9.9912
RT 4.250 Area 1373169
Q 349.00>99.00 (-) 4.94e5



PFNS
Conc 8.7841
RT 4.938 Area 924544
Q 549.00>99.00 (-) 4.34e5



Insight Report

Printed at 6/25/2019 10:29:14 AM

190621_028

Sample ID: 15.0 PPB ICAL
Date acquired: 6/24/2019 7:29:07 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190624_curve\190621_028.lcd
Vial: 34 | Inj. Volume: 15.0000uL | Tray: 1

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
PFBA-13C_IS	Auto	3.425	3779653	3779653	2	5.0000	ng/mL	5.0000
PFBA-13C	Auto	3.425	3779653	4678810	26	6.2148	ng/mL	5.0000
PFBA	Auto	3.427	11552536	3779653	2	14.9169	ng/mL	15.0000
PFPeA-13C_IS	Auto	3.986	2174121	2174121	4	5.0000	ng/mL	5.0000
PFPeA-13C	Auto	3.986	2174121	4678810	26	6.0261	ng/mL	5.0000
PFPeA	Auto	3.986	16201198	2174121	4	15.0823	ng/mL	15.0000
PFBS_1	Auto	4.036	3554542	1248414	16	12.9965	ng/mL	13.3106
PFBS-13C	Auto	4.038	1248414	4678810	26	6.0049	ng/mL	5.0000
PFBS-13C_IS	Auto	4.038	1248414	1248414	16	5.0000	ng/mL	5.0000
PFHxA-13C_IS	Auto	4.242	5693290	5693290	6	5.0000	ng/mL	5.0000
PFHxA-13C	Auto	4.242	5693290	4678810	26	6.0229	ng/mL	5.0000
PFHxA	Auto	4.242	19381902	5693290	6	15.1862	ng/mL	15.0000
HPFO_DA	Auto	4.313	3519940	1246314	3	14.4973	ng/mL	15.0000
HFPO_DA-13C_IS	Auto	4.313	1246314	1246314	3	5.0000	ng/mL	5.0000
HFPO_DA-13C	Auto	4.313	1246314	4678810	26	6.4302	ng/mL	5.0000
4_2-FTS-13C_IS	Auto	4.214	1124500	1124500	5	5.0000	ng/mL	5.0000
4_2-FTS-13C	Auto	4.214	1124500	4678810	26	6.2301	ng/mL	5.0000
4_2-FTS_1	Auto	4.214	2917624	1124500	5	12.6759	ng/mL	14.0583
PFHpA	Auto	4.425	13153069	4412775	8	15.1140	ng/mL	15.0000
PFHpA-13C_IS	Auto	4.425	4412775	4412775	8	5.0000	ng/mL	5.0000
PFHpA-13C	Auto	4.425	4412775	4678810	26	5.3685	ng/mL	5.0000
PFHxS-18O_IS	Auto	4.425	536096	536096	7	5.0000	ng/mL	5.0000
PFHxS-18O	Auto	4.425	536096	4678810	26	5.6315	ng/mL	5.0000
PFHxS_1	Auto	4.419	1828652	536096	7	12.4551	ng/mL	13.6961
6_2-FTS-13C	Auto	4.584	772167	4678810	26	5.2927	ng/mL	5.0000
6_2-FTS-13C_IS	Auto	4.584	772167	772167	10	5.0000	ng/mL	5.0000
6_2-FTS_1	Auto	4.584	2083730	772167	10	12.1958	ng/mL	14.2676
PFHpS_1	Auto	4.591	2509699	536096	7	13.3607	ng/mL	14.3016
PFOA-13C_IS	Auto	4.599	6657023	6657023	9	5.0000	ng/mL	5.0000
PFOA-13C	Auto	4.599	6657023	4678810	26	5.3780	ng/mL	5.0000
PFOA	Auto	4.599	17016240	6657023	9	15.2636	ng/mL	15.0000
PFOS_1	Auto	4.765	1440490	688970	13	13.4356	ng/mL	13.9384
PFOS-13C_IS	Auto	4.764	688970	688970	13	5.0000	ng/mL	5.0000
PFOS-13C	Auto	4.764	688970	4678810	26	5.2861	ng/mL	5.0000
PFNA-13C_IS	Auto	4.778	4713401	4713401	11	5.0000	ng/mL	5.0000
PFNA-13C	Auto	4.778	4713401	4678810	26	5.6452	ng/mL	5.0000
PFNA	Auto	4.778	11837104	4713401	11	15.1016	ng/mL	15.0000
PFDA-13C_IS	Auto	4.963	4307435	4307435	12	5.0000	ng/mL	5.0000
PFDA-13C	Auto	4.963	4307435	4678810	26	5.4359	ng/mL	5.0000
PFDA	Auto	4.963	12122140	4307435	12	13.7546	ng/mL	15.0000
8_2-FTS-13C_IS	Auto	4.958	488142	488142	15	5.0000	ng/mL	5.0000
8_2-FTS-13C	Auto	4.958	488142	4678810	26	5.1641	ng/mL	5.0000
8_2-FTS_1	Auto	4.957	1105255	488142	15	13.2019	ng/mL	14.4007
PFDS_1	Auto	5.123	1724120	688970	13	14.5319	ng/mL	14.4700
PFUnA	Auto	5.143	9264942	3726675	14	15.2857	ng/mL	15.0000
PFUnA-13C_IS	Auto	5.143	3726675	3726675	14	5.0000	ng/mL	5.0000
PFUnA-13C	Auto	5.143	3726675	4678810	26	4.8675	ng/mL	5.0000
PFDoA	Auto	5.318	10373203	6265648	17	14.9157	ng/mL	15.0000
PFDoA-13C	Auto	5.319	6265648	4678810	26	5.8139	ng/mL	5.0000
PFDoA-13C_IS	Auto	5.319	6265648	6265648	17	5.0000	ng/mL	5.0000
10_2-FtS_1	Auto	5.322	912319	488142	15	15.1697	ng/mL	14.4929
PFTrDA	Auto	5.481	14206496	5231828	22	14.5573	ng/mL	15.0000
PFTeDA	Auto	5.630	5054775	5231828	22	14.9539	ng/mL	15.0000
PFTeDA-13C	Auto	5.630	5231828	4678810	26	5.8409	ng/mL	5.0000
PFTeDA-13C_IS	Auto	5.630	5231828	5231828	22	5.0000	ng/mL	5.0000
FOSA-13C_IS	Auto	5.255	2000781	2000781	18	5.0000	ng/mL	5.0000
FOSA-13C	Auto	5.255	2000781	4678810	26	6.0780	ng/mL	5.0000
FOSA	Auto	5.255	7649372	2000781	18	14.4195	ng/mL	15.0000
N-MeFOSAA	Auto	5.063	2506161	1108232	19	15.8139	ng/mL	15.0000
N-MeFOSAA-d3	Auto	5.060	1108232	4678810	26	6.0898	ng/mL	5.0000
N-MeFOSAA-d3_IS	Auto	5.060	1108232	1108232	19	5.0000	ng/mL	5.0000
N-MeFOSA-d3_IS	Auto	5.635	703285	703285	1	5.0000	ng/mL	5.0000
N-MeFOSA-d3	Auto	5.635	703285	4678810	26	6.1372	ng/mL	5.0000
N-MeFOSA	Auto	5.638	3476833	703285	1	14.4933	ng/mL	15.0000
N-MeFOSE-d7	Auto	5.604	1069038	4678810	26	5.9610	ng/mL	5.0000
N-MeFOSE-d7_IS	Auto	5.604	1069038	1069038	20	5.0000	ng/mL	5.0000
N-MeFOSE	Auto	5.612	3736448	1069038	20	13.9418	ng/mL	15.0000
N-EtFOSAA	Auto	5.161	1621980	925057	21	14.4720	ng/mL	15.0000

Insight Report

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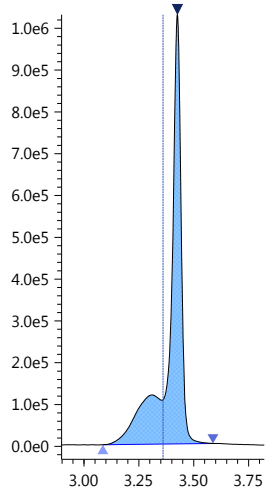
(Table continued from previous page)

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
N-EtFOSAA-d5_IS	Auto	5.157	925057	925057	21	5.0000	ng/mL	5.0000
N-EtFOSAA-d5	Auto	5.157	925057	4678810	26	6.2417	ng/mL	5.0000
N-EtFOSA-d9_IS	Auto	5.769	998752	998752	23	5.0000	ng/mL	5.0000
N-EtFOSA-d9	Auto	5.769	998752	4678810	26	5.9570	ng/mL	5.0000
N-EtFOSA	Auto	5.774	662473	998752	23	14.9937	ng/mL	15.0000
N-EtFOSE-d9_IS	Auto	5.731	970373	970373	24	5.0000	ng/mL	5.0000
N-EtFOSE-d9	Auto	5.731	970373	4678810	26	6.1602	ng/mL	5.0000
N-EtFOSE	Auto	5.742	3422610	970373	24	14.5500	ng/mL	15.0000
13C7-PFUnDA_IS	Auto	5.143	4678810	4678810	26	5.0000	ng/mL	5.0000
PFPeS	Auto	4.259	1954803	1248414	16	14.3044	ng/mL	14.1138
PFNS	Auto	4.945	1325585	688970	13	14.9386	ng/mL	14.4237

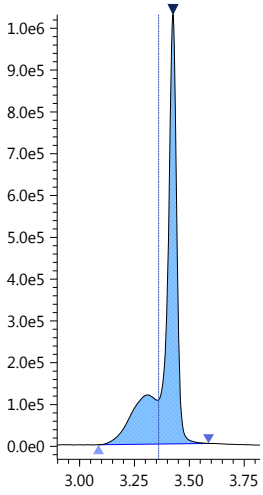
PFBA-13C_IS

Conc 5.0000
RT 3.425 Area 3779653
ISTD 216.90>172.15 (-) 1.03e6



PFBA-13C

Conc 6.2148
RT 3.425 Area 3779653
Q 216.90>172.15 (-) 1.03e6



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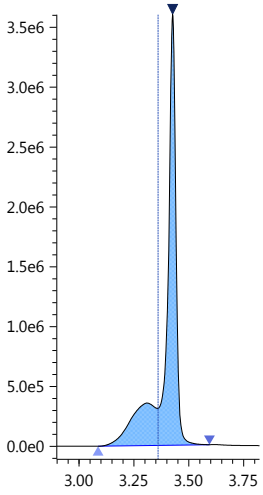
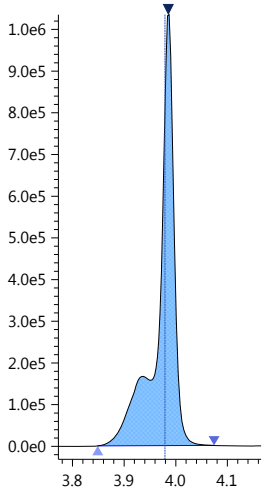
Conc 14.9169
RT 3.427 Area 11552536
Q 213.00>169.10 (-) 3.61e6



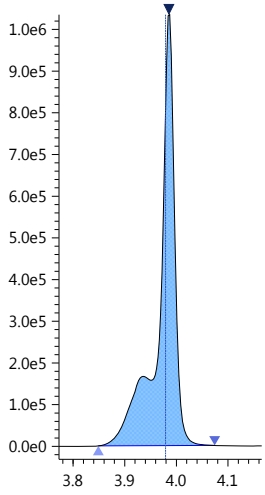
PFPeA-13C_IS

Conc 5.0000
RT 3.986 Area 2174121
ISTD 267.90>223.00 (-) 1.04e6



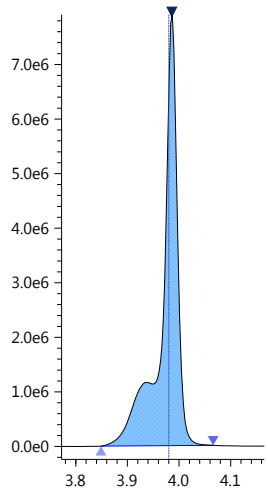
PFPeA-13C

Conc 6.0261
RT 3.986 Area 2174121
Q 267.90>223.00 (-) 1.04e6



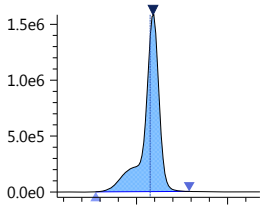
PFPeA

Conc 15.0823
RT 3.986 Area 16201198
Q 263.05>219.10 (-) 7.91e6

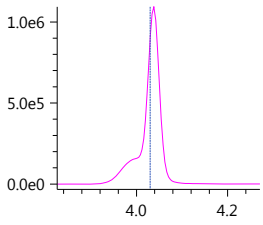


PFBS_1

Conc 12.9965
RT 4.036 Area 3554542
R#1 66.09 (0.00)
Q 299.00>80.00 (-) 1.59e6

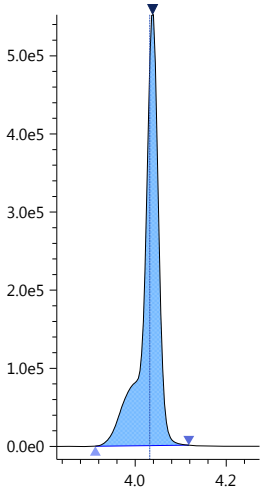


R1 298.80>99.00 (-) 1.09e6



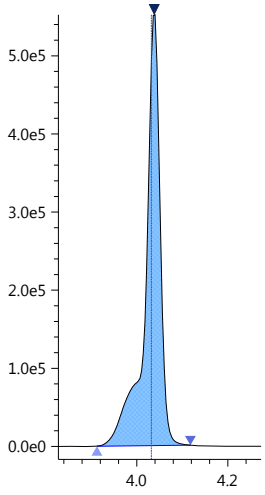
PFBS-13C

Conc 6.0049
RT 4.038 Area 1248414
Q 301.80>80.00 (-) 5.53e5



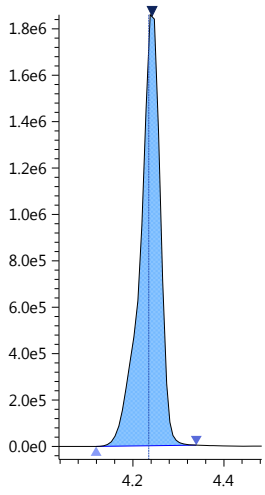
PFBS-13C_IS

Conc 5.0000
RT 4.038 Area 1248414
ISTD 301.80>80.00 (-) 5.53e5



PFHxA-13C_IS

Conc 5.0000
RT 4.242 Area 5693290
ISTD 314.90>270.10 (-) 1.86e6



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PFHxA-13C
Conc 6.0229
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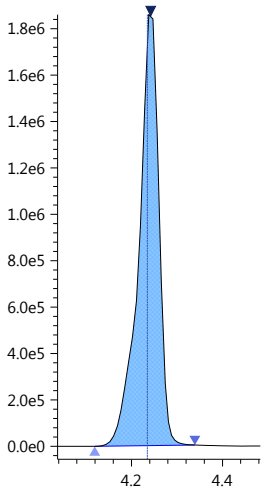
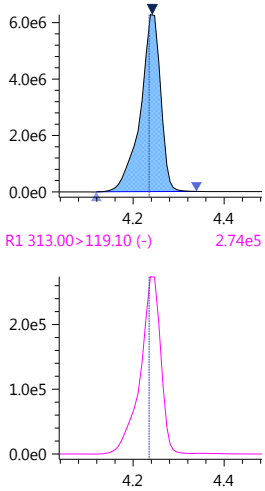
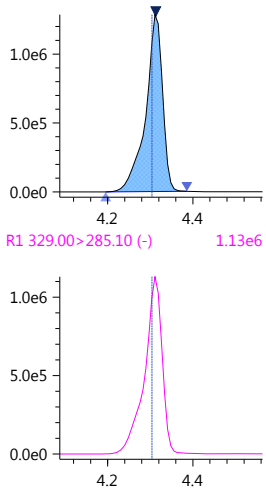
Q 314.90>270.10 (-) 1.86e6



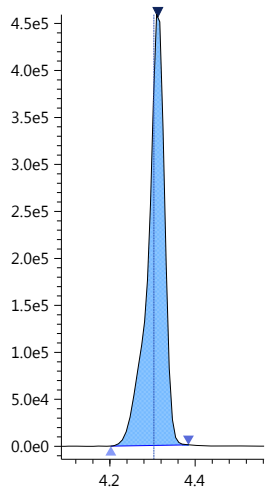
PFHxA
Conc 15.1862
RT 4.242 Area 19381902
R#1 4.36 (0.00)
Q 313.00>269.00 (-) 6.28e6
R1 313.00>119.10 (-) 2.74e5



HPFO_DA
Conc 14.4973
RT 4.313 Area 3519940
R#1 87.91 (0.00)
Q 329.00>169.00 (-) 1.29e6
R1 329.00>285.10 (-) 1.13e6



HFPO_DA-13C_IS
Conc 5.0000
RT 4.313 Area 1246314
ISTD 332.00>286.80 (-) 4.59e5



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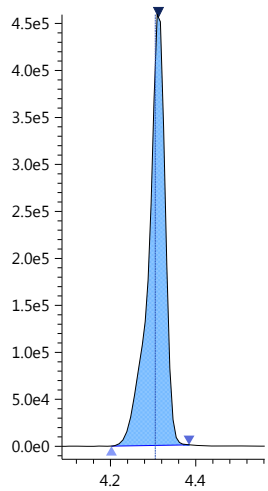
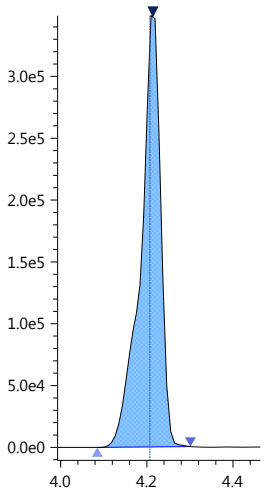
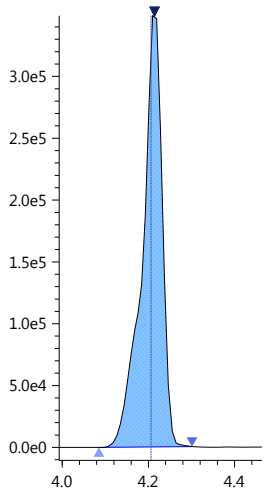


4_2-FTS-13C_IS
Conc 5.0000
RT 4.214 Area 1124500
ISTD 328.80>309.05 (-) 3.49e5



4_2-FTS-13C
Conc 6.2301
RT 4.214 Area 1124500
Q 328.80>309.05 (-) 3.49e5



4_2-FTS_1
Conc 12.6759
RT 4.214 Area 2917624
R#1 34.74 (0.00)
Q 327.00>307.05 (-) 9.20e5
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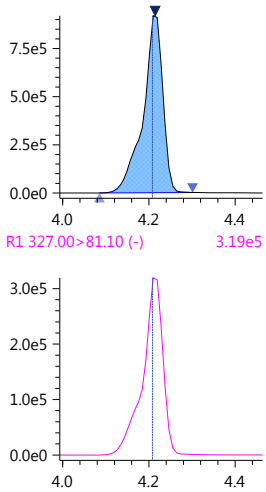
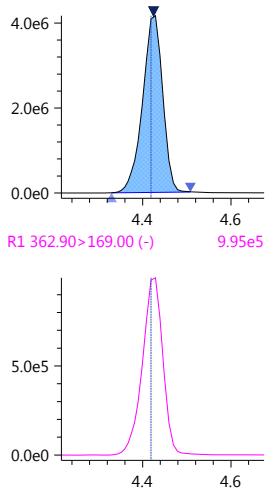
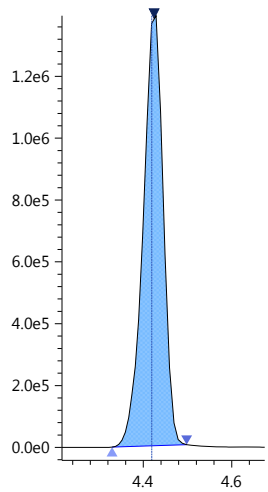


PFHpA
Conc 15.1140
RT 4.425 Area 13153069
R#1 23.85 (0.00)
Q 362.90>319.00 (-) 4.17e6
R1 362.90>169.00 (-) 9.95e5



PFHpA-13C_IS
Conc 5.0000
RT 4.425 Area 4412775
ISTD 366.90>322.10 (-) 1.40e6



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PFHpA-13C
Conc 5.3685
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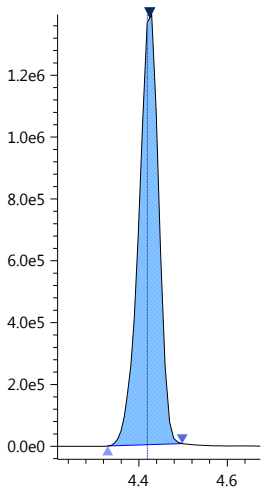
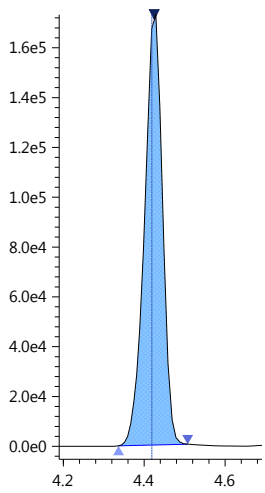
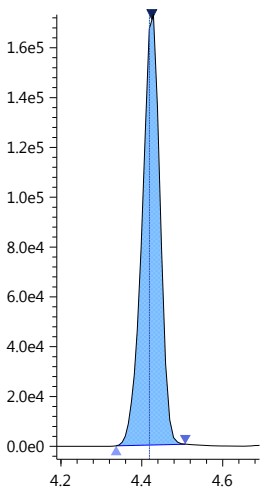
Q 366.90>322.10 (-) 1.40e6



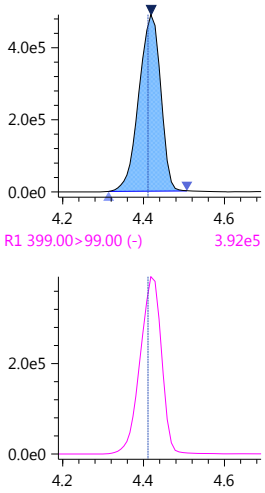
PFHxS-18O_IS
Conc 5.0000
RT 4.425 Area 536096
ISTD 402.70>84.05 (-) 1.73e5



PFHxS-18O
Conc 5.6315
RT 4.425 Area 536096
Q 402.70>84.05 (-) 1.73e5

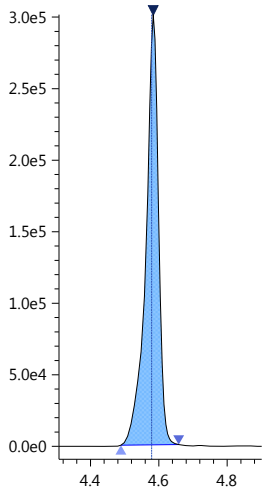


PFHxS_1
Conc 12.4551
RT 4.419 Area 1828652
R#1 79.59 (0.00)
Q 399.00>80.00 (-) 4.92e5

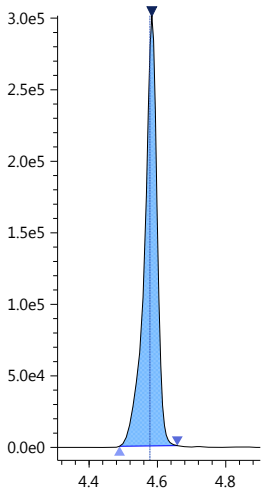


R1 399.00>99.00 (-) 3.92e5

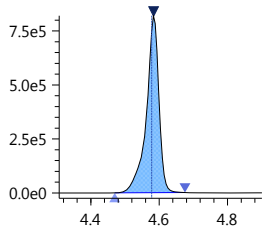
6_2-FTS-13C
Conc 5.2927
RT 4.584 Area 772167
Q 428.90>409.00 (-) 3.02e5



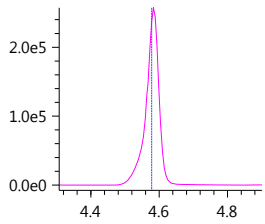
6_2-FTS-13C_IS
Conc 5.0000
RT 4.584 Area 772167
ISTD 428.90>409.00 (-) 3.02e5



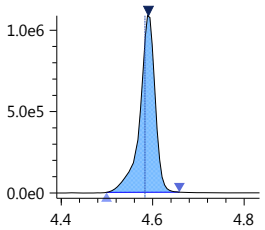
6_2-FTS_1
Conc 12.1958
RT 4.584 Area 2083730
R#1 31.32 (0.00)
Q 427.00>407.00 (-) 8.21e5



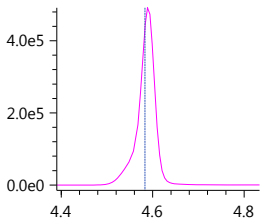
R1 427.00>80.90 (-) 2.57e5



PFHpS_1
Conc 13.3607
RT 4.591 Area 2509699
R#1 45.10 (0.00)
Q 449.00>80.15 (-) 1.09e6



R1 449.00>99.20 (-) 4.91e5



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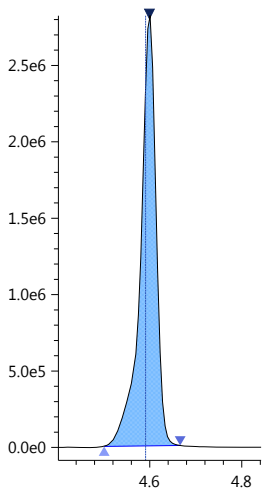
Conc 5.0000
RT 4.599 Area 6657023
ISTD 416.80>372.05 (-) 2.83e6



PFOA-13C
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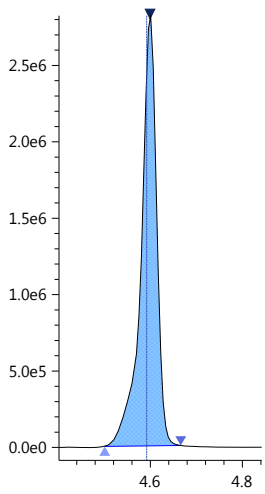
RT 4.599 Area 6657023
Q 416.80>372.05 (-) 2.83e6



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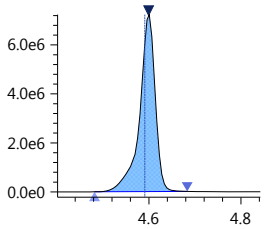
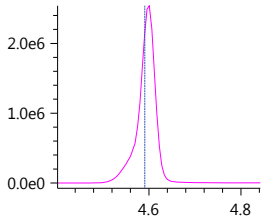
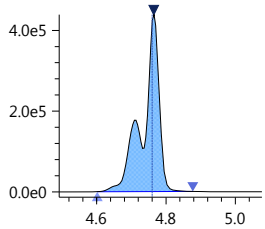
Conc 15.2636
RT 4.599 Area 17016240
R#1 35.03 (0.00)
Q 413.00>369.00 (-) 7.24e6



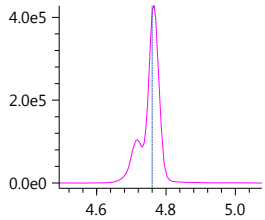
R1 413.00>169.10 (-) 2.54e6



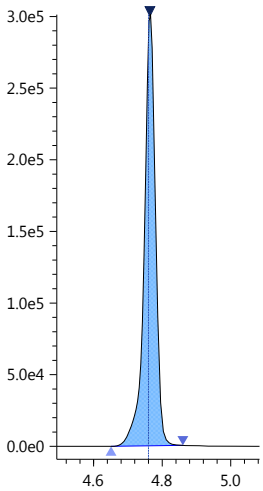
PFOS_1
Conc 13.4356
RT 4.765 Area 1440490
R#1 97.11 (0.00)
Q 499.00>80.00 (-) 4.39e5



R1 499.00>99.00 (-) 4.28e5



PFOS-13C_IS
Conc 5.0000
RT 4.764 Area 688970
ISTD 502.80>80.05 (-) 3.01e5



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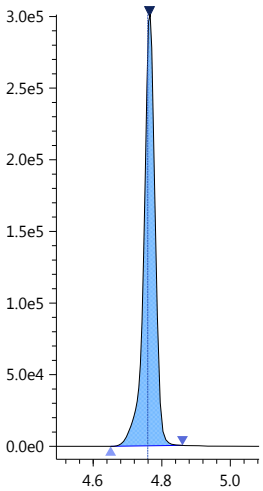
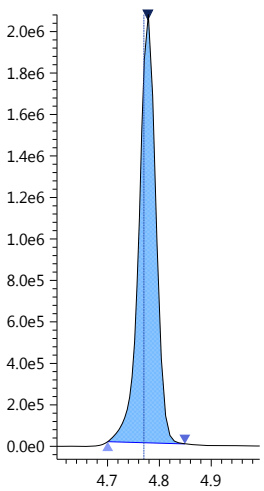
Conc 5.2861
RT 4.764 Area 688970
Q 502.80>80.05 (-) 3.01e5



PFNA-13C_IS
Conc 5.0000
RT 4.778 Area 4713401
ISTD 467.80>423.00 (-) 2.08e6



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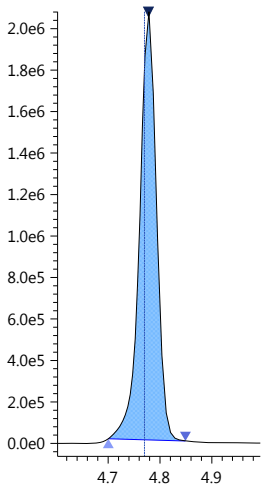
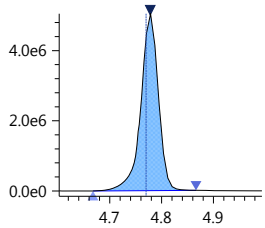
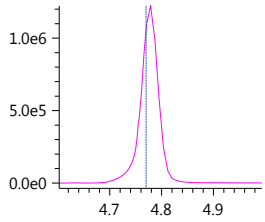
Conc 5.6452
RT 4.778 Area 4713401
Q 467.80>423.00 (-) 2.08e6



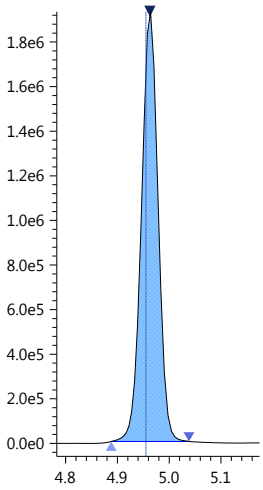
PFNA
Conc 15.1016
RT 4.778 Area 11837104
R#1 24.21 (0.00)
Q 463.00>418.90 (-) 5.05e6



R1 463.00>219.00 (-) 1.22e6



PFDA-13C_IS
Conc 5.0000
RT 4.963 Area 4307435
ISTD 514.80>469.95 (-) 1.94e6



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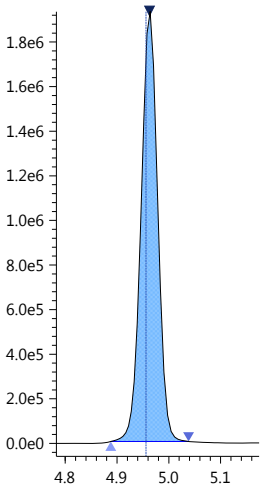
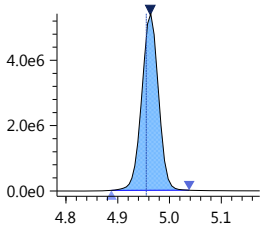
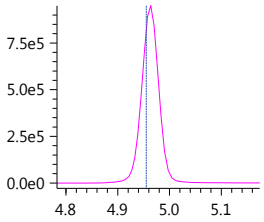
RT 4.963 Area 4307435
Q 514.80>469.95 (-) 1.94e6



PFDA
Conc 13.7546
RT 4.963 Area 12122140
R#1 17.48 (0.00)
Q 513.00>468.80 (-) 5.42e6



R1 513.00>219.10 (-) 9.50e5



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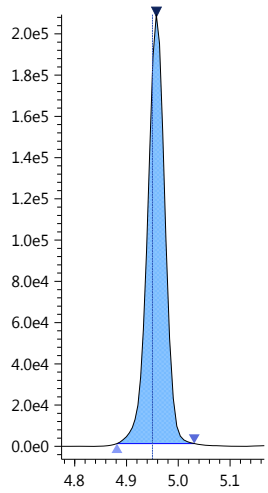
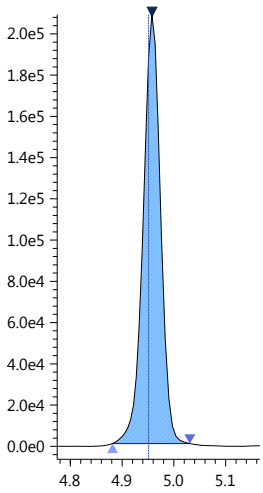
8_2-FTS-13C_IS
Conc 5.0000
RT 4.958 Area 488142

ISTD 528.80>509.00 (-) 2.09e5



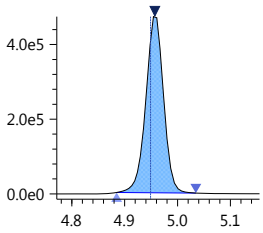
8_2-FTS-13C
Conc 5.1641
RT 4.958 Area 488142

Q 528.80>509.00 (-) 2.09e5

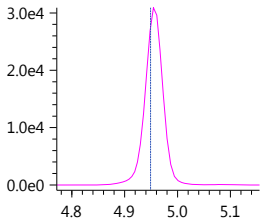


8_2-FTS_1
Conc 13.2019
RT 4.957 Area 1105255
R#1 6.54 (6.32)

Q 527.10>506.90 (-) 4.75e5

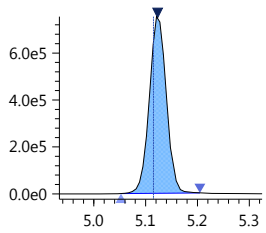


R1 527.20>487.00 (-) 3.09e4

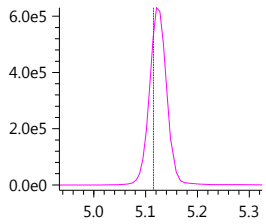


PFDS_1
Conc 14.5319
RT 5.123 Area 1724120
R#1 84.38 (0.00)

Q 599.00>79.90 (-) 7.55e5

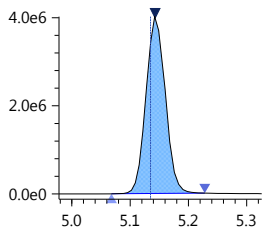


R1 599.00>99.10 (-) 6.30e5



PFUnA
Conc 15.2857
RT 5.143 Area 9264942
R#1 11.96 (0.00)

Q 563.00>518.90 (-) 4.03e6



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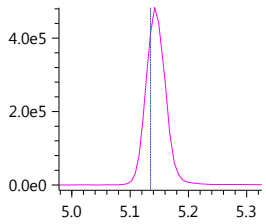
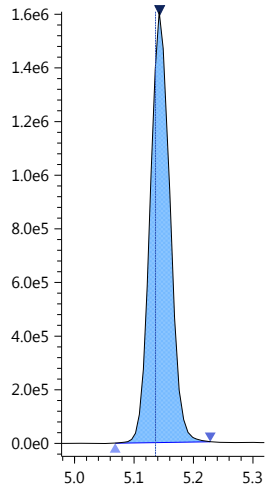


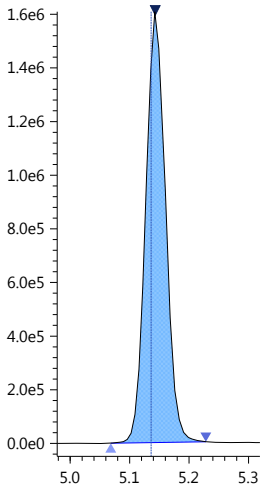
PFUnA-13C_IS
Conc 5.0000
RT 5.143 Area 3726675

ISTD 564.80>519.95 (-) 1.61e6



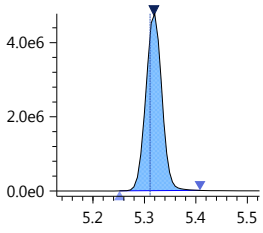
PFUnA-13C
Conc 4.8675
RT 5.143 Area 3726675

Q 564.80>519.95 (-) 1.61e6

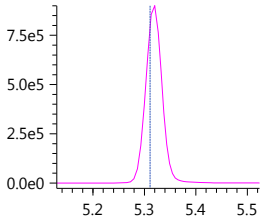


PFDoA
Conc 14.9157
RT 5.318 Area 10373203
R#1 18.82 (0.00)

Q 613.05>569.00 (-) 4.78e6

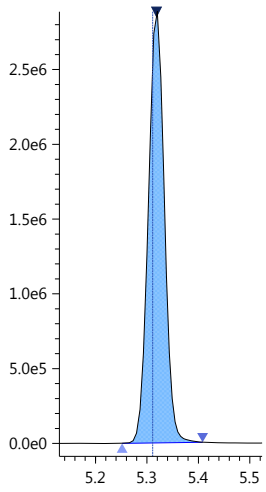


R1 613.05>169.00 (-) 9.00e5



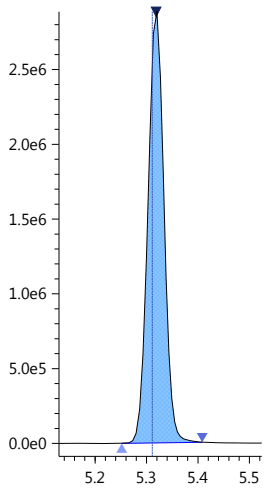
PFDoA-13C
Conc 5.8139
RT 5.319 Area 6265648

Q 614.80>569.95 (-) 2.89e6



PFDoA-13C_IS
Conc 5.0000
RT 5.319 Area 6265648

ISTD 614.80>569.95 (-) 2.89e6



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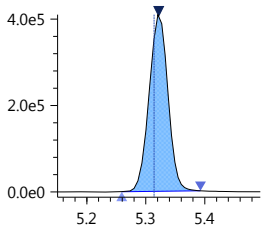
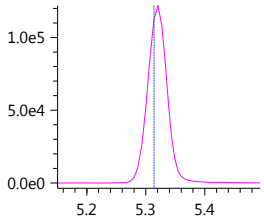
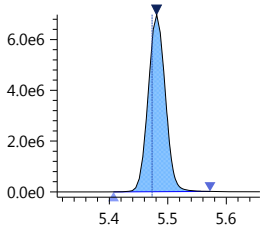
10_2-FtS_1
Conc 15.1697
RT 5.322 Area 912319
R#1 29.75 (0.00)
Q 627.00>606.95 (-) 4.10e5



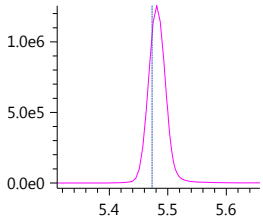
R1 627.00>81.25 (-) 1.22e5



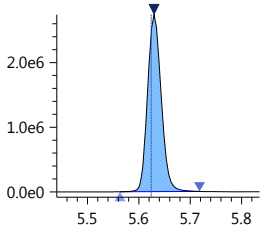
PFTrDA
Conc 14.5573
RT 5.481 Area 14206496
R#1 17.95 (0.00)
Q 663.00>618.90 (-) 6.98e6



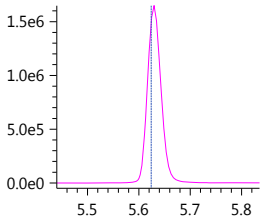
R1 662.90>169.00 (-) 1.26e6



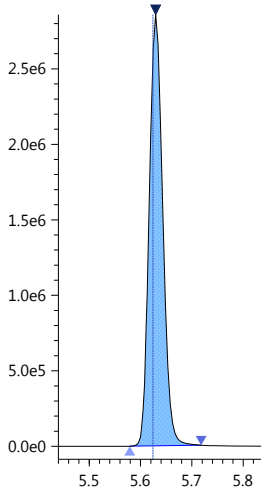
PFTeDA
Conc 14.9539
RT 5.630 Area 5054775
R#1 60.37 (0.00)
Q 713.40>669.00 (-) 2.74e6



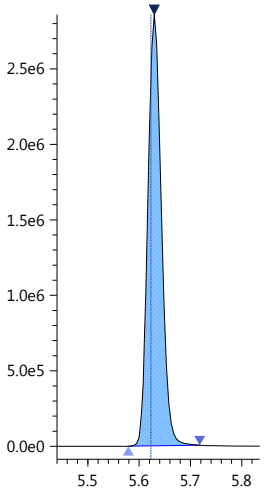
R1 713.40>169.10 (-) 1.65e6



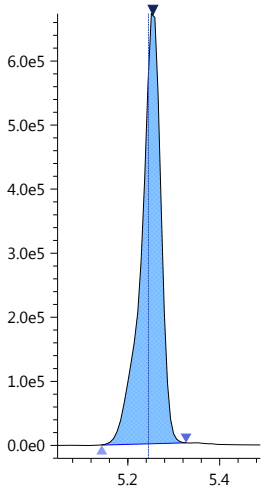
PFTeDA-13C
Conc 5.8409
RT 5.630 Area 5231828
Q 714.70>669.90 (-) 2.86e6



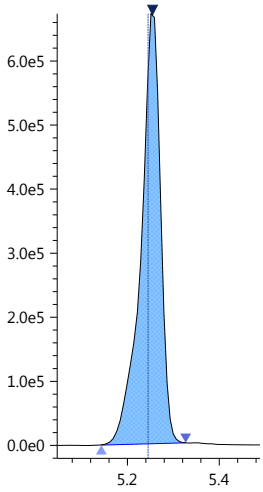
PFTeDA-13C_IS
Conc 5.0000
RT 5.630 Area 5231828
ISTD 714.70>669.90 (-) 2.86e6



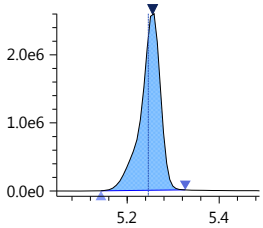
FOSA-13C_IS
Conc 5.0000
RT 5.255 Area 2000781
ISTD 506.00>78.05 (-) 6.74e5



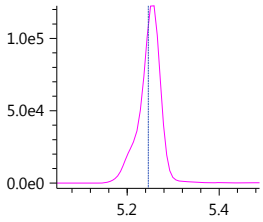
FOSA-13C
Conc 6.0780
RT 5.255 Area 2000781
Q 506.00>78.05 (-) 6.74e5



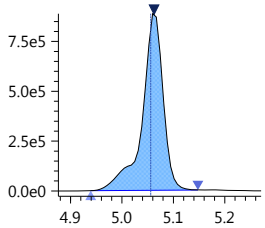
FOSA
Conc 14.4195
RT 5.255 Area 7649372
R#1 4.76 (0.00)
Q 498.20>78.00 (-) 2.60e6



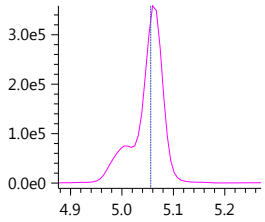
R1 498.20>64.10 (-) 1.23e5



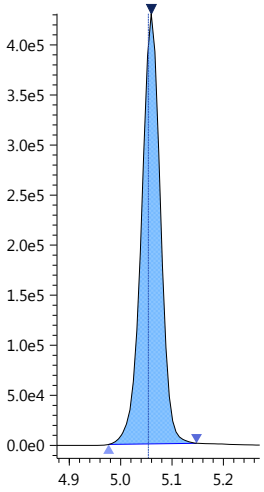
N-MeFOSAA
Conc 15.8139
RT 5.063 Area 2506161
R#1 39.96 (0.00)
Q 570.20>419.00 (-) 8.89e5



R1 570.20>512.00 (-) 3.58e5



N-MeFOSAA-d3
Conc 6.0898
RT 5.060 Area 1108232
Q 572.80>419.05 (-) 4.31e5



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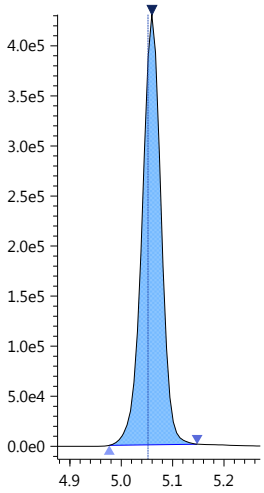
N-MeFOSAA-d3_IS
Conc 5.0000
RT 5.060 Area 1108232
ISTD 572.80>419.05 (-) 4.31e5



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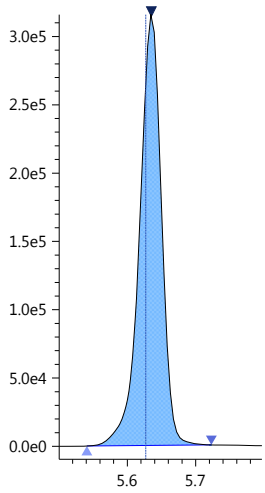
RT 5.635 Area 703285
ISTD 514.90>168.90 (-) 3.16e5



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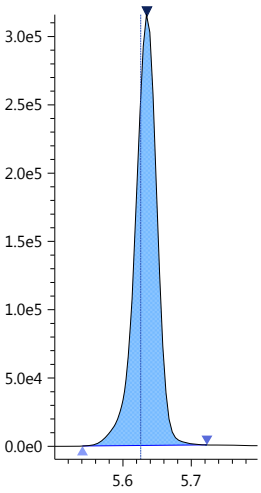
Conc 6.1372
RT 5.635 Area 703285
Q 514.90>168.90 (-) 3.16e5



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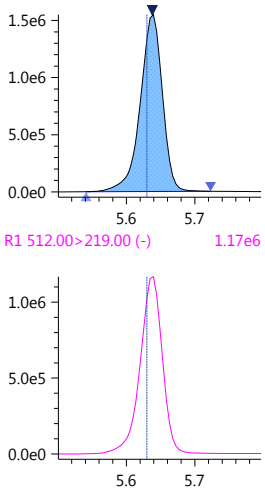
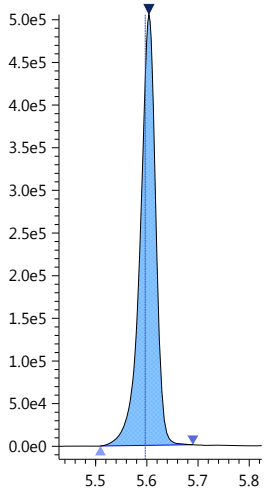
Conc 14.4933
RT 5.638 Area 3476833
R#1 76.19 (0.00)
Q 512.00>169.10 (-) 1.55e6



R1 512.00>219.00 (-) 1.17e6

N-MeFOSE-d7
Conc 5.9610
RT 5.604 Area 1069038
Q 622.70>59.10 (-) 5.06e5



N-MeFOSE-d7_IS
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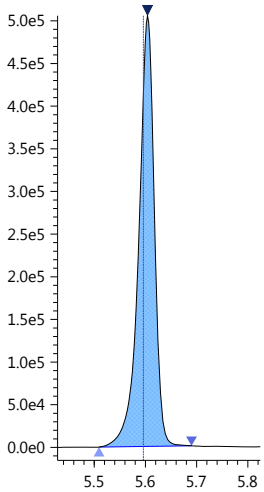
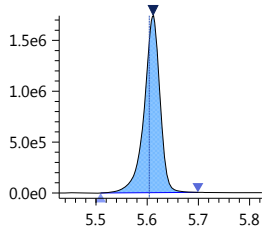
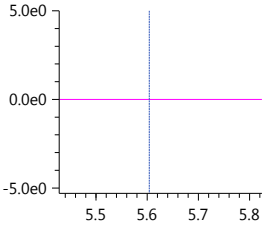
ISTD 622.70>59.10 (-) 5.06e5



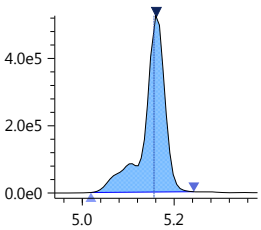
N-MeFOSE
Conc 13.9418
RT 5.612 Area 3736448
R#1 0.00 (0.00)
Q 616.00>59.00 (-) 1.74e6



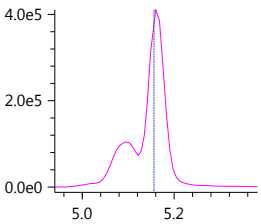
R1 556.00>121.20 (-) 0.00e0



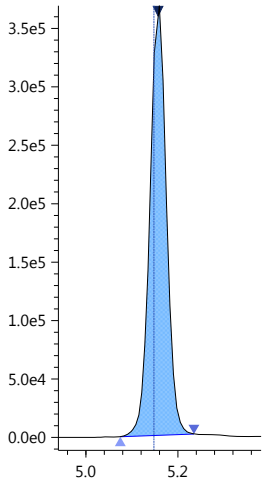
N-EtFOSAA
Conc 14.4720
RT 5.161 Area 1621980
R#1 77.16 (0.00)
Q 584.20>418.95 (-) 5.27e5



R1 584.20>526.10 (-) 4.11e5



N-EtFOSAA-d5_IS
Conc 5.0000
RT 5.157 Area 925057
ISTD 588.80>419.00 (-) 3.69e5



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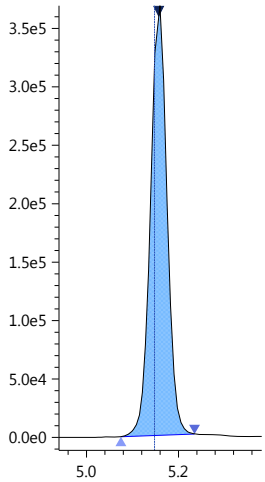
Conc 6.2417
RT 5.157 Area 925057
Q 588.80>419.00 (-) 3.69e5



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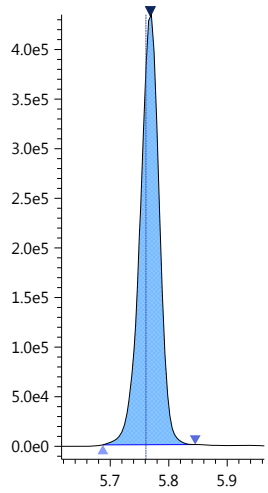
N-EtFOSA-d9_IS

Conc 5.0000
RT 5.769 Area 998752

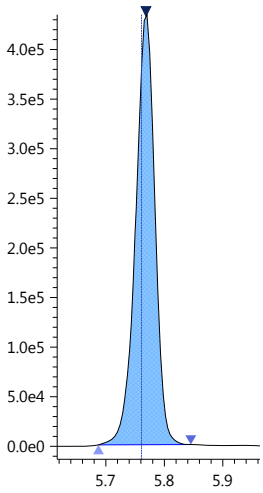
ISTD 530.90>169.15 (-) 4.35e5



N-EtFOSA-d9

Conc 5.9570
RT 5.769 Area 998752

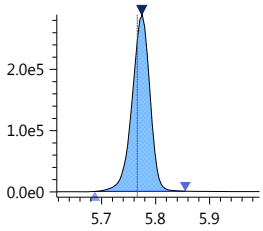
Q 530.90>169.15 (-) 4.35e5



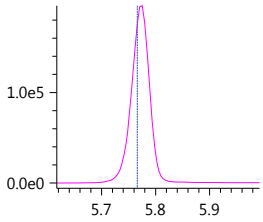
N-EtFOSA

Conc 14.9937
RT 5.774 Area 662473
R#1 67.72 (0.00)

Q 526.90>169.10 (-) 2.89e5



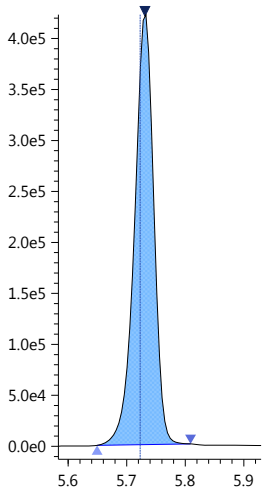
R1 526.90>219.00 (-) 1.96e5



N-EtFOSE-d9_IS

Conc 5.0000
RT 5.731 Area 970373

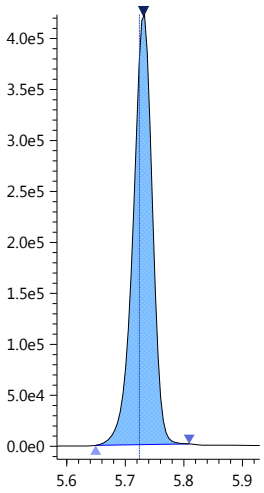
ISTD 638.70>59.10 (-) 4.23e5



N-EtFOSE-d9

Conc 6.1602
RT 5.731 Area 970373

Q 638.70>59.10 (-) 4.23e5



N-EtFOSE

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RT 5.742 Area 3422610
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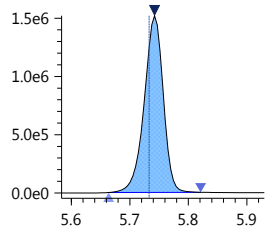
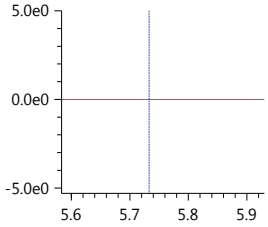
Q 630.00>58.90 (-) 1.52e6



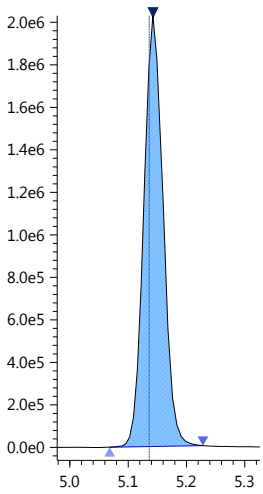
R1 570.00>136.10 (-) 0.00e0



13C7-PFUnDA_IS

Conc 5.0000
RT 5.143 Area 4678810

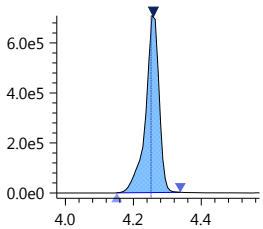
ISTD 570.00>525.00 (-) 2.03e6



PFPeS

Conc 14.3044
RT 4.259 Area 1954803
R#1 148.54 (0.00)

Q 349.00>99.00 (-) 7.09e5



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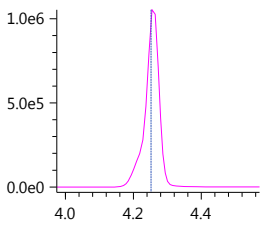

PFNS

Conc 14.9386
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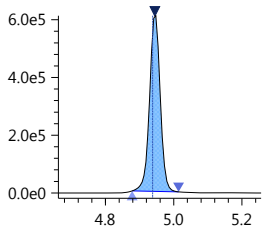

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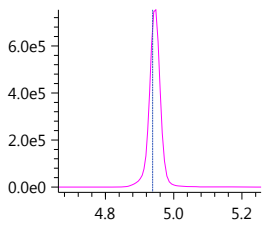

Insight Report

Printed at 6/25/2019 10:11:56 AM

190621_028

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Date acquired: 6/24/2019 7:29:07 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190624_curve\190621_028.lcd
Vial: 34 | Inj. Volume: 15.0000uL | Tray: 1

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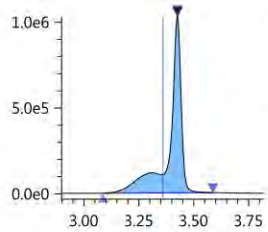
ISTD 216.90>172.15 (-) 1.03e6



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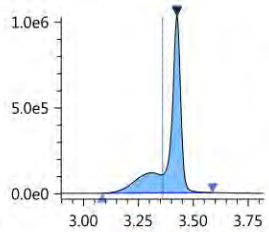

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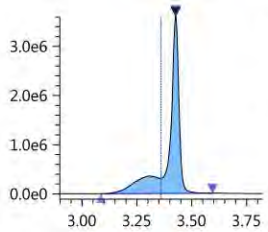

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RT 3.986 Area 2174121
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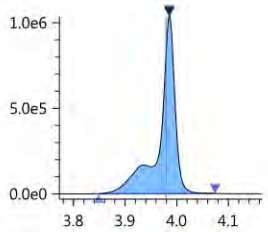

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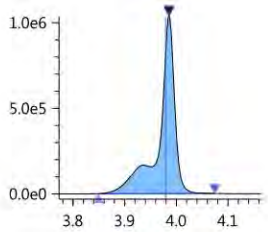

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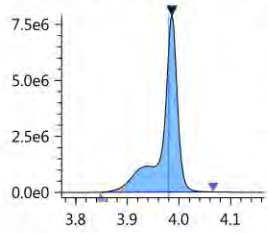

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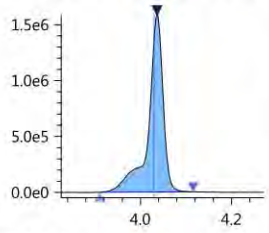
Conc 13.3611
RT 4.036 Area 3554542
Q 299.00>80.00 (-) 1.59e6



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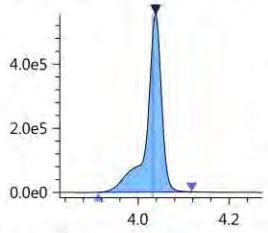

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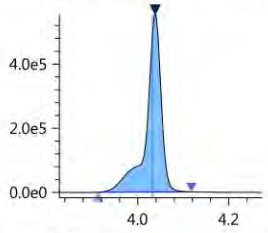

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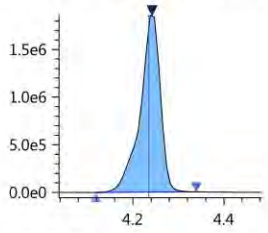

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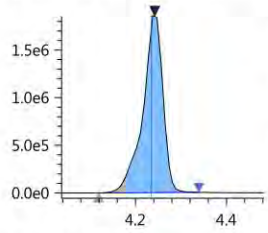

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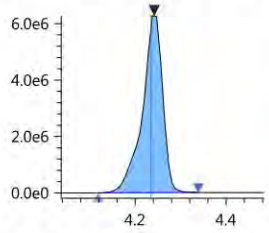

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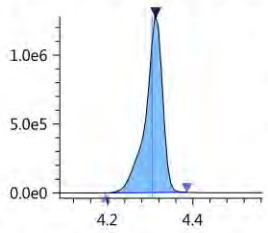
Q 329.00>169.00 (-) 1.29e6



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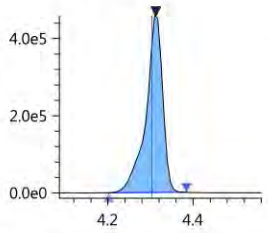

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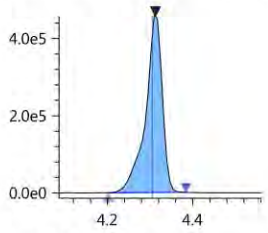

4_2-FTS-13C_IS
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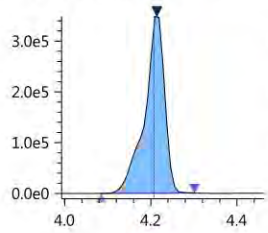
ISTD 328.80>309.05 (-) 3.49e5



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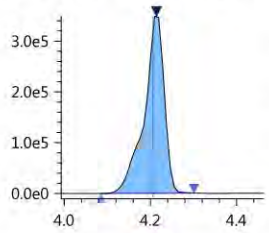

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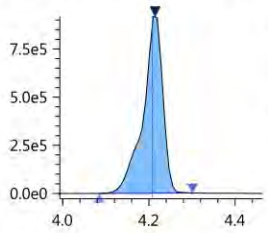

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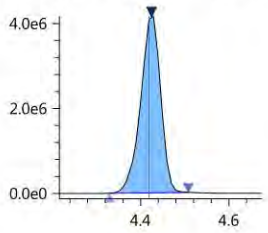

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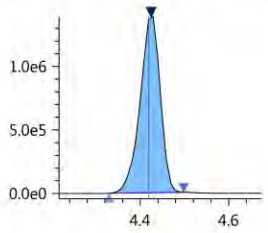

Insight Report

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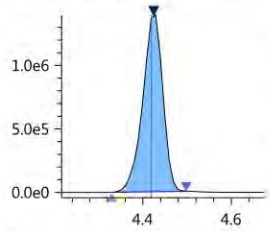

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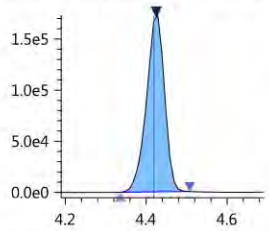

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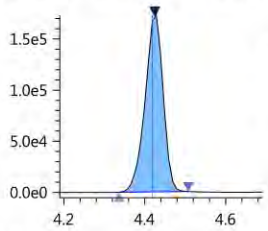

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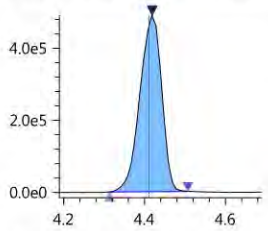

6_2-FTS-13C
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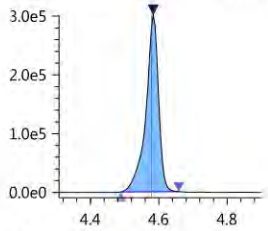
RT 4.584 Area 772167
Q 428.90>409.00 (-) 3.02e5



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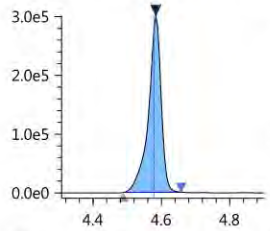

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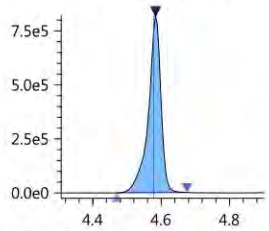

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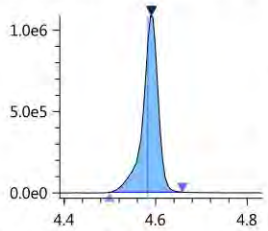

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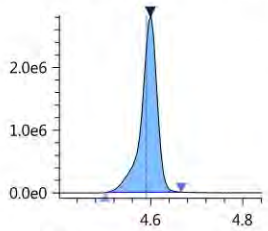

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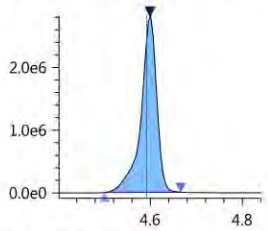

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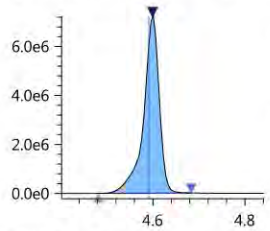

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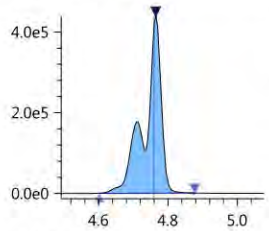

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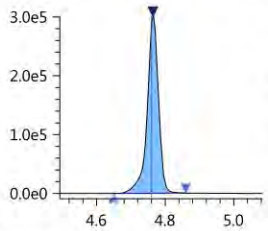

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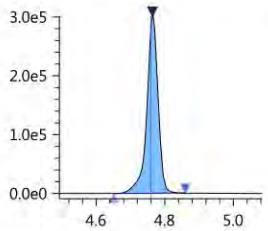

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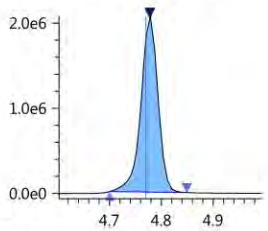

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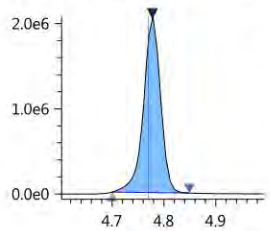
Q 467.80>423.00 (-) 2.08e6



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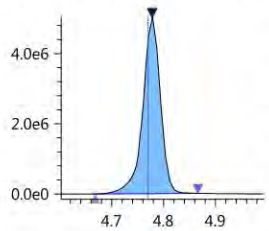
Conc 13.6799
RT 4.778 Area 11837104
Q 463.00>418.90 (-) 5.05e6



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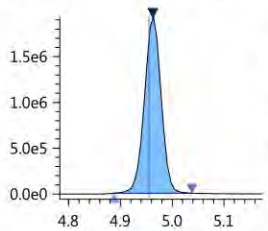

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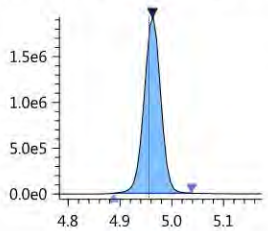

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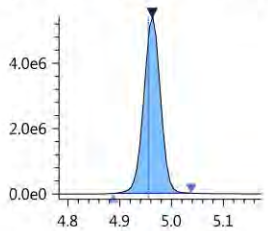

Insight Report

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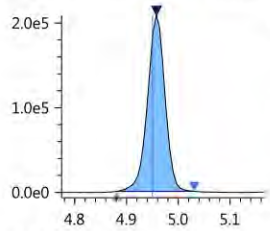
ISTD 528.80>509.00 (-) 2.09e5



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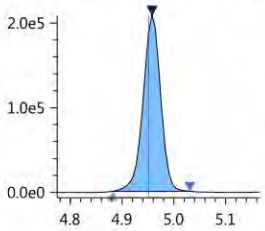

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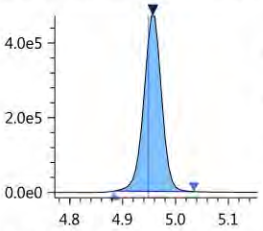

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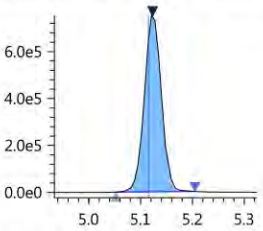

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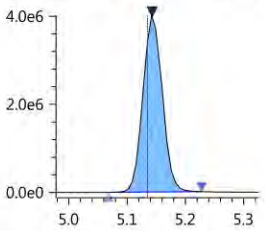

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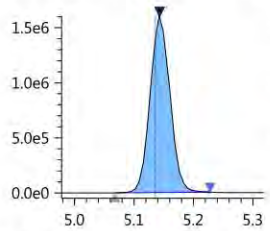

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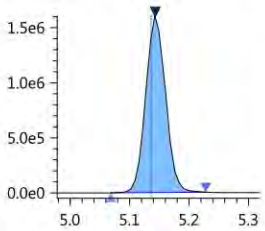

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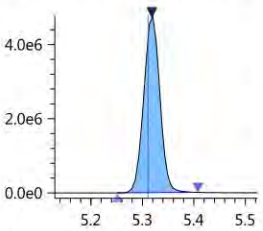

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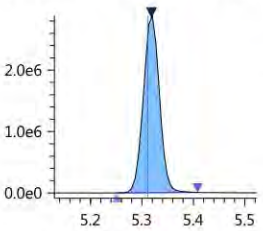

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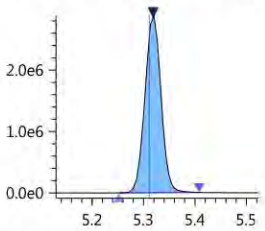

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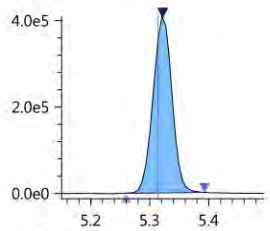

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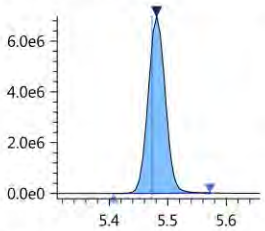

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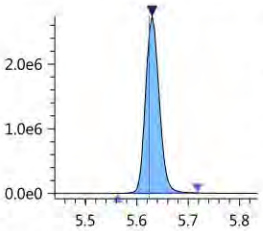

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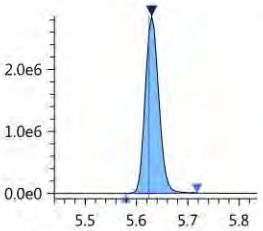

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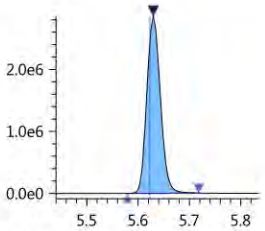

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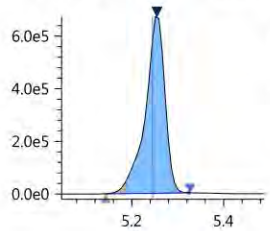

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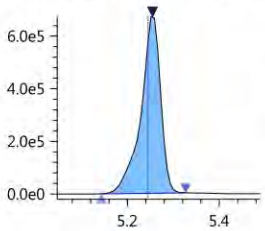

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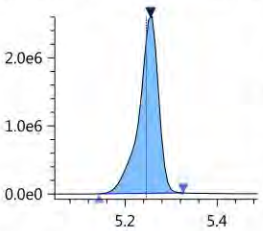

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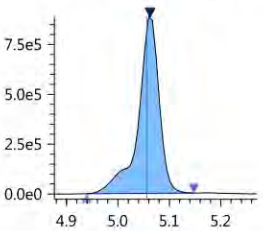

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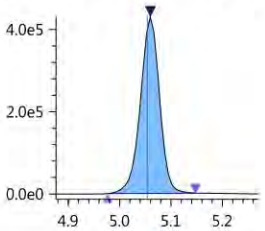

Insight Report

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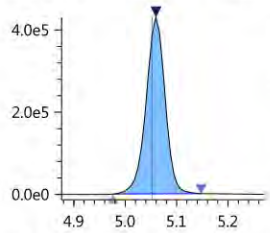

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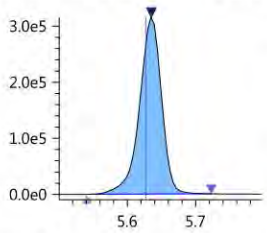

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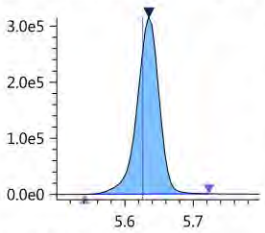

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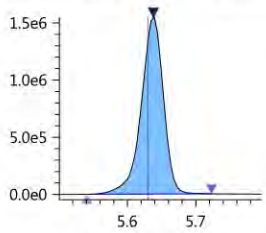

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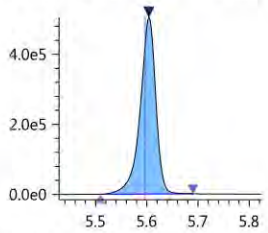

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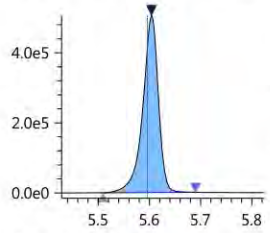

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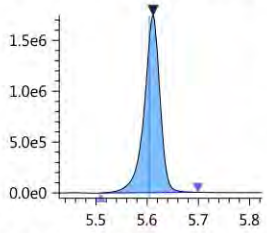
RT 5.612 Area 3736448
Q 616.00>59.00 (-) 1.74e6



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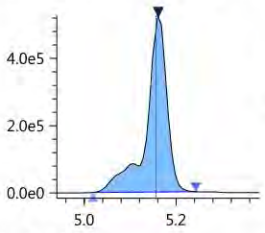

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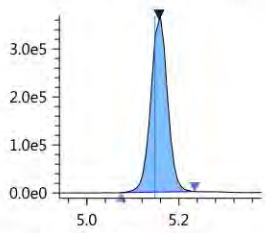

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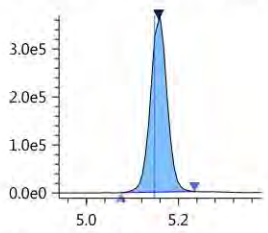

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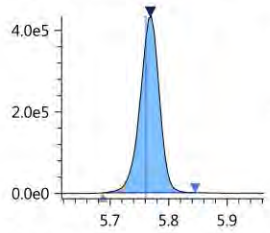

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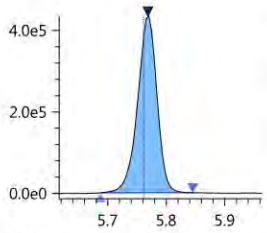

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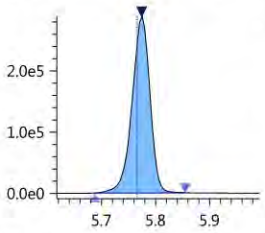

N-EtFOSE-d9_IS
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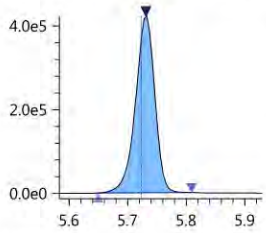

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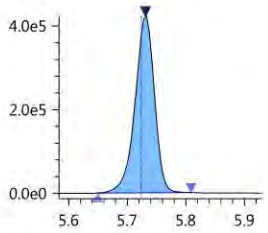

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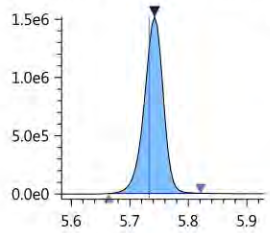

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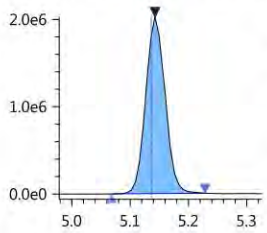

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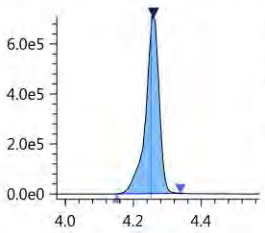

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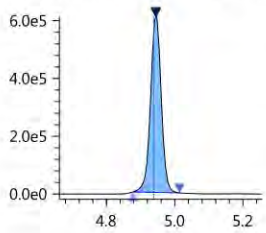

Insight Report

Printed at 6/25/2019 10:29:14 AM

190621_029

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Acquired by: System Administrator
Data File: J:\LCMS06\Data\190624_curve\190621_029.lcd
Vial: 25 | Inj. Volume: 15.0000uL | Tray: 1

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
PFBA-13C_IS	Auto	3.424	4342142	4342142	2	5.0000	ng/mL	----
PFBA-13C	Auto	3.424	4342142	6831820	26	4.8897	ng/mL	----
PFBA	ND(W/B)	----	----	4342142	2	----	ng/mL	----
PFPeA-13C_IS	Auto	3.984	2572183	2572183	4	5.0000	ng/mL	----
PFPeA-13C	Auto	3.984	2572183	6831820	26	4.8826	ng/mL	----
PFPeA	Auto	3.985	156574	2572183	4	-0.0026	ng/mL	----
PFBS_1	M	4.036	536	1468895	16	0.0017	ng/mL	----
PFBS-13C	Auto	4.037	1468895	6831820	26	4.8388	ng/mL	----
PFBS-13C_IS	Auto	4.037	1468895	1468895	16	5.0000	ng/mL	----
PFHxA-13C_IS	Auto	4.241	8102015	8102015	6	5.0000	ng/mL	----
PFHxA-13C	Auto	4.241	8102015	6831820	26	5.8700	ng/mL	----
PFHxA	Auto	4.227	48168	8102015	6	-0.0050	ng/mL	----
HPFO_DA	M	4.311	841	1387446	3	0.0031	ng/mL	----
HFPO_DA-13C_IS	Auto	4.311	1387446	1387446	3	5.0000	ng/mL	----
HFPO_DA-13C	Auto	4.311	1387446	6831820	26	4.9025	ng/mL	----
4_2-FTS-13C_IS	Auto	4.213	1404733	1404733	5	5.0000	ng/mL	----
4_2-FTS-13C	Auto	4.213	1404733	6831820	26	5.3300	ng/mL	----
4_2-FTS_1	Auto	4.219	881	1404733	5	0.0031	ng/mL	----
PFHpA	M	4.408	22422	6814211	8	-0.0041	ng/mL	----
PFHpA-13C_IS	Auto	4.423	6814211	6814211	8	5.0000	ng/mL	----
PFHpA-13C	Auto	4.423	6814211	6831820	26	5.6775	ng/mL	----
PFHxS-18O_IS	Auto	4.423	860887	860887	7	5.0000	ng/mL	----
PFHxS-18O	Auto	4.423	860887	6831820	26	6.1934	ng/mL	----
PFHxS_1	M	4.424	1751	860887	7	0.0074	ng/mL	----
6_2-FTS-13C	Auto	4.583	1095240	6831820	26	5.1413	ng/mL	----
6_2-FTS-13C_IS	Auto	4.583	1095240	1095240	10	5.0000	ng/mL	----
6_2-FTS_1	Auto	4.582	9613	1095240	10	0.0397	ng/mL	----
PFHpS_1	M	4.589	149	860887	7	0.0005	ng/mL	----
PFOA-13C_IS	Auto	4.596	9209244	9209244	9	5.0000	ng/mL	----
PFOA-13C	Auto	4.596	9209244	6831820	26	5.0952	ng/mL	----
PFOA	Auto	4.590	34288	9209244	9	-0.0032	ng/mL	----
PFOS_1	M	4.762	519	996679	13	0.0034	ng/mL	----
PFOS-13C_IS	Auto	4.763	996679	996679	13	5.0000	ng/mL	----
PFOS-13C	Auto	4.763	996679	6831820	26	5.2371	ng/mL	----
PFNA-13C_IS	Auto	4.776	6129326	6129326	11	5.0000	ng/mL	----
PFNA-13C	Auto	4.776	6129326	6831820	26	5.0276	ng/mL	----
PFNA	Auto	4.755	18807	6129326	11	-0.0037	ng/mL	----
PFDA-13C_IS	Auto	4.960	6163676	6163676	12	5.0000	ng/mL	----
PFDA-13C	Auto	4.960	6163676	6831820	26	5.3271	ng/mL	----
PFDA	M	4.951	17181	6163676	12	0.0136	ng/mL	----
8_2-FTS-13C_IS	Auto	4.954	758267	758267	15	5.0000	ng/mL	----
8_2-FTS-13C	Auto	4.954	758267	6831820	26	5.4938	ng/mL	----
8_2-FTS_1	Auto	4.954	360	758267	15	0.0028	ng/mL	----
PFDS_1	ND(W/B)	----	----	996679	13	----	ng/mL	----
PFUnA	Auto	5.136	22205	5903279	14	-0.0055	ng/mL	----
PFUnA-13C_IS	Auto	5.140	5903279	5903279	14	5.0000	ng/mL	----
PFUnA-13C	Auto	5.140	5903279	6831820	26	5.2806	ng/mL	----
PFDoA	M	5.314	9898	7944383	17	-0.0037	ng/mL	----
PFDoA-13C	Auto	5.314	7944383	6831820	26	5.0485	ng/mL	----
PFDoA-13C_IS	Auto	5.314	7944383	7944383	17	5.0000	ng/mL	----
10_2-FtS_1	Auto	5.314	115	758267	15	0.0012	ng/mL	----
PFTrDA	Auto	5.476	12867	6617828	22	0.0041	ng/mL	----
PFTeDA	Auto	5.626	67795	6617828	22	0.0044	ng/mL	----
PFTeDA-13C	Auto	5.627	6617828	6831820	26	5.0599	ng/mL	----
PFTeDA-13C_IS	Auto	5.627	6617828	6617828	22	5.0000	ng/mL	----
FOSA-13C_IS	Auto	5.251	2508973	2508973	18	5.0000	ng/mL	----
FOSA-13C	Auto	5.251	2508973	6831820	26	5.2198	ng/mL	----
FOSA	M	5.248	7197	2508973	18	0.0108	ng/mL	----
N-MeFOSAA	M	5.059	10516	1396612	19	0.0527	ng/mL	----
N-MeFOSAA-d3	Auto	5.057	1396612	6831820	26	5.2559	ng/mL	----
N-MeFOSAA-d3_IS	Auto	5.057	1396612	1396612	19	5.0000	ng/mL	----
N-MeFOSA-d3_IS	Auto	5.632	736776	736776	1	5.0000	ng/mL	----
N-MeFOSA-d3	Auto	5.632	736776	6831820	26	4.4033	ng/mL	----
N-MeFOSA	M	5.635	1644	736776	1	0.0065	ng/mL	----
N-MeFOSE-d7	Auto	5.602	1237462	6831820	26	4.7256	ng/mL	----
N-MeFOSE-d7_IS	Auto	5.602	1237462	1237462	20	5.0000	ng/mL	----
N-MeFOSE	M	5.603	938	1237462	20	0.0030	ng/mL	----
N-EtFOSAA	M	5.159	4848	1227934	21	0.0326	ng/mL	----

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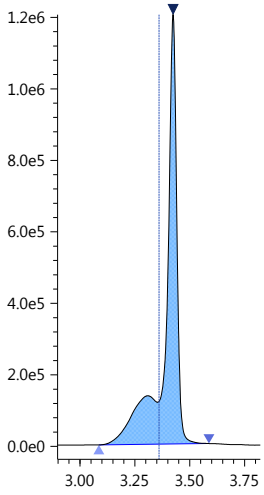
(Table continued from previous page)

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
N-EtFOSAA-d5_IS	Auto	5.154	1227934	1227934	21	5.0000	ng/mL	----
N-EtFOSAA-d5	Auto	5.154	1227934	6831820	26	5.6743	ng/mL	----
N-EtFOSA-d9_IS	Auto	5.766	1050052	1050052	23	5.0000	ng/mL	----
N-EtFOSA-d9	Auto	5.766	1050052	6831820	26	4.2892	ng/mL	----
N-EtFOSA	M	5.787	337	1050052	23	0.0073	ng/mL	----
N-EtFOSE-d9_IS	Auto	5.729	1050215	1050215	24	5.0000	ng/mL	----
N-EtFOSE-d9	Auto	5.729	1050215	6831820	26	4.5659	ng/mL	----
N-EtFOSE	M	5.741	706	1050215	24	0.0028	ng/mL	----
13C7-PFUnDA_IS	Auto	5.140	6831820	6831820	26	5.0000	ng/mL	----
PFPeS	M	4.224	104	1468895	16	0.0006	ng/mL	----
PFNS	Auto	4.945	292	996679	13	0.0023	ng/mL	----

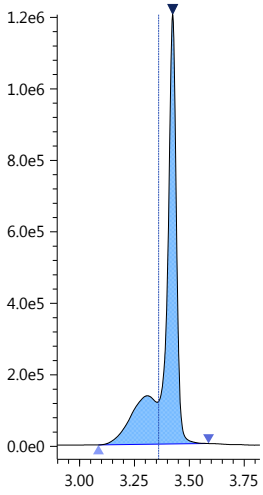
PFBA-13C_IS

Conc 5.0000
RT 3.424 Area 4342142
ISTD 216.90>172.15 (-) 1.21e6



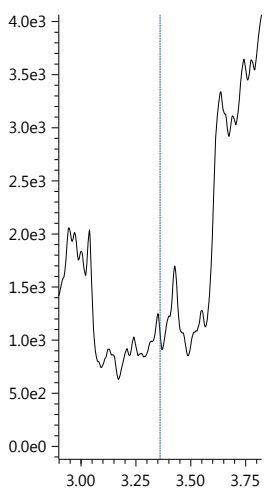
PFBA-13C

Conc 4.8897
RT 3.424 Area 4342142
Q 216.90>172.15 (-) 1.21e6



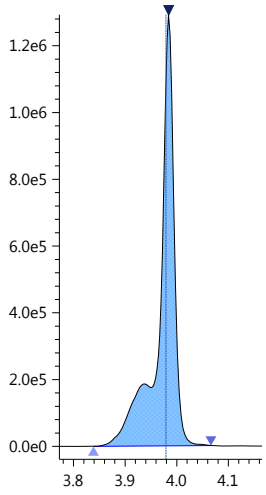
PFBA

Conc ----
RT ---- Area ----
Q 213.00>169.10 (-) 4.07e3



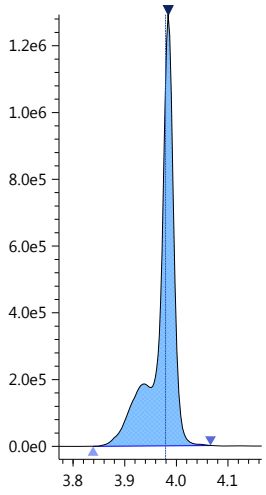
PFPeA-13C_IS

Conc 5.0000
RT 3.984 Area 2572183
ISTD 267.90>223.00 (-) 1.29e6



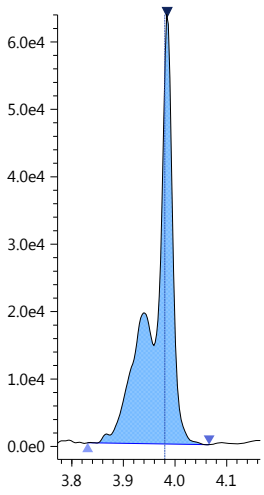
PFPeA-13C

Conc 4.8826
RT 3.984 Area 2572183
Q 267.90>223.00 (-) 1.29e6



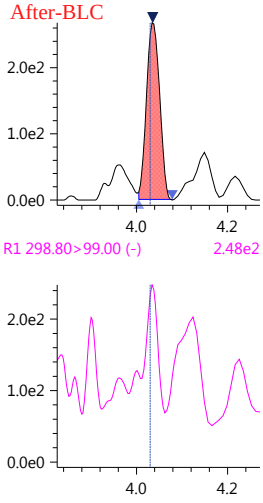
PFPeA

Conc -0.0026
RT 3.985 Area 156574
Q 263.05>219.10 (-) 6.40e4



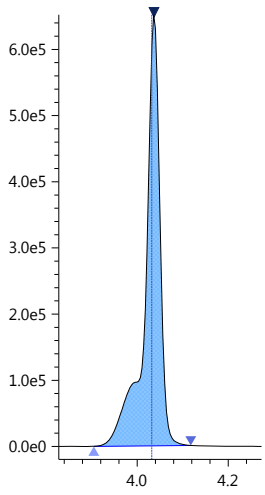
PFBS_1

Conc 0.0017
RT 4.036 Area 536
R#1 55.33 (0.00)
Q 299.00>80.00 (-) 2.68e2



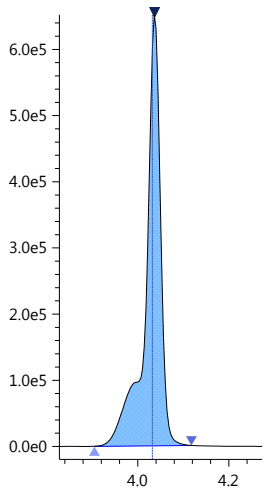
PFBS-13C

Conc 4.8388
RT 4.037 Area 1468895
Q 301.80>80.00 (-) 6.52e5



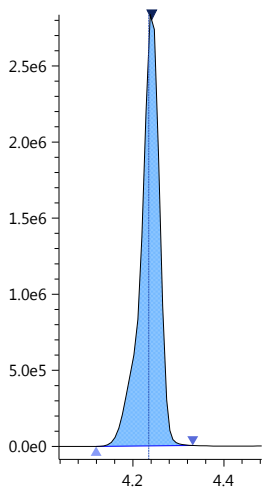
PFBS-13C_IS

Conc 5.0000
RT 4.037 Area 1468895
ISTD 301.80>80.00 (-) 6.52e5



PFHxA-13C_IS

Conc 5.0000
RT 4.241 Area 8102015
ISTD 314.90>270.10 (-) 2.84e6



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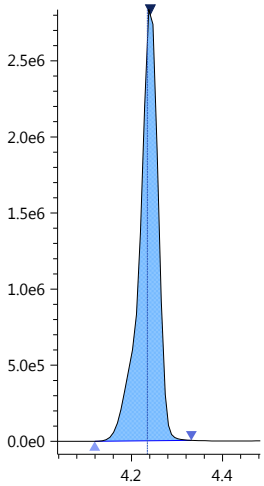
PFHxA-13C

Conc 5.8700
RT 4.241 Area 8102015

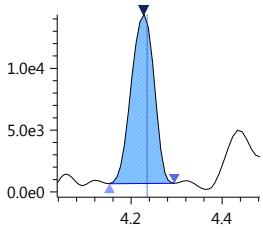
Q 314.90>270.10 (-) 2.84e6



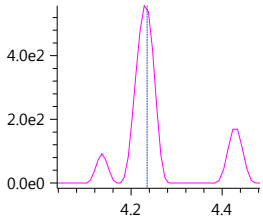
PFHxA

Conc -0.0050
RT 4.227 Area 48168
R#1 3.88 (0.00)

Q 313.00>269.00 (-) 1.43e4



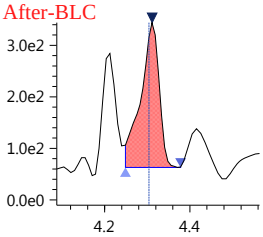
R1 313.00>119.10 (-) 5.57e2



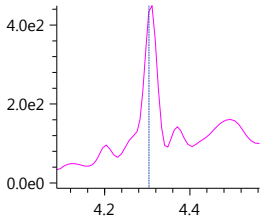
HPFO_DA

Conc 0.0031
RT 4.311 Area 841
R#1 129.43 (0.00)

Q 329.00>169.00 (-) 3.44e2



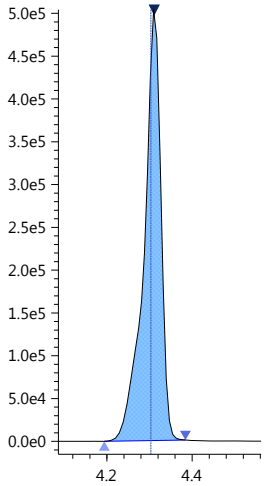
R1 329.00>285.10 (-) 4.49e2



HFPO_DA-13C_IS

Conc 5.0000
RT 4.311 Area 1387446

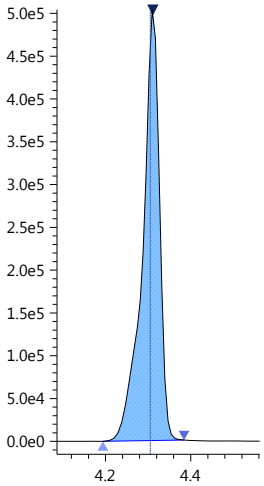
ISTD 332.00>286.80 (-) 5.04e5



HFPO_DA-13C

Conc 4.9025
RT 4.311 Area 1387446

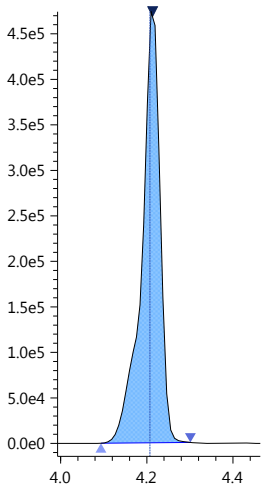
Q 332.00>286.80 (-) 5.04e5



4_2-FTS-13C_IS

Conc 5.0000
RT 4.213 Area 1404733

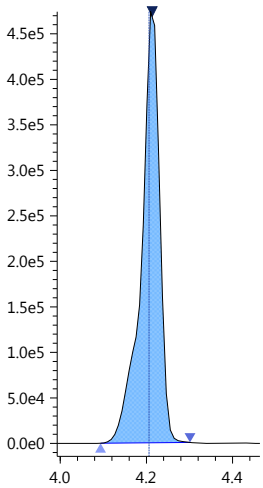
ISTD 328.80>309.05 (-) 4.74e5



4_2-FTS-13C

Conc 5.3300
RT 4.213 Area 1404733

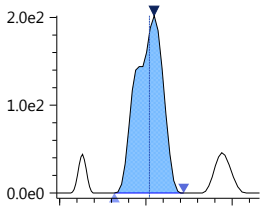
Q 328.80>309.05 (-) 4.74e5



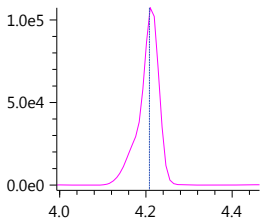
4_2-FTS_1

Conc 0.0031
RT 4.219 Area 881
R#1 49055.28 (0.00)

Q 327.00>307.05 (-) 2.02e2



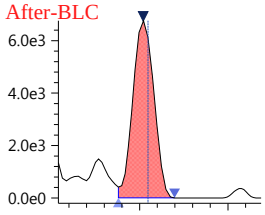
R1 327.00>81.10 (-) 1.07e5



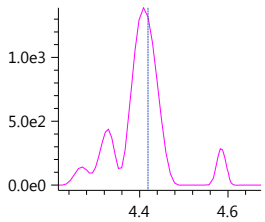
PFHpA

Conc -0.0041
RT 4.408 Area 22422
R#1 20.58 (0.00)

Q 362.90>319.00 (-) 6.76e3



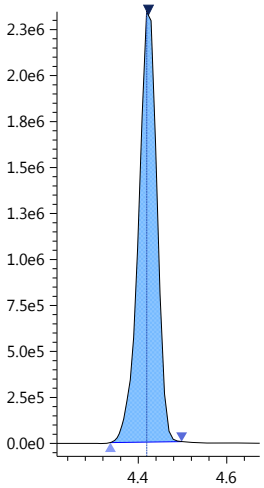
R1 362.90>169.00 (-) 1.39e3



PFHpA-13C_IS

Conc 5.0000
RT 4.423 Area 6814211

ISTD 366.90>322.10 (-) 2.35e6



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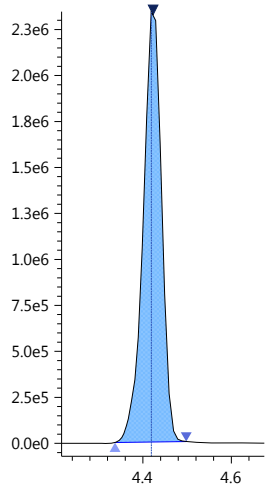
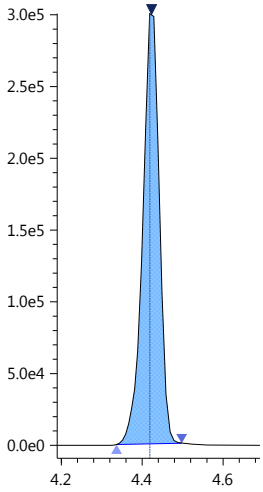
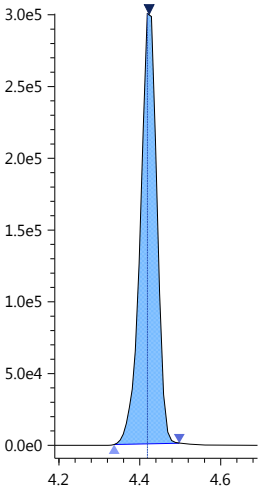
PFHpA-13C
Conc 5.6775
RT 4.423 Area 6814211
Q 366.90>322.10 (-) 2.35e6



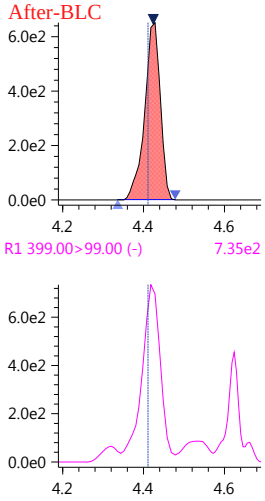
PFHxS-18O_IS
Conc 5.0000
RT 4.423 Area 860887
ISTD 402.70>84.05 (-) 3.01e5



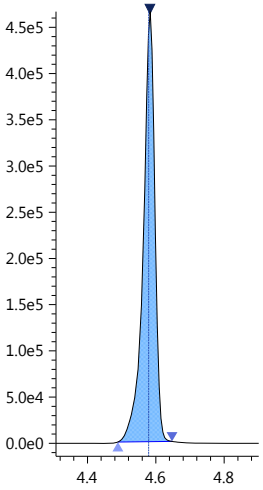
PFHxS-18O
Conc 6.1934
RT 4.423 Area 860887
Q 402.70>84.05 (-) 3.01e5



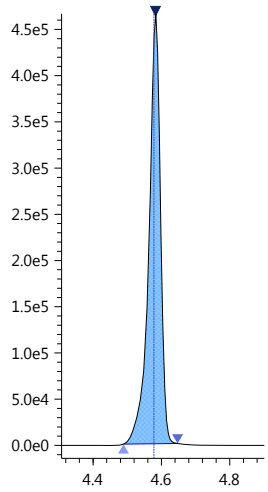
PFHxS_1
Conc 0.0074
RT 4.424 Area 1751
R#1 103.06 (0.00)
Q 399.00>80.00 (-) 6.52e2



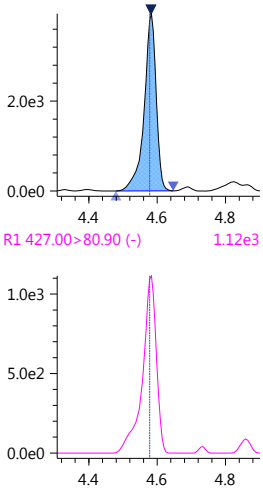
6_2-FTS-13C
Conc 5.1413
RT 4.583 Area 1095240
Q 428.90>409.00 (-) 4.67e5



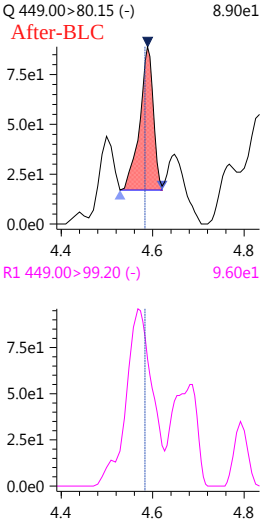
6_2-FTS-13C_IS
Conc 5.0000
RT 4.583 Area 1095240
ISTD 428.90>409.00 (-) 4.67e5



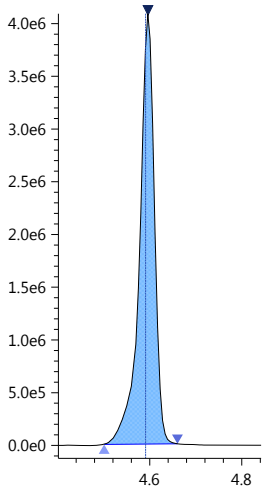
6_2-FTS_1
Conc 0.0397
RT 4.582 Area 9613
R#1 27.99 (0.00)
Q 427.00>407.00 (-) 3.95e3



PFHpS_1
Conc 0.0005
RT 4.589 Area 149
R#1 62.65 (0.00)
Q 449.00>80.15 (-) 8.90e1



PFOA-13C_IS
Conc 5.0000
RT 4.596 Area 9209244
ISTD 416.80>372.05 (-) 4.09e6



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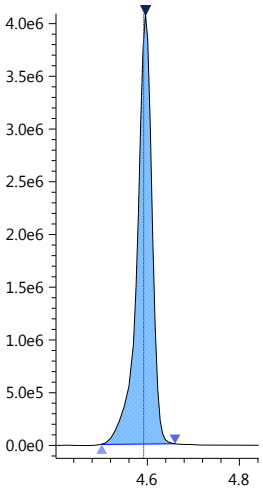
Conc 5.0952
RT 4.596 Area 9209244
Q 416.80>372.05 (-) 4.09e6



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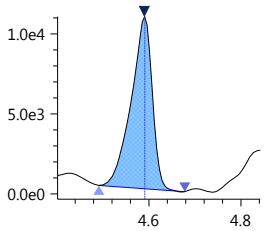
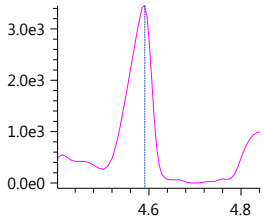
PFOA
Conc -0.0032
RT 4.590 Area 34288
R#1 30.44 (0.00)

Q 413.00>369.00 (-) 1.11e4

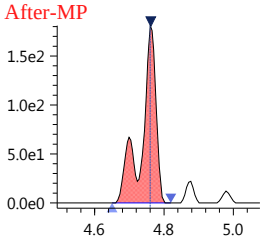


R1 413.00>169.10 (-) 3.45e3

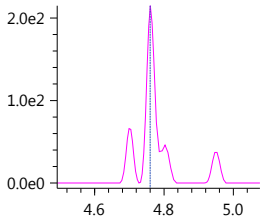


PFOS_1
Conc 0.0034
RT 4.762 Area 519
R#1 119.50 (0.00)

Q 499.00>80.00 (-) 1.81e2

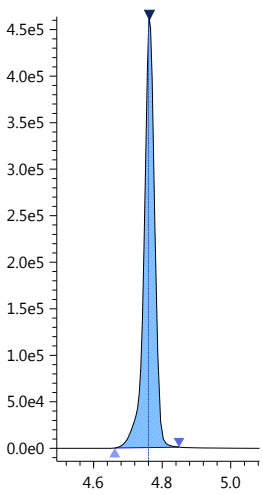


R1 499.00>99.00 (-) 2.15e2



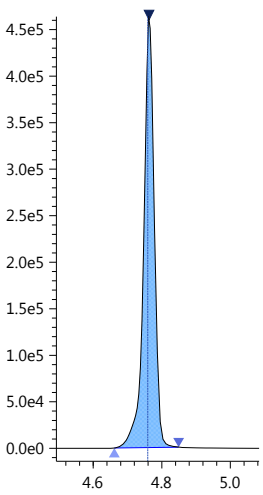
PFOS-13C_IS
Conc 5.0000
RT 4.763 Area 996679

ISTD 502.80>80.05 (-) 4.64e5



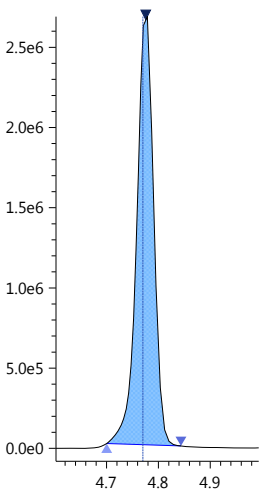
PFOS-13C
Conc 5.2371
RT 4.763 Area 996679

Q 502.80>80.05 (-) 4.64e5



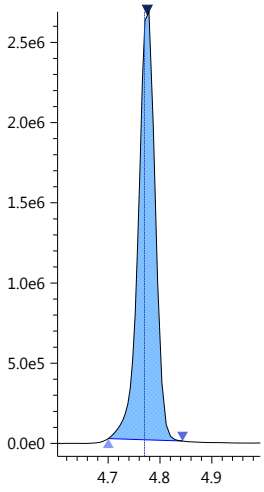
PFNA-13C_IS
Conc 5.0000
RT 4.776 Area 6129326

ISTD 467.80>423.00 (-) 2.69e6



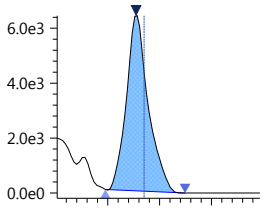
PFNA-13C
Conc 5.0276
RT 4.776 Area 6129326

Q 467.80>423.00 (-) 2.69e6

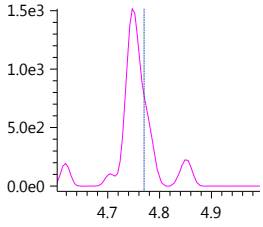


PFNA
Conc -0.0037
RT 4.755 Area 18807
R#1 16.90 (0.00)

Q 463.00>418.90 (-) 6.46e3

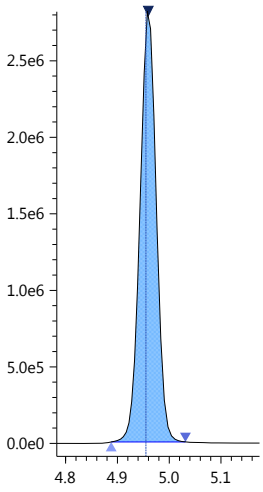


R1 463.00>219.00 (-) 1.52e3



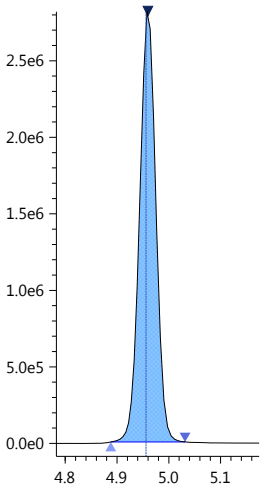
PFDA-13C_IS
Conc 5.0000
RT 4.960 Area 6163676

ISTD 514.80>469.95 (-) 2.82e6



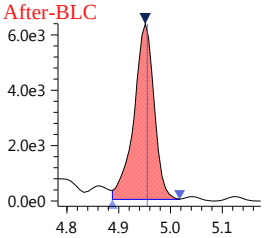
PFDA-13C
Conc 5.3271
RT 4.960 Area 6163676

Q 514.80>469.95 (-) 2.82e6

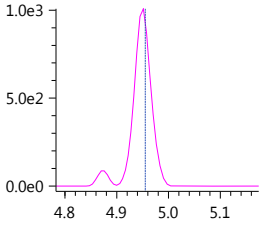


PFDA
Conc 0.0136
RT 4.951 Area 17181
R#1 16.26 (0.00)

Q 513.00>468.80 (-) 6.40e3



R1 513.00>219.10 (-) 1.01e3



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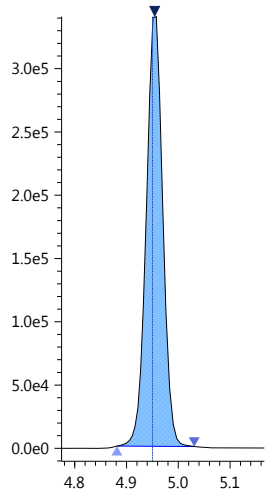
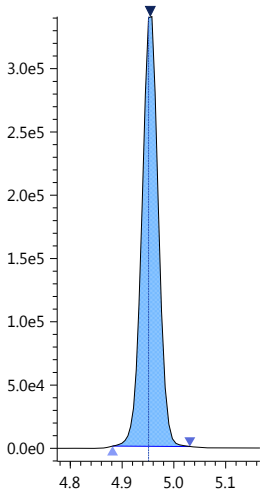
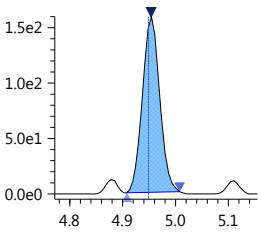
8_2-FTS-13C_IS
Conc 5.0000
RT 4.954 Area 758267
ISTD 528.80>509.00 (-) 3.41e5



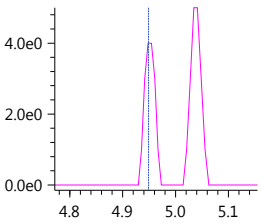
8_2-FTS-13C
Conc 5.4938
RT 4.954 Area 758267
Q 528.80>509.00 (-) 3.41e5



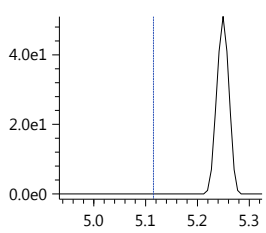
8_2-FTS_1
Conc 0.0028
RT 4.954 Area 360
R#1 2.98 (6.32)
Q 527.10>506.90 (-) 1.60e2



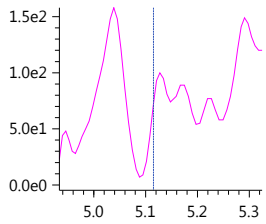
R1 527.20>487.00 (-) 5.00e0



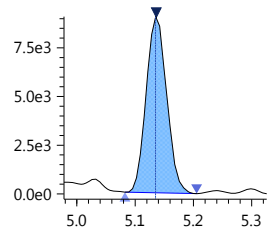
PFDS_1
Conc ----
RT ---- Area ----
R#1 ---- (0.00)
Q 599.00>79.90 (-) 5.10e1



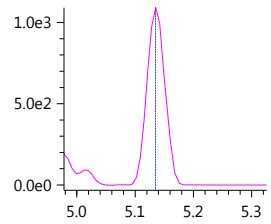
R1 599.00>99.10 (-) 1.58e2



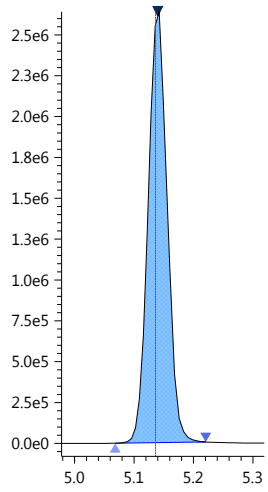
PFUnA
Conc -0.0055
RT 5.136 Area 22205
R#1 12.10 (0.00)
Q 563.00>518.90 (-) 9.10e3



R1 563.00>219.00 (-) 1.09e3



PFUnA-13C_IS
Conc 5.0000
RT 5.140 Area 5903279
ISTD 564.80>519.95 (-) 2.64e6



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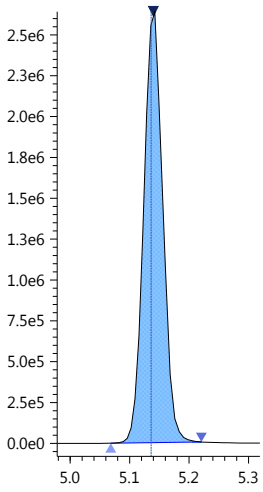
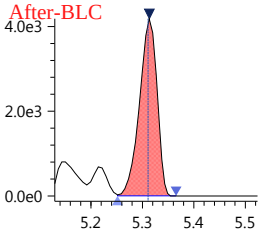
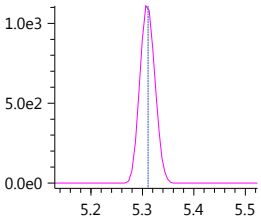
Conc 5.2806
RT 5.140 Area 5903279
Q 564.80>519.95 (-) 2.64e6



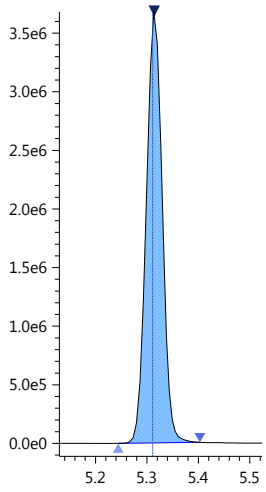
PFDoA
Conc -0.0037
RT 5.314 Area 9898
R#1 25.95 (0.00)
Q 613.05>569.00 (-) 4.18e3



R1 613.05>169.00 (-) 1.11e3



PFDoA-13C
Conc 5.0485
RT 5.314 Area 7944383
Q 614.80>569.95 (-) 3.68e6



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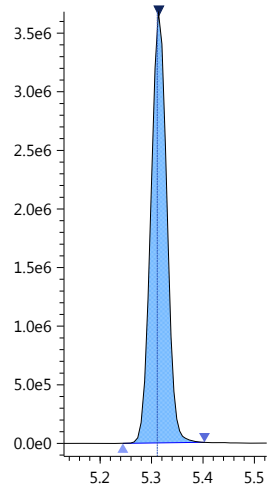
Conc 5.0000
RT 5.314 Area 7944383
ISTD 614.80>569.95 (-) 3.68e6



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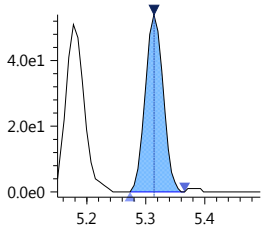
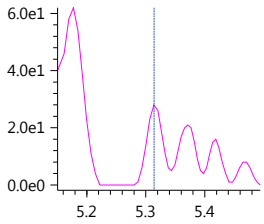
10_2-FtS_1

Conc 0.0012
RT 5.314 Area 115
R#1 35.09 (0.00)

Q 627.00>606.95 (-) 5.40e1



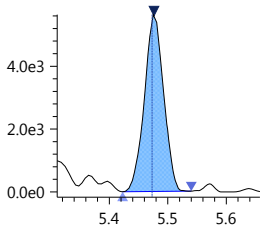
R1 627.00>81.25 (-) 6.20e1



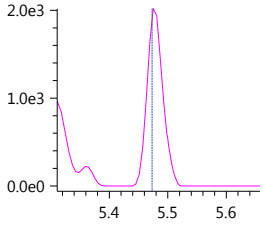
PFTrDA

Conc 0.0041
RT 5.476 Area 12867
R#1 36.57 (0.00)

Q 663.00>618.90 (-) 5.64e3



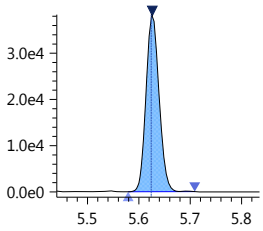
R1 662.90>169.00 (-) 2.02e3



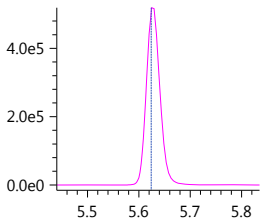
PFTeDA

Conc 0.0044
RT 5.626 Area 67795
R#1 1336.45 (0.00)

Q 713.40>669.00 (-) 3.84e4



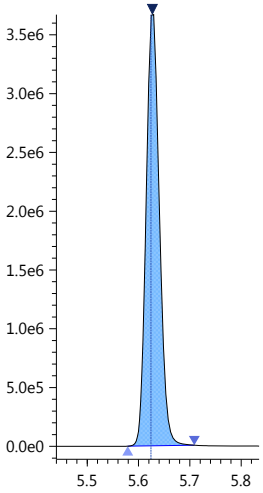
R1 713.40>169.10 (-) 5.19e5



PFTeDA-13C

Conc 5.0599
RT 5.627 Area 6617828

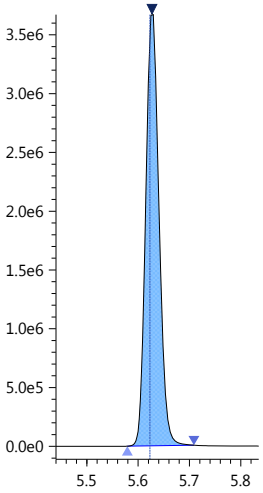
Q 714.70>669.90 (-) 3.67e6



PFTeDA-13C_IS

Conc 5.0000
RT 5.627 Area 6617828

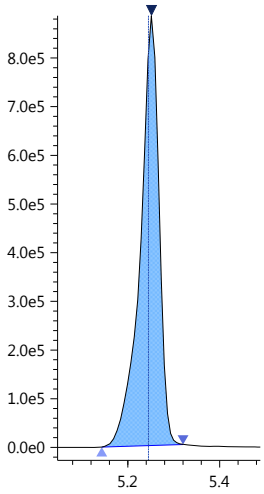
ISTD 714.70>669.90 (-) 3.67e6



FOSA-13C_IS

Conc 5.0000
RT 5.251 Area 2508973

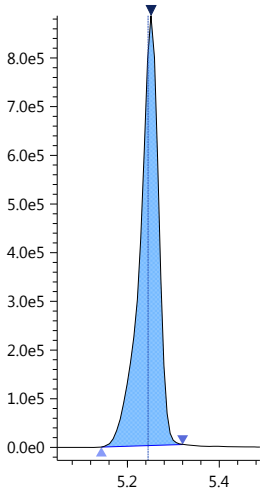
ISTD 506.00>78.05 (-) 8.87e5



FOSA-13C

Conc 5.2198
RT 5.251 Area 2508973

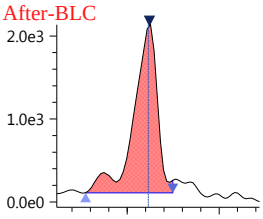
Q 506.00>78.05 (-) 8.87e5



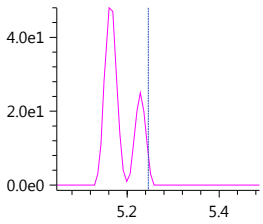
FOSA

Conc 0.0108
RT 5.248 Area 7197
R#1 0.59 (0.00)

Q 498.20>78.00 (-) 2.14e3



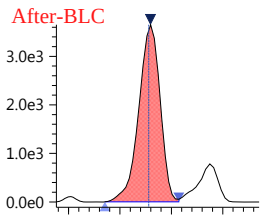
R1 498.20>64.10 (-) 4.80e1



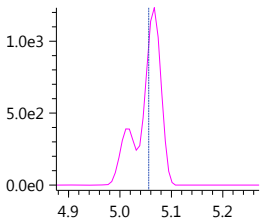
N-MeFOSAA

Conc 0.0527
RT 5.059 Area 10516
R#1 31.53 (0.00)

Q 570.20>419.00 (-) 3.65e3



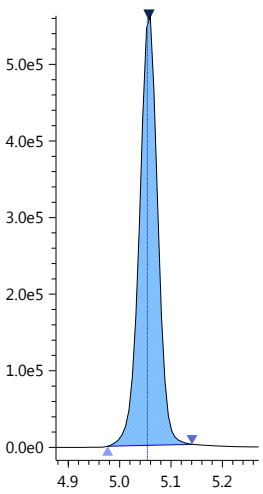
R1 570.20>512.00 (-) 1.23e3



N-MeFOSAA-d3

Conc 5.2559
RT 5.057 Area 1396612

Q 572.80>419.05 (-) 5.63e5



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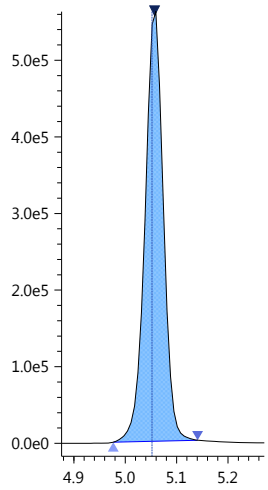
N-MeFOSAA-d3_IS
Conc 5.0000
RT 5.057 Area 1396612
ISTD 572.80>419.05 (-) 5.63e5



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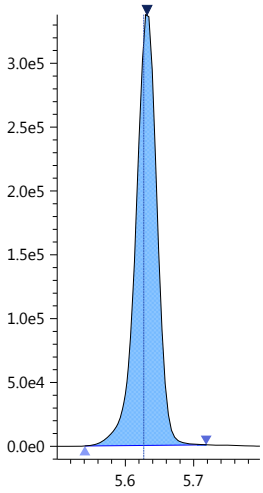
Conc 5.0000
RT 5.632 Area 736776
ISTD 514.90>168.90 (-) 3.38e5



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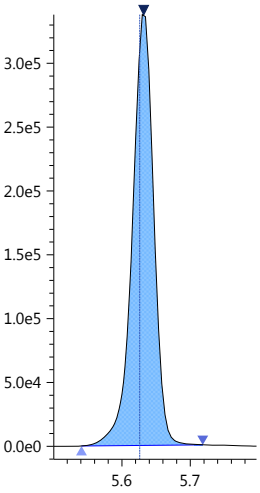
Conc 4.4033
RT 5.632 Area 736776
Q 514.90>168.90 (-) 3.38e5



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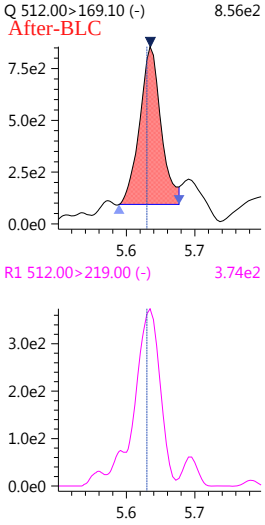
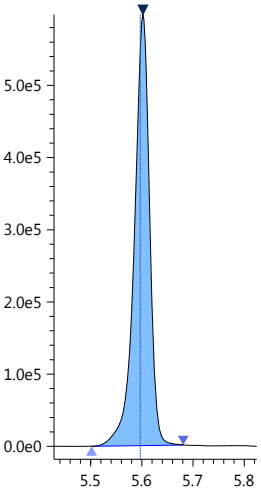
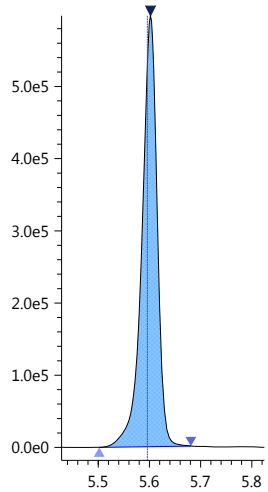
Conc 0.0065
RT 5.635 Area 1644
R#1 40.94 (0.00)
Q 512.00>169.10 (-) 8.56e2



N-MeFOSE-d7
Conc 4.7256
RT 5.602 Area 1237462
Q 622.70>59.10 (-) 5.98e5



N-MeFOSE-d7_IS
Conc 5.0000
RT 5.602 Area 1237462
ISTD 622.70>59.10 (-) 5.98e5



N-MeFOSE
Conc 0.0030
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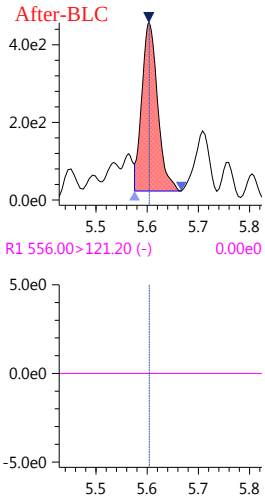
Q 616.00>59.00 (-) 4.57e2



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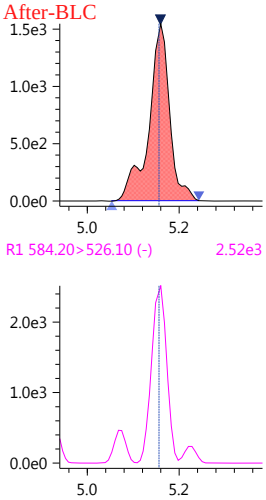
RT 5.159 Area 4848
R#1 159.14 (0.00)
Q 584.20>418.95 (-) 1.55e3



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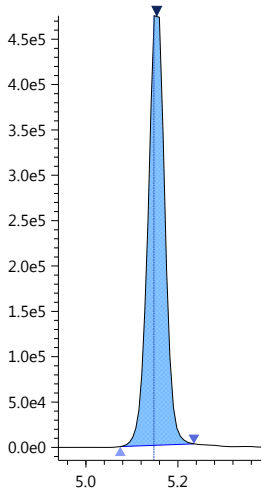
Conc 5.0000
RT 5.154 Area 1227934
ISTD 588.80>419.00 (-) 4.76e5



N-EtFOSAA-d5
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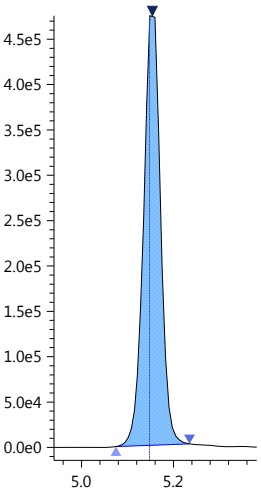
Q 588.80>419.00 (-) 4.76e5



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N-EtFOSA-d9_IS

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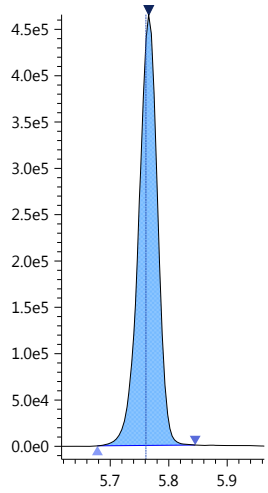
ISTD 530.90>169.15 (-) 4.66e5



N-EtFOSA-d9

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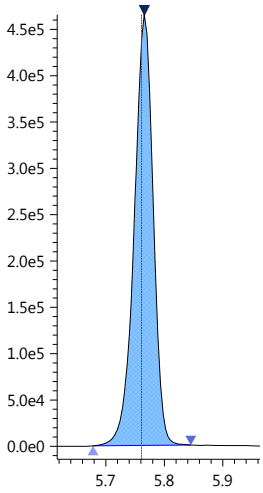
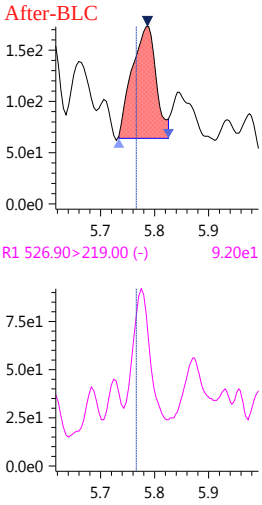
Q 530.90>169.15 (-) 4.66e5



N-EtFOSA

Conc 0.0073
RT 5.787 Area 337
R#1 45.28 (0.00)

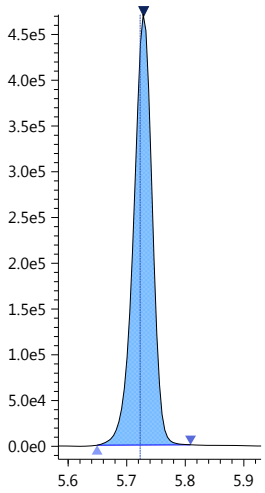
Q 526.90>169.10 (-) 1.73e2



N-EtFOSE-d9_IS

Conc 5.0000
RT 5.729 Area 1050215

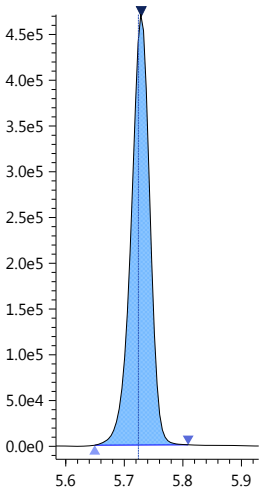
ISTD 638.70>59.10 (-) 4.72e5



N-EtFOSE-d9

Conc 4.5659
RT 5.729 Area 1050215

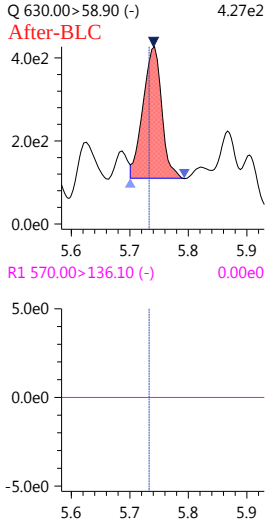
Q 638.70>59.10 (-) 4.72e5



N-EtFOSE

Conc 0.0028
RT 5.741 Area 706
R#1 0.00 (0.00)

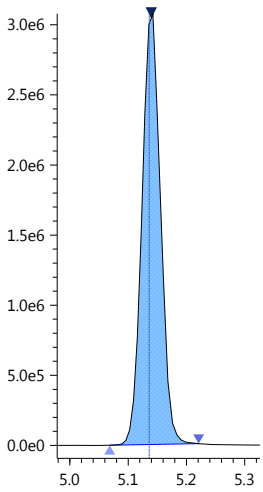
Q 630.00>58.90 (-) 4.27e2



13C7-PFUnDA_IS

Conc 5.0000
RT 5.140 Area 6831820

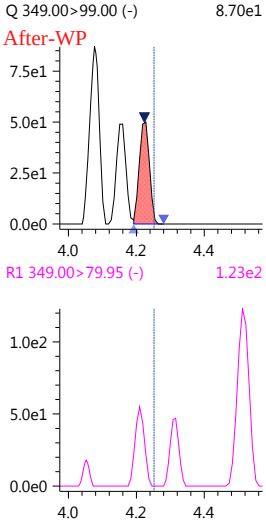
ISTD 570.00>525.00 (-) 3.08e6



PFPeS

Conc 0.0006
RT 4.224 Area 104
R#1 58.33 (0.00)

Q 349.00>99.00 (-) 8.70e1



PFNS

Conc 0.0023
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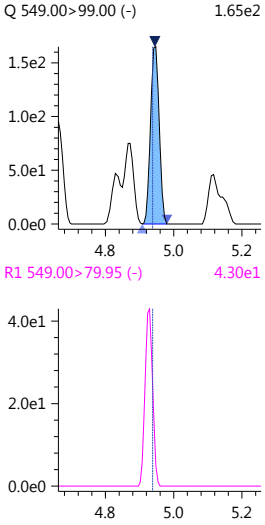
Q 549.00>99.00 (-) 1.65e2



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Printed at 6/25/2019 10:11:56 AM

190621_029

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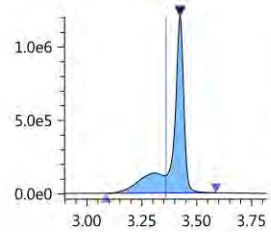
Date acquired: 6/24/2019 7:39:35 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190624_curve\190621_029.lcd
Vial: 25 | Inj. Volume: 15.0000uL | Tray: 1

PFBA-13C_IS
Conc 5.0000
RT 3.424 Area 4342142
ISTD 216.90>172.15 (-) 1.21e6



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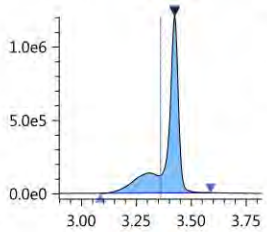
Q 216.90>172.15 (-) 1.21e6



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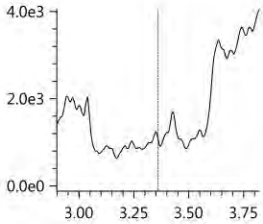
Conc ----
RT ---- Area ----
Q 213.00>169.10 (-) 4.07e3



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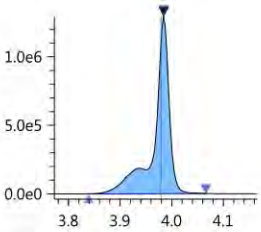
Conc 5.0000
RT 3.984 Area 2572183
ISTD 267.90>223.00 (-) 1.29e6



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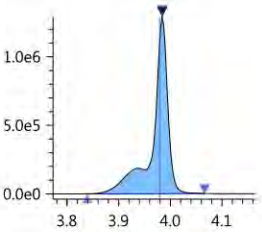

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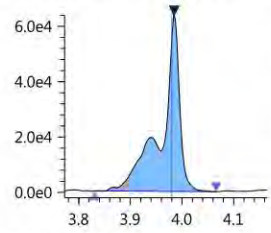

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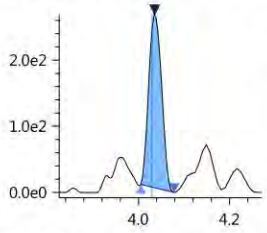
Conc 0.0016
RT 4.036 Area 514
Q 299.00>80.00 (-) 2.68e2



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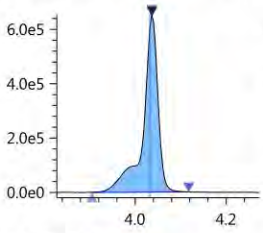
Conc 4.8388
RT 4.037 Area 1468895
Q 301.80>80.00 (-) 6.52e5



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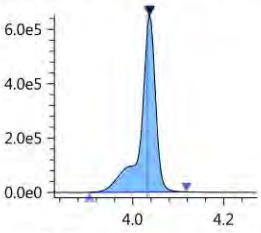

PFHxA-13C_IS
Conc 5.0000
RT 4.241 Area 8102015
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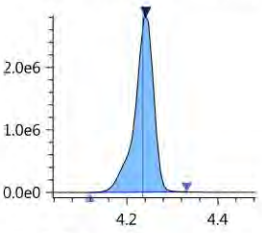

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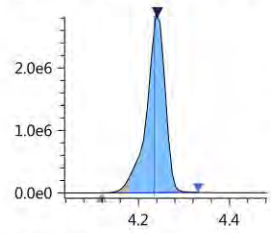
Q 314.90>270.10 (-) 2.84e6



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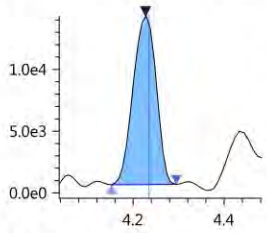
Conc 0.0231
RT 4.227 Area 48168
Q 313.00>269.00 (-) 1.43e4



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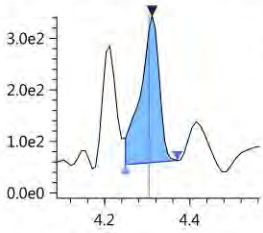
Conc 0.0032
RT 4.311 Area 871
Q 329.00>169.00 (-) 3.44e2



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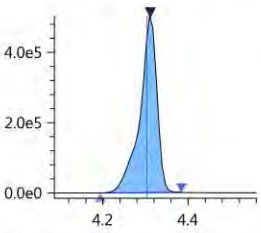
ISTD 332.00>286.80 (-) 5.04e5



HFPO_DA-13C
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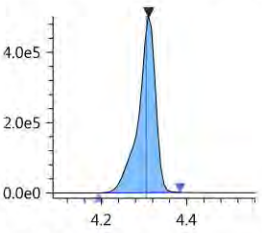
Q 332.00>286.80 (-) 5.04e5



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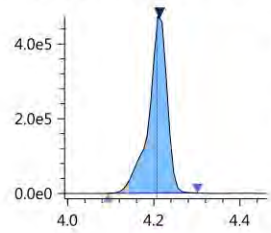

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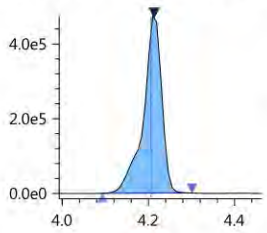
Q 328.80>309.05 (-) 4.74e5



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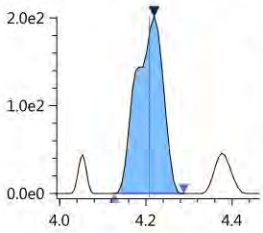
RT 4.219 Area 881
Q 327.00>307.05 (-) 2.02e2



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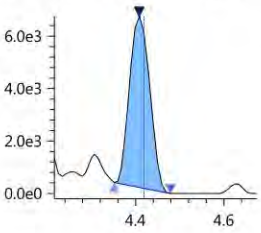
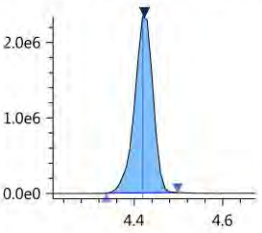


PFHpA-13C_IS
Conc 5.0000
RT 4.423 Area 6814211
ISTD 366.90>322.10 (-) 2.35e6



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Conc 5.6775
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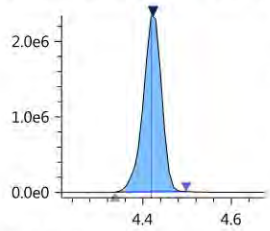

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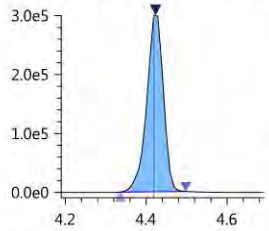
ISTD 402.70>84.05 (-) 3.01e5



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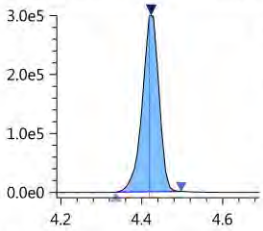

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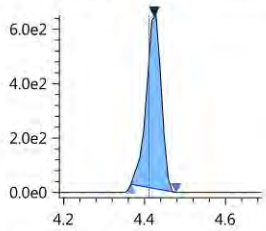

6_2-FTS-13C
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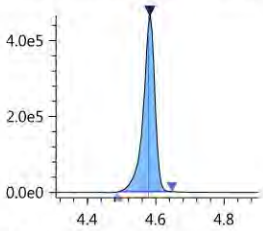
Q 428.90>409.00 (-) 4.67e5



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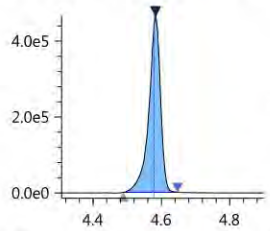
ISTD 428.90>409.00 (-) 4.67e5



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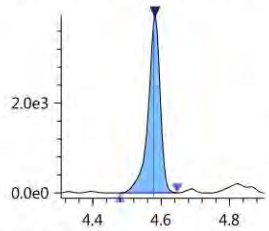
Q 427.00>407.00 (-) 3.95e3



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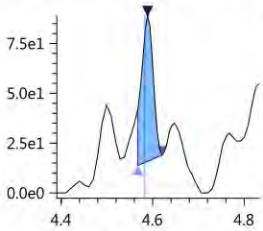
Q 449.00>80.15 (-) 8.90e1



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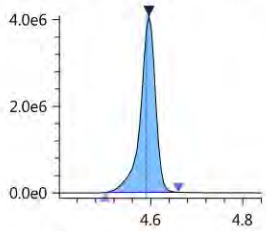
Conc 5.0000
RT 4.596 Area 9209244
ISTD 416.80>372.05 (-) 4.09e6



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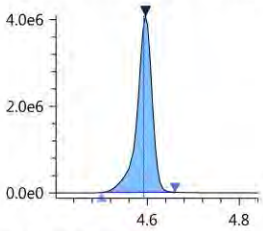

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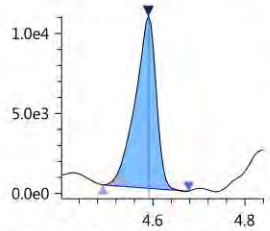

PFOS_1
Conc ----
RT ---- Area ----
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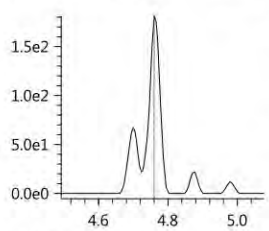

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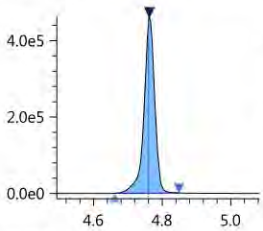

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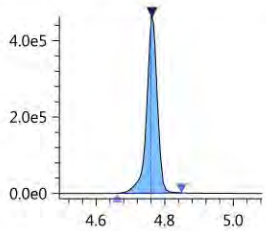

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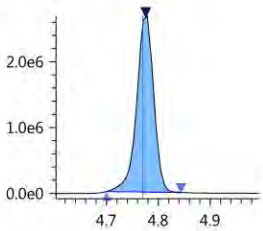

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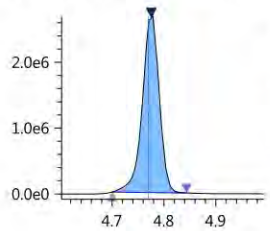
Q 467.80>423.00 (-) 2.69e6



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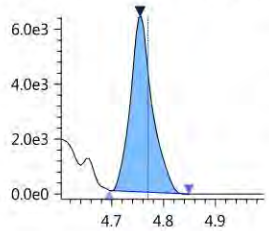

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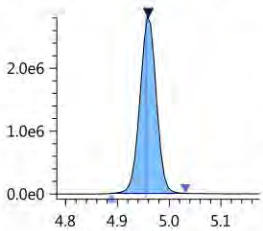

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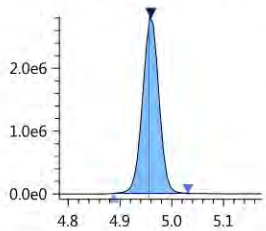

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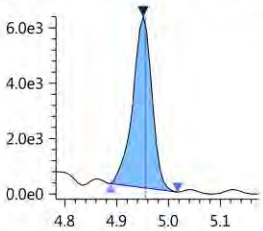

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8_2-FTS-13C_IS
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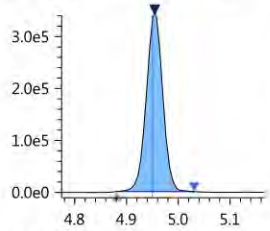
ISTD 528.80>509.00 (-) 3.41e5



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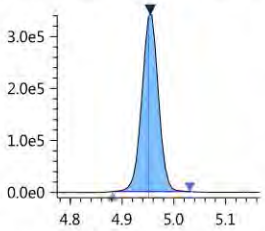

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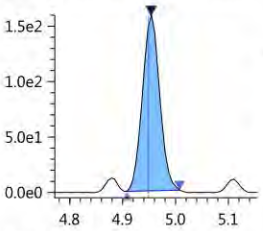

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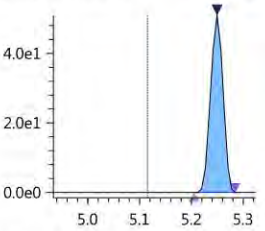

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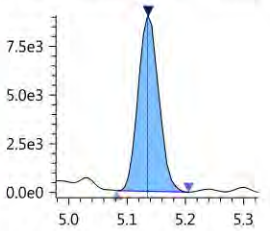

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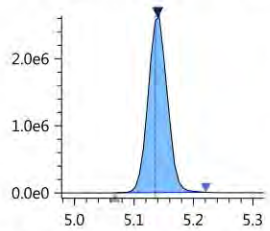

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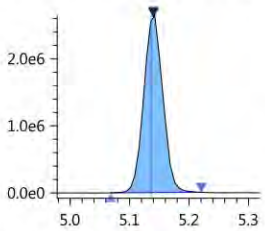

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Conc 0.0103
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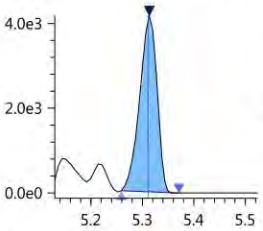
Q 613.05>569.00 (-) 4.18e3



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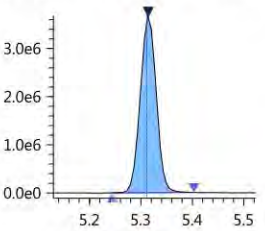

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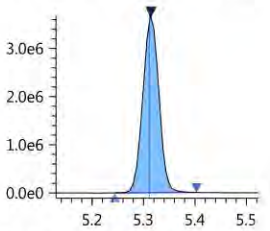

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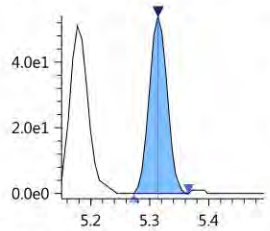

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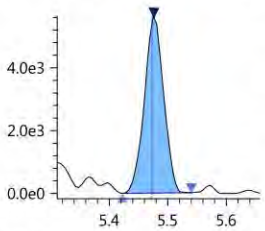

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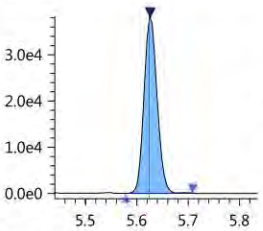

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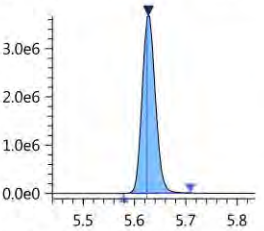

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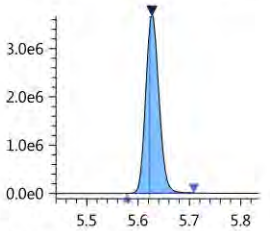

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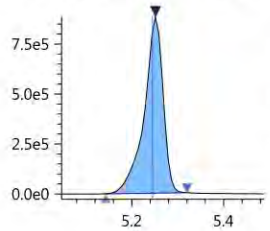
RT 5.251 Area 2508973
ISTD 506.00>78.05 (-) 8.87e5



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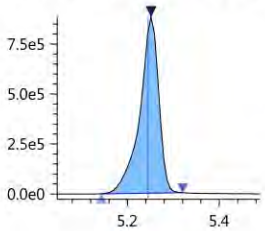

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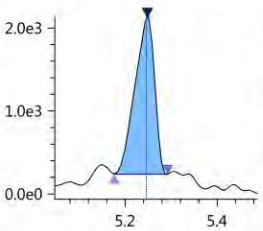
RT 5.248 Area 5640
Q 498.20>78.00 (-) 2.14e3



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Conc 0.0514
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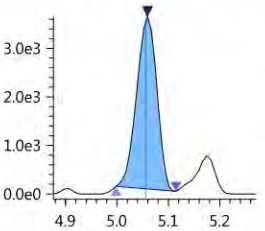
Q 570.20>419.00 (-) 3.65e3



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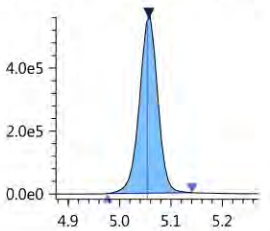

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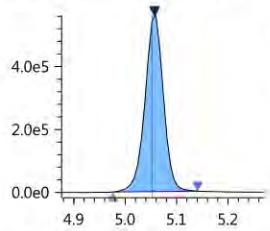

N-MeFOSA-d3_IS
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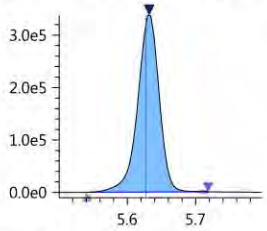

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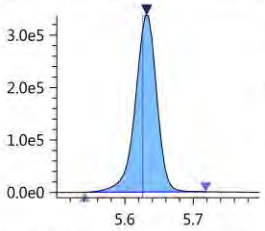
Q 514.90>168.90 (-) 3.38e5



N-MeFOSA
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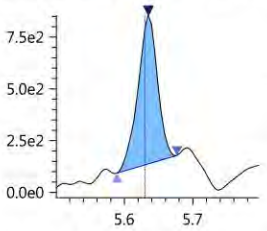
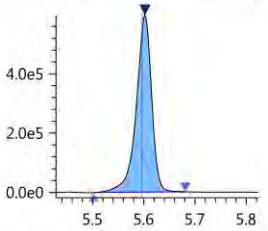
RT 5.635 Area 1426
Q 512.00>169.10 (-) 8.56e2



N-MeFOSE-d7
Conc 4.7256
RT 5.602 Area 1237462
Q 622.70>59.10 (-) 5.98e5



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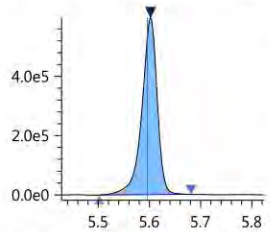
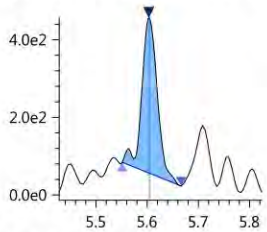
Conc 5.0000
RT 5.602 Area 1237462
ISTD 622.70>59.10 (-) 5.98e5



N-MeFOSE
Conc 0.0027
RT 5.603 Area 844
Q 616.00>59.00 (-) 4.57e2



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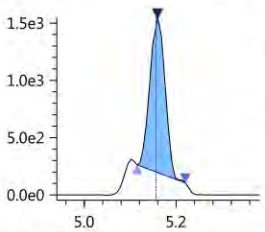
Conc 0.0217
RT 5.159 Area 3109
Q 584.20>418.95 (-) 1.55e3



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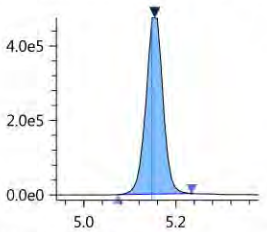
RT 5.154 Area 1227934
ISTD 588.80>419.00 (-) 4.76e5



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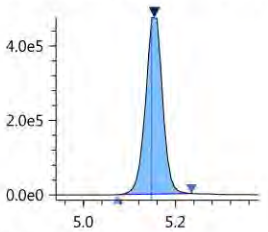
Conc 5.6743
RT 5.154 Area 1227934
Q 588.80>419.00 (-) 4.76e5



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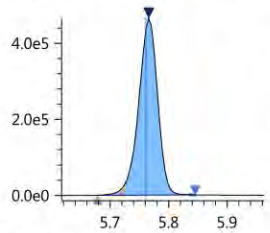
Conc 5.0000
RT 5.766 Area 1050052
ISTD 530.90>169.15 (-) 4.66e5



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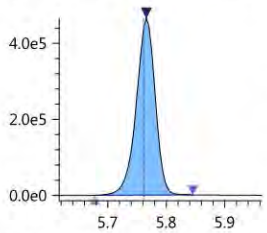
Conc 4.2892
RT 5.766 Area 1050052
Q 530.90>169.15 (-) 4.66e5



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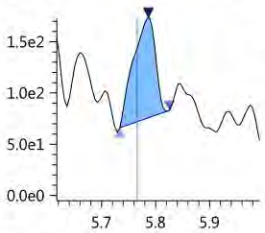
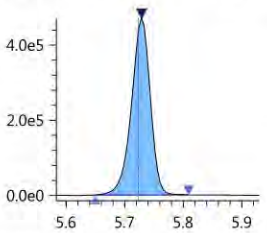
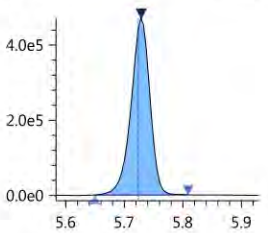
Conc 0.0061
RT 5.787 Area 279
Q 526.90>169.10 (-) 1.73e2



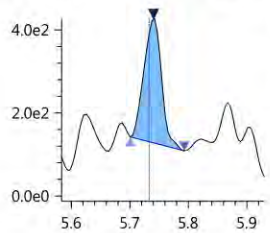
N-EtFOSE-d9_IS
Conc 5.0000
RT 5.729 Area 1050215
ISTD 638.70>59.10 (-) 4.72e5



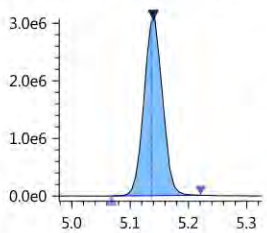
N-EtFOSE-d9
Conc 4.5659
RT 5.729 Area 1050215
Q 638.70>59.10 (-) 4.72e5



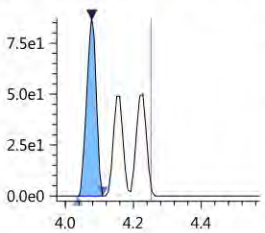
N-EtFOSE
Conc 0.0024
RT 5.741 Area 620
Q 630.00>58.90 (-) 4.27e2



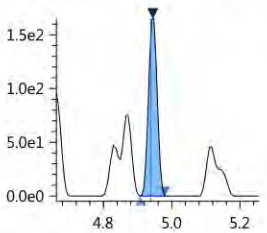
13C7-PFUnDA_IS
Conc 5.0000
RT 5.140 Area 6831820
ISTD 570.00>525.00 (-) 3.08e6



PFPeS
Conc 0.0011
RT 4.078 Area 170
Q 349.00>99.00 (-) 8.70e1



PFNS
Conc 0.0023
RT 4.945 Area 292
Q 549.00>99.00 (-) 1.65e2



Insight Report

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190621_030

Sample ID: 1.0 PPB ICV
Date acquired: 6/24/2019 7:50:03 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190624_curve\190621_030.lcd
Vial: 35 | Inj. Volume: 15.0000uL | Tray: 1

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
PFBA-13C_IS	Auto	3.416	4179573	4179573	2	5.0000	ng/mL	5.0000
PFBA-13C	Auto	3.416	4179573	7255399	26	4.4318	ng/mL	5.0000
PFBA	Auto	3.419	857607	4179573	2	1.0014	ng/mL	1.0000
PFPeA-13C_IS	Auto	3.977	2534168	2534168	4	5.0000	ng/mL	5.0000
PFPeA-13C	Auto	3.977	2534168	7255399	26	4.5296	ng/mL	5.0000
PFPeA	Auto	3.978	1405848	2534168	4	1.0054	ng/mL	1.0000
PFBS_1	Auto	4.028	267053	1442599	16	0.8450	ng/mL	0.8874
PFBS-13C	Auto	4.029	1442599	7255399	26	4.4747	ng/mL	5.0000
PFBS-13C_IS	Auto	4.029	1442599	1442599	16	5.0000	ng/mL	5.0000
PFHxA-13C_IS	Auto	4.234	6473903	6473903	6	5.0000	ng/mL	5.0000
PFHxA-13C	Auto	4.234	6473903	7255399	26	4.4166	ng/mL	5.0000
PFHxA	Auto	4.234	1560105	6473903	6	1.0457	ng/mL	1.0000
HPFO_DA	Auto	4.305	221066	1351413	3	0.8397	ng/mL	1.0000
HFPO_DA-13C_IS	Auto	4.305	1351413	1351413	3	5.0000	ng/mL	5.0000
HFPO_DA-13C	Auto	4.305	1351413	7255399	26	4.4964	ng/mL	5.0000
4_2-FTS-13C_IS	Auto	4.206	1263643	1263643	5	5.0000	ng/mL	5.0000
4_2-FTS-13C	Auto	4.206	1263643	7255399	26	4.5148	ng/mL	5.0000
4_2-FTS_1	Auto	4.206	232405	1263643	5	0.8985	ng/mL	0.9372
PFHpA	Auto	4.417	1100295	5199944	8	1.0536	ng/mL	1.0000
PFHpA-13C_IS	Auto	4.417	5199944	5199944	8	5.0000	ng/mL	5.0000
PFHpA-13C	Auto	4.417	5199944	7255399	26	4.0796	ng/mL	5.0000
PFHxS-18O_IS	Auto	4.417	580301	580301	7	5.0000	ng/mL	5.0000
PFHxS-18O	Auto	4.417	580301	7255399	26	3.9311	ng/mL	5.0000
PFHxS_1	Auto	4.414	145227	580301	7	0.9138	ng/mL	0.9131
6_2-FTS-13C	Auto	4.576	1073251	7255399	26	4.7440	ng/mL	5.0000
6_2-FTS-13C_IS	Auto	4.576	1073251	1073251	10	5.0000	ng/mL	5.0000
6_2-FTS_1	Auto	4.576	224105	1073251	10	0.9437	ng/mL	0.9512
PFHpS_1	Auto	4.582	216849	580301	7	1.0665	ng/mL	0.9534
PFOA-13C_IS	Auto	4.590	9073112	9073112	9	5.0000	ng/mL	5.0000
PFOA-13C	Auto	4.590	9073112	7255399	26	4.7268	ng/mL	5.0000
PFOA	Auto	4.590	1553479	9073112	9	0.9987	ng/mL	1.0000
PFOS_1	Auto	4.759	130692	979045	13	0.8578	ng/mL	0.9292
PFOS-13C_IS	Auto	4.759	979045	979045	13	5.0000	ng/mL	5.0000
PFOS-13C	Auto	4.759	979045	7255399	26	4.8441	ng/mL	5.0000
PFNA-13C_IS	Auto	4.770	6279978	6279978	11	5.0000	ng/mL	5.0000
PFNA-13C	Auto	4.770	6279978	7255399	26	4.8504	ng/mL	5.0000
PFNA	Auto	4.770	1072997	6279978	11	1.0067	ng/mL	1.0000
PFDA-13C_IS	Auto	4.954	5881550	5881550	12	5.0000	ng/mL	5.0000
PFDA-13C	Auto	4.954	5881550	7255399	26	4.7865	ng/mL	5.0000
PFDA	Auto	4.954	1182025	5881550	12	0.9823	ng/mL	1.0000
8_2-FTS-13C_IS	Auto	4.949	706345	706345	15	5.0000	ng/mL	5.0000
8_2-FTS-13C	Auto	4.949	706345	7255399	26	4.8188	ng/mL	5.0000
8_2-FTS_1	Auto	4.948	112455	706345	15	0.9283	ng/mL	0.9600
PFDS_1	Auto	5.115	140730	979045	13	0.8347	ng/mL	0.9647
PFUnA	Auto	5.136	950405	5788008	14	0.9828	ng/mL	1.0000
PFUnA-13C_IS	Auto	5.136	5788008	5788008	14	5.0000	ng/mL	5.0000
PFUnA-13C	Auto	5.136	5788008	7255399	26	4.8752	ng/mL	5.0000
PFDoA	Auto	5.310	889150	7912391	17	0.9985	ng/mL	1.0000
PFDoA-13C	Auto	5.310	7912391	7255399	26	4.7346	ng/mL	5.0000
PFDoA-13C_IS	Auto	5.310	7912391	7912391	17	5.0000	ng/mL	5.0000
10_2-FtS_1	Auto	5.312	73428	706345	15	0.8438	ng/mL	0.9662
PFTrDA	Auto	5.472	1248692	6269394	22	1.0619	ng/mL	1.0000
PFTeDA	Auto	5.623	462595	6269394	22	0.9981	ng/mL	1.0000
PFTeDA-13C	Auto	5.623	6269394	7255399	26	4.5136	ng/mL	5.0000
PFTeDA-13C_IS	Auto	5.623	6269394	6269394	22	5.0000	ng/mL	5.0000
FOSA-13C_IS	Auto	5.246	2421421	2421421	18	5.0000	ng/mL	5.0000
FOSA-13C	Auto	5.246	2421421	7255399	26	4.7435	ng/mL	5.0000
FOSA	Auto	5.246	617823	2421421	18	0.9623	ng/mL	1.0000
N-MeFOSAA	Auto	5.053	209635	1277237	19	1.1478	ng/mL	1.0000
N-MeFOSAA-d3	Auto	5.051	1277237	7255399	26	4.5260	ng/mL	5.0000
N-MeFOSAA-d3_IS	Auto	5.051	1277237	1277237	19	5.0000	ng/mL	5.0000
N-MeFOSA-d3_IS	Auto	5.627	783026	783026	1	5.0000	ng/mL	5.0000
N-MeFOSA-d3	Auto	5.627	783026	7255399	26	4.4065	ng/mL	5.0000
N-MeFOSA	Auto	5.630	229309	783026	1	0.8585	ng/mL	1.0000
N-MeFOSE-d7	Auto	5.597	1233247	7255399	26	4.4346	ng/mL	5.0000
N-MeFOSE-d7_IS	Auto	5.597	1233247	1233247	20	5.0000	ng/mL	5.0000
N-MeFOSE	Auto	5.605	277036	1233247	20	0.8961	ng/mL	1.0000
N-EtFOSAA	Auto	5.150	136410	1055736	21	1.0665	ng/mL	1.0000

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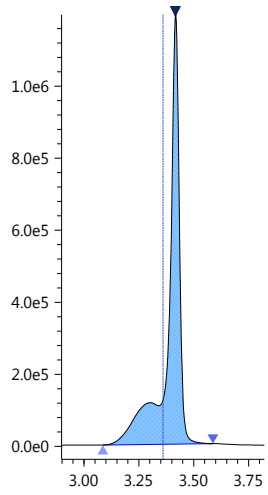
(Table continued from previous page)

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
N-EtFOSAA-d5_IS	Auto	5.147	1055736	1055736	21	5.0000	ng/mL	5.0000
N-EtFOSAA-d5	Auto	5.147	1055736	7255399	26	4.5937	ng/mL	5.0000
N-EtFOSA-d9_IS	Auto	5.761	1128467	1128467	23	5.0000	ng/mL	5.0000
N-EtFOSA-d9	Auto	5.761	1128467	7255399	26	4.3404	ng/mL	5.0000
N-EtFOSA	Auto	5.767	43251	1128467	23	0.8664	ng/mL	1.0000
N-EtFOSE-d9_IS	Auto	5.723	1067871	1067871	24	5.0000	ng/mL	5.0000
N-EtFOSE-d9	Auto	5.723	1067871	7255399	26	4.3717	ng/mL	5.0000
N-EtFOSE	Auto	5.734	234290	1067871	24	0.9051	ng/mL	1.0000
13C7-PFUnDA_IS	Auto	5.136	7255399	7255399	26	5.0000	ng/mL	5.0000
PFPeS	Auto	4.250	145533	1442599	16	0.9216	ng/mL	0.9409
PFNS	Auto	4.938	118670	979045	13	0.9411	ng/mL	0.9616

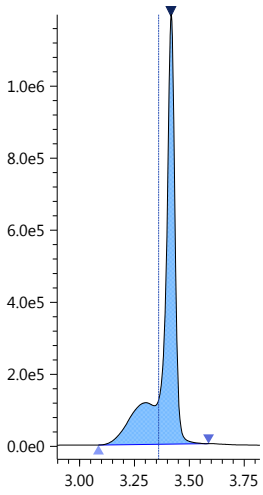
PFBA-13C_IS

Conc 5.0000
RT 3.416 Area 4179573
ISTD 216.90>172.15 (-) 1.20e6



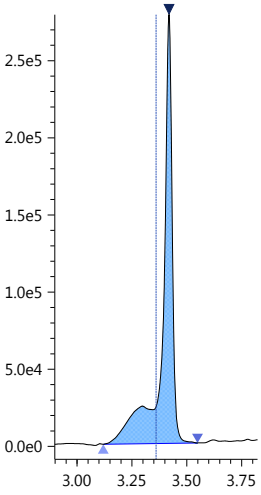
PFBA-13C

Conc 4.4318
RT 3.416 Area 4179573
Q 216.90>172.15 (-) 1.20e6



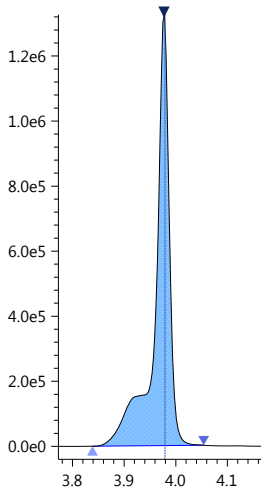
PFBA

Conc 1.0014
RT 3.419 Area 857607
Q 213.00>169.10 (-) 2.80e5



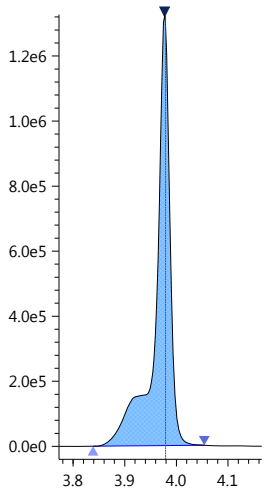
PFPeA-13C_IS

Conc 5.0000
RT 3.977 Area 2534168
ISTD 267.90>223.00 (-) 1.33e6



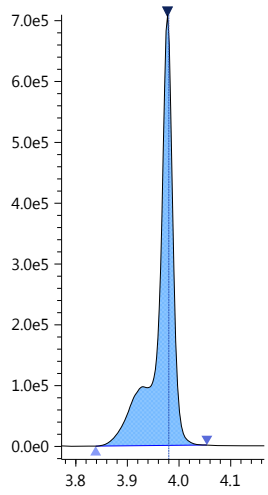
PFPeA-13C

Conc 4.5296
RT 3.977 Area 2534168
Q 267.90>223.00 (-) 1.33e6



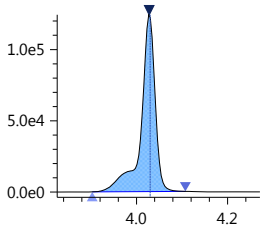
PFPeA

Conc 1.0054
RT 3.978 Area 1405848
Q 263.05>219.10 (-) 7.10e5

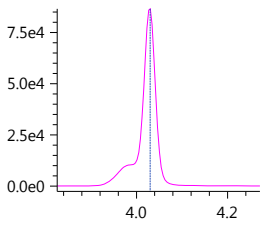


PFBS_1

Conc 0.8450
RT 4.028 Area 267053
R#1 68.91 (0.00)
Q 299.00>80.00 (-) 1.24e5

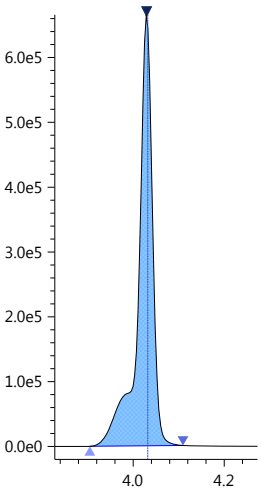


R1 298.80>99.00 (-) 8.66e4



PFBS-13C

Conc 4.4747
RT 4.029 Area 1442599
Q 301.80>80.00 (-) 6.66e5



PFBS-13C_IS

Conc 5.0000
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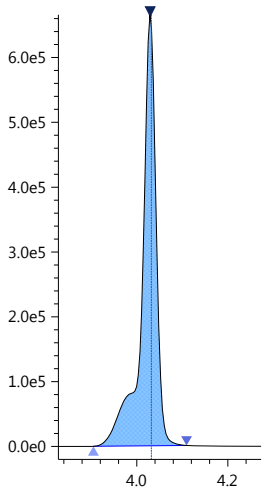
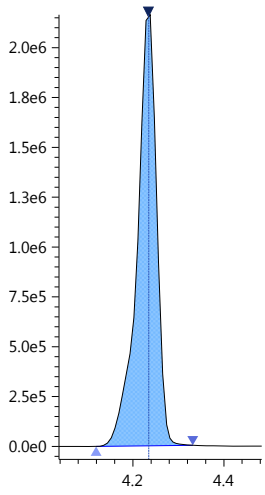
ISTD 301.80>80.00 (-) 6.66e5



PFHxA-13C_IS

Conc 5.0000
RT 4.234 Area 6473903
ISTD 314.90>270.10 (-) 2.16e6



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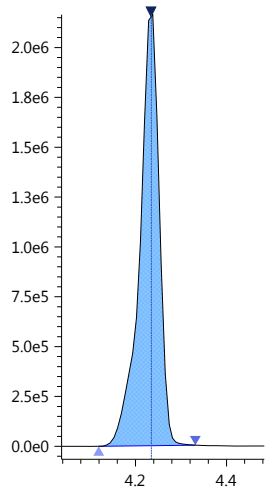
PFHxA-13C

Conc 4.4166
RT 4.234 Area 6473903

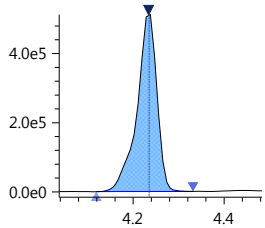
Q 314.90>270.10 (-) 2.16e6



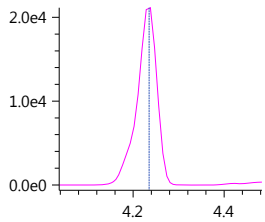
PFHxA

Conc 1.0457
RT 4.234 Area 1560105
R#1 4.15 (0.00)

Q 313.00>269.00 (-) 5.13e5



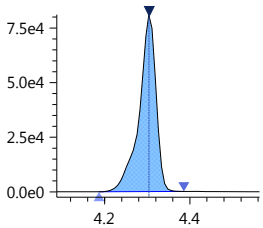
R1 313.00>119.10 (-) 2.11e4



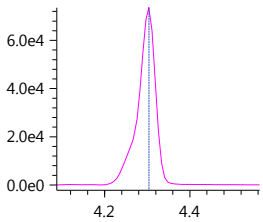
HPFO_DA

Conc 0.8397
RT 4.305 Area 221066
R#1 90.29 (0.00)

Q 329.00>169.00 (-) 8.11e4



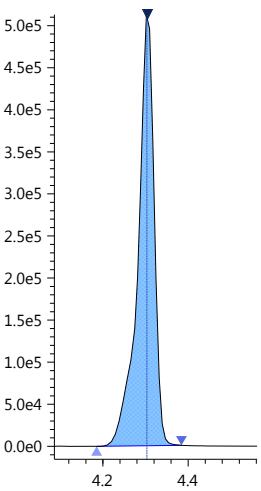
R1 329.00>285.10 (-) 7.35e4



HFPO_DA-13C_IS

Conc 5.0000
RT 4.305 Area 1351413

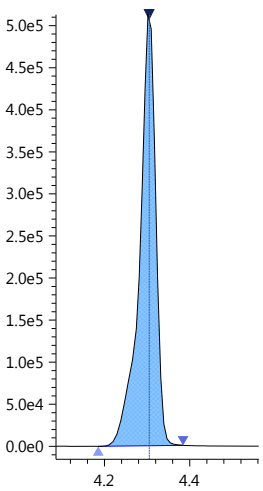
ISTD 332.00>286.80 (-) 5.13e5



HFPO_DA-13C

Conc 4.4964
RT 4.305 Area 1351413

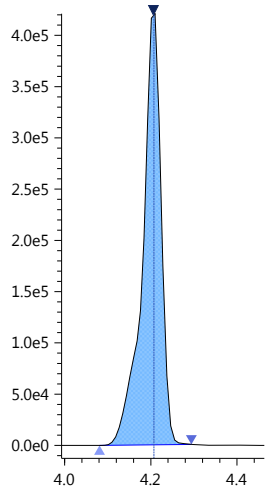
Q 332.00>286.80 (-) 5.13e5



4_2-FTS-13C_IS

Conc 5.0000
RT 4.206 Area 1263643

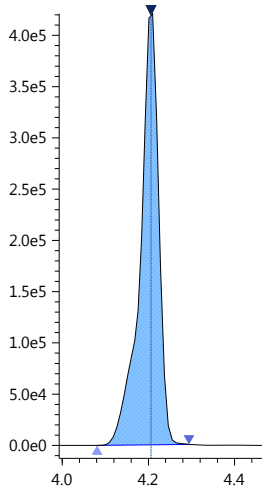
ISTD 328.80>309.05 (-) 4.21e5



4_2-FTS-13C

Conc 4.5148
RT 4.206 Area 1263643

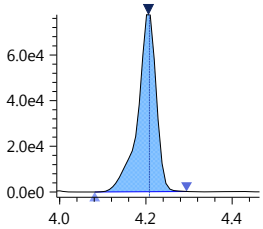
Q 328.80>309.05 (-) 4.21e5



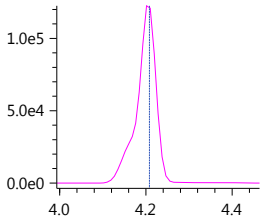
4_2-FTS_1

Conc 0.8985
RT 4.206 Area 232405
R#1 157.82 (0.00)

Q 327.00>307.05 (-) 7.76e4



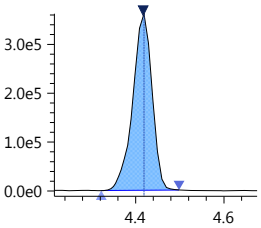
R1 327.00>81.10 (-) 1.23e5



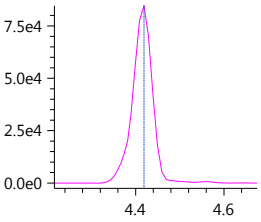
PFHpA

Conc 1.0536
RT 4.417 Area 1100295
R#1 23.28 (0.00)

Q 362.90>319.00 (-) 3.63e5



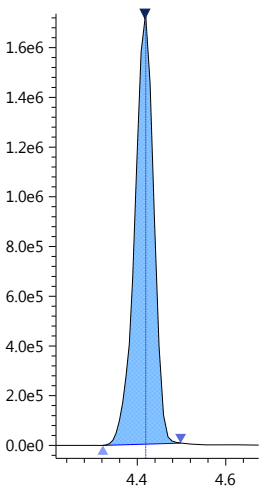
R1 362.90>169.00 (-) 8.46e4



PFHpA-13C_IS

Conc 5.0000
RT 4.417 Area 5199944

ISTD 366.90>322.10 (-) 1.74e6



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PFHpA-13C
Conc 4.0796
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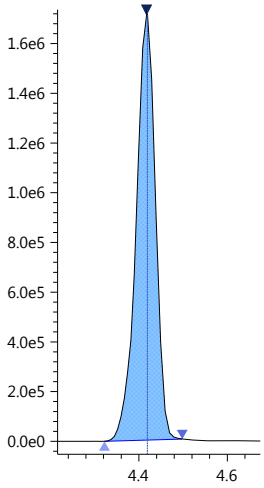
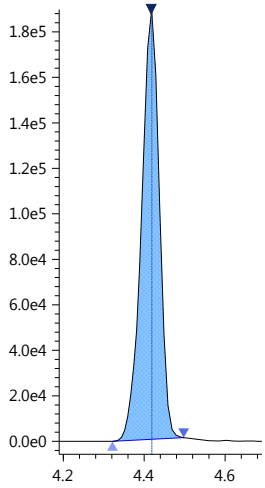


PFHxS-18O_IS
Conc 5.0000
RT 4.417 Area 580301
ISTD 402.70>84.05 (-) 1.90e5



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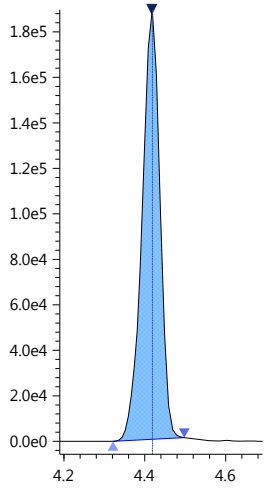
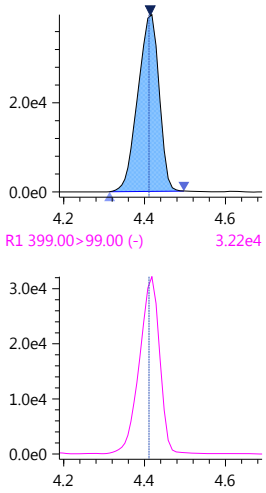
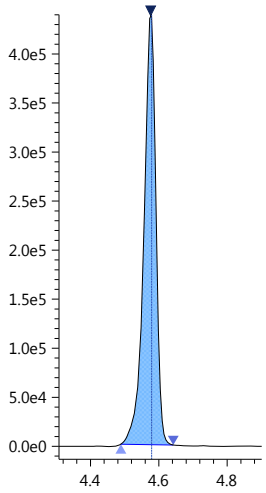


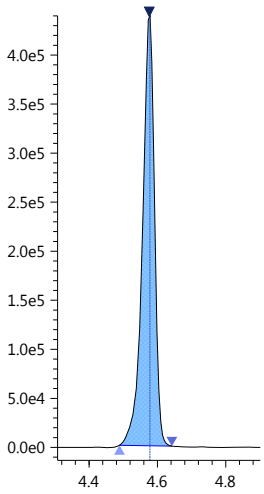
PFHxS_1
Conc 0.9138
RT 4.414 Area 145227
R#1 80.33 (0.00)
Q 399.00>80.00 (-) 3.98e4



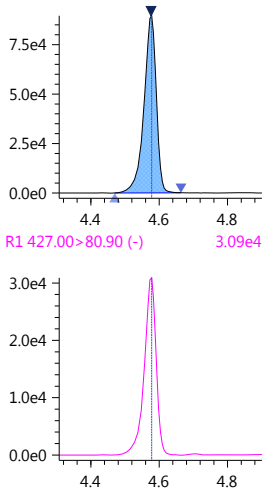
6_2-FTS-13C
Conc 4.7440
RT 4.576 Area 1073251
Q 428.90>409.00 (-) 4.40e5



6_2-FTS-13C_IS
Conc 5.0000
RT 4.576 Area 1073251
ISTD 428.90>409.00 (-) 4.40e5



6_2-FTS_1
Conc 0.9437
RT 4.576 Area 224105
R#1 34.64 (0.00)
Q 427.00>407.00 (-) 8.96e4



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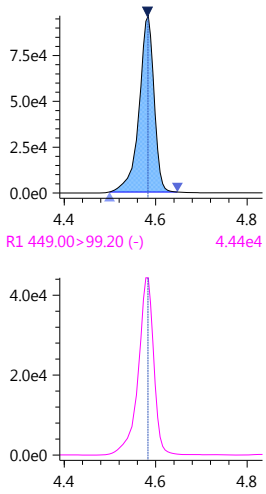
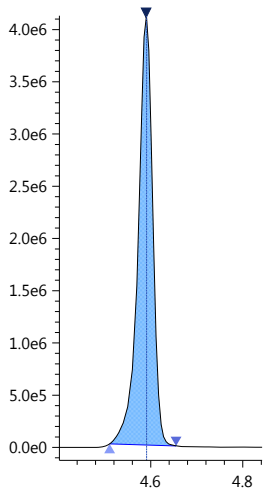
Conc 1.0665
RT 4.582 Area 216849
R#1 45.88 (0.00)
Q 449.00>80.15 (-) 9.68e4



PFOA-13C_IS
Conc 5.0000
RT 4.590 Area 9073112
ISTD 416.80>372.05 (-) 4.13e6



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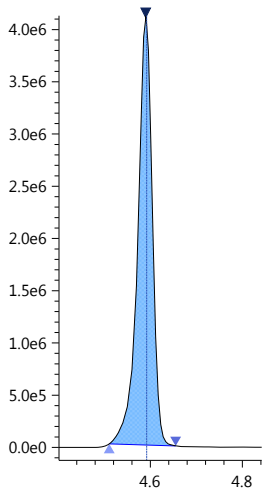
RT 4.590 Area 9073112
Q 416.80>372.05 (-) 4.13e6



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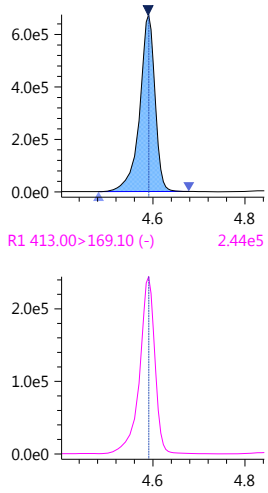
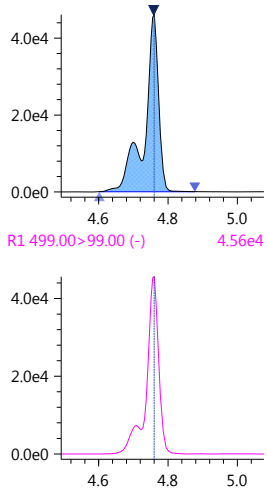
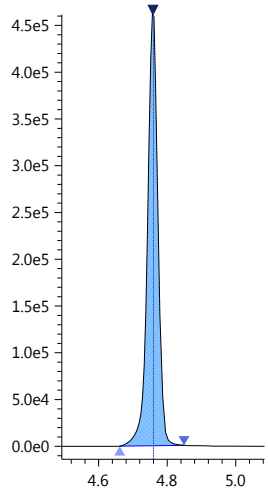


PFOS_1
Conc 0.8578
RT 4.759 Area 130692
R#1 98.31 (0.00)



PFOS-13C_IS
Conc 5.0000
RT 4.759 Area 979045



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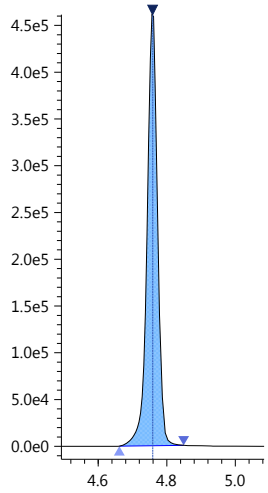
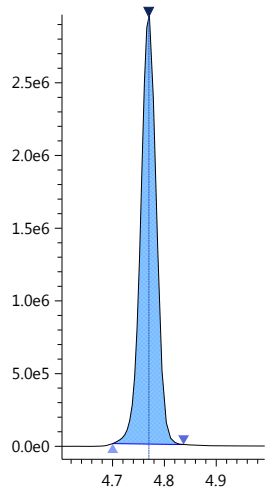
Conc 4.8441
RT 4.759 Area 979045



PFNA-13C_IS
Conc 5.0000
RT 4.770 Area 6279978



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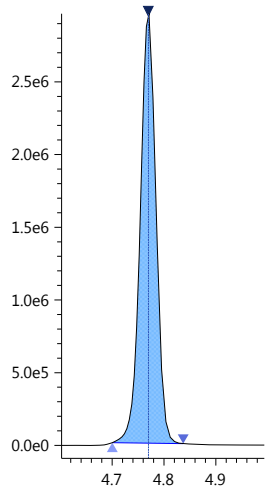
Conc 4.8504
RT 4.770 Area 6279978



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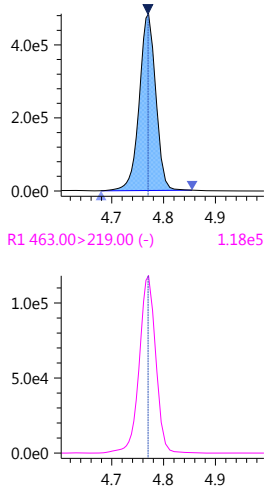
Conc 1.0067
RT 4.770 Area 1072997
R#1 24.40 (0.00)



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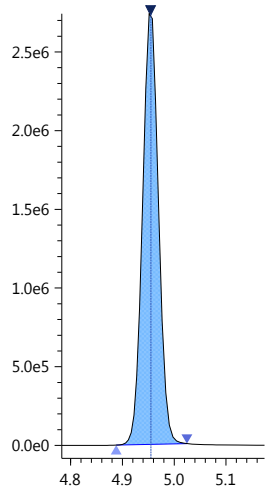
Conc 5.0000
RT 4.954 Area 5881550



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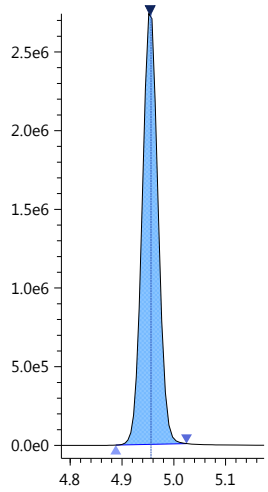
Conc 4.7865
RT 4.954 Area 5881550



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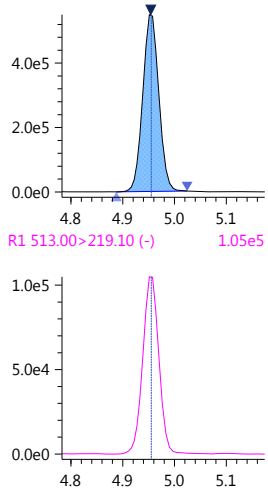
Conc 0.9823
RT 4.954 Area 1182025
R#1 19.25 (0.00)



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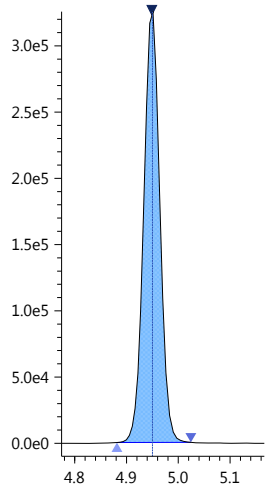
8_2-FTS-13C_IS

Conc 5.0000
RT 4.949 Area 706345

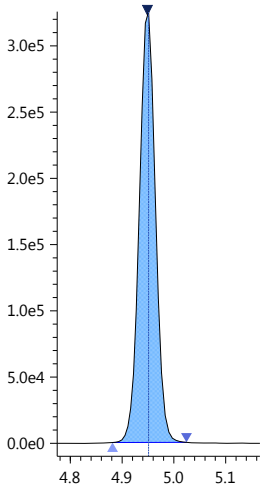
ISTD 528.80>509.00 (-) 3.26e5



8_2-FTS-13C

Conc 4.8188
RT 4.949 Area 706345

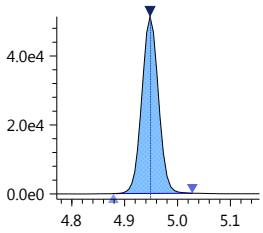
Q 528.80>509.00 (-) 3.26e5



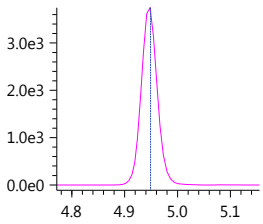
8_2-FTS_1

Conc 0.9283
RT 4.948 Area 112455
R#1 7.32 (6.32)

Q 527.10>506.90 (-) 5.14e4



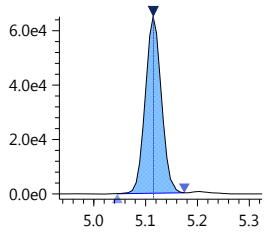
R1 527.20>487.00 (-) 3.75e3



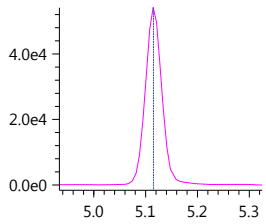
PFDS_1

Conc 0.8347
RT 5.115 Area 140730
R#1 82.41 (0.00)

Q 599.00>79.90 (-) 6.51e4



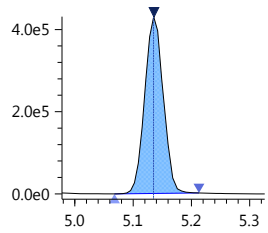
R1 599.00>99.10 (-) 5.41e4



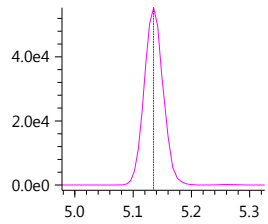
PFUnA

Conc 0.9828
RT 5.136 Area 950405
R#1 12.83 (0.00)

Q 563.00>518.90 (-) 4.31e5



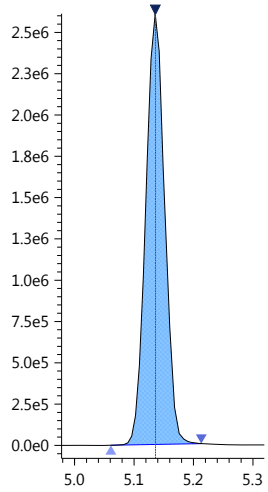
R1 563.00>219.00 (-) 5.54e4



PFUnA-13C_IS

Conc 5.0000
RT 5.136 Area 5788008

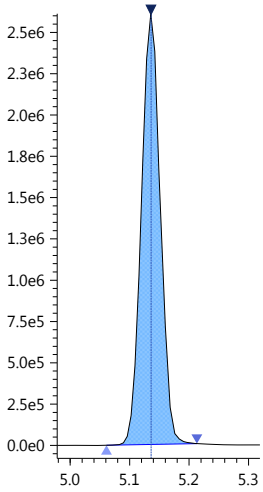
ISTD 564.80>519.95 (-) 2.61e6



PFUnA-13C

Conc 4.8752
RT 5.136 Area 5788008

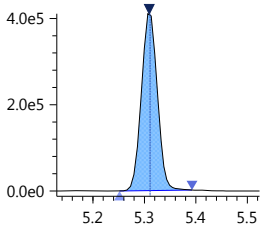
Q 564.80>519.95 (-) 2.61e6



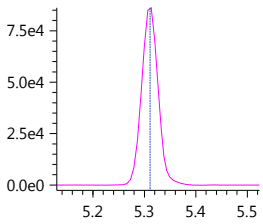
PFDoA

Conc 0.9985
RT 5.310 Area 889150
R#1 20.61 (0.00)

Q 613.05>569.00 (-) 4.11e5



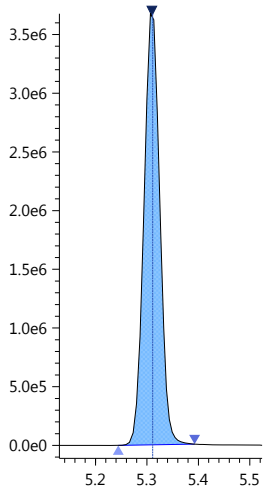
R1 613.05>169.00 (-) 8.62e4



PFDoA-13C

Conc 4.7346
RT 5.310 Area 7912391

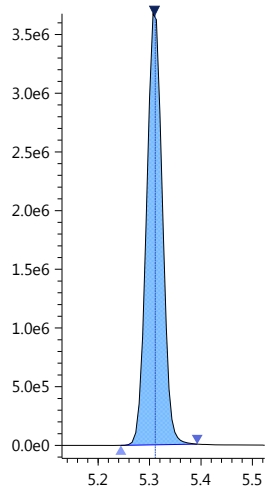
Q 614.80>569.95 (-) 3.68e6



PFDoA-13C_IS

Conc 5.0000
RT 5.310 Area 7912391

ISTD 614.80>569.95 (-) 3.68e6



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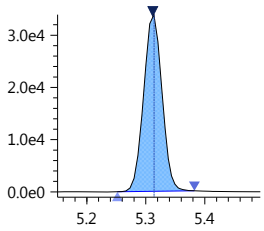
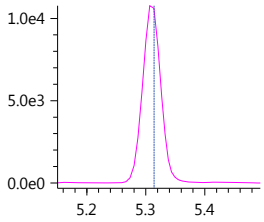
10_2-FtS_1

Conc 0.8438
RT 5.312 Area 73428
R#1 31.24 (0.00)

Q 627.00>606.95 (-) 3.39e4



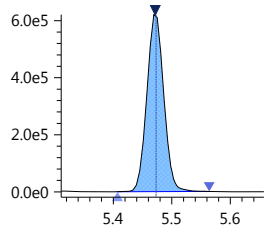
R1 627.00>81.25 (-) 1.08e4



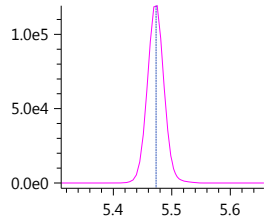
PFTrDA

Conc 1.0619
RT 5.472 Area 1248692
R#1 19.66 (0.00)

Q 663.00>618.90 (-) 6.21e5



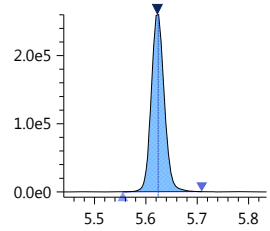
R1 662.90>169.00 (-) 1.19e5



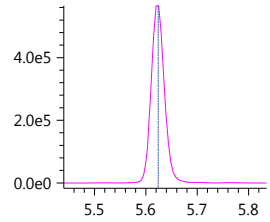
PFTeDA

Conc 0.9981
RT 5.623 Area 462595
R#1 216.63 (0.00)

Q 713.40>669.00 (-) 2.60e5



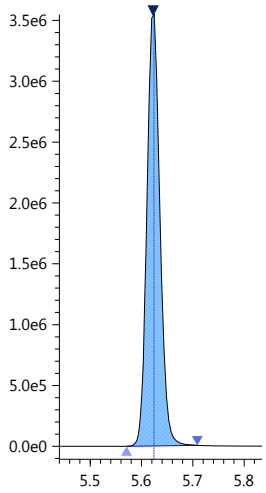
R1 713.40>169.10 (-) 5.66e5



PFTeDA-13C

Conc 4.5136
RT 5.623 Area 6269394

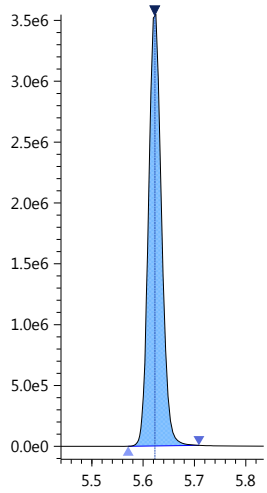
Q 714.70>669.90 (-) 3.55e6



PFTeDA-13C_IS

Conc 5.0000
RT 5.623 Area 6269394

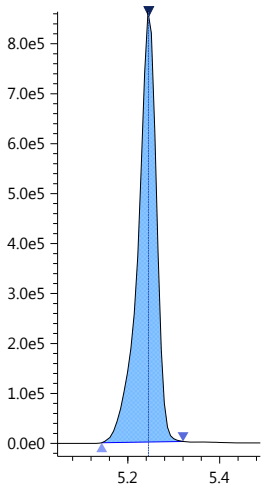
ISTD 714.70>669.90 (-) 3.55e6



FOSA-13C_IS

Conc 5.0000
RT 5.246 Area 2421421

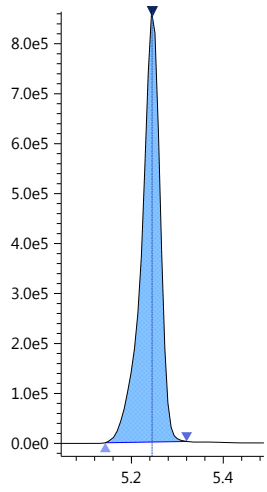
ISTD 506.00>78.05 (-) 8.64e5



FOSA-13C

Conc 4.7435
RT 5.246 Area 2421421

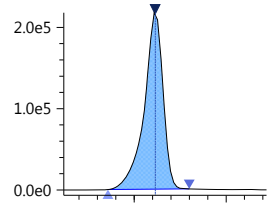
Q 506.00>78.05 (-) 8.64e5



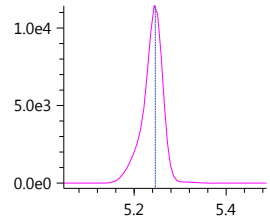
FOSA

Conc 0.9623
RT 5.246 Area 617823
R#1 5.25 (0.00)

Q 498.20>78.00 (-) 2.18e5



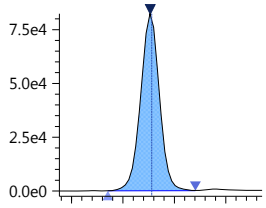
R1 498.20>64.10 (-) 1.14e4



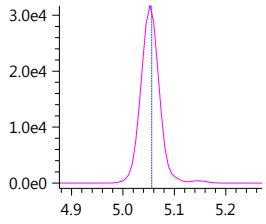
N-MeFOSAA

Conc 1.1478
RT 5.053 Area 209635
R#1 38.28 (0.00)

Q 570.20>419.00 (-) 8.24e4



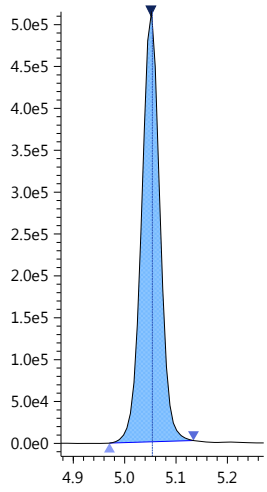
R1 570.20>512.00 (-) 3.17e4



N-MeFOSAA-d3

Conc 4.5260
RT 5.051 Area 1277237

Q 572.80>419.05 (-) 5.15e5



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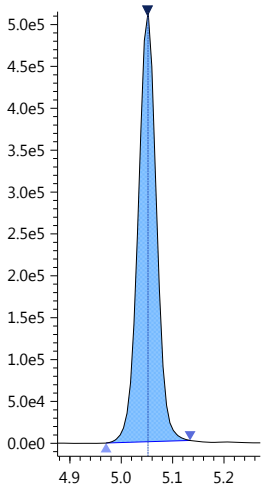
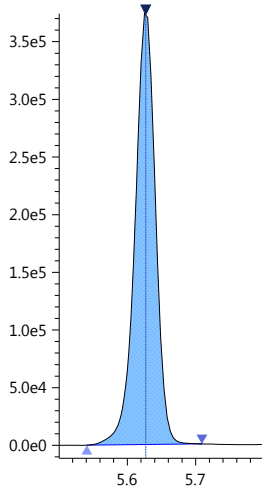
N-MeFOSAA-d3_IS
Conc 5.0000
RT 5.051 Area 1277237

ISTD 572.80>419.05 (-) 5.15e5



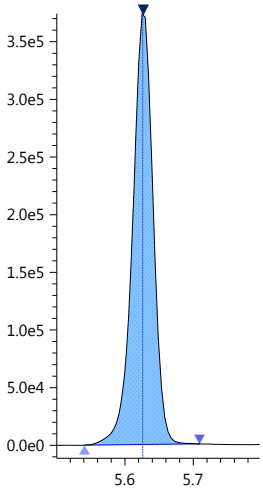
N-MeFOSA-d3_IS
Conc 5.0000
RT 5.627 Area 783026

ISTD 514.90>168.90 (-) 3.74e5



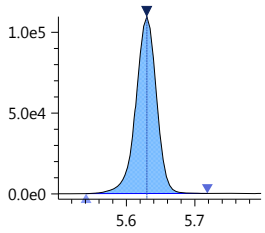
N-MeFOSA-d3
Conc 4.4065
RT 5.627 Area 783026

Q 514.90>168.90 (-) 3.74e5

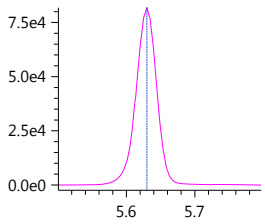


N-MeFOSA
Conc 0.8585
RT 5.630 Area 229309
R#1 74.53 (0.00)

Q 512.00>169.10 (-) 1.10e5

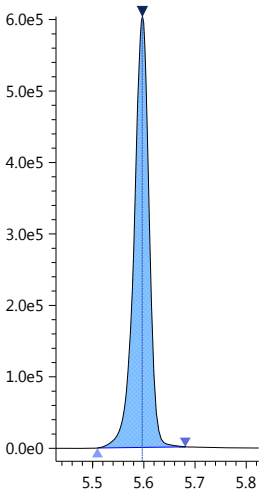


R1 512.00>219.00 (-) 8.18e4



N-MeFOSE-d7
Conc 4.4346
RT 5.597 Area 1233247

Q 622.70>59.10 (-) 6.04e5



N-MeFOSE-d7_IS
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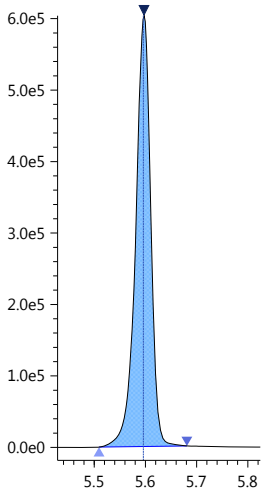
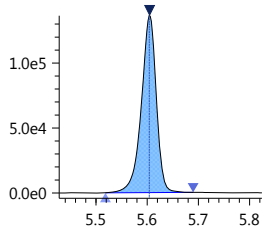
RT 5.597 Area 1233247

ISTD 622.70>59.10 (-) 6.04e5

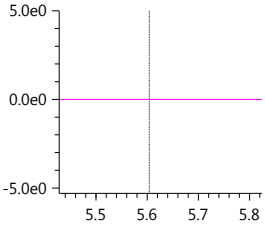


N-MeFOSE
Conc 0.8961
RT 5.605 Area 277036
R#1 0.00 (0.00)

Q 616.00>59.00 (-) 1.36e5

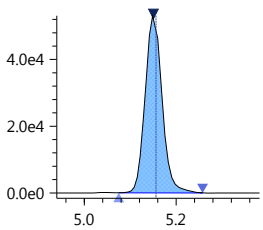


R1 556.00>121.20 (-) 0.00e0

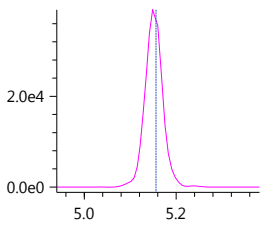


N-EtFOSAA
Conc 1.0665
RT 5.150 Area 136410
R#1 74.31 (0.00)

Q 584.20>418.95 (-) 5.31e4

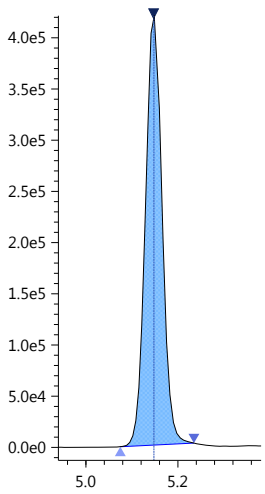


R1 584.20>526.10 (-) 3.91e4



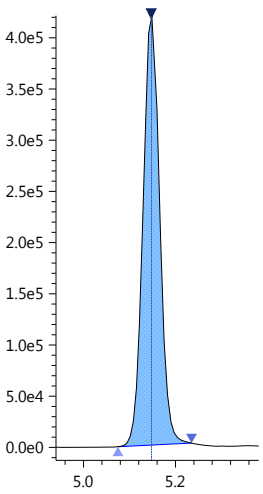
N-EtFOSAA-d5_IS
Conc 5.0000
RT 5.147 Area 1055736

ISTD 588.80>419.00 (-) 4.22e5



N-EtFOSAA-d5
Conc 4.5937
RT 5.147 Area 1055736

Q 588.80>419.00 (-) 4.22e5



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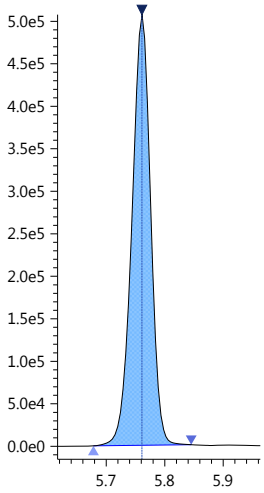
N-EtFOSA-d9_IS

Conc 5.0000
RT 5.761 Area 1128467

ISTD 530.90>169.15 (-) 5.08e5



N-EtFOSA-d9

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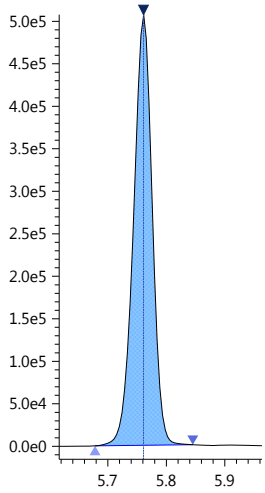
RT 5.761 Area 1128467

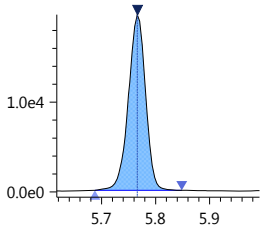
Q 530.90>169.15 (-) 5.08e5



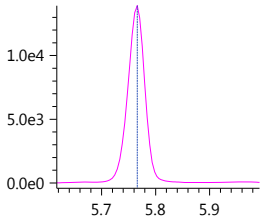
N-EtFOSA

Conc 0.8664
RT 5.767 Area 43251
R#1 71.21 (0.00)

Q 526.90>169.10 (-) 1.98e4



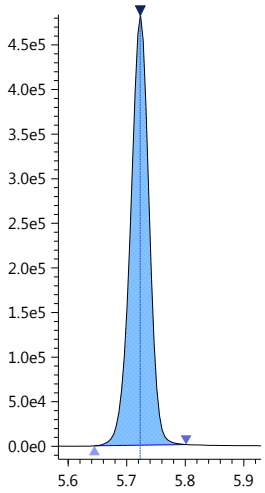
R1 526.90>219.00 (-) 1.39e4



N-EtFOSE-d9_IS

Conc 5.0000
RT 5.723 Area 1067871

ISTD 638.70>59.10 (-) 4.84e5



N-EtFOSE-d9

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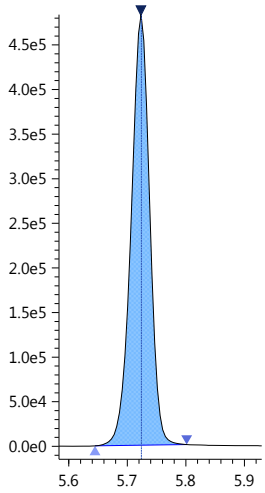
RT 5.723 Area 1067871

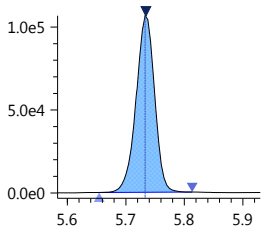
Q 638.70>59.10 (-) 4.84e5



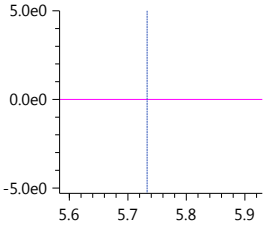
N-EtFOSE

Conc 0.9051
RT 5.734 Area 234290
R#1 0.00 (0.00)

Q 630.00>58.90 (-) 1.07e5



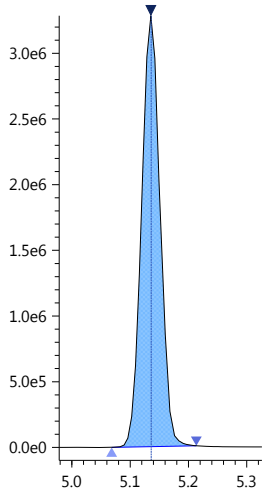
R1 570.00>136.10 (-) 0.00e0



13C7-PFUnDA_IS

Conc 5.0000
RT 5.136 Area 7255399

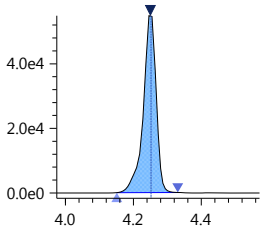
ISTD 570.00>525.00 (-) 3.29e6



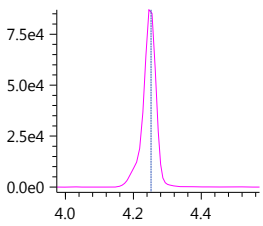
PFPeS

Conc 0.9216
RT 4.250 Area 145533
R#1 158.48 (0.00)

Q 349.00>99.00 (-) 5.49e4



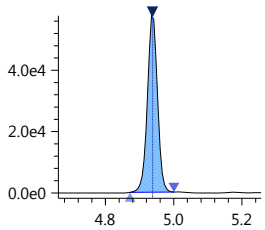
R1 349.00>79.95 (-) 8.70e4



PFNS

Conc 0.9411
RT 4.938 Area 118670
R#1 114.03 (0.00)

Q 549.00>99.00 (-) 5.78e4



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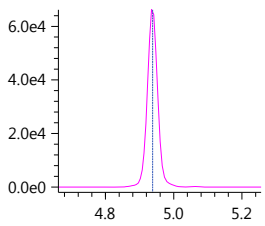

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Printed at 6/25/2019 10:11:56 AM

190621_030

Sample ID: 1.0 PPB ICV
Date acquired: 6/24/2019 7:50:03 PM
Acquired by: System Administrator
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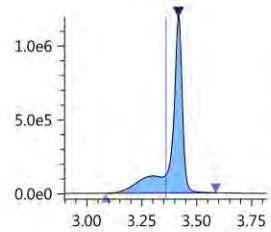
ISTD 216.90>172.15 (-) 1.20e6



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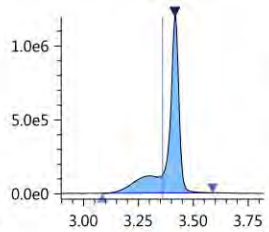

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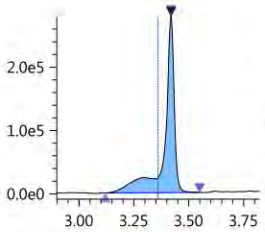

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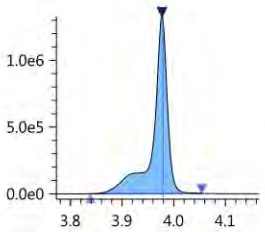

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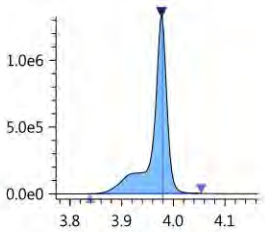

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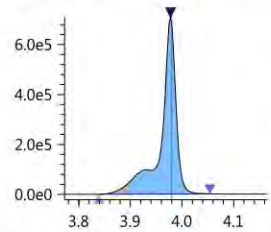

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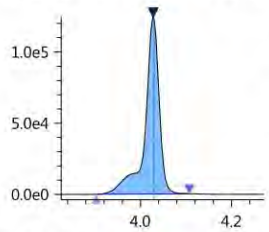

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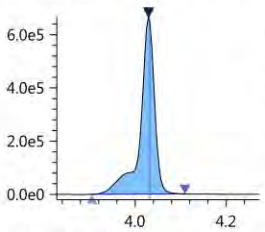

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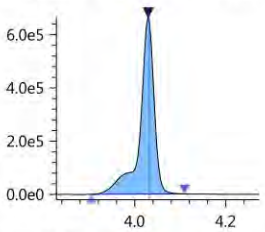

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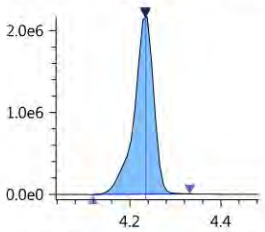

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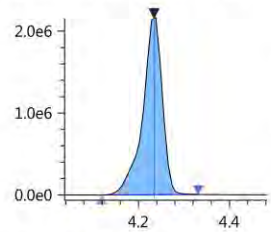

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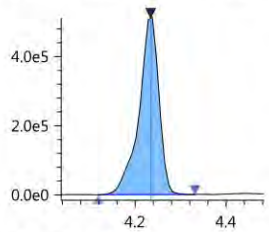

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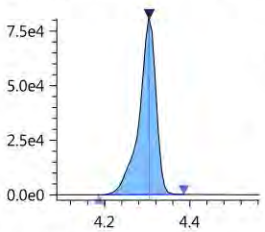

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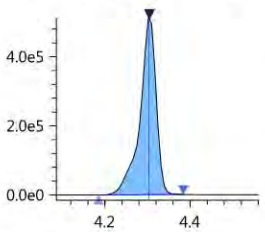

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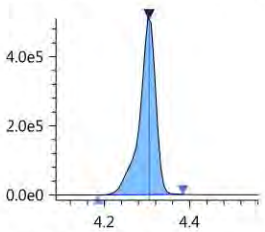

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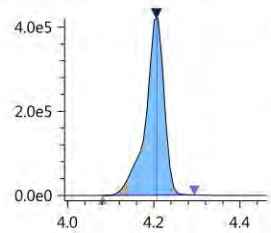

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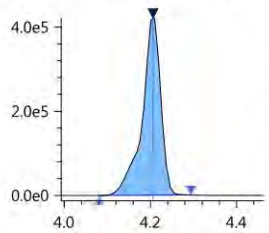

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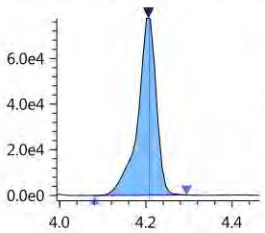

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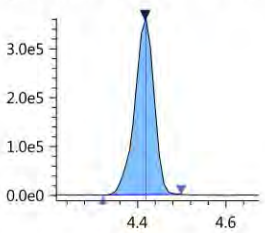

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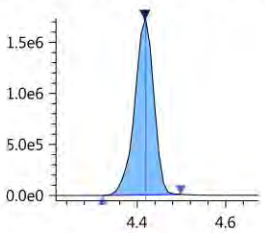
ISTD 366.90>322.10 (-) 1.74e6



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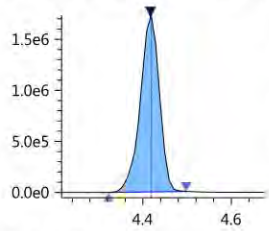

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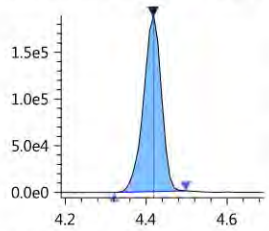

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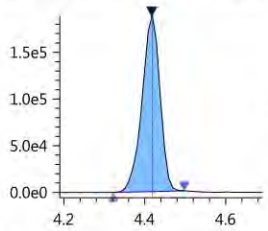

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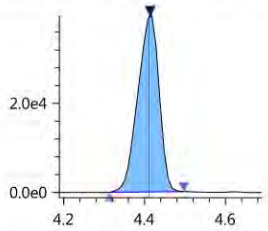

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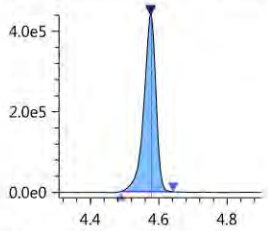

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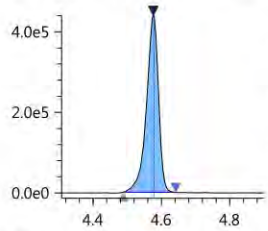
ISTD 428.90>409.00 (-) 4.40e5



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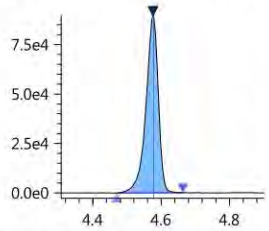

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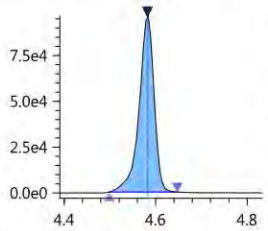

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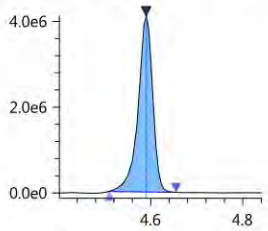

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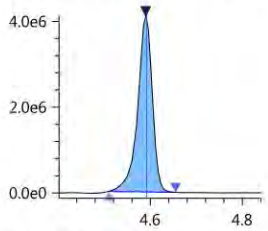

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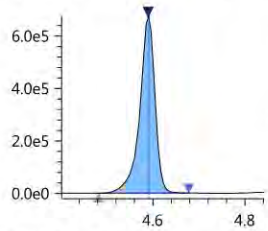

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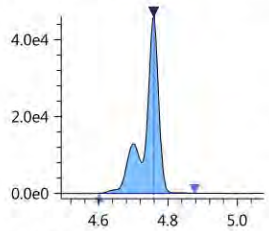

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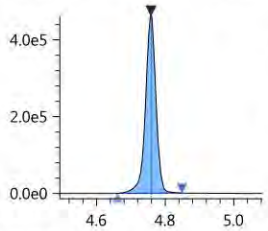

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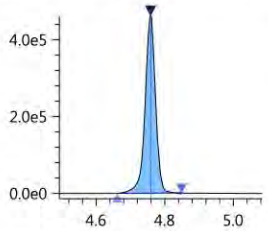

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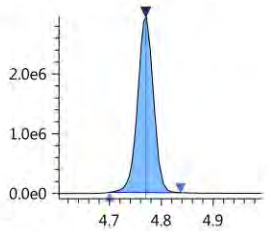

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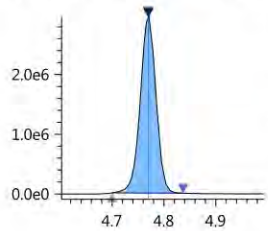

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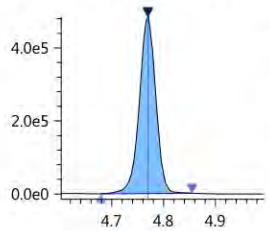

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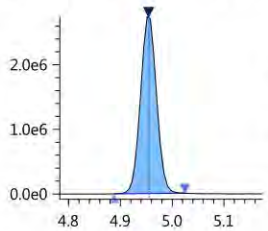

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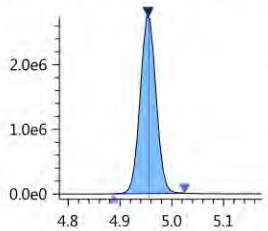

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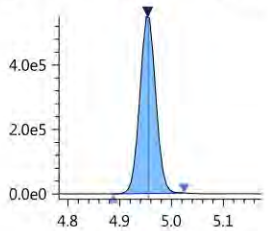

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8_2-FTS-13C_IS
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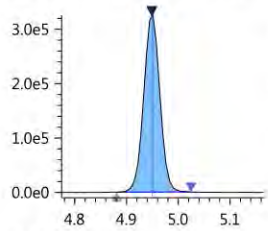
ISTD 528.80>509.00 (-) 3.26e5



8_2-FTS-13C
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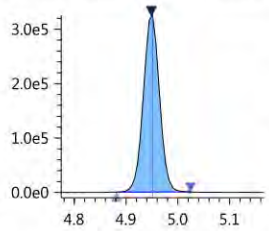
Q 528.80>509.00 (-) 3.26e5



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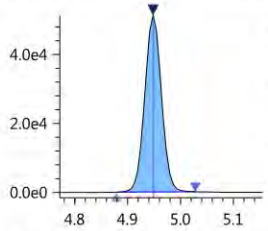

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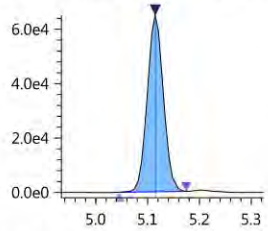

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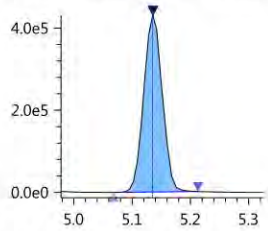

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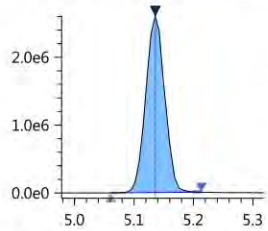
Conc 5.0000
RT 5.136 Area 5788008
ISTD 564.80>519.95 (-) 2.61e6



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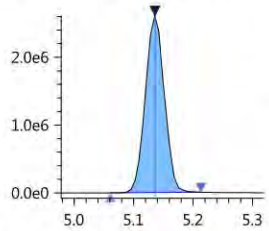
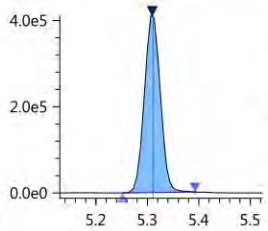


PFDoA
Conc 0.9459
RT 5.310 Area 889150
Q 613.05>569.00 (-) 4.11e5



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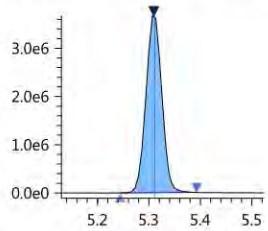
RT 5.310 Area 7912391
Q 614.80>569.95 (-) 3.68e6



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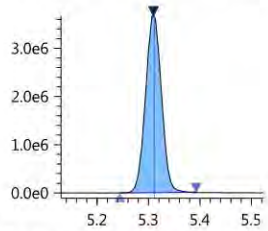

10_2-FtS_1
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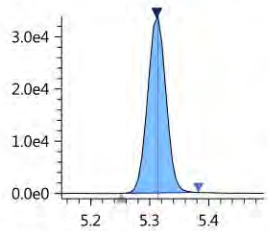

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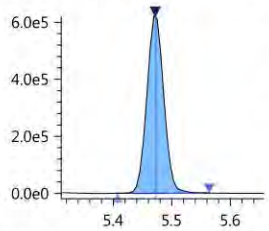
Conc 1.0368
RT 5.472 Area 1248692
Q 663.00>618.90 (-) 6.21e5



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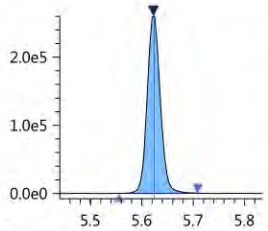

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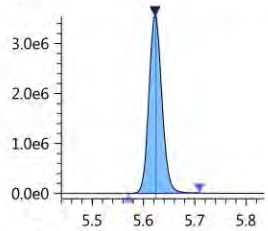
Conc 4.5136
RT 5.623 Area 6269394
Q 714.70>669.90 (-) 3.55e6



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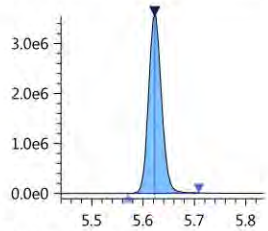

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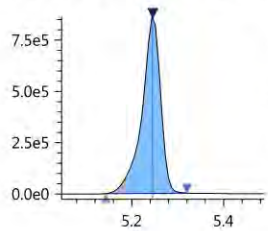
RT 5.246 Area 2421421
ISTD 506.00>78.05 (-) 8.64e5



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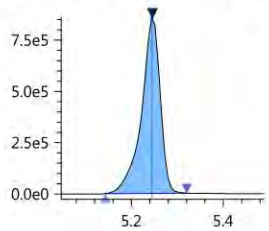

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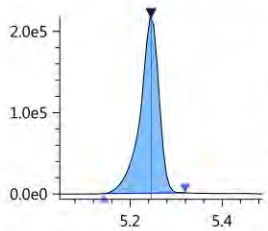
Q 498.20>78.00 (-) 2.18e5



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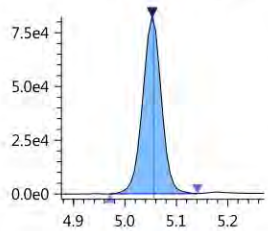

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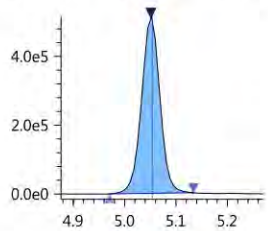

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Printed at 6/25/2019 10:11:56 AM

N-MeFOSAA-d3_IS
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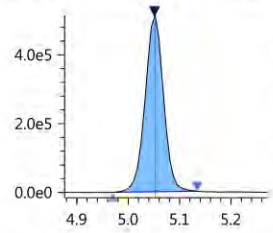
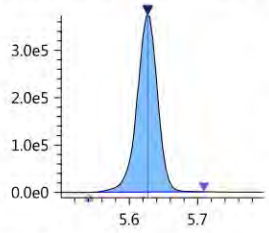
ISTD 572.80>419.05 (-) 5.15e5



N-MeFOSA-d3_IS
Conc 5.0000
RT 5.627 Area 783026
ISTD 514.90>168.90 (-) 3.74e5



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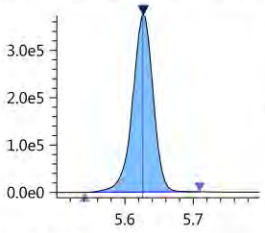

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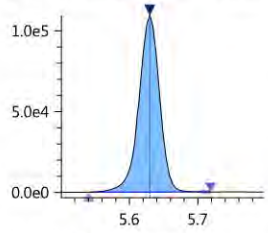
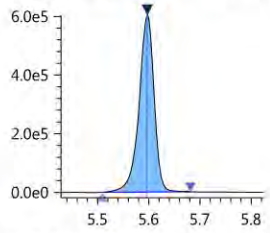


N-MeFOSE-d7
Conc 4.4346
RT 5.597 Area 1233247
Q 622.70>59.10 (-) 6.04e5



N-MeFOSE-d7_IS
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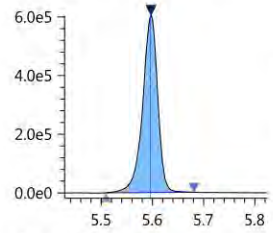

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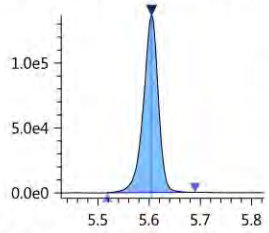
RT 5.605 Area 277036
Q 616.00>59.00 (-) 1.36e5



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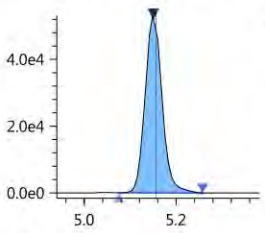

N-EtFOSAA-d5_IS
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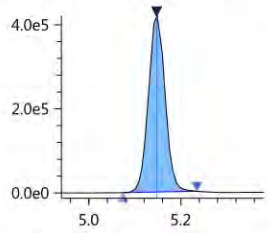

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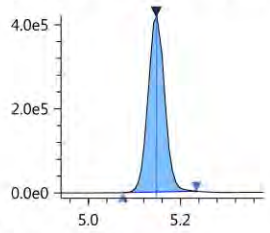

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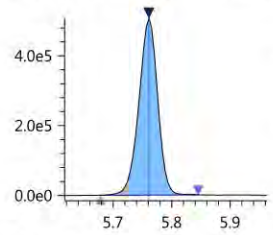

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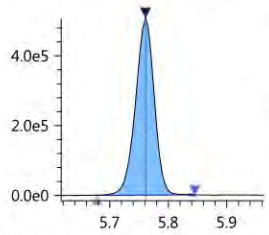

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RT 5.767 Area 43251
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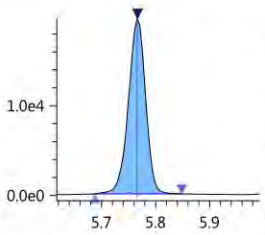

N-EtFOSE-d9_IS
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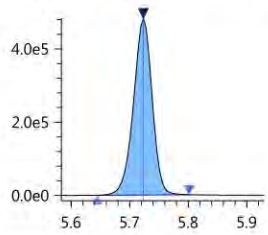
ISTD 638.70>59.10 (-) 4.84e5



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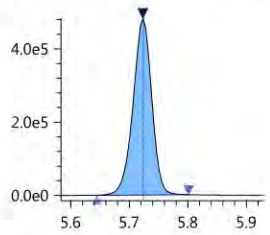

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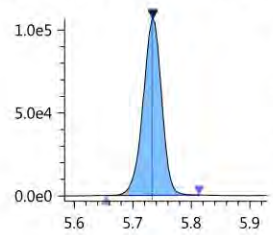

13C7-PFUnDA_IS
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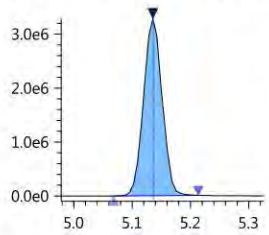
ISTD 570.00>525.00 (-) 3.29e6



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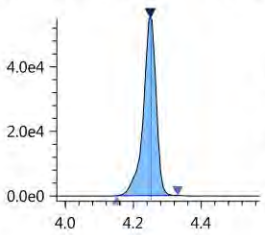
Conc 0.9417
RT 4.250 Area 145533
Q 349.00>99.00 (-) 5.49e4



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RT 4.938 Area 118670
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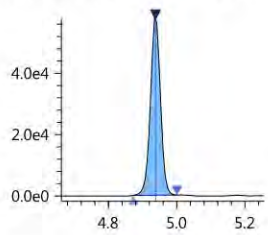

Insight Report

Printed at 6/25/2019 10:29:14 AM

190621_031

Sample ID: IB
Date acquired: 6/24/2019 8:00:33 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190624_curve\190621_031.lcd
Vial: 25 | Inj. Volume: 15.0000uL | Tray: 1

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
PFBA-13C_IS	Auto	3.416	4312483	4312483	2	5.0000	ng/mL	----
PFBA-13C	Auto	3.416	4312483	7145051	26	4.6434	ng/mL	----
PFBA	ND(W/B)	----	----	4312483	2	----	ng/mL	----
PFPeA-13C_IS	Auto	3.978	2559889	2559889	4	5.0000	ng/mL	----
PFPeA-13C	Auto	3.978	2559889	7145051	26	4.6462	ng/mL	----
PFPeA	Auto	3.978	157175	2559889	4	-0.0015	ng/mL	----
PFBS_1	Auto	4.029	401	1469124	16	0.0012	ng/mL	----
PFBS-13C	Auto	4.030	1469124	7145051	26	4.6274	ng/mL	----
PFBS-13C_IS	Auto	4.030	1469124	1469124	16	5.0000	ng/mL	----
PFHxA-13C_IS	Auto	4.234	7034235	7034235	6	5.0000	ng/mL	----
PFHxA-13C	Auto	4.234	7034235	7145051	26	4.8729	ng/mL	----
PFHxA	M	4.215	54612	7034235	6	0.0031	ng/mL	----
HPFO_DA	M	4.303	1232	1402546	3	0.0045	ng/mL	----
HFPO_DA-13C_IS	Auto	4.304	1402546	1402546	3	5.0000	ng/mL	----
HFPO_DA-13C	Auto	4.304	1402546	7145051	26	4.7386	ng/mL	----
4_2-FTS-13C_IS	Auto	4.205	1346682	1346682	5	5.0000	ng/mL	----
4_2-FTS-13C	Auto	4.205	1346682	7145051	26	4.8857	ng/mL	----
4_2-FTS_1	Auto	4.206	565	1346682	5	0.0020	ng/mL	----
PFHpA	M	4.402	25767	5439577	8	0.0032	ng/mL	----
PFHpA-13C_IS	Auto	4.417	5439577	5439577	8	5.0000	ng/mL	----
PFHpA-13C	Auto	4.417	5439577	7145051	26	4.3335	ng/mL	----
PFHxS-18O_IS	Auto	4.417	651600	651600	7	5.0000	ng/mL	----
PFHxS-18O	Auto	4.417	651600	7145051	26	4.4822	ng/mL	----
PFHxS_1	Auto	4.420	1176	651600	7	0.0066	ng/mL	----
6_2-FTS-13C	Auto	4.576	1154920	7145051	26	5.1838	ng/mL	----
6_2-FTS-13C_IS	Auto	4.576	1154920	1154920	10	5.0000	ng/mL	----
6_2-FTS_1	Auto	4.574	9786	1154920	10	0.0383	ng/mL	----
PFHpS_1	M	4.576	172	651600	7	0.0008	ng/mL	----
PFOA-13C_IS	Auto	4.589	9575162	9575162	9	5.0000	ng/mL	----
PFOA-13C	Auto	4.589	9575162	7145051	26	5.0654	ng/mL	----
PFOA	Auto	4.584	35121	9575162	9	-0.0035	ng/mL	----
PFOS_1	Auto	4.764	735	1004276	13	0.0047	ng/mL	----
PFOS-13C_IS	Auto	4.758	1004276	1004276	13	5.0000	ng/mL	----
PFOS-13C	Auto	4.758	1004276	7145051	26	5.0457	ng/mL	----
PFNA-13C_IS	Auto	4.769	6775262	6775262	11	5.0000	ng/mL	----
PFNA-13C	Auto	4.769	6775262	7145051	26	5.3138	ng/mL	----
PFNA	Auto	4.759	16744	6775262	11	-0.0073	ng/mL	----
PFDA-13C_IS	Auto	4.953	6207762	6207762	12	5.0000	ng/mL	----
PFDA-13C	Auto	4.953	6207762	7145051	26	5.1300	ng/mL	----
PFDA	Auto	4.945	20249	6207762	12	0.0159	ng/mL	----
8_2-FTS-13C_IS	Auto	4.948	746825	746825	15	5.0000	ng/mL	----
8_2-FTS-13C	Auto	4.948	746825	7145051	26	5.1737	ng/mL	----
8_2-FTS_1	Auto	4.951	396	746825	15	0.0031	ng/mL	----
PFDS_1	ND(W/B)	----	----	1004276	13	----	ng/mL	----
PFUnA	Auto	5.132	29348	6092268	14	0.0010	ng/mL	----
PFUnA-13C_IS	Auto	5.135	6092268	6092268	14	5.0000	ng/mL	----
PFUnA-13C	Auto	5.135	6092268	7145051	26	5.2107	ng/mL	----
PFDoA	Auto	5.299	9910	8104221	17	-0.0039	ng/mL	----
PFDoA-13C	Auto	5.309	8104221	7145051	26	4.9243	ng/mL	----
PFDoA-13C_IS	Auto	5.309	8104221	8104221	17	5.0000	ng/mL	----
10_2-FtS_1	M	5.314	91	746825	15	0.0010	ng/mL	----
PFTrDA	Auto	5.468	11895	6434366	22	0.0036	ng/mL	----
PFTeDA	Auto	5.622	68766	6434366	22	0.0113	ng/mL	----
PFTeDA-13C	Auto	5.622	6434366	7145051	26	4.7039	ng/mL	----
PFTeDA-13C_IS	Auto	5.622	6434366	6434366	22	5.0000	ng/mL	----
FOSA-13C_IS	Auto	5.246	2676968	2676968	18	5.0000	ng/mL	----
FOSA-13C	Auto	5.246	2676968	7145051	26	5.3251	ng/mL	----
FOSA	M	5.247	3115	2676968	18	0.0044	ng/mL	----
N-MeFOSAA	M	5.060	3993	1324008	19	0.0211	ng/mL	----
N-MeFOSAA-d3	Auto	5.051	1324008	7145051	26	4.7642	ng/mL	----
N-MeFOSAA-d3_IS	Auto	5.051	1324008	1324008	19	5.0000	ng/mL	----
N-MeFOSA-d3_IS	Auto	5.627	721084	721084	1	5.0000	ng/mL	----
N-MeFOSA-d3	Auto	5.627	721084	7145051	26	4.1206	ng/mL	----
N-MeFOSA	M	5.629	1661	721084	1	0.0068	ng/mL	----
N-MeFOSE-d7	Auto	5.597	1256347	7145051	26	4.5874	ng/mL	----
N-MeFOSE-d7_IS	Auto	5.597	1256347	1256347	20	5.0000	ng/mL	----
N-MeFOSE	M	5.606	705	1256347	20	0.0022	ng/mL	----
N-EtFOSAA	M	5.153	571	1124995	21	0.0042	ng/mL	----

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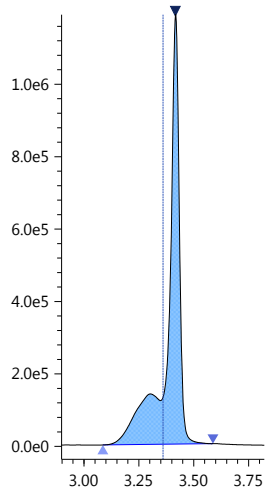
(Table continued from previous page)

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
N-EtFOSAA-d5_IS	Auto	5.146	1124995	1124995	21	5.0000	ng/mL	----
N-EtFOSAA-d5	Auto	5.146	1124995	7145051	26	4.9707	ng/mL	----
N-EtFOSA-d9_IS	Auto	5.761	1037223	1037223	23	5.0000	ng/mL	----
N-EtFOSA-d9	Auto	5.761	1037223	7145051	26	4.0511	ng/mL	----
N-EtFOSA	ND(W/B)	----	----	1037223	23	----	ng/mL	----
N-EtFOSE-d9_IS	Auto	5.723	1033743	1033743	24	5.0000	ng/mL	----
N-EtFOSE-d9	Auto	5.723	1033743	7145051	26	4.2973	ng/mL	----
N-EtFOSE	M	5.748	709	1033743	24	0.0028	ng/mL	----
13C7-PFUnDA_IS	Auto	5.135	7145051	7145051	26	5.0000	ng/mL	----
PFPeS	M	4.246	52	1469124	16	0.0003	ng/mL	----
PFNS	M	4.931	170	1004276	13	0.0013	ng/mL	----

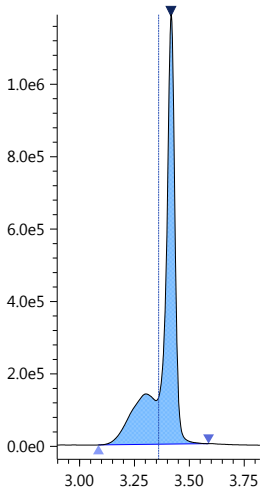
PFBA-13C_IS

Conc 5.0000
RT 3.416 Area 4312483
ISTD 216.90>172.15 (-) 1.19e6



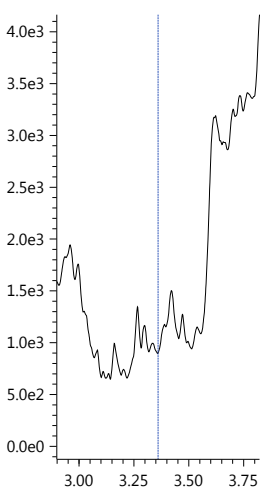
PFBA-13C

Conc 4.6434
RT 3.416 Area 4312483
Q 216.90>172.15 (-) 1.19e6



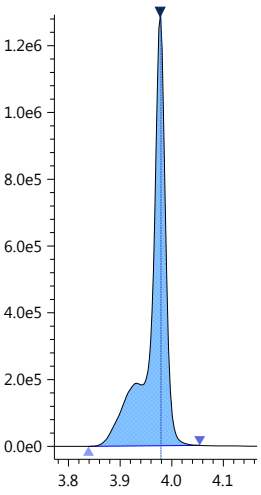
PFBA

Conc ----
RT ---- Area ----
Q 213.00>169.10 (-) 4.17e3



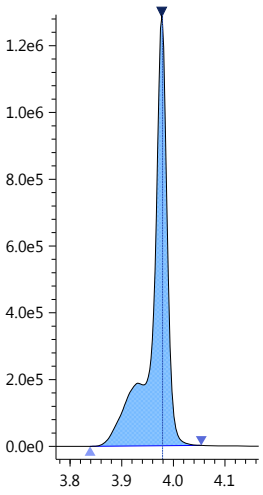
PFPeA-13C_IS

Conc 5.0000
RT 3.978 Area 2559889
ISTD 267.90>223.00 (-) 1.29e6



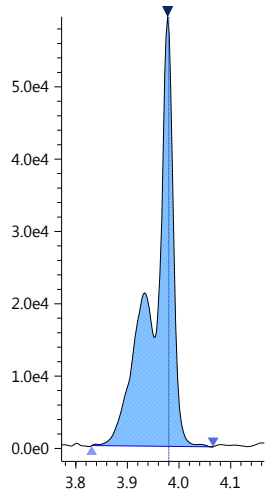
PFPeA-13C

Conc 4.6462
RT 3.978 Area 2559889
Q 267.90>223.00 (-) 1.29e6



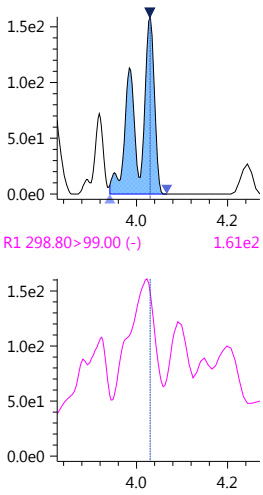
PFPeA

Conc -0.0015
RT 3.978 Area 157175
Q 263.05>219.10 (-) 5.97e4



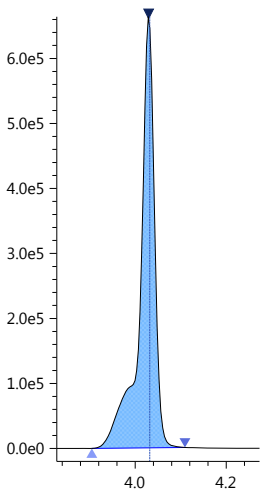
PFBS_1

Conc 0.0012
RT 4.029 Area 401
R#1 55.17 (0.00)
Q 299.00>80.00 (-) 1.59e2



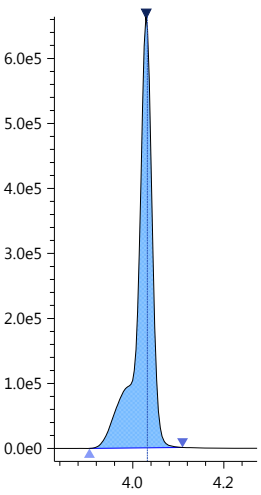
PFBS-13C

Conc 4.6274
RT 4.030 Area 1469124
Q 301.80>80.00 (-) 6.64e5



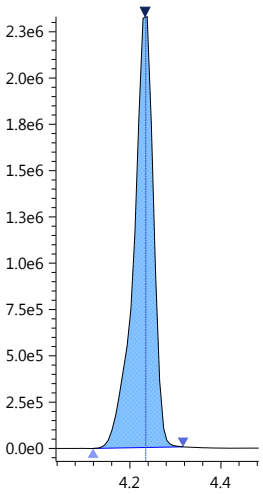
PFBS-13C_IS

Conc 5.0000
RT 4.030 Area 1469124
ISTD 301.80>80.00 (-) 6.64e5



PFHxA-13C_IS

Conc 5.0000
RT 4.234 Area 7034235
ISTD 314.90>270.10 (-) 2.33e6



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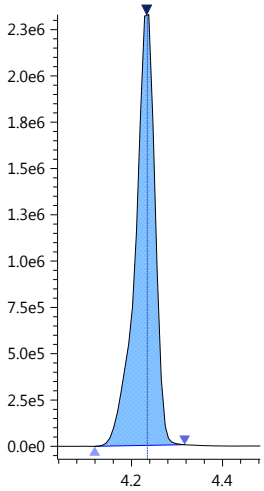
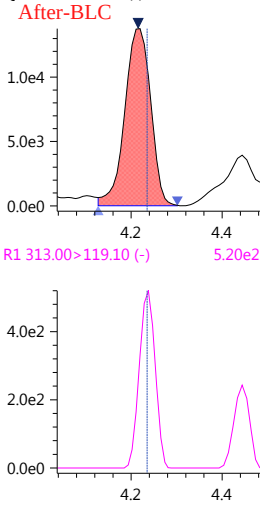
PFHxA-13C
Conc 4.8729
RT 4.234 Area 7034235
Q 314.90>270.10 (-) 2.33e6

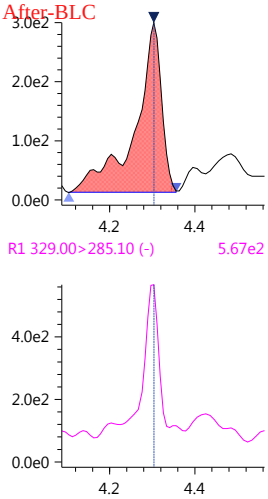


PFHxA
Conc 0.0031
RT 4.215 Area 54612
R#1 1.31 (0.00)
Q 313.00>269.00 (-) 1.38e4



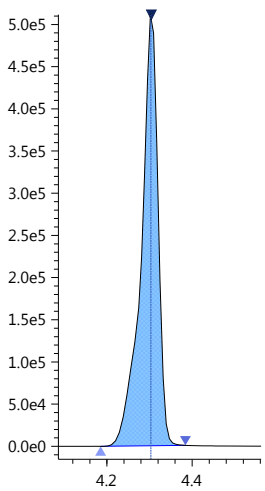
R1 313.00>119.10 (-) 5.20e2

HPFO_DA
Conc 0.0045
RT 4.303 Area 1232
R#1 157.43 (0.00)
Q 329.00>169.00 (-) 3.00e2

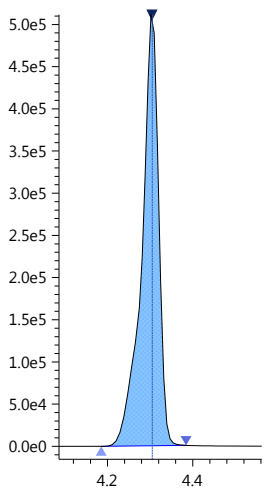


R1 329.00>285.10 (-) 5.67e2

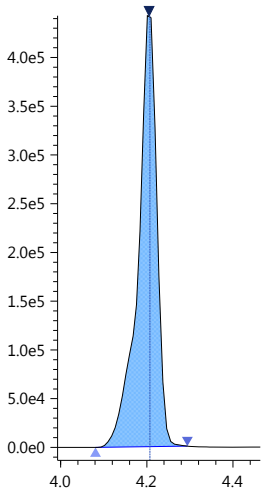
HFPO_DA-13C_IS
Conc 5.0000
RT 4.304 Area 1402546
ISTD 332.00>286.80 (-) 5.12e5



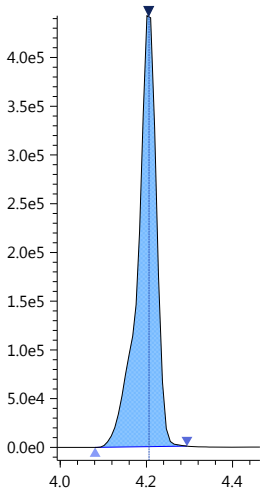
HFPO_DA-13C
Conc 4.7386
RT 4.304 Area 1402546
Q 332.00>286.80 (-) 5.12e5



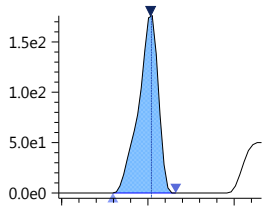
4_2-FTS-13C_IS
Conc 5.0000
RT 4.205 Area 1346682
ISTD 328.80>309.05 (-) 4.43e5



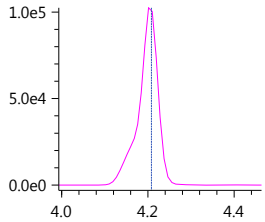
4_2-FTS-13C
Conc 4.8857
RT 4.205 Area 1346682
Q 328.80>309.05 (-) 4.43e5



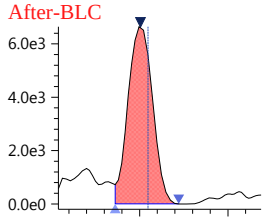
4_2-FTS_1
Conc 0.0020
RT 4.206 Area 565
R#1 57596.51 (0.00)
Q 327.00>307.05 (-) 1.76e2



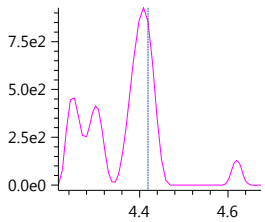
R1 327.00>81.10 (-) 1.03e5



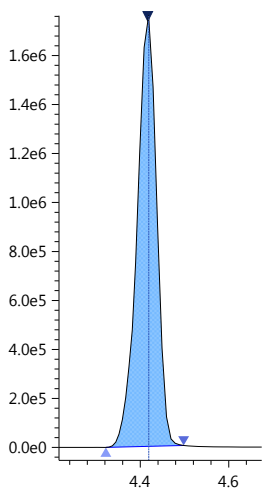
PFHpA
Conc 0.0032
RT 4.402 Area 25767
R#1 13.80 (0.00)
Q 362.90>319.00 (-) 6.64e3



R1 362.90>169.00 (-) 9.27e2



PFHpA-13C_IS
Conc 5.0000
RT 4.417 Area 5439577
ISTD 366.90>322.10 (-) 1.76e6



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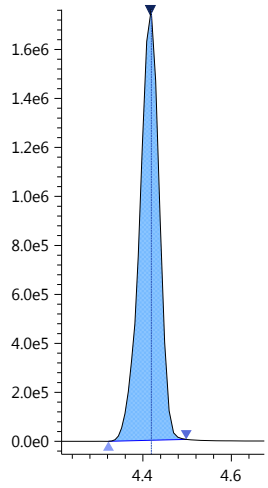
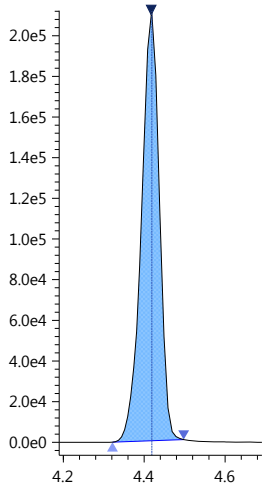
PFHpA-13C
Conc 4.3335
RT 4.417 Area 5439577

Q 366.90>322.10 (-) 1.76e6



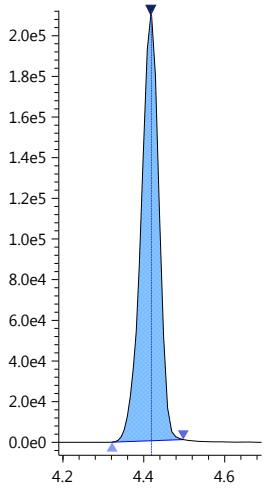
PFHxS-18O_IS
Conc 5.0000
RT 4.417 Area 651600

ISTD 402.70>84.05 (-) 2.12e5



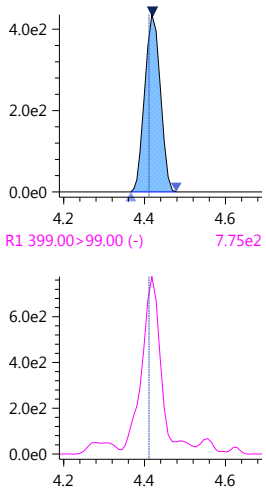
PFHxS-18O
Conc 4.4822
RT 4.417 Area 651600

Q 402.70>84.05 (-) 2.12e5



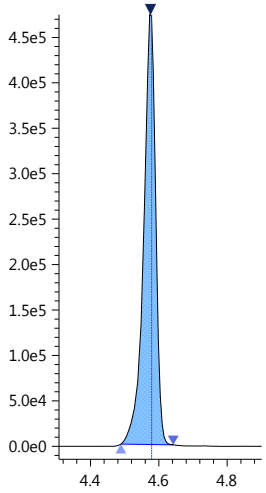
PFHxS_1
Conc 0.0066
RT 4.420 Area 1176
R#1 156.53 (0.00)

Q 399.00>80.00 (-) 4.36e2



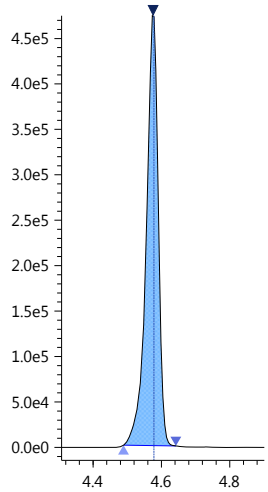
6_2-FTS-13C
Conc 5.1838
RT 4.576 Area 1154920

Q 428.90>409.00 (-) 4.75e5



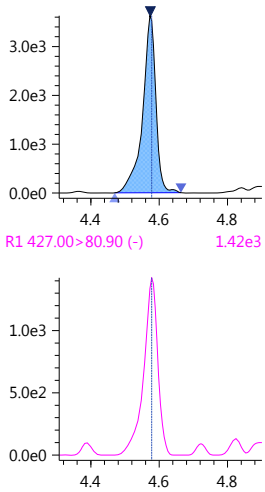
6_2-FTS-13C_IS
Conc 5.0000
RT 4.576 Area 1154920

ISTD 428.90>409.00 (-) 4.75e5



6_2-FTS_1
Conc 0.0383
RT 4.574 Area 9786
R#1 34.95 (0.00)

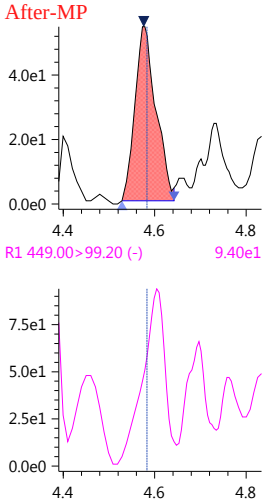
Q 427.00>407.00 (-) 3.63e3



PFHpS_1
Conc 0.0008
RT 4.576 Area 172
R#1 64.15 (0.00)

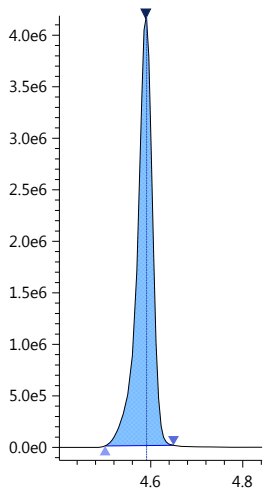
Q 449.00>80.15 (-) 5.50e1

After-MP



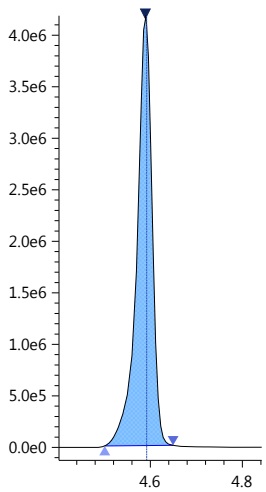
PFOA-13C_IS
Conc 5.0000
RT 4.589 Area 9575162

ISTD 416.80>372.05 (-) 4.19e6



PFOA-13C
Conc 5.0654
RT 4.589 Area 9575162

Q 416.80>372.05 (-) 4.19e6



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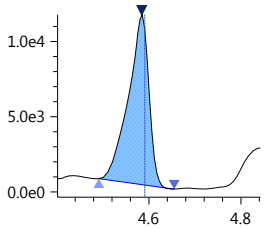
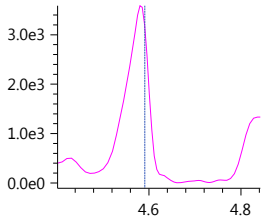
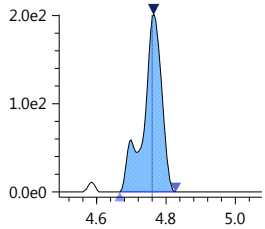
PFOA
Conc -0.0035
RT 4.584 Area 35121
R#1 30.24 (0.00)
Q 413.00>369.00 (-) 1.18e4



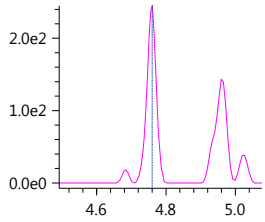
R1 413.00>169.10 (-) 3.59e3



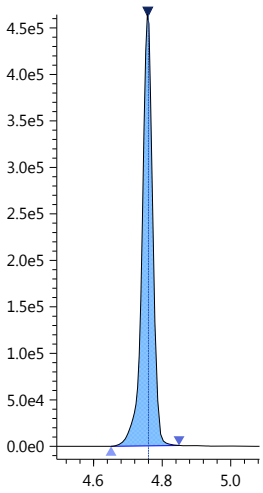
PFOS_1
Conc 0.0047
RT 4.764 Area 735
R#1 99.03 (0.00)
Q 499.00>80.00 (-) 2.01e2



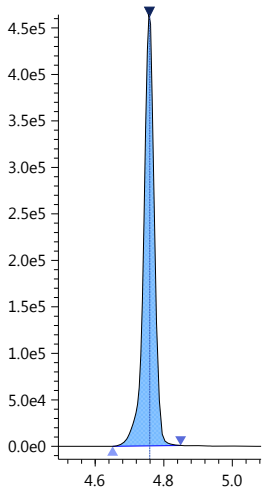
R1 499.00>99.00 (-) 2.45e2



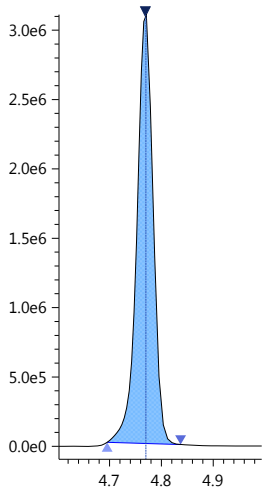
PFOS-13C_IS
Conc 5.0000
RT 4.758 Area 1004276
ISTD 502.80>80.05 (-) 4.64e5



PFOS-13C
Conc 5.0457
RT 4.758 Area 1004276
Q 502.80>80.05 (-) 4.64e5



PFNA-13C_IS
Conc 5.0000
RT 4.769 Area 6775262
ISTD 467.80>423.00 (-) 3.11e6



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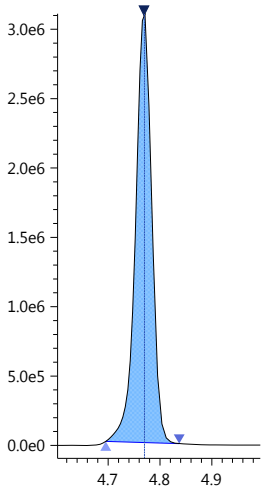
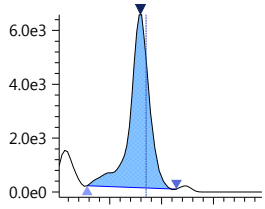
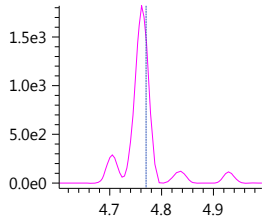
Conc 5.3138
RT 4.769 Area 6775262
Q 467.80>423.00 (-) 3.11e6



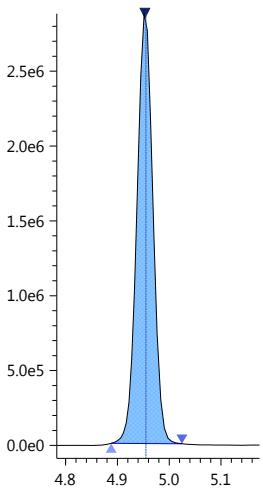
PFNA
Conc -0.0073
RT 4.759 Area 16744
R#1 28.45 (0.00)
Q 463.00>418.90 (-) 6.58e3



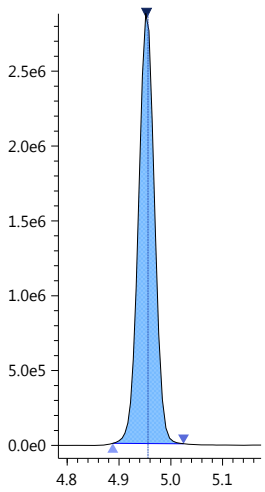
R1 463.00>219.00 (-) 1.82e3



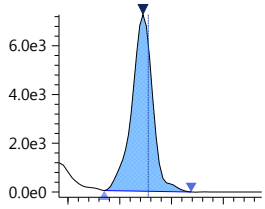
PFDA-13C_IS
Conc 5.0000
RT 4.953 Area 6207762
ISTD 514.80>469.95 (-) 2.88e6



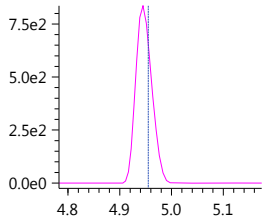
PFDA-13C
Conc 5.1300
RT 4.953 Area 6207762
Q 514.80>469.95 (-) 2.88e6



PFDA
Conc 0.0159
RT 4.945 Area 20249
R#1 11.73 (0.00)
Q 513.00>468.80 (-) 7.28e3



R1 513.00>219.10 (-) 8.36e2



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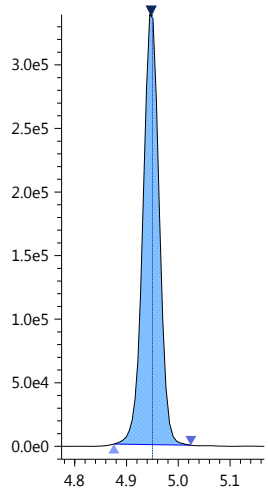
8_2-FTS-13C_IS

Conc 5.0000
RT 4.948 Area 746825

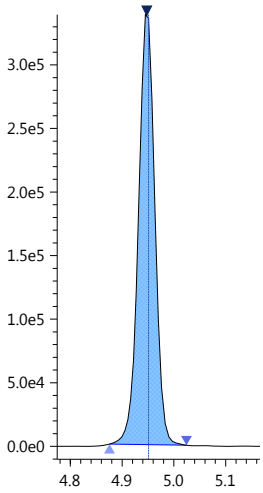
ISTD 528.80>509.00 (-) 3.40e5



8_2-FTS-13C

Conc 5.1737
RT 4.948 Area 746825

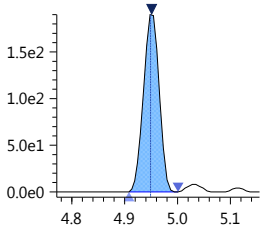
Q 528.80>509.00 (-) 3.40e5



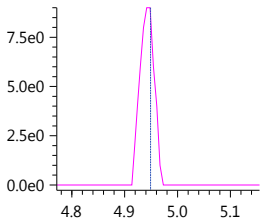
8_2-FTS_1

Conc 0.0031
RT 4.951 Area 396
R#1 4.52 (6.32)

Q 527.10>506.90 (-) 1.90e2



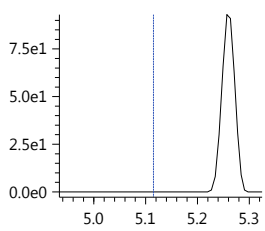
R1 527.20>487.00 (-) 9.00e0



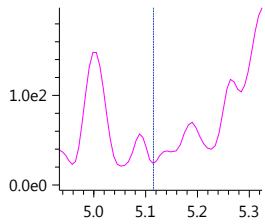
PFDS_1

Conc ----
RT ---- Area ----
R#1 ---- (0.00)

Q 599.00>79.90 (-) 9.30e1



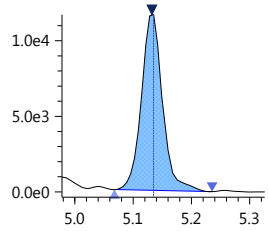
R1 599.00>99.10 (-) 1.98e2



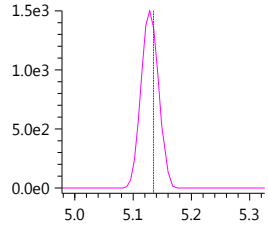
PFUnA

Conc 0.0010
RT 5.132 Area 29348
R#1 11.50 (0.00)

Q 563.00>518.90 (-) 1.17e4



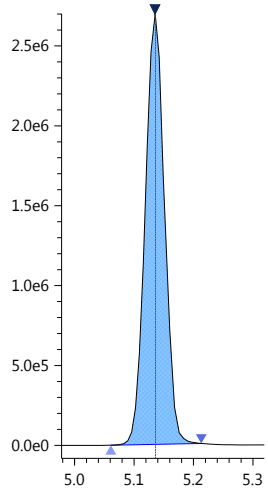
R1 563.00>219.00 (-) 1.50e3



PFUnA-13C_IS

Conc 5.0000
RT 5.135 Area 6092268

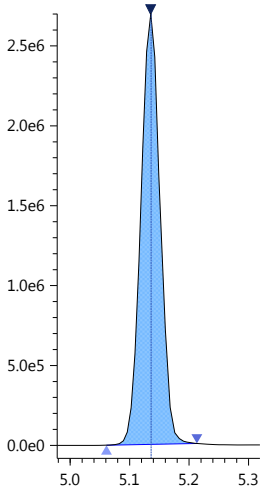
ISTD 564.80>519.95 (-) 2.70e6



PFUnA-13C

Conc 5.2107
RT 5.135 Area 6092268

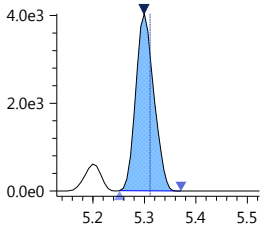
Q 564.80>519.95 (-) 2.70e6



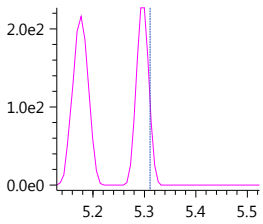
PFDoA

Conc -0.0039
RT 5.299 Area 9910
R#1 5.73 (0.00)

Q 613.05>569.00 (-) 4.04e3



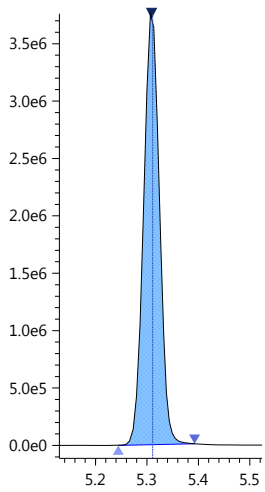
R1 613.05>169.00 (-) 2.27e2



PFDoA-13C

Conc 4.9243
RT 5.309 Area 8104221

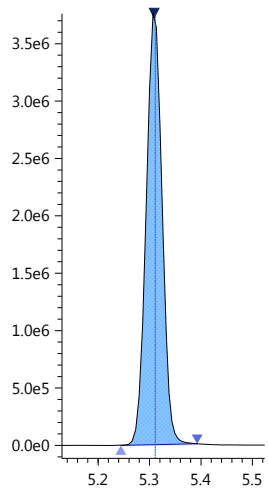
Q 614.80>569.95 (-) 3.76e6



PFDoA-13C_IS

Conc 5.0000
RT 5.309 Area 8104221

ISTD 614.80>569.95 (-) 3.76e6



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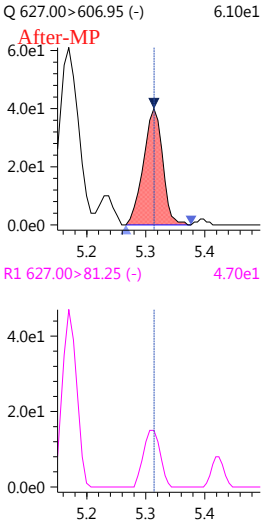
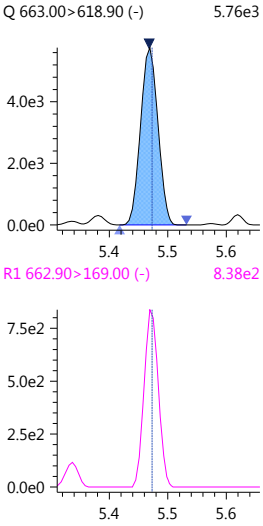
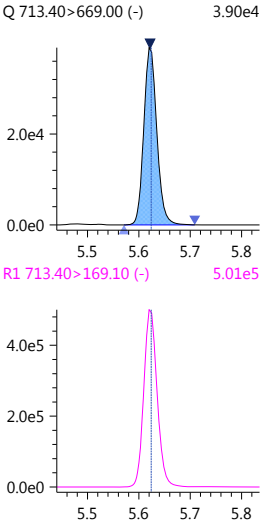
10_2-FtS_1
Conc 0.0010
RT 5.314 Area 91
R#1 38.10 (0.00)



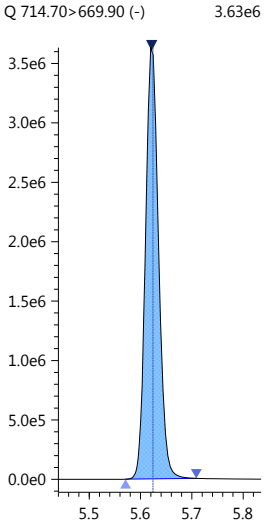
PFTrDA
Conc 0.0036
RT 5.468 Area 11895
R#1 14.59 (0.00)



PFTeDA
Conc 0.0113
RT 5.622 Area 68766
R#1 1275.78 (0.00)



PFTeDA-13C
Conc 4.7039
RT 5.622 Area 6434366



PFTeDA-13C_IS
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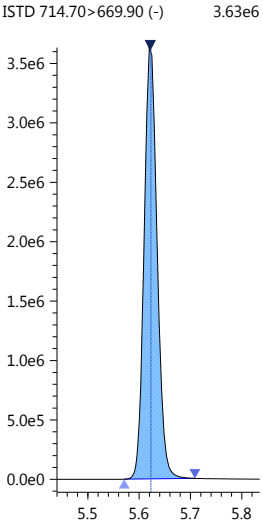
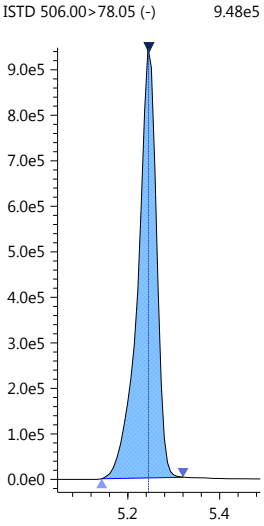
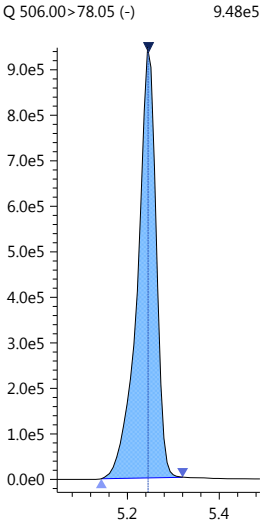
RT 5.622 Area 6434366



FOSA-13C_IS
Conc 5.0000
RT 5.246 Area 2676968



FOSA-13C
Conc 5.3251
RT 5.246 Area 2676968



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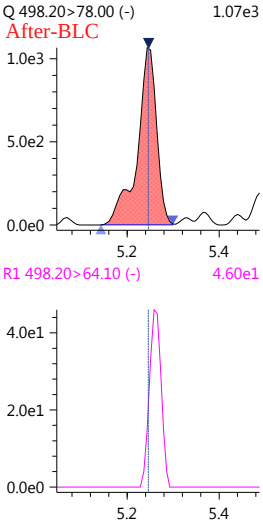
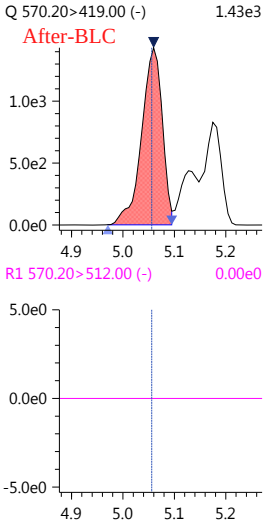
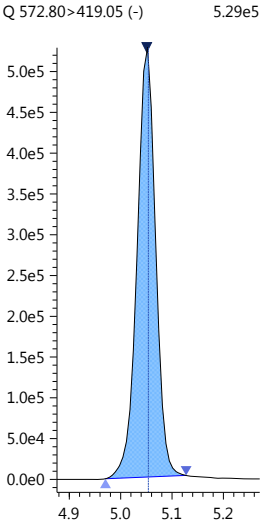
Conc 0.0044
RT 5.247 Area 3115
R#1 1.39 (0.00)



N-MeFOSAA
Conc 0.0211
RT 5.060 Area 3993
R#1 0.00 (0.00)



N-MeFOSAA-d3
Conc 4.7642
RT 5.051 Area 1324008



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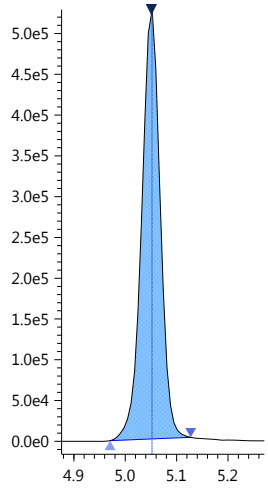
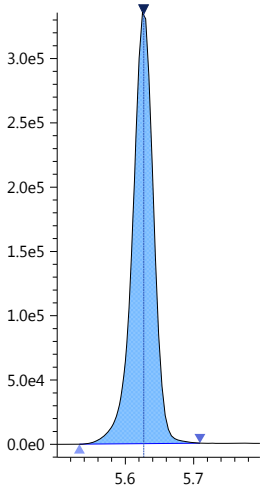
N-MeFOSAA-d3_IS
Conc 5.0000
RT 5.051 Area 1324008

ISTD 572.80>419.05 (-) 5.29e5



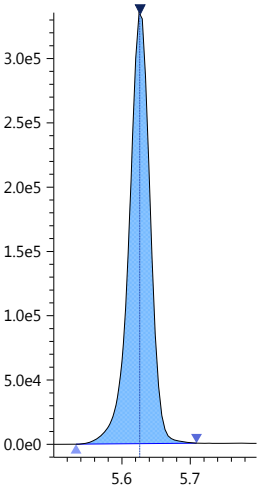
N-MeFOSA-d3_IS
Conc 5.0000
RT 5.627 Area 721084

ISTD 514.90>168.90 (-) 3.36e5



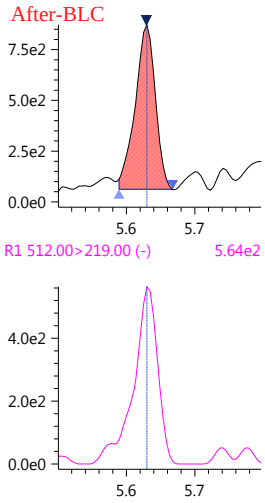
N-MeFOSA-d3
Conc 4.1206
RT 5.627 Area 721084

Q 514.90>168.90 (-) 3.36e5



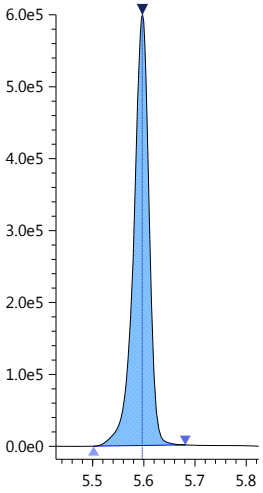
N-MeFOSA
Conc 0.0068
RT 5.629 Area 1661
R#1 66.10 (0.00)

Q 512.00>169.10 (-) 8.73e2



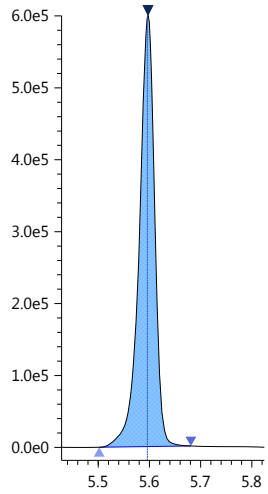
N-MeFOSE-d7
Conc 4.5874
RT 5.597 Area 1256347

Q 622.70>59.10 (-) 6.00e5



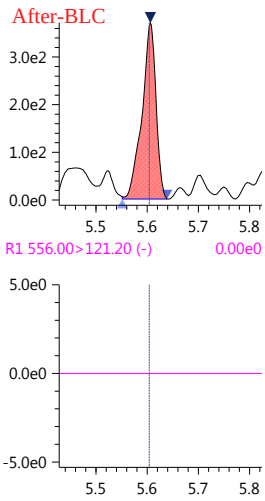
N-MeFOSE-d7_IS
Conc 5.0000
RT 5.597 Area 1256347

ISTD 622.70>59.10 (-) 6.00e5



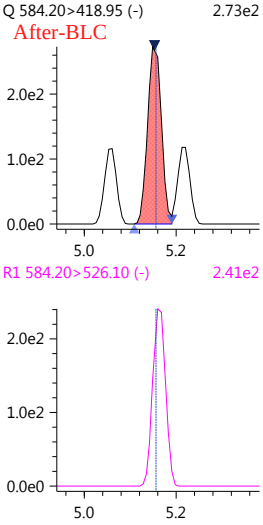
N-MeFOSE
Conc 0.0022
RT 5.606 Area 705
R#1 0.00 (0.00)

Q 616.00>59.00 (-) 3.72e2



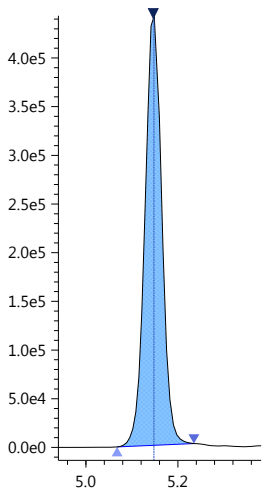
N-EtFOSAA
Conc 0.0042
RT 5.153 Area 571
R#1 61.40 (0.00)

Q 584.20>418.95 (-) 2.73e2



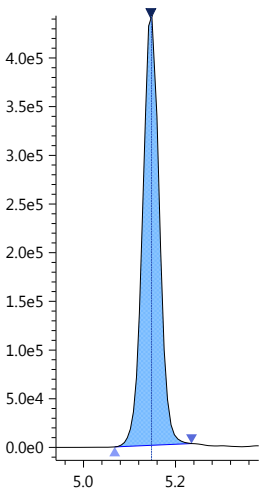
N-EtFOSAA-d5_IS
Conc 5.0000
RT 5.146 Area 1124995

ISTD 588.80>419.00 (-) 4.43e5



N-EtFOSAA-d5
Conc 4.9707
RT 5.146 Area 1124995

Q 588.80>419.00 (-) 4.43e5



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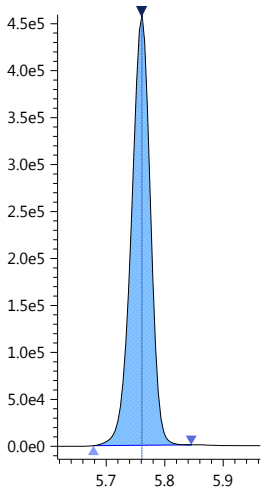
N-EtFOSA-d9_IS

Conc 5.0000
RT 5.761 Area 1037223

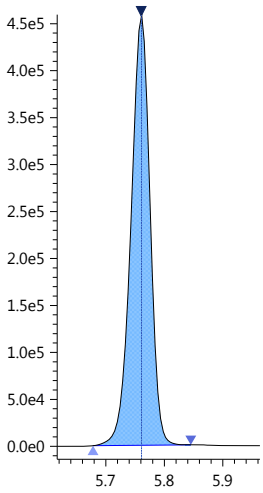
ISTD 530.90>169.15 (-) 4.60e5



N-EtFOSA-d9

Conc 4.0511
RT 5.761 Area 1037223

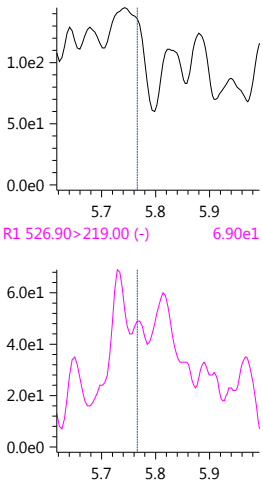
Q 530.90>169.15 (-) 4.60e5



N-EtFOSA

Conc ----
RT ---- Area ----
R#1 ---- (0.00)

Q 526.90>169.10 (-) 1.45e2

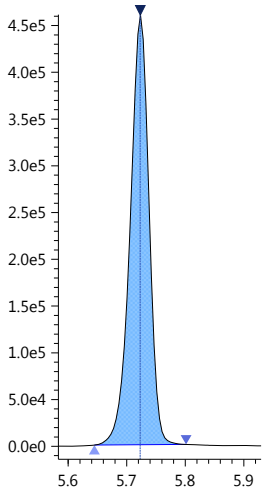


R1 526.90>219.00 (-) 6.90e1

N-EtFOSE-d9_IS

Conc 5.0000
RT 5.723 Area 1033743

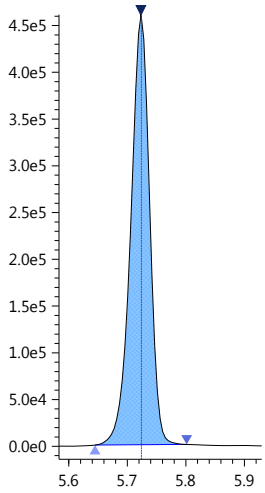
ISTD 638.70>59.10 (-) 4.62e5



N-EtFOSE-d9

Conc 4.2973
RT 5.723 Area 1033743

Q 638.70>59.10 (-) 4.62e5



N-EtFOSE

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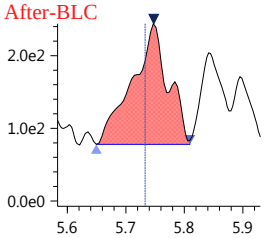
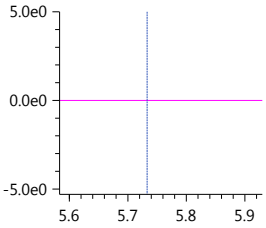
RT 5.748 Area 709
R#1 0.00 (0.00)

Q 630.00>58.90 (-) 2.44e2



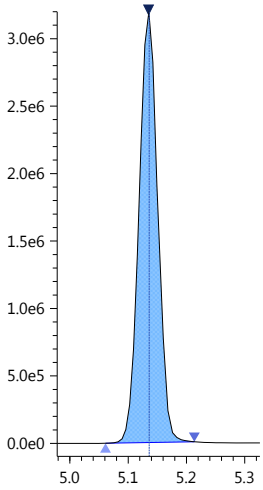
R1 570.00>136.10 (-) 0.00e0



13C7-PFUnDA_IS

Conc 5.0000
RT 5.135 Area 7145051

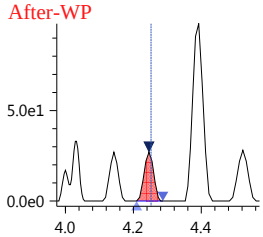
ISTD 570.00>525.00 (-) 3.20e6



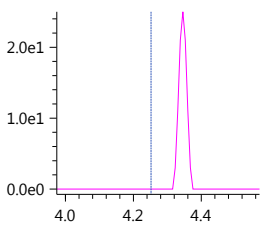
PFPeS

Conc 0.0003
RT 4.246 Area 52
R#1 0.00 (0.00)

Q 349.00>99.00 (-) 9.80e1



R1 349.00>79.95 (-) 2.50e1



PFNS

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RT 4.931 Area 170
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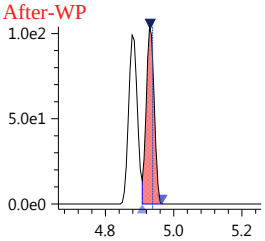

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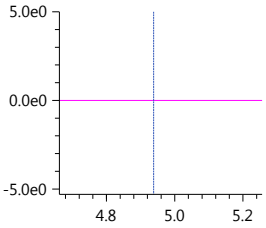


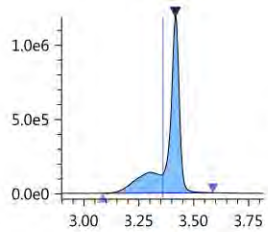
Insight Report

Printed at 6/25/2019 10:11:56 AM

190621_031

Sample ID: IB
Date acquired: 6/24/2019 8:00:33 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190624_curve\190621_031.lcd
Vial: 25 | Inj. Volume: 15.0000uL | Tray: 1

PFBA-13C_IS
Conc 5.0000
RT 3.416 Area 4312483
ISTD 216.90>172.15 (-) 1.19e6



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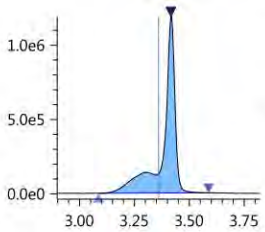
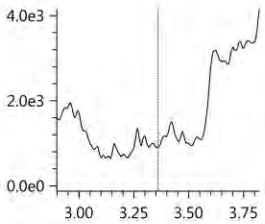


PFBA
Conc ----
RT ---- Area ----
Q 213.00>169.10 (-) 4.17e3



PFPeA-13C_IS
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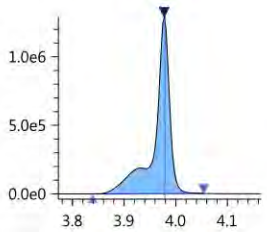
RT 3.978 Area 2559889
ISTD 267.90>223.00 (-) 1.29e6



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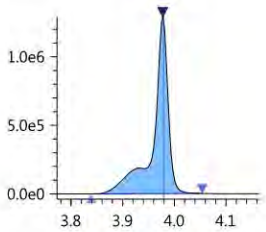

PFPeA
Conc 0.0781
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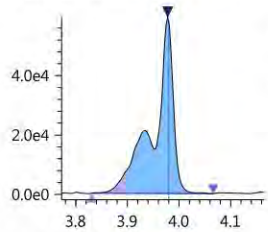
Q 263.05>219.10 (-) 5.97e4



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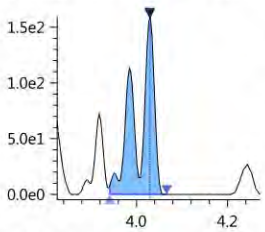
Conc 0.0013
RT 4.029 Area 401
Q 299.00>80.00 (-) 1.59e2



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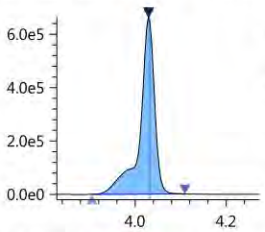
Conc 4.6274
RT 4.030 Area 1469124
Q 301.80>80.00 (-) 6.64e5



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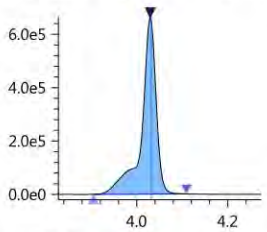

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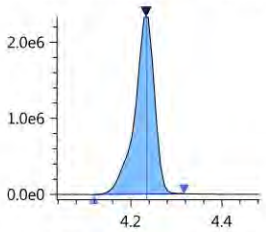

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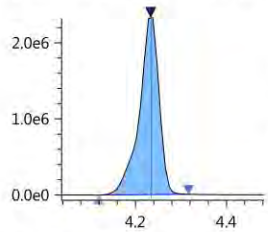

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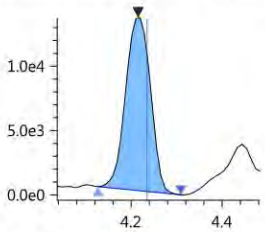
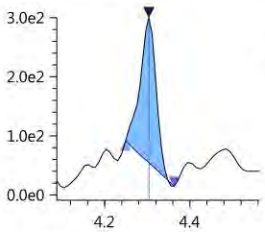
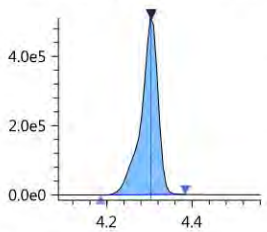
RT 4.215 Area 51225
Q 313.00>269.00 (-) 1.38e4



HPFO_DA
Conc 0.0023
RT 4.303 Area 634
Q 329.00>169.00 (-) 3.00e2



HFPO_DA-13C_IS
Conc 5.0000
RT 4.304 Area 1402546
ISTD 332.00>286.80 (-) 5.12e5



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Conc 4.7386
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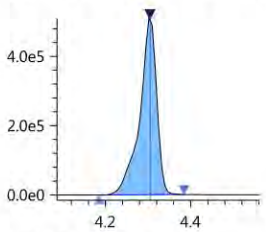
Q 332.00>286.80 (-) 5.12e5



4_2-FTS-13C_IS
Conc 5.0000
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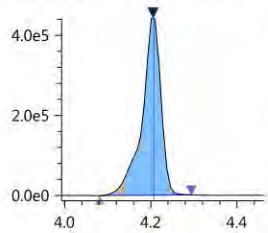
ISTD 328.80>309.05 (-) 4.43e5



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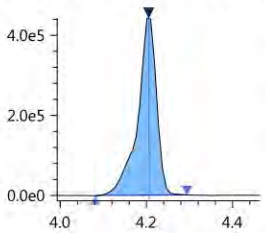

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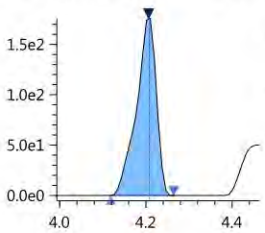

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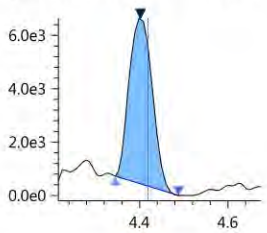
Conc 0.0193
RT 4.402 Area 22681
Q 362.90>319.00 (-) 6.64e3



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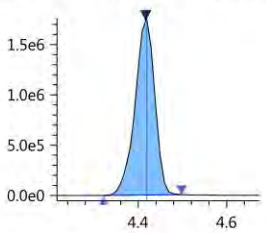

Insight Report

Printed at 6/25/2019 10:11:56 AM

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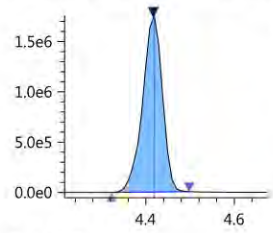

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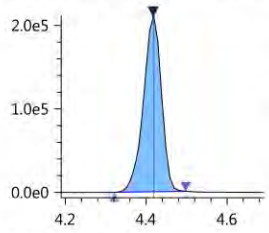
ISTD 402.70>84.05 (-) 2.12e5



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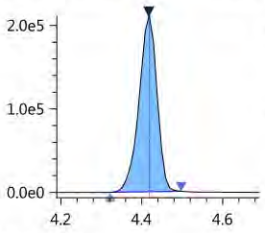

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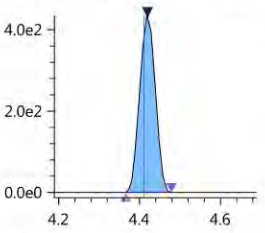
Conc 0.0066
RT 4.420 Area 1176
Q 399.00>80.00 (-) 4.36e2



6_2-FTS-13C
Conc 5.1838
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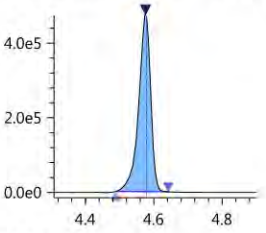
Q 428.90>409.00 (-) 4.75e5



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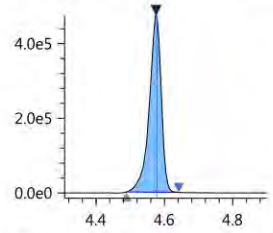

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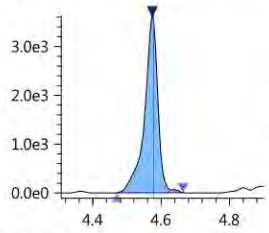
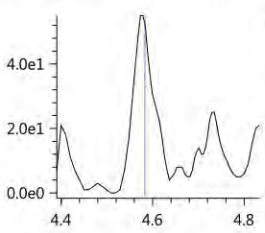


PFHpS_1
Conc ----
RT ---- Area ----
Q 449.00>80.15 (-) 5.50e1



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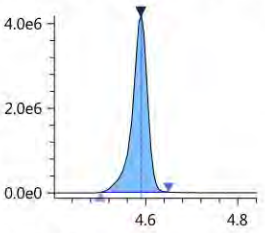
ISTD 416.80>372.05 (-) 4.19e6



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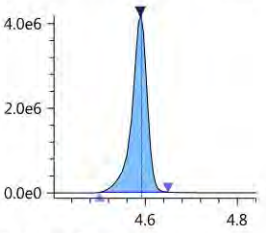

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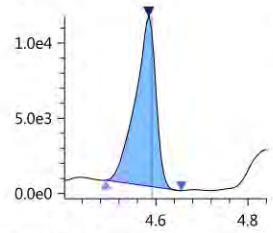
Q 413.00>369.00 (-) 1.18e4



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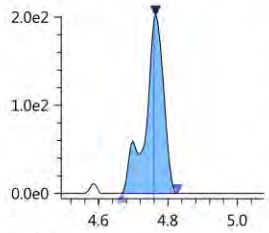
RT 4.764 Area 735
Q 499.00>80.00 (-) 2.01e2



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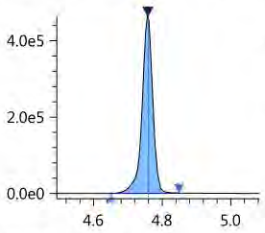

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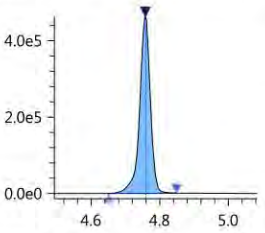
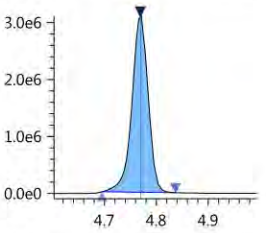


PFNA-13C_IS
Conc 5.0000
RT 4.769 Area 6775262
ISTD 467.80>423.00 (-) 3.11e6



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RT 4.769 Area 6775262
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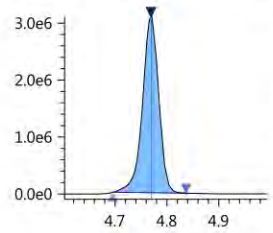

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Conc 0.0135
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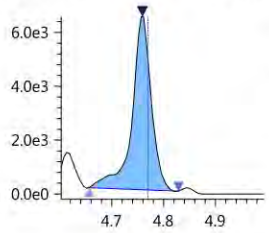

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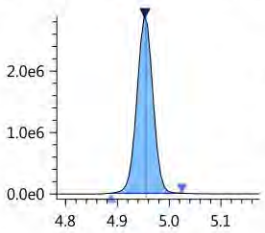

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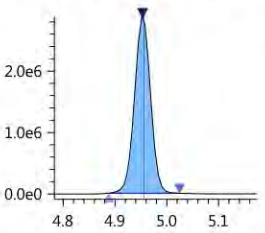

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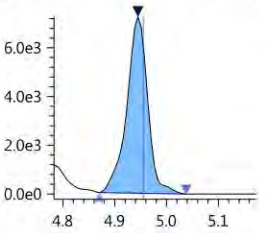

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8_2-FTS-13C_IS
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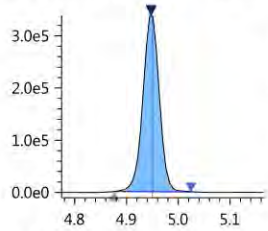

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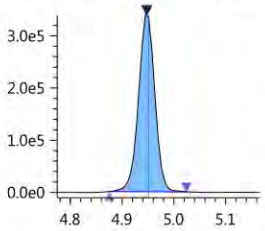

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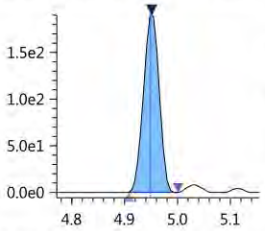

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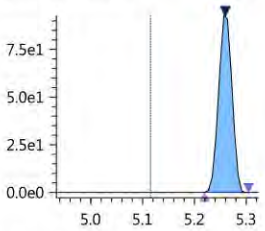

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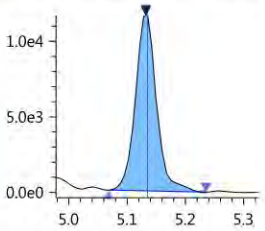

PFUnA-13C_IS
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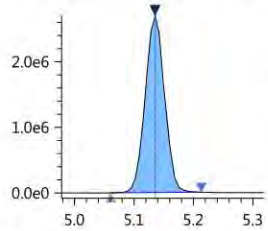

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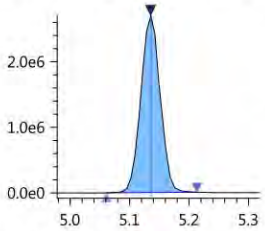

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RT 5.299 Area 9910
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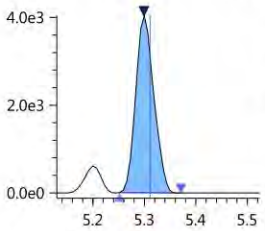

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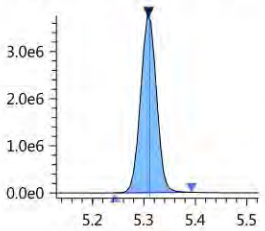

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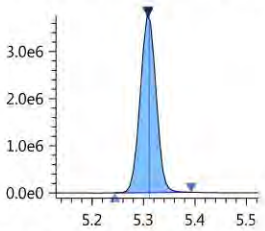

10_2-FtS_1
Conc ----
RT ---- Area ----
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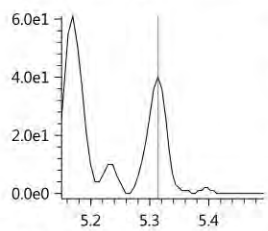

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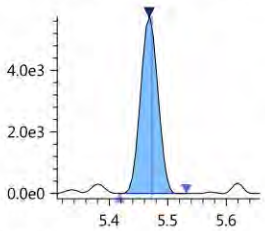

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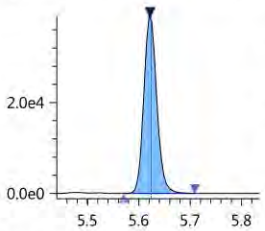
Q 713.40>669.00 (-) 3.90e4



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Conc 4.7039
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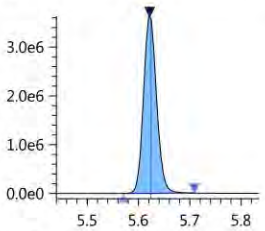
Q 714.70>669.90 (-) 3.63e6



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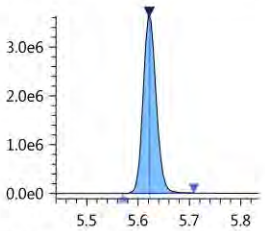

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Conc 5.0000
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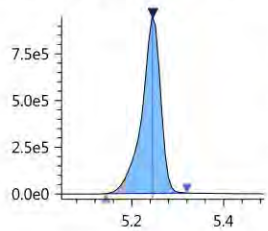
ISTD 506.00>78.05 (-) 9.48e5



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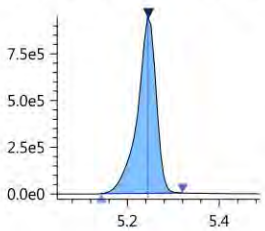

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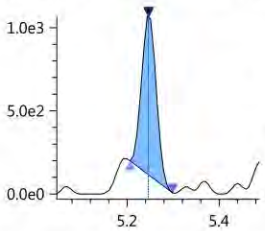

N-MeFOSAA
Conc 0.0185
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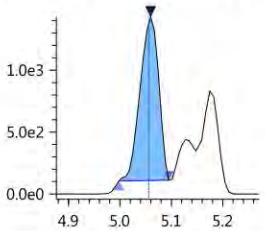

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Conc 4.7642
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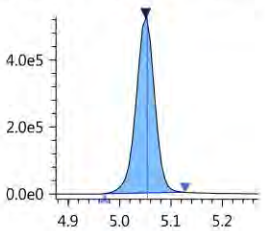
Q 572.80>419.05 (-) 5.29e5



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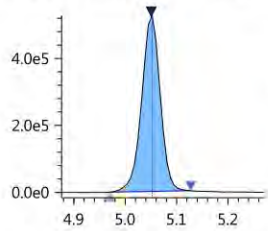

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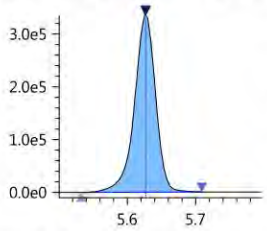
RT 5.627 Area 721084
ISTD 514.90>168.90 (-) 3.36e5



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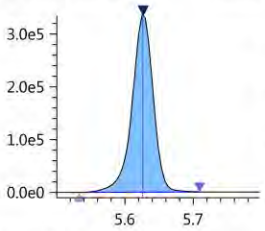
Q 514.90>168.90 (-) 3.36e5



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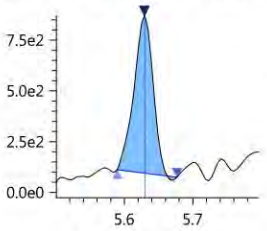
Q 512.00>169.10 (-) 8.73e2



N-MeFOSE-d7
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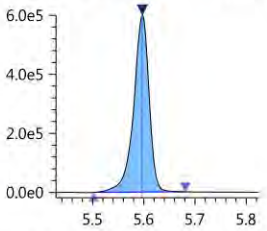
Q 622.70>59.10 (-) 6.00e5



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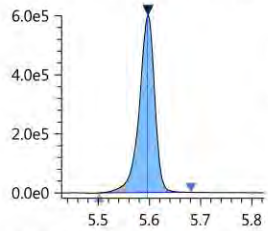
ISTD 622.70>59.10 (-) 6.00e5



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Conc 0.0022
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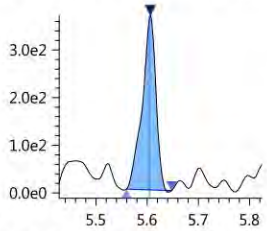
Q 616.00>59.00 (-) 3.72e2



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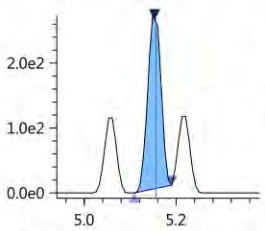

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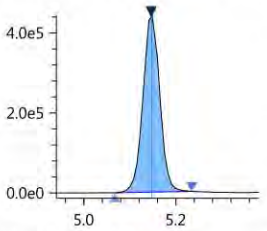

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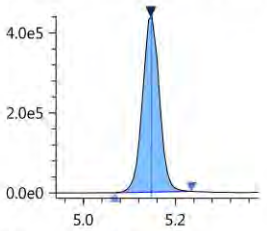

N-EtFOSA-d9_IS
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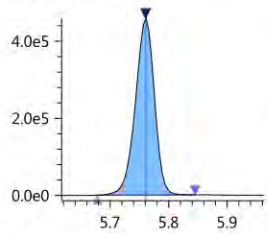

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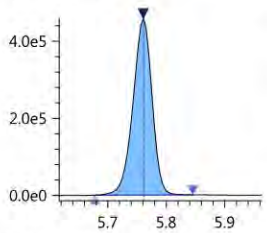

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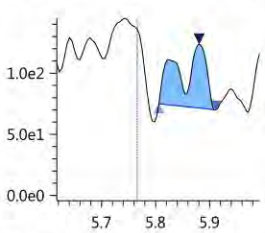
Conc 0.0040
RT 5.881 Area 181
Q 526.90>169.10 (-) 1.45e2



N-EtFOSE-d9_IS
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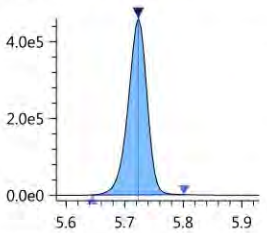

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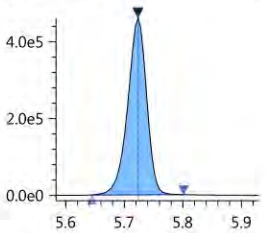

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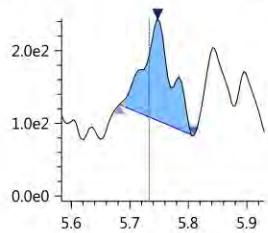

13C7-PFUnDA_IS
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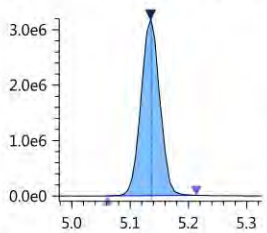

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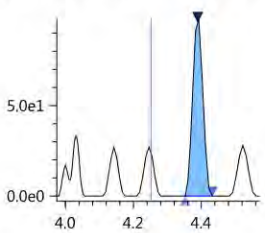
Conc 0.0013
RT 4.389 Area 206
Q 349.00>99.00 (-) 9.80e1



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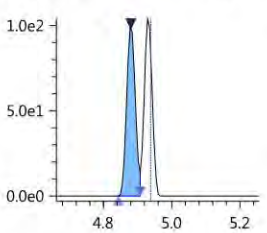
RT 4.880 Area 175
Q 549.00>99.00 (-) 1.04e2



Insight Report

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190621_032

Sample ID: T-PFOA
Date acquired: 6/24/2019 8:11:01 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190624_curve\190621_032.lcd
Vial: 9 | Inj. Volume: 15.0000uL | Tray: 0

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
PFBA-13C_IS	Auto	3.263	15398	15398	2	5.0000	ng/mL	----
PFBA-13C	Auto	3.263	15398	2582	26	45.8848	ng/mL	----
PFBA	ND(W/B)	----	----	15398	2	----	ng/mL	----
PFPeA-13C_IS	Auto	4.094	424	424	4	5.0000	ng/mL	----
PFPeA-13C	Auto	4.094	424	2582	26	2.1303	ng/mL	----
PFPeA	Auto	3.926	32394	424	4	155.7713	ng/mL	----
PFBS_1	Auto	4.215	207	----	16	0.0000	ng/mL	----
PFBS-13C	ND(W/B)	----	----	2582	26	----	ng/mL	----
PFBS-13C_IS	ND(W/B)	----	----	----	16	----	ng/mL	----
PFHxA-13C_IS	Auto	4.225	1092	1092	6	5.0000	ng/mL	----
PFHxA-13C	Auto	4.225	1092	2582	26	2.0936	ng/mL	----
PFHxA	Auto	4.206	33129	1092	6	135.5832	ng/mL	----
HPFO_DA	Auto	4.255	169	201	3	4.3242	ng/mL	----
HFPO_DA-13C_IS	Auto	4.299	201	201	3	5.0000	ng/mL	----
HFPO_DA-13C	Auto	4.299	201	2582	26	1.8805	ng/mL	----
4_2-FTS-13C_IS	Auto	4.197	128	128	5	5.0000	ng/mL	----
4_2-FTS-13C	Auto	4.197	128	2582	26	1.2835	ng/mL	----
4_2-FTS_1	Auto	4.397	136	128	5	5.1961	ng/mL	----
PFHpA	Auto	4.399	38392	686	8	284.0602	ng/mL	----
PFHpA-13C_IS	Auto	4.414	686	686	8	5.0000	ng/mL	----
PFHpA-13C	Auto	4.414	686	2582	26	1.5130	ng/mL	----
PFHxS-18O_IS	ND(W/B)	----	----	----	7	----	ng/mL	----
PFHxS-18O	ND(W/B)	----	----	2582	26	----	ng/mL	----
PFHxS_1	Auto	4.404	219	----	7	0.0000	ng/mL	----
6_2-FTS-13C	Auto	4.574	107	2582	26	1.3342	ng/mL	----
6_2-FTS-13C_IS	Auto	4.574	107	107	10	5.0000	ng/mL	----
6_2-FTS_1	Auto	4.583	703	107	10	29.5835	ng/mL	----
PFHpS_1	ND(W/B)	----	----	----	7	----	ng/mL	----
PFOA-13C_IS	Auto	4.589	1497	1497	9	5.0000	ng/mL	----
PFOA-13C	Auto	4.589	1497	2582	26	2.1914	ng/mL	----
PFOA	Auto	4.589	1138523	1497	9	4549.6981	ng/mL	----
PFOS_1	ND(W/B)	----	----	----	13	----	ng/mL	----
PFOS-13C_IS	ND(W/B)	----	----	----	13	----	ng/mL	----
PFOS-13C	ND(W/B)	----	----	2582	26	----	ng/mL	----
PFNA-13C_IS	Auto	4.738	392	392	11	5.0000	ng/mL	----
PFNA-13C	Auto	4.738	392	2582	26	0.8517	ng/mL	----
PFNA	Auto	4.746	19219	392	11	294.9350	ng/mL	----
PFDA-13C_IS	Auto	4.931	1524	1524	12	5.0000	ng/mL	----
PFDA-13C	Auto	4.931	1524	2582	26	3.4847	ng/mL	----
PFDA	Auto	4.924	14578	1524	12	46.7646	ng/mL	----
8_2-FTS-13C_IS	ND(W/B)	----	----	----	15	----	ng/mL	----
8_2-FTS-13C	ND(W/B)	----	----	2582	26	----	ng/mL	----
8_2-FTS_1	ND(W/B)	----	----	----	15	----	ng/mL	----
PFDS_1	ND(W/B)	----	----	----	13	----	ng/mL	----
PFUnA	Auto	5.114	11515	1077	14	65.8252	ng/mL	----
PFUnA-13C_IS	Auto	5.129	1077	1077	14	5.0000	ng/mL	----
PFUnA-13C	Auto	5.129	1077	2582	26	2.5496	ng/mL	----
PFDoA	Auto	5.285	9970	2647	17	33.9483	ng/mL	----
PFDoA-13C	Auto	5.316	2647	2582	26	4.4518	ng/mL	----
PFDoA-13C_IS	Auto	5.316	2647	2647	17	5.0000	ng/mL	----
10_2-FtS_1	ND(W/B)	----	----	----	15	----	ng/mL	----
PFTrDA	Auto	5.443	6101	1865	22	17.5417	ng/mL	----
PFTeDA	Auto	5.611	4232	1865	22	35.3363	ng/mL	----
PFTeDA-13C	Auto	5.620	1865	2582	26	3.7725	ng/mL	----
PFTeDA-13C_IS	Auto	5.620	1865	1865	22	5.0000	ng/mL	----
FOSA-13C_IS	Auto	5.252	740	740	18	5.0000	ng/mL	----
FOSA-13C	Auto	5.252	740	2582	26	4.0717	ng/mL	----
FOSA	Auto	5.254	402	740	18	2.0508	ng/mL	----
N-MeFOSAA	Auto	5.170	2812	4353	19	4.5170	ng/mL	----
N-MeFOSAA-d3	Auto	5.051	4353	2582	26	43.3493	ng/mL	----
N-MeFOSAA-d3_IS	Auto	5.051	4353	4353	19	5.0000	ng/mL	----
N-MeFOSA-d3_IS	Auto	5.638	161	161	1	5.0000	ng/mL	----
N-MeFOSA-d3	Auto	5.638	161	2582	26	2.5451	ng/mL	----
N-MeFOSA	Auto	5.547	247	161	1	4.5010	ng/mL	----
N-MeFOSE-d7	Auto	5.610	325	2582	26	3.2880	ng/mL	----
N-MeFOSE-d7_IS	Auto	5.610	325	325	20	5.0000	ng/mL	----
N-MeFOSE	Auto	5.593	255	325	20	3.1314	ng/mL	----
N-EtFOSAA	Auto	5.161	584	4545	21	1.0612	ng/mL	----

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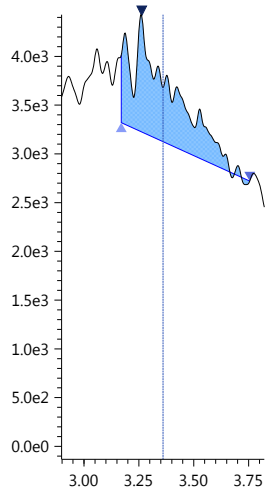
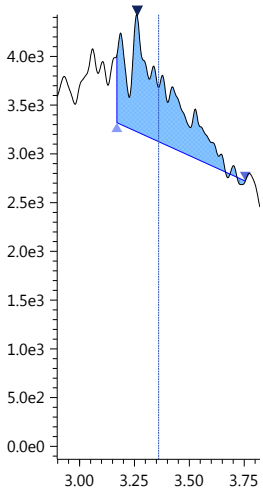
(Table continued from previous page)

Name	Mode ID	Found RT	Area	ISTD Area	ISTD Group	Conc.	Unit	Std. Conc.
N-EtFOSAA-d5_IS	Auto	5.157	4545	4545	21	5.0000	ng/mL	----
N-EtFOSAA-d5	Auto	5.157	4545	2582	26	55.5724	ng/mL	----
N-EtFOSA-d9_IS	Auto	5.878	753	753	23	5.0000	ng/mL	----
N-EtFOSA-d9	Auto	5.878	753	2582	26	8.1420	ng/mL	----
N-EtFOSA	Auto	5.769	240	753	23	7.2130	ng/mL	----
N-EtFOSE-d9_IS	Auto	5.809	694	694	24	5.0000	ng/mL	----
N-EtFOSE-d9	Auto	5.809	694	2582	26	7.9834	ng/mL	----
N-EtFOSE	Auto	5.720	381	694	24	2.2634	ng/mL	----
13C7-PFUnDA_IS	Auto	5.133	2582	2582	26	5.0000	ng/mL	----
PFPeS	Auto	4.246	103	----	16	0.0000	ng/mL	----
PFNS	Auto	5.128	173	----	13	0.0000	ng/mL	----

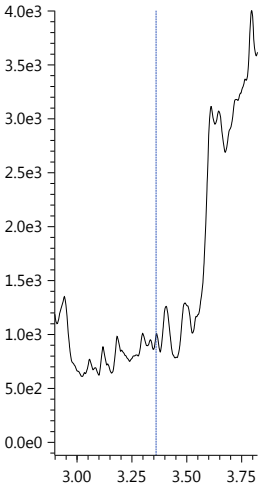
PFBA-13C_IS
Conc 5.0000
RT 3.263 Area 15398
ISTD 216.90>172.15 (-) 4.43e3



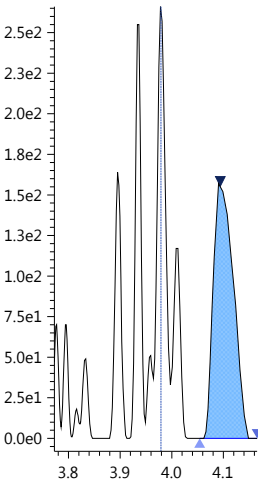
PFBA-13C
Conc 45.8848
RT 3.263 Area 15398
Q 216.90>172.15 (-) 4.43e3



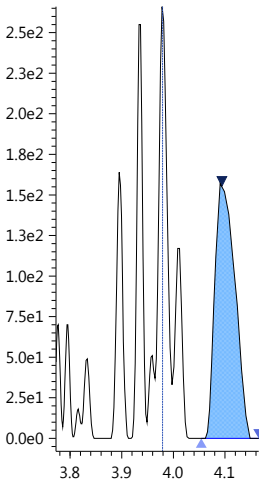
PFBA
Conc ----
RT ---- Area ----
Q 213.00>169.10 (-) 4.00e3



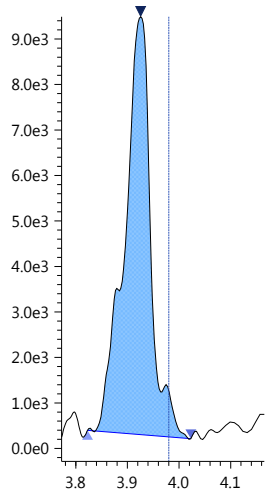
PFPeA-13C_IS
Conc 5.0000
RT 4.094 Area 424
ISTD 267.90>223.00 (-) 2.66e2



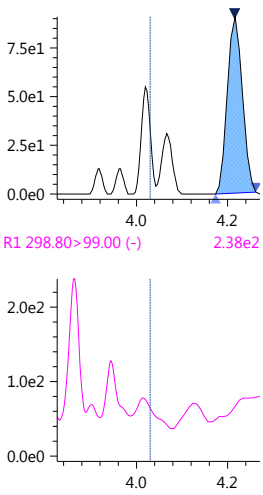
PFPeA-13C
Conc 2.1303
RT 4.094 Area 424
Q 267.90>223.00 (-) 2.66e2



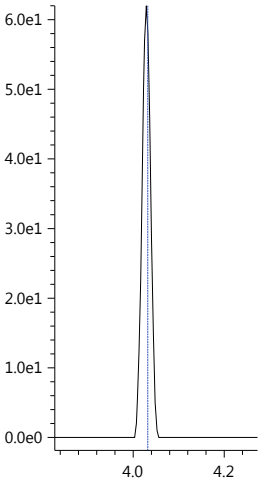
PFPeA
Conc 155.7713
RT 3.926 Area 32394
Q 263.05>219.10 (-) 9.49e3



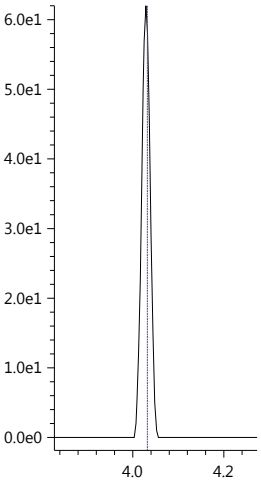
PFBS_1
Conc 0.0000
RT 4.215 Area 207
R#1 0.00 (0.00)
Q 299.00>80.00 (-) 9.10e1



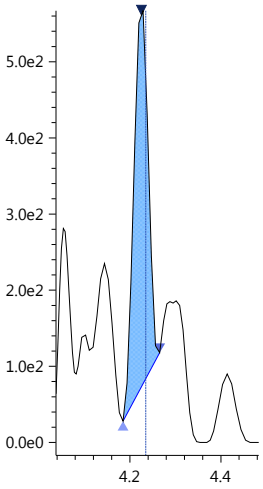
PFBS-13C
Conc ----
RT ---- Area ----
Q 301.80>80.00 (-) 6.20e1



PFBS-13C_IS
Conc ----
RT ---- Area ----
ISTD 301.80>80.00 (-) 6.20e1



PFHxA-13C_IS
Conc 5.0000
RT 4.225 Area 1092
ISTD 314.90>270.10 (-) 5.67e2



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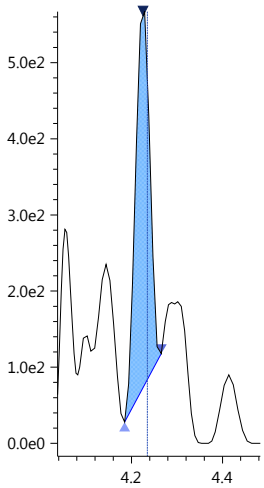
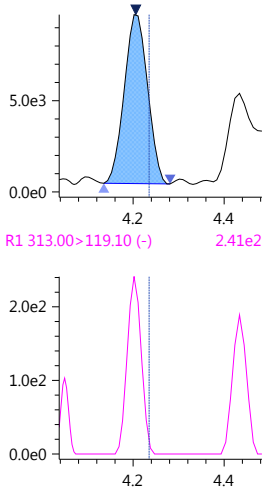
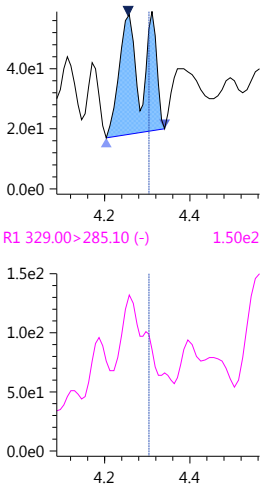
PFHxA-13C
Conc 2.0936
RT 4.225 Area 1092
Q 314.90>270.10 (-) 5.67e2



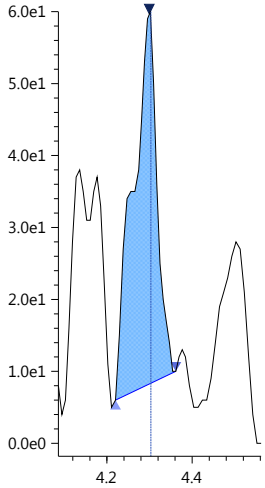
PFHxA
Conc 135.5832
RT 4.206 Area 33129
R#1 2.56 (0.00)
Q 313.00>269.00 (-) 9.72e3
R1 313.00>119.10 (-) 2.41e2



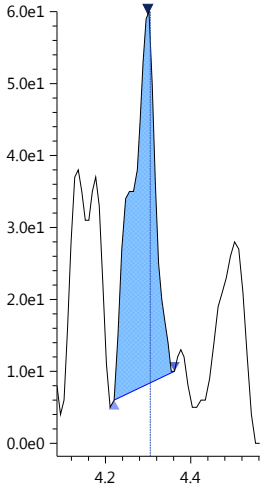
HPFO_DA
Conc 4.3242
RT 4.255 Area 169
R#1 139.02 (0.00)
Q 329.00>169.00 (-) 5.90e1
R1 329.00>285.10 (-) 1.50e2



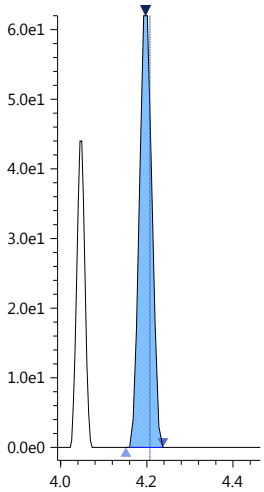
HFPO_DA-13C_IS
Conc 5.0000
RT 4.299 Area 201
ISTD 332.00>286.80 (-) 6.00e1



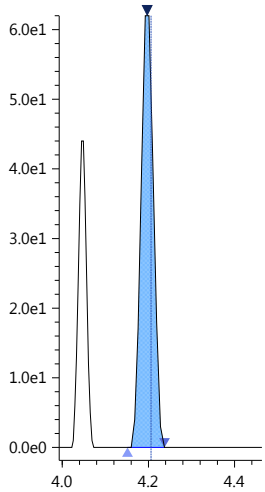
HFPO_DA-13C
Conc 1.8805
RT 4.299 Area 201
Q 332.00>286.80 (-) 6.00e1



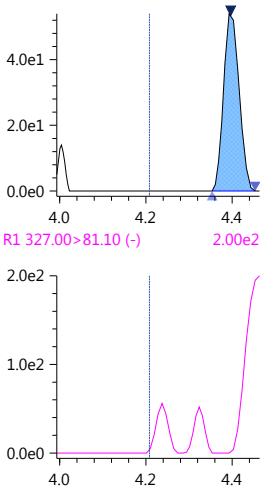
4_2-FTS-13C_IS
Conc 5.0000
RT 4.197 Area 128
ISTD 328.80>309.05 (-) 6.20e1



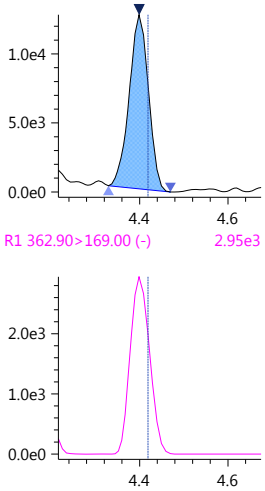
4_2-FTS-13C
Conc 1.2835
RT 4.197 Area 128
Q 328.80>309.05 (-) 6.20e1



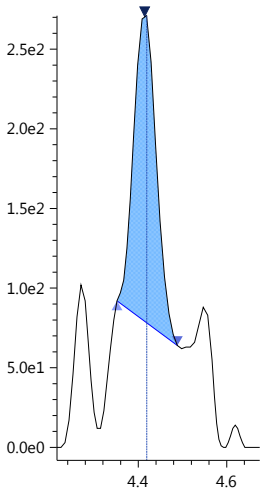
4_2-FTS_1
Conc 5.1961
RT 4.397 Area 136
R#1 0.00 (0.00)
Q 327.00>307.05 (-) 5.40e1
R1 327.00>81.10 (-) 2.00e2



PFHpA
Conc 284.0602
RT 4.399 Area 38392
R#1 23.24 (0.00)
Q 362.90>319.00 (-) 1.28e4
R1 362.90>169.00 (-) 2.95e3



PFHpA-13C_IS
Conc 5.0000
RT 4.414 Area 686
ISTD 366.90>322.10 (-) 2.71e2



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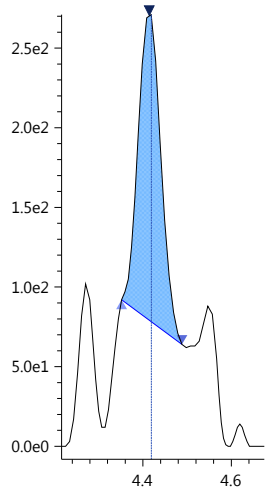
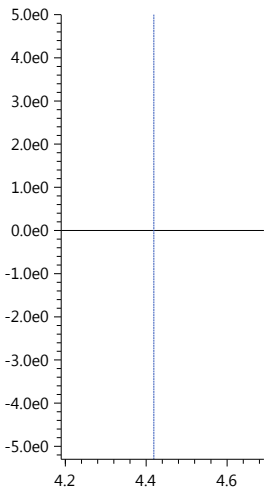
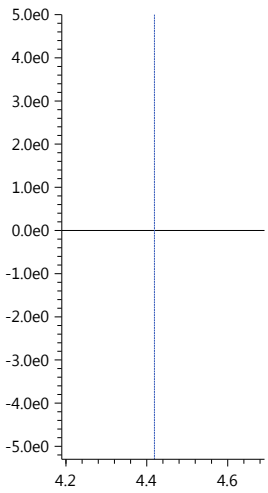
PFHpA-13C
Conc 1.5130
RT 4.414 Area 686
Q 366.90>322.10 (-) 2.71e2



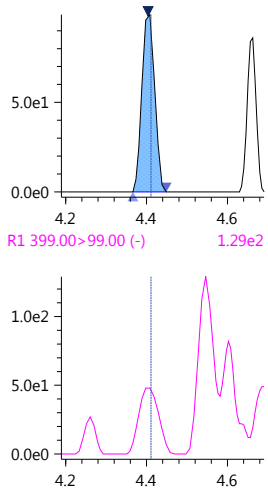
PFHxS-18O_IS
Conc ----
RT ---- Area ----
ISTD 402.70>84.05 (-) 0.00e0



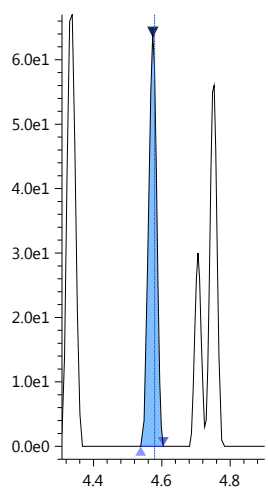
PFHxS-18O
Conc ----
RT ---- Area ----
Q 402.70>84.05 (-) 0.00e0



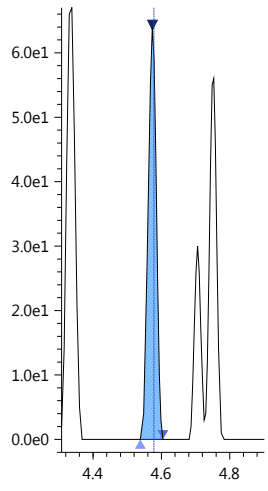
PFHxS_1
Conc 0.0000
RT 4.404 Area 219
R#1 44.68 (0.00)
Q 399.00>80.00 (-) 9.90e1
R1 399.00>99.00 (-) 1.29e2



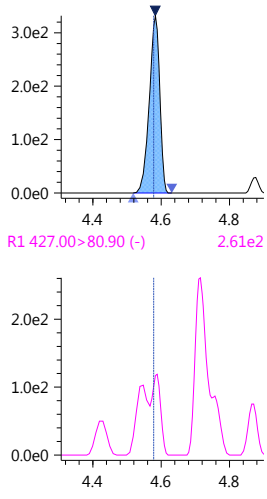
6_2-FTS-13C
Conc 1.3342
RT 4.574 Area 107
Q 428.90>409.00 (-) 6.70e1



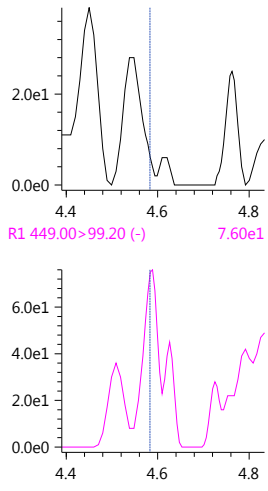
6_2-FTS-13C_IS
Conc 5.0000
RT 4.574 Area 107
ISTD 428.90>409.00 (-) 6.70e1



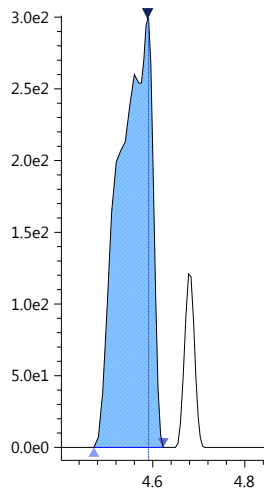
6_2-FTS_1
Conc 29.5835
RT 4.583 Area 703
R#1 31.87 (0.00)
Q 427.00>407.00 (-) 3.32e2
R1 427.00>80.90 (-) 2.61e2



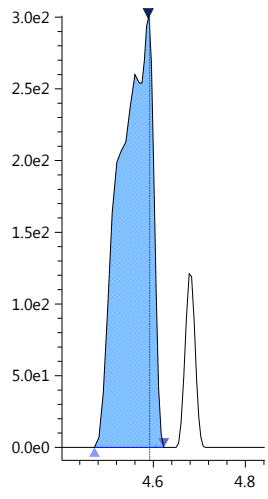
PFHpS_1
Conc ----
RT ---- Area ----
R#1 ---- (0.00)
Q 449.00>80.15 (-) 3.90e1
R1 449.00>99.20 (-) 7.60e1



PFOA-13C_IS
Conc 5.0000
RT 4.589 Area 1497
ISTD 416.80>372.05 (-) 3.01e2



PFOA-13C
Conc 2.1914
RT 4.589 Area 1497
Q 416.80>372.05 (-) 3.01e2



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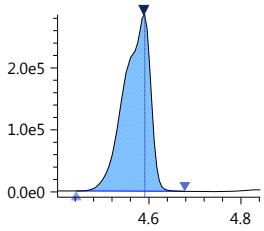
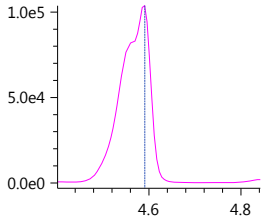
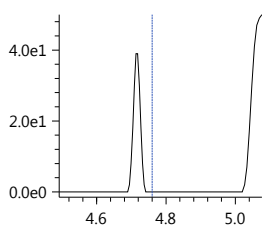
PFOA
Conc 4549.6981
RT 4.589 Area 1138523
R#1 36.49 (0.00)
Q 413.00>369.00 (-) 2.86e5



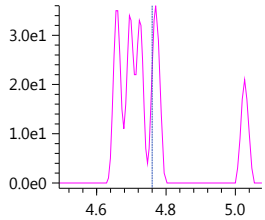
R1 413.00>169.10 (-) 1.04e5



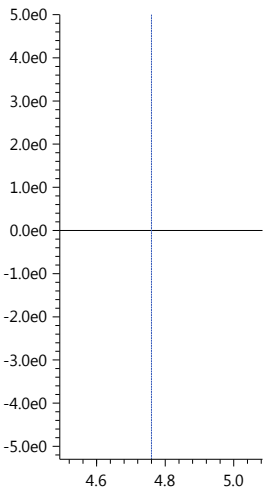
PFOS_1
Conc ----
RT ---- Area ----
R#1 ---- (0.00)
Q 499.00>80.00 (-) 5.00e1



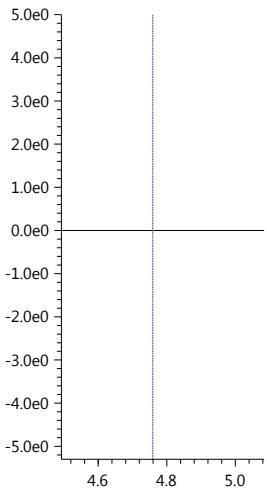
R1 499.00>99.00 (-) 3.60e1



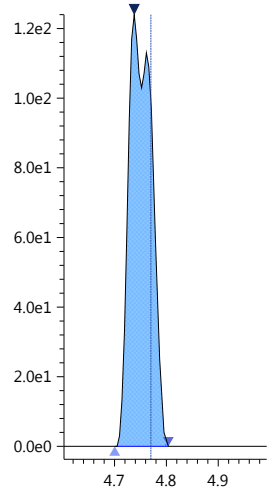
PFOS-13C_IS
Conc ----
RT ---- Area ----
ISTD 502.80>80.05 (-) 0.00e0



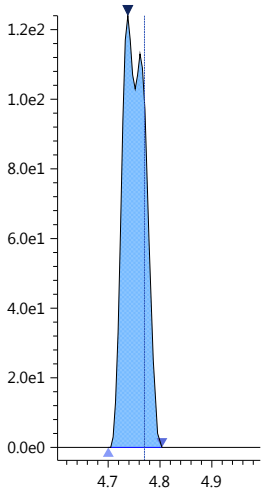
PFOS-13C
Conc ----
RT ---- Area ----
Q 502.80>80.05 (-) 0.00e0



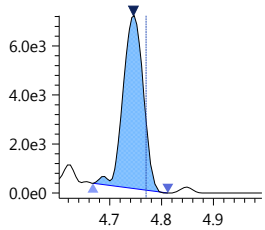
PFNA-13C_IS
Conc 5.0000
RT 4.738 Area 392
ISTD 467.80>423.00 (-) 1.24e2



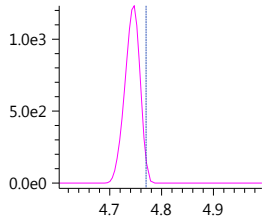
PFNA-13C
Conc 0.8517
RT 4.738 Area 392
Q 467.80>423.00 (-) 1.24e2



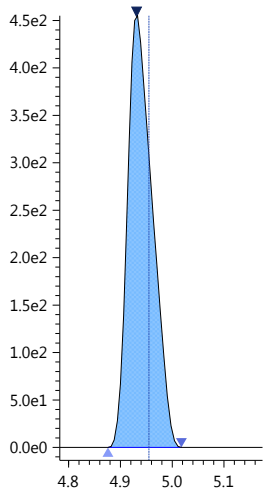
PFNA
Conc 294.9350
RT 4.746 Area 19219
R#1 18.26 (0.00)
Q 463.00>418.90 (-) 7.24e3



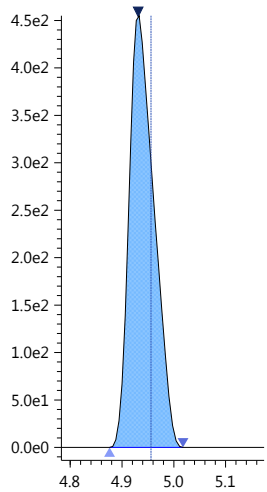
R1 463.00>219.00 (-) 1.23e3



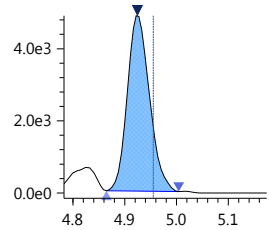
PFDA-13C_IS
Conc 5.0000
RT 4.931 Area 1524
ISTD 514.80>469.95 (-) 4.55e2



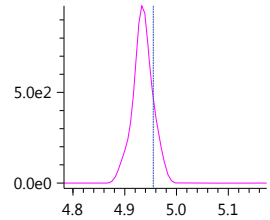
PFDA-13C
Conc 3.4847
RT 4.931 Area 1524
Q 514.80>469.95 (-) 4.55e2



PFDA
Conc 46.7646
RT 4.924 Area 14578
R#1 18.64 (0.00)
Q 513.00>468.80 (-) 4.92e3



R1 513.00>219.10 (-) 9.78e2



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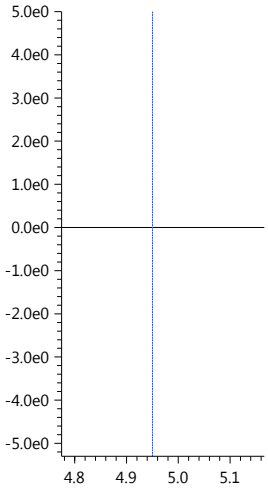
8_2-FTS-13C_IS

Conc ----
RT ---- Area ----

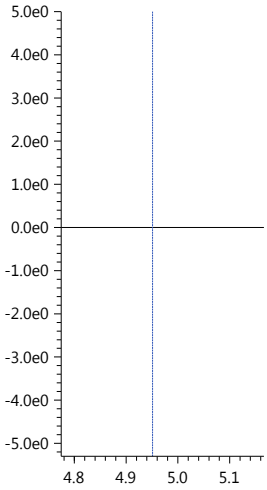
ISTD 528.80>509.00 (-) 0.00e0



8_2-FTS-13C

Conc ----
RT ---- Area ----

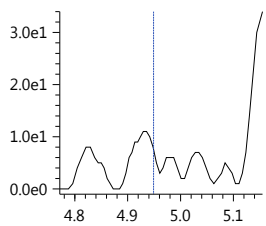
Q 528.80>509.00 (-) 0.00e0



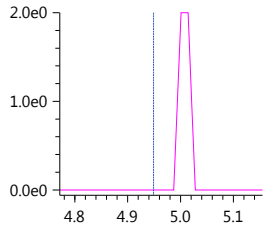
8_2-FTS_1

Conc ----
RT ---- Area ----
R#1 ---- (6.32)

Q 527.10>506.90 (-) 3.40e1



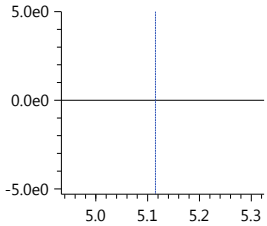
R1 527.20>487.00 (-) 2.00e0



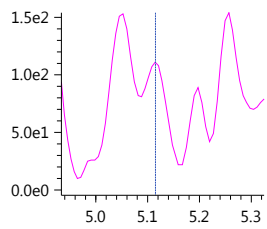
PFDS_1

Conc ----
RT ---- Area ----
R#1 ---- (0.00)

Q 599.00>79.90 (-) 0.00e0



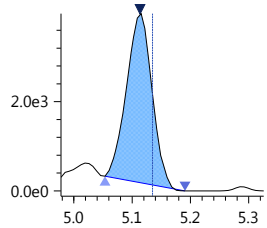
R1 599.00>99.10 (-) 1.54e2



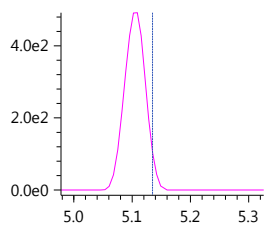
PFUnA

Conc 65.8252
RT 5.114 Area 11515
R#1 11.10 (0.00)

Q 563.00>518.90 (-) 3.97e3



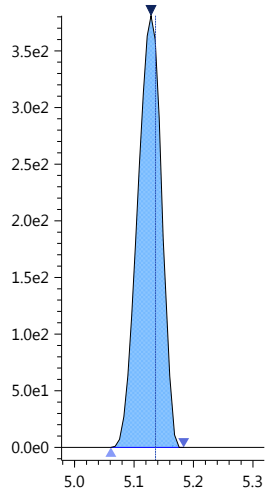
R1 563.00>219.00 (-) 4.92e2



PFUnA-13C_IS

Conc 5.0000
RT 5.129 Area 1077

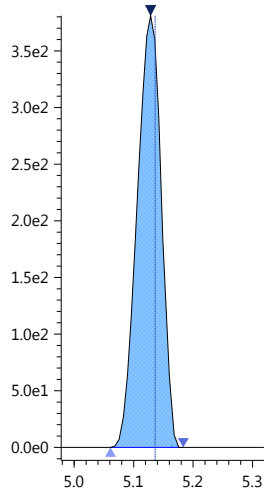
ISTD 564.80>519.95 (-) 3.81e2



PFUnA-13C

Conc 2.5496
RT 5.129 Area 1077

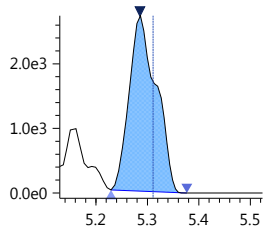
Q 564.80>519.95 (-) 3.81e2



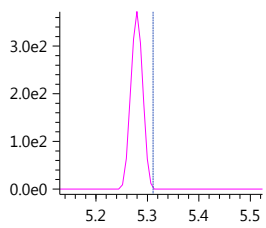
PFDoA

Conc 33.9483
RT 5.285 Area 9970
R#1 11.71 (0.00)

Q 613.05>569.00 (-) 2.75e3



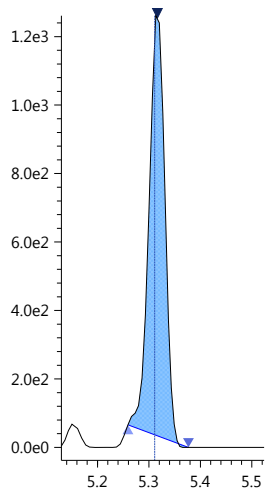
R1 613.05>169.00 (-) 3.72e2



PFDoA-13C

Conc 4.4518
RT 5.316 Area 2647

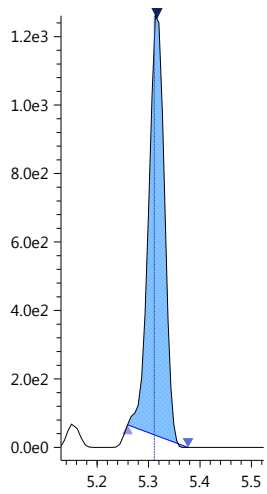
Q 614.80>569.95 (-) 1.26e3



PFDoA-13C_IS

Conc 5.0000
RT 5.316 Area 2647

ISTD 614.80>569.95 (-) 1.26e3



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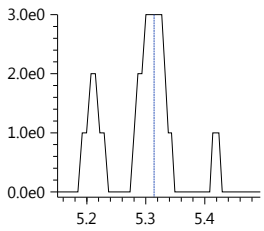
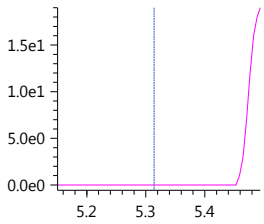
10_2-FtS_1

Conc ----
RT ---- Area ----
R#1 ---- (0.00)

Q 627.00>606.95 (-) 3.00e0



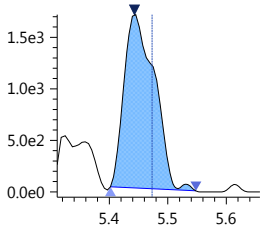
R1 627.00>81.25 (-) 1.90e1



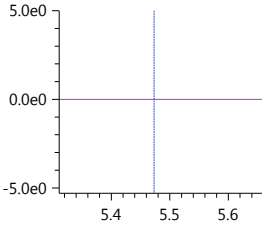
PFTrDA

Conc 17.5417
RT 5.443 Area 6101
R#1 0.00 (0.00)

Q 663.00>618.90 (-) 1.72e3



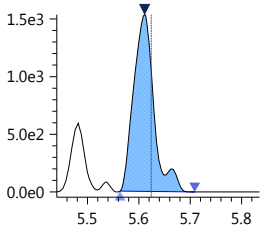
R1 662.90>169.00 (-) 0.00e0



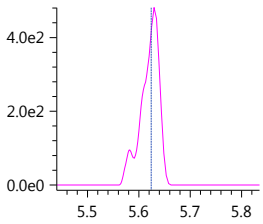
PFTeDA

Conc 35.3363
RT 5.611 Area 4232
R#1 19.83 (0.00)

Q 713.40>669.00 (-) 1.54e3



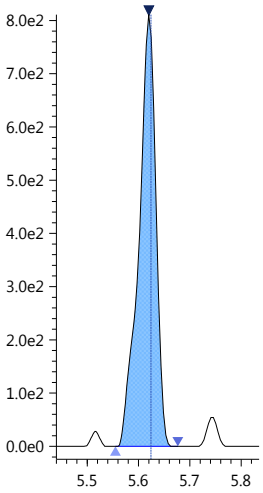
R1 713.40>169.10 (-) 4.81e2



PFTeDA-13C

Conc 3.7725
RT 5.620 Area 1865

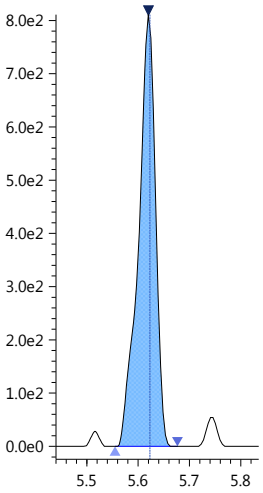
Q 714.70>669.90 (-) 8.11e2



PFTeDA-13C_IS

Conc 5.0000
RT 5.620 Area 1865

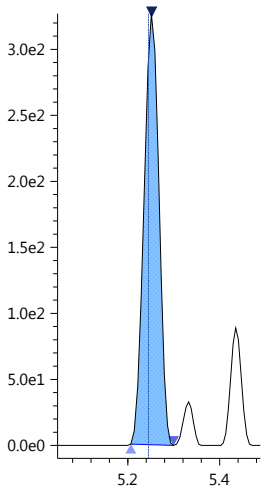
ISTD 714.70>669.90 (-) 8.11e2



FOSA-13C_IS

Conc 5.0000
RT 5.252 Area 740

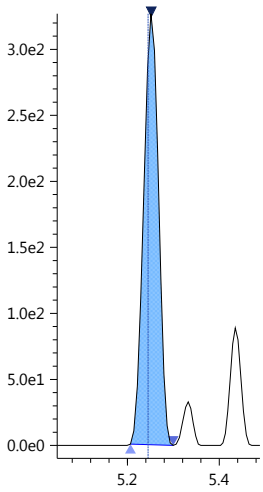
ISTD 506.00>78.05 (-) 3.27e2



FOSA-13C

Conc 4.0717
RT 5.252 Area 740

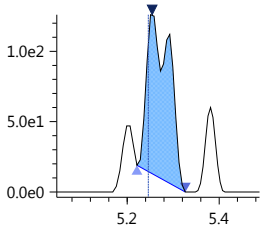
Q 506.00>78.05 (-) 3.27e2



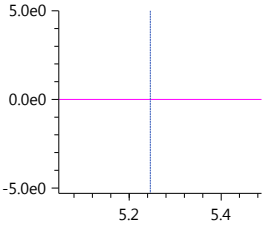
FOSA

Conc 2.0508
RT 5.254 Area 402
R#1 0.00 (0.00)

Q 498.20>78.00 (-) 1.26e2



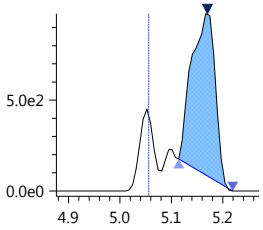
R1 498.20>64.10 (-) 0.00e0



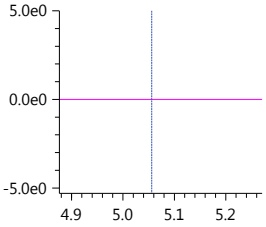
N-MeFOSAA

Conc 4.5170
RT 5.170 Area 2812
R#1 0.00 (0.00)

Q 570.20>419.00 (-) 9.76e2



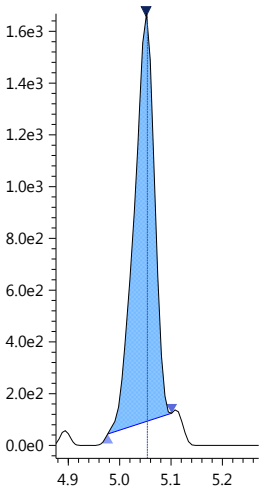
R1 570.20>512.00 (-) 0.00e0



N-MeFOSAA-d3

Conc 43.3493
RT 5.051 Area 4353

Q 572.80>419.05 (-) 1.67e3



Insight Report

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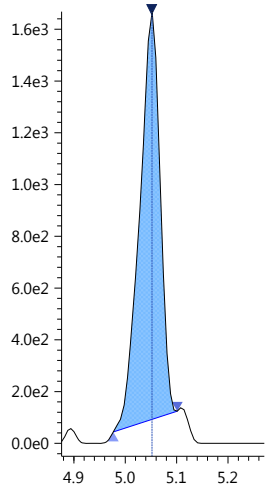
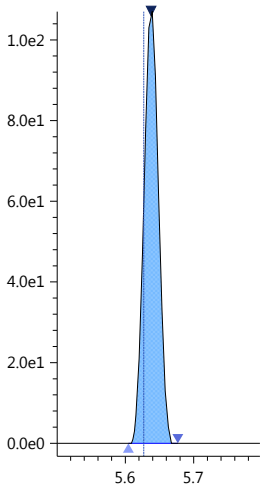
N-MeFOSAA-d3_IS
Conc 5.0000
RT 5.051 Area 4353

ISTD 572.80>419.05 (-) 1.67e3



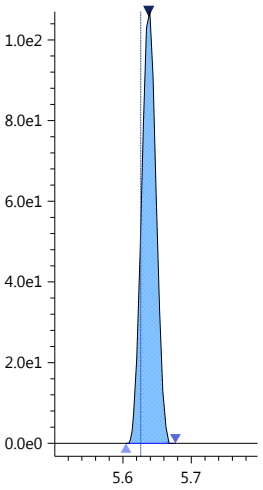
N-MeFOSA-d3_IS
Conc 5.0000
RT 5.638 Area 161

ISTD 514.90>168.90 (-) 1.07e2



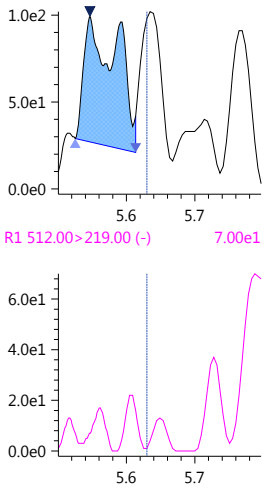
N-MeFOSA-d3
Conc 2.5451
RT 5.638 Area 161

Q 514.90>168.90 (-) 1.07e2



N-MeFOSA
Conc 4.5010
RT 5.547 Area 247
R#1 2.52 (0.00)

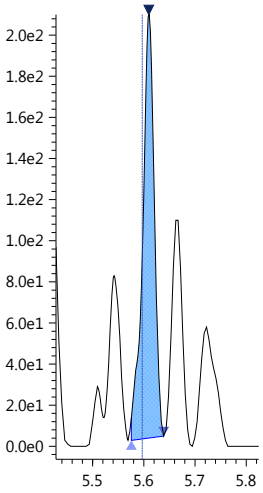
Q 512.00>169.10 (-) 1.02e2



R1 512.00>219.00 (-) 7.00e1

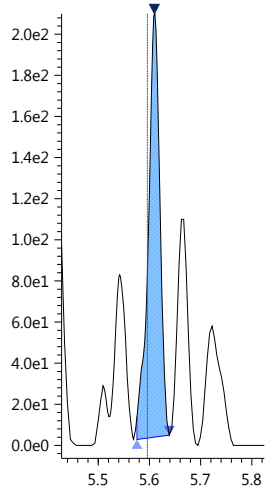
N-MeFOSE-d7
Conc 3.2880
RT 5.610 Area 325

Q 622.70>59.10 (-) 2.10e2



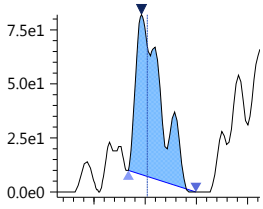
N-MeFOSE-d7_IS
Conc 5.0000
RT 5.610 Area 325

ISTD 622.70>59.10 (-) 2.10e2

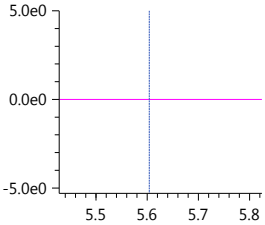


N-MeFOSE
Conc 3.1314
RT 5.593 Area 255
R#1 0.00 (0.00)

Q 616.00>59.00 (-) 8.20e1

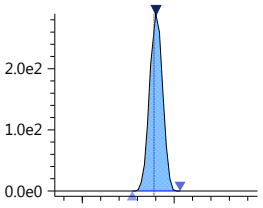


R1 556.00>121.20 (-) 0.00e0

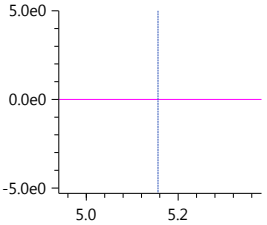


N-EtFOSAA
Conc 1.0612
RT 5.161 Area 584
R#1 0.00 (0.00)

Q 584.20>418.95 (-) 2.90e2

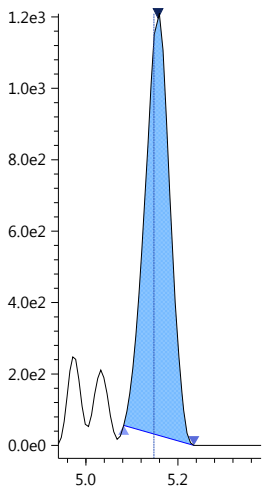


R1 584.20>526.10 (-) 0.00e0



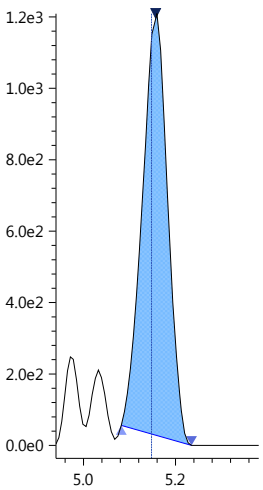
N-EtFOSAA-d5_IS
Conc 5.0000
RT 5.157 Area 4545

ISTD 588.80>419.00 (-) 1.21e3



N-EtFOSAA-d5
Conc 55.5724
RT 5.157 Area 4545

Q 588.80>419.00 (-) 1.21e3



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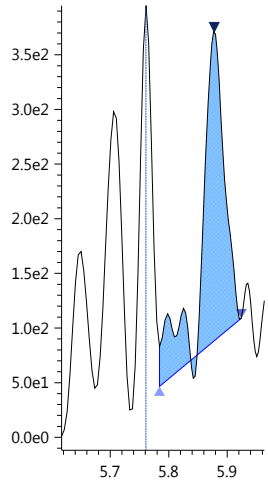
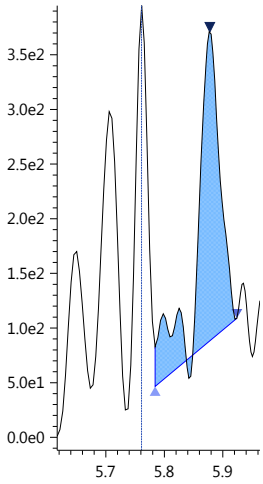
N-EtFOSA-d9_IS
Conc 5.0000
RT 5.878 Area 753

ISTD 530.90>169.15 (-) 3.95e2



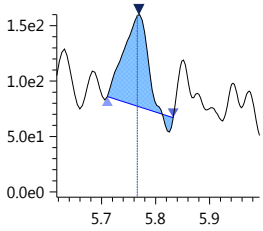
N-EtFOSA-d9
Conc 8.1420
RT 5.878 Area 753

Q 530.90>169.15 (-) 3.95e2



N-EtFOSA
Conc 7.2130
RT 5.769 Area 240
R#1 46.81 (0.00)

Q 526.90>169.10 (-) 1.60e2



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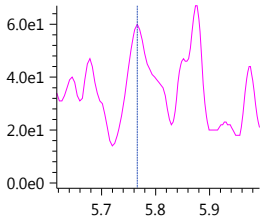
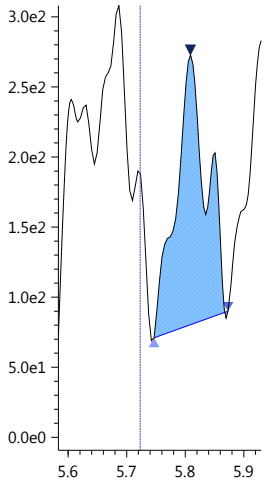


N-EtFOSE-d9_IS
Conc 5.0000
RT 5.809 Area 694

ISTD 638.70>59.10 (-) 3.08e2



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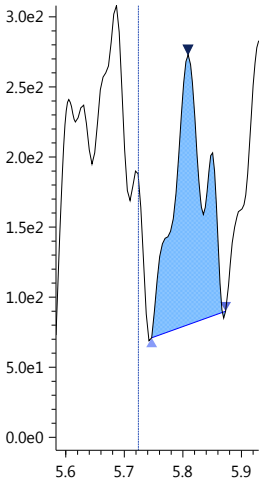
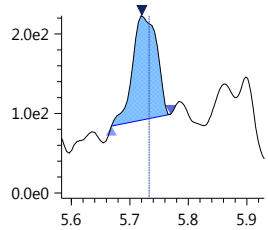
Conc 7.9834
RT 5.809 Area 694

Q 638.70>59.10 (-) 3.08e2

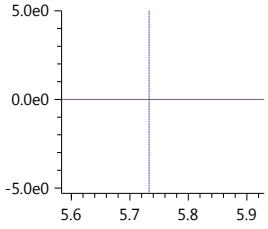


N-EtFOSE
Conc 2.2634
RT 5.720 Area 381
R#1 0.00 (0.00)

Q 630.00>58.90 (-) 2.23e2

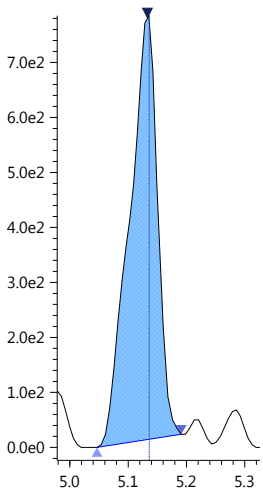


R1 570.00>136.10 (-) 0.00e0



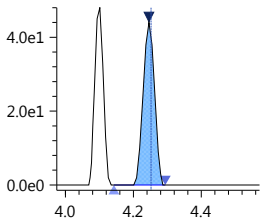
13C7-PFUnDA_IS
Conc 5.0000
RT 5.133 Area 2582

ISTD 570.00>525.00 (-) 7.85e2

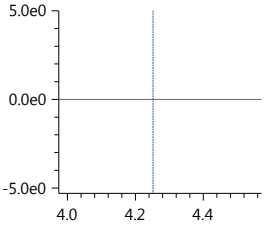


PFPeS
Conc 0.0000
RT 4.246 Area 103
R#1 0.00 (0.00)

Q 349.00>99.00 (-) 4.80e1

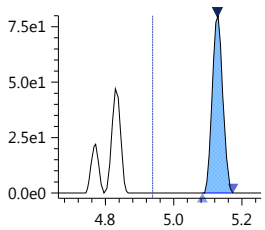


R1 349.00>79.95 (-) 0.00e0



PFNS
Conc 0.0000
RT 5.128 Area 173
R#1 0.00 (0.00)

Q 549.00>99.00 (-) 8.00e1



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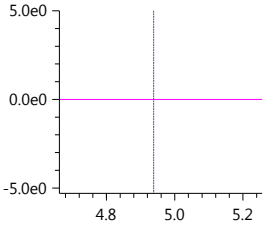


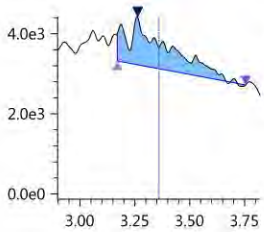
Insight Report

Printed at 6/25/2019 10:11:56 AM

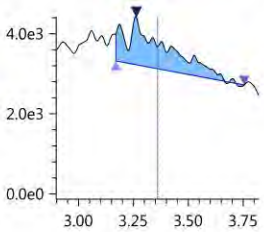
190621_032

Sample ID: T-PFOA
Date acquired: 6/24/2019 8:11:01 PM
Acquired by: System Administrator
Data File: J:\LCMS06\Data\190624_curve\190621_032.lcd
Vial: 9 | Inj. Volume: 15.0000uL | Tray: 0

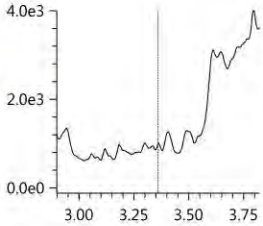
PFBA-13C_IS
Conc 5.0000
RT 3.263 Area 15398
ISTD 216.90>172.15 (-) 4.43e3



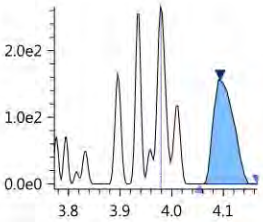
PFBA-13C
Conc 45.8848
RT 3.263 Area 15398
Q 216.90>172.15 (-) 4.43e3



PFBA
Conc ----
RT ---- Area ----
Q 213.00>169.10 (-) 4.00e3



PFPeA-13C_IS
Conc 5.0000
RT 4.094 Area 424
ISTD 267.90>223.00 (-) 2.66e2



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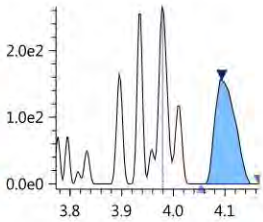
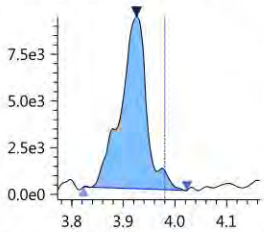
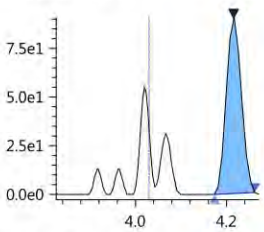
Conc 2.1303
RT 4.094 Area 424
Q 267.90>223.00 (-) 2.66e2



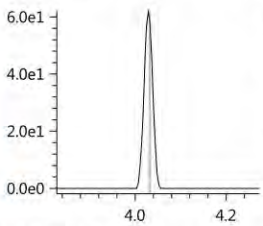
PFPeA
Conc 97.1555
RT 3.926 Area 32394
Q 263.05>219.10 (-) 9.49e3



PFBS_1
Conc 0.0000
RT 4.215 Area 207
Q 299.00>80.00 (-) 9.10e1



PFBS-13C
Conc ----
RT ---- Area ----
Q 301.80>80.00 (-) 6.20e1



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Conc ----
RT ---- Area ----
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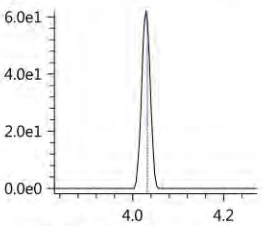
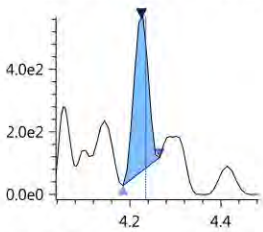


PFHxA-13C_IS
Conc 5.0000
RT 4.225 Area 1092
ISTD 314.90>270.10 (-) 5.67e2



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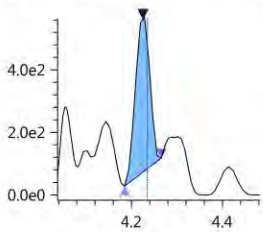
Conc 2.0936
RT 4.225 Area 1092
Q 314.90>270.10 (-) 5.67e2



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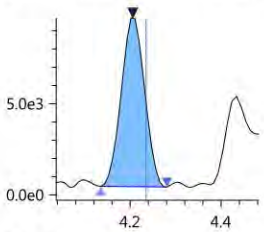
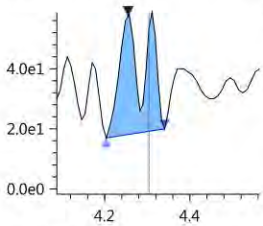
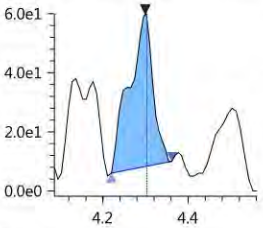
Conc 117.8837
RT 4.206 Area 33129
Q 313.00>269.00 (-) 9.72e3



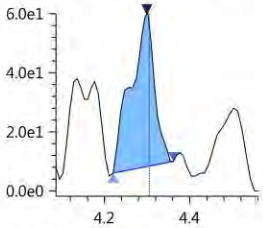
HPFO_DA
Conc 4.3489
RT 4.255 Area 169
Q 329.00>169.00 (-) 5.90e1



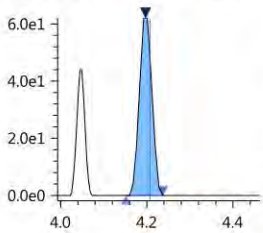
HFPO_DA-13C_IS
Conc 5.0000
RT 4.299 Area 201
ISTD 332.00>286.80 (-) 6.00e1



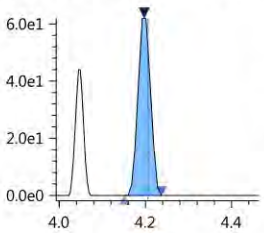
HFPO_DA-13C
Conc 1.8805
RT 4.299 Area 201
Q 332.00>286.80 (-) 6.00e1



4_2-FTS-13C_IS
Conc 5.0000
RT 4.197 Area 128
ISTD 328.80>309.05 (-) 6.20e1



4_2-FTS-13C
Conc 1.2835
RT 4.197 Area 128
Q 328.80>309.05 (-) 6.20e1



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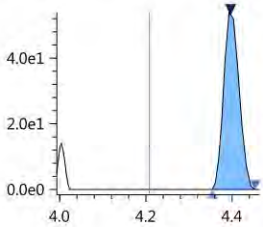
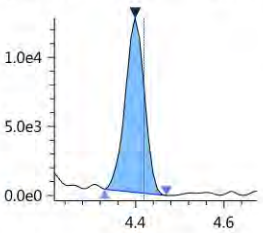
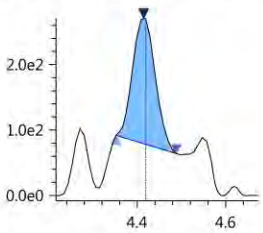
Conc 5.2327
RT 4.397 Area 136
Q 327.00>307.05 (-) 5.40e1



PFHpA
Conc 258.4254
RT 4.399 Area 38392
Q 362.90>319.00 (-) 1.28e4



PFHpA-13C_IS
Conc 5.0000
RT 4.414 Area 686
ISTD 366.90>322.10 (-) 2.71e2



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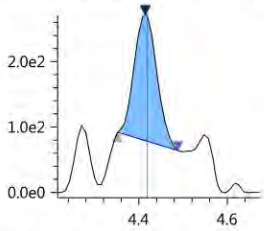
PFHpA-13C
Conc 1.5130
RT 4.414 Area 686
Q 366.90>322.10 (-) 2.71e2



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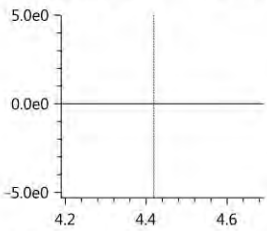
Conc ----
RT ---- Area ----
ISTD 402.70>84.05 (-) 0.00e0



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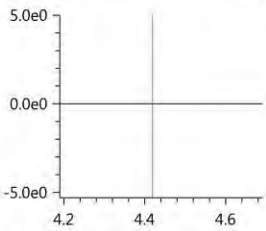
Conc ----
RT ---- Area ----
Q 402.70>84.05 (-) 0.00e0



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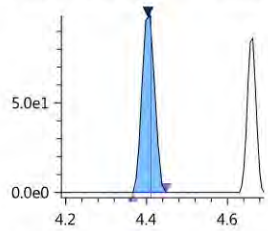
RT 4.404 Area 219
Q 399.00>80.00 (-) 9.90e1



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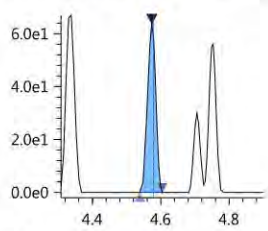
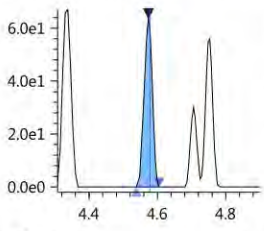
Conc 1.3342
RT 4.574 Area 107
Q 428.90>409.00 (-) 6.70e1



6_2-FTS-13C_IS
Conc 5.0000
RT 4.574 Area 107
ISTD 428.90>409.00 (-) 6.70e1



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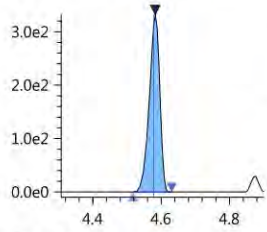
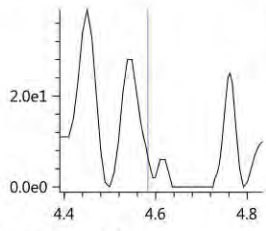
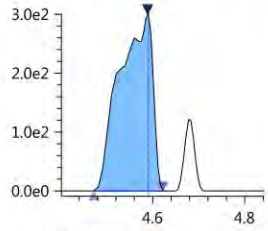
Conc 29.5835
RT 4.583 Area 703
Q 427.00>407.00 (-) 3.32e2



PFHpS_1
Conc ----
RT ---- Area ----
Q 449.00>80.15 (-) 3.90e1



PFOA-13C_IS
Conc 5.0000
RT 4.589 Area 1497
ISTD 416.80>372.05 (-) 3.01e2



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Conc 2.1914
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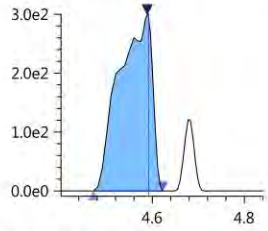
Q 416.80>372.05 (-) 3.01e2



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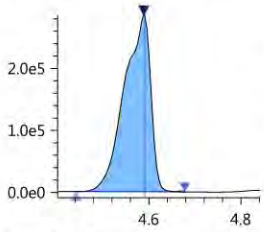
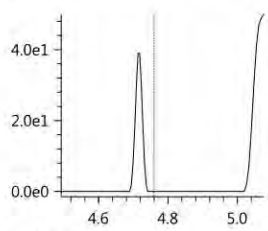
Q 413.00>369.00 (-) 2.86e5



PFOS_1
Conc ----
RT ---- Area ----
Q 499.00>80.00 (-) 5.00e1



PFOS-13C_IS
Conc ----
RT ---- Area ----
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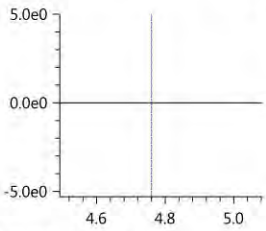
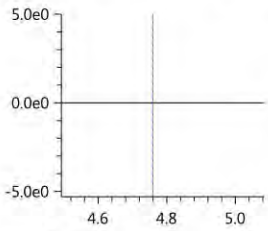
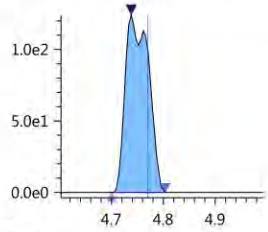


PFOS-13C
Conc ----
RT ---- Area ----
Q 502.80>80.05 (-) 0.00e0



PFNA-13C_IS
Conc 5.0000
RT 4.738 Area 392
ISTD 467.80>423.00 (-) 1.24e2



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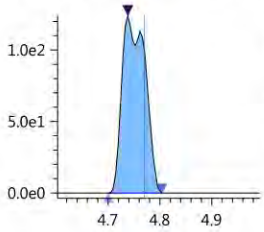
Conc 0.8517
RT 4.738 Area 392
Q 467.80>423.00 (-) 1.24e2



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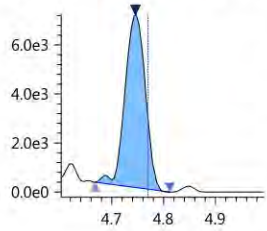
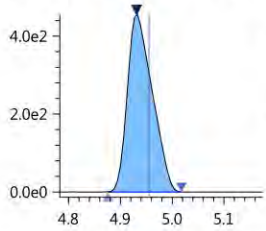
Conc 266.7968
RT 4.746 Area 19219
Q 463.00>418.90 (-) 7.24e3



PFDA-13C_IS
Conc 5.0000
RT 4.931 Area 1524
ISTD 514.80>469.95 (-) 4.55e2



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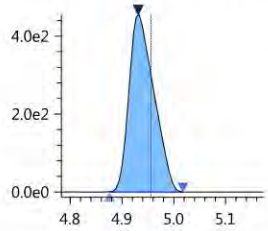

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Conc 46.7646
RT 4.924 Area 14578
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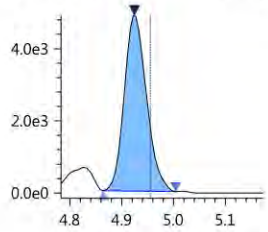

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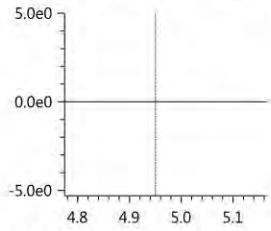
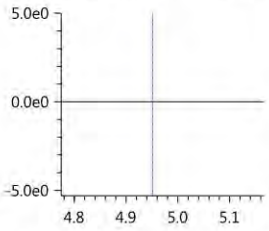
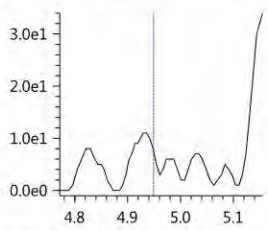
8_2-FTS-13C_IS
Conc ----
RT ---- Area ----
ISTD 528.80>509.00 (-) 0.00e0



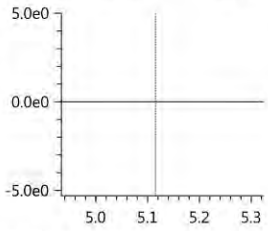
8_2-FTS-13C
Conc ----
RT ---- Area ----
Q 528.80>509.00 (-) 0.00e0



8_2-FTS_1
Conc ----
RT ---- Area ----
Q 527.10>506.90 (-) 3.40e1



PFDS_1
Conc ----
RT ---- Area ----
Q 599.00>79.90 (-) 0.00e0



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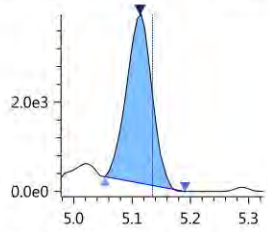
Conc 57.9405
RT 5.114 Area 11515
Q 563.00>518.90 (-) 3.97e3



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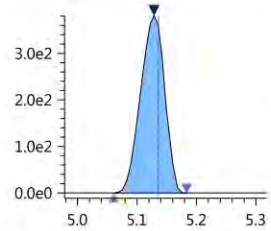
Conc 5.0000
RT 5.129 Area 1077
ISTD 564.80>519.95 (-) 3.81e2



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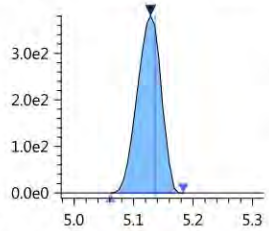
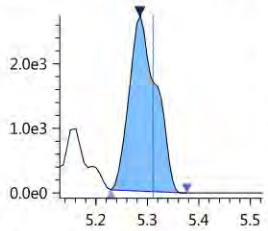
Conc 2.5496
RT 5.129 Area 1077
Q 564.80>519.95 (-) 3.81e2



PFDoA
Conc 31.7009
RT 5.285 Area 9970
Q 613.05>569.00 (-) 2.75e3



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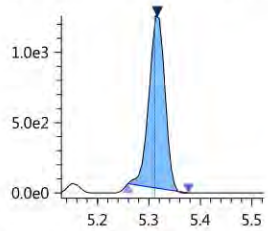
Conc 4.4518
RT 5.316 Area 2647
Q 614.80>569.95 (-) 1.26e3



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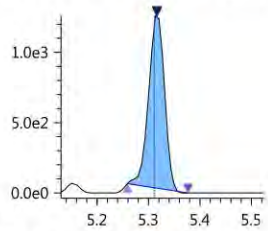
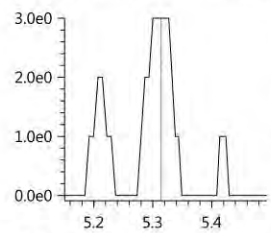


10_2-FtS_1
Conc ----
RT ---- Area ----
Q 627.00>606.95 (-) 3.00e0



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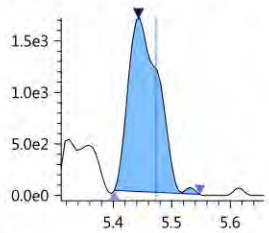
Conc 17.0318
RT 5.443 Area 6101
Q 663.00>618.90 (-) 1.72e3



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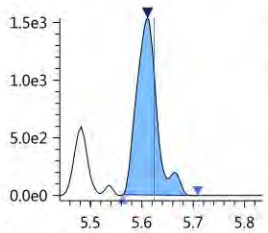
Conc 20.3654
RT 5.611 Area 4232
Q 713.40>669.00 (-) 1.54e3



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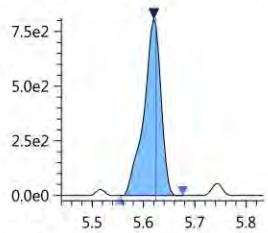
Conc 3.7725
RT 5.620 Area 1865
Q 714.70>669.90 (-) 8.11e2



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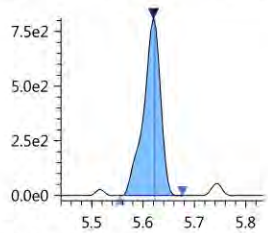
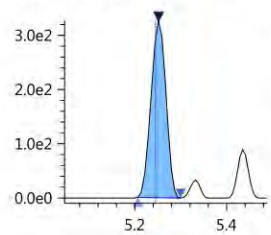
RT 5.620 Area 1865
ISTD 714.70>669.90 (-) 8.11e2



FOSA-13C_IS
Conc 5.0000
RT 5.252 Area 740
ISTD 506.00>78.05 (-) 3.27e2



FOSA-13C
Conc 4.0717
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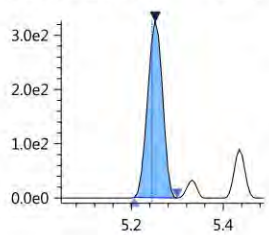
Q 506.00>78.05 (-) 3.27e2



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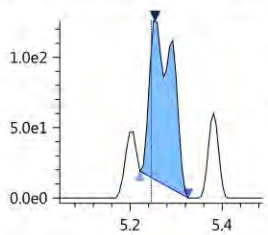
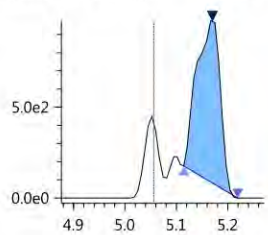
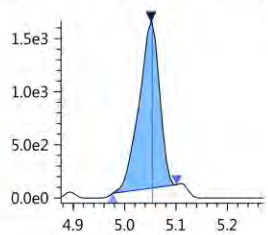
Conc 2.0508
RT 5.254 Area 402
Q 498.20>78.00 (-) 1.26e2



N-MeFOSAA
Conc 4.7747
RT 5.170 Area 2812
Q 570.20>419.00 (-) 9.76e2



N-MeFOSAA-d3
Conc 43.3493
RT 5.051 Area 4353
Q 572.80>419.05 (-) 1.67e3



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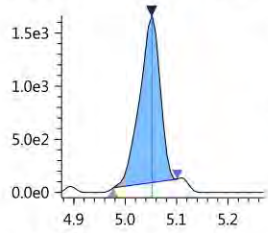
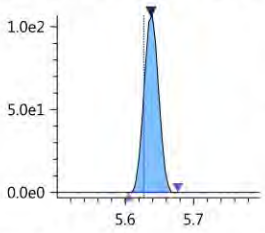
N-MeFOSAA-d3_IS
Conc 5.0000
RT 5.051 Area 4353
ISTD 572.80>419.05 (-) 1.67e3



N-MeFOSA-d3_IS
Conc 5.0000
RT 5.638 Area 161
ISTD 514.90>168.90 (-) 1.07e2



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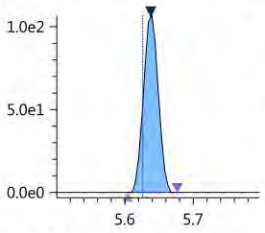
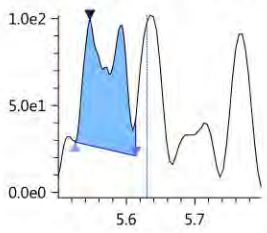
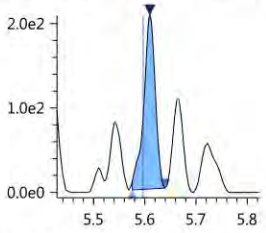
Conc 2.5451
RT 5.638 Area 161
Q 514.90>168.90 (-) 1.07e2



N-MeFOSA
Conc 4.5010
RT 5.547 Area 247
Q 512.00>169.10 (-) 1.02e2



N-MeFOSE-d7
Conc 3.2880
RT 5.610 Area 325
Q 622.70>59.10 (-) 2.10e2



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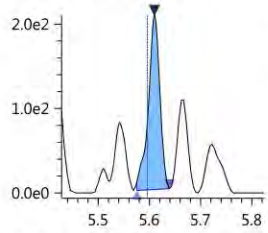
Conc 5.0000
RT 5.610 Area 325
ISTD 622.70>59.10 (-) 2.10e2



N-MeFOSE
Conc 3.1314
RT 5.593 Area 255
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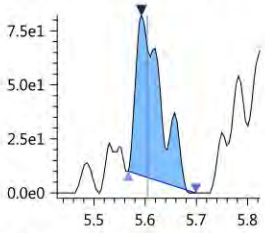

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Conc 1.1019
RT 5.161 Area 584
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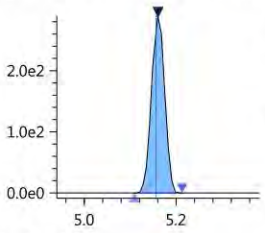

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Conc 5.0000
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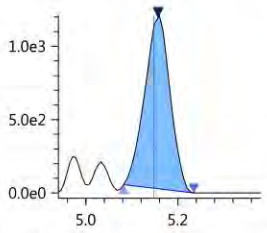
ISTD 588.80>419.00 (-) 1.21e3



N-EtFOSAA-d5
Conc 55.5724
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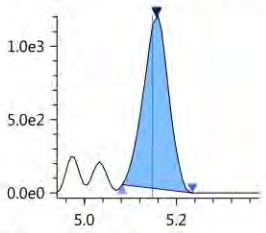
Q 588.80>419.00 (-) 1.21e3



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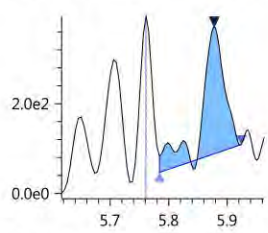
ISTD 530.90>169.15 (-) 3.95e2



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Conc 8.1420
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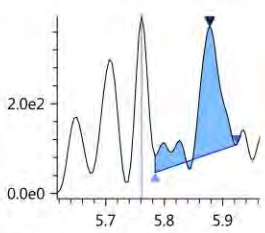
Q 530.90>169.15 (-) 3.95e2



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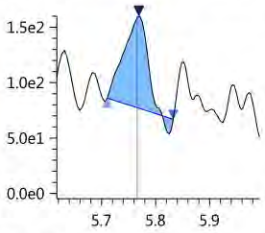
Q 526.90>169.10 (-) 1.60e2



N-EtFOSE-d9_IS
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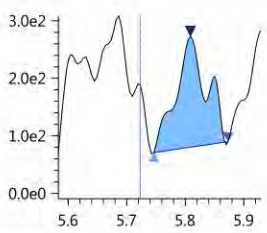

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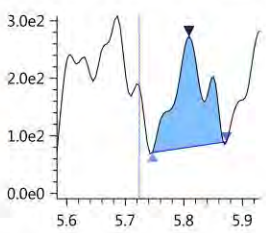

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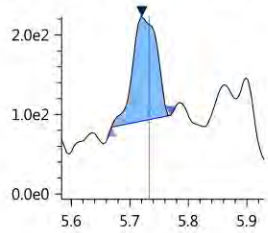

13C7-PFUnDA_IS
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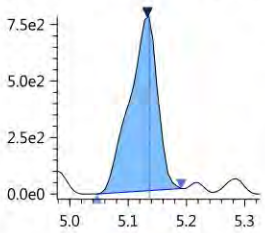
RT 5.133 Area 2582
ISTD 570.00>525.00 (-) 7.85e2



PFPeS
Conc 0.0000
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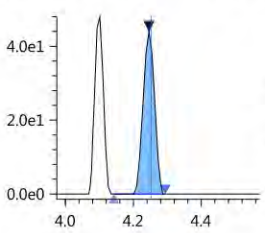
Q 349.00>99.00 (-) 4.80e1



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Conc 0.0000
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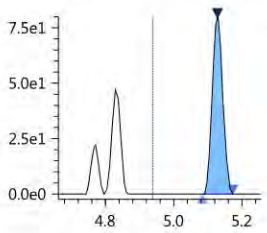
Q 549.00>99.00 (-) 8.00e1



190702_b3

ICAL Date: 6/24/2019
Std. xp: 10/19/2019
ICAL ID: KC1900243
LIMS ID: 641752

1st Review: LDomreis
2nd Review: JUL 0 9 2019
Column: Phenomenex EVO-C18 100X4.6 mm S/N: H19-154756
Mobile Phases **A:** 5mM Ammonium Acetate in H2O 19-OLC-02-34N **B:** 5mM Ammonium Acetate In MeOH 19-OLC-02-34O

ALS Environmental
LCMS06 -Shimadzu 8050

	Sample Name		File Name	Acquisition Method	Dilution	R	
1	1.0 PPB CCV	19-OLC-02-36D	190702_050	PFAS_190509_30_CM.lcm	1x	☒	
2	IB	19-OLC-02-36E	190702_051	PFAS_190509_30_CM.lcm	1x	☒	
3	R1905417-003		190702_052	PFAS_190509_30_CM.lcm	1x	☒	report only PFPeA (low surr in original)
4	R1905417-013		190702_053	PFAS_190509_30_CM.lcm	1x	☒	report only PFBA, PFPeA (low surr in original)
5	K1904965-003	10X	190702_054	PFAS_190509_30_CM.lcm	10x	☒	report only PFOS
6	R1905081-003		190702_055	PFAS_190509_30_CM.lcm	1x	☒	report only PFTeDA, PFTrDA (low surr in original)
7	K1905607-001		190702_056	PFAS_190509_30_CM.lcm	1x	☒	report only PFOS (low surr in original)

J:\LCMS06\Data\190702_b3\190702_b3 inject log

Analysis: PFC	IS/Lot/Exp.: 19-OLC-01-36F 500ppb xp: 12/27/19			Filter lot: 81961103		Solvent/Lot: DW255-US	
Sample ID	IS Amount	Sample Aliquot	Final Volume	Dilution Factor	Date Prepared	Analyst	Analyte for dilution
R1905417-003	10 uL	990 uL	1 mL	1x	7/2/2019	CAT BO	Low PFPeA surr
R1905417-013	10 uL	990 uL	1 mL	1x	7/2/2019		Low PFPeA, PFBA surr
K1904965-003	10 uL	100 uL 990 uL	1 mL	10x	7/2/2019		PFOS
R1905081-003	10 uL	990 uL	1 mL	1x	7/2/2019		Low TeDA surr
K1905607-001	10 uL	990 uL	1 mL	1X	7/2/2019		PFOS (low surr)
~~K1905045-001~~	~~10 uL~~	~~100 uL~~	~~1 mL~~	~~10X~~	~~7/2/2019~~		~~PFOS~~
~~K1905045-003~~	~~10 uL~~	~~100 uL~~	~~1 mL~~	~~10X~~	~~7/2/2019~~		~~PFOS~~
~~K1905045-003 DUP~~	~~10 uL~~	~~100 uL~~	~~1 mL~~	~~10X~~	~~7/2/2019~~		~~PFOS~~
K1905045-004	10 uL	100 uL	1 mL	~~10X~~	~~7/2/2019~~		~~PFOS~~

R5417 – bye Falica

4965 – dream glide

R5081 – sylvania

5607 – bye Falica

~~5045~~

5045 prepped separately per analyst

2:30 7/9/19

190620_b1 b2

st Review: Cmuller
nd Review:
Column: Phenomenex EVO-C18 100X4.6 mm S/N: H19-154756
Mobile Phases A: 5mM Ammonium Acetate in H2O 19-OLC-02-36G B: 5mM Ammonium Acetate In MeOH 19-OLC-02-36H

JUN 24 2019

ALS Environmental
LCMS06 -Shimadzu 8050

ICAL Date: 6/18/2019
Std. xp: 10/18/2019
ICAL ID: KC1900234
LIMS ID: 6401-T 215

	Sample Name		File Name	Acquisition Method	Dilution	R	
1	1.0 PPB CCV	19-OLC-01-34H	190620_032 ✓	PFAS_190509_30_CM.lcm	1x	☒	Low Fosa surr, High MeFOSAA, EtFOSAA, 6:2, 8:2 surr. All natives ok
2	IB	19-OLC-01-34I	190620_033	PFAS_190509_30_CM.lcm	1x	☒	
3	KQ1908479-03	MB	190620_034	PFAS_190509_30_CM.lcm	1x	☒	
4	KQ1908479-01	LCS	190620_035	PFAS_190509_30_CM.lcm	1x	☒	
5	KQ1908479-02	DLCS	190620_036	PFAS_190509_30_CM.lcm	1x	☒	
6	K1905564-001		190620_037	PFAS_190509_30_CM.lcm	1x	☒	
7	K1905564-002		190620_038	PFAS_190509_30_CM.lcm	1x	☒	
8	K1905564-003		190620_039	PFAS_190509_30_CM.lcm	1x	☒	
9	K1905564-004		190620_040	PFAS_190509_30_CM.lcm	1x	☒	
10	K1905602-001		190620_041	PFAS_190509_30_CM.lcm	1x	☒	
11	K1905602-002		190620_042	PFAS_190509_30_CM.lcm	1x	☒	High TeDA surr, ND
12	K1905602-003		190620_043	PFAS_190509_30_CM.lcm	1x	☒	
13	K1905602-004		190620_044	PFAS_190509_30_CM.lcm	1x	☒	
14	R1905417-002		190620_045	PFAS_190509_30_CM.lcm	1x	☒	High TeDA, 6:2 surr. ND
15	R1905417-003		190620_046	PFAS_190509_30_CM.lcm	1x	☒	RR for low PeA surr. High 6:2 surr, ND.
16	R1905417-011		190620_047	PFAS_190509_30_CM.lcm	1x	☒	
17	R1905417-013		190620_048 ✓	PFAS_190509_30_CM.lcm	1x	☒	RR for low PeA, PFBA surr. High 6:2 surr ND

ANALYTICAL REPORT

Job Number: 480-191204-1

Job Description: Borden Chemical #709001

Contract Number: C100700

For:
New York State D.E.C.
625 Broadway
Division of Environmental Remediation
Albany, NY 12233-7014

Attention: Jenelle Gaylord

Approved for release.
Judy L Stone
Senior Project Manager
10/29/2021 4:19 PM

Designee for
Steve Hartmann, Project Manager I
10 Hazelwood Drive, Amherst, NY, 14228-2298
(413)572-4000
Steve.Hartmann@Eurofinset.com
10/29/2021

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project Manager who has signed this report. TestAmerica Buffalo NELAC Certifications: CADPH 01169CA, FLDOH E87672, ILEPA 200003, KSDOH E-10187, LADEQ 30708, MDH 036-999-337, NHELAP 2973, NJDEP NY455, NYDOH 10026, ORELAP NY200003, PADEP 68-00281, TXCEQ T-104704412-10-1

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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Method 8082A Blank Data 1062

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Job Narrative
480-191204-1

Comments
No additional comments.

Receipt
The samples were received on 10/21/2021 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.3º C, 2.6º C and 2.9º C.

GC/MS VOA
Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: BOR-OW-10R-WG (480-191204-8), BOR-OW-10R-WG (480-191204-8[MS]), BOR-OW-10R-WG (480-191204-8[MSD]), BOR-DUP-2-WG (480-191204-10) and BOR-MW-15-WG (480-191204-13). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-601826 recovered above the upper control limit for m-Xylene & p-Xylene, Benzene, Toluene and Total BTEX. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: BOR-MW-27-WG (480-191204-2), BOR-BC/SMP-WS (480-191204-5), BOR-MW-30-WG (480-191204-7), TRIPBLANK (480-191204-11), TRIPBLANK (480-191204-12) and BOR-MW-35R-WG (480-191204-14).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-601826 recovered above the upper control limit for m-Xylene & p-Xylene and Toluene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: BOR-MW-28-WG (480-191204-6) and BOR-OW-35R-WG (480-191204-9).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-601826 recovered above the upper control limit for m-Xylene & p-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: BOR-OW-10R-WG (480-191204-8) and BOR-DUP-2-WG (480-191204-10).

Method 8260C: The continuing calibration verification (CCV) analyzed in 480-601826 was outside the method criteria for the following analyte(s): Benzene and Total BTEX. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated. The associated samples are impacted: BOR-MW-28-WG (480-191204-6) and BOR-OW-35R-WG (480-191204-9).

Method 8260C: The continuing calibration verification (CCV) analyzed in 480-601826 was outside the method criteria for the following analyte(s): Toluene, Benzene and Total BTEX. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated. The associated samples are impacted: BOR-OW-10R-WG (480-191204-8) and BOR-DUP-2-WG (480-191204-10).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-601826 recovered above the upper control limit for m-Xylene & p-Xylene and Benzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: BOR-MW-15-WG (480-191204-13).

Method 8260C: The continuing calibration verification (CCV) analyzed in 480-601826 was outside the method criteria for the following analyte(s): Toluene, and Total BTEX. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated. The associated sample is impacted: BOR-MW-15-WG (480-191204-13).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The following samples were diluted to bring the concentration of target analytes within the calibration range: BOR-OW-10R-WG (480-191204-8), BOR-OW-10R-WG (480-191204-8[MS]), BOR-OW-10R-WG (480-191204-8[MSD]) and BOR-DUP-2-WG (480-191204-10). Elevated reporting limits (RLs) are provided.

Method 8270D: The following samples were diluted due to the abundance of target analytes: BOR-OW-10R-WG (480-191204-8[MS]) and BOR-OW-10R-WG (480-191204-8[MSD]). Because of this dilution, the surrogate spike and matrix spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8270D: The following samples were diluted due to the abundance of target analytes: BOR-OW-10R-WG (480-191204-8) and BOR-DUP-2-WG (480-191204-10). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method 8270D: The following sample was diluted to bring the concentration of target analytes within the calibration range: BOR-MW-15-WG (480-191204-13). Elevated reporting limits (RLs) are provided.

Method 8270D: The following sample was diluted due to the abundance of target analytes: BOR-MW-15-WG (480-191204-13). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

HPLC/IC
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
Method 3510C: Due to the matrix, the initial volume(s) used for the following samples deviated from the standard procedure: BOR-OW-10R-WG (480-191204-8), BOR-OW-10R-WG (480-191204-8[MS]), BOR-OW-10R-WG (480-191204-8[MSD]), BOR-DUP-2-WG (480-191204-10) and BOR-MW-15-WG (480-191204-13). The reporting limits (RLs) have been adjusted proportionately.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Sample Summary

Client: New York State D.E.C.
Job ID: 480-191204-1
Project/Site: Borden Chemical #709001

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-191204-1	BOR-MW-2B-WG	Water	10/20/21 13:20	10/21/21 08:00
480-191204-2	BOR-MW-27-WG	Water	10/20/21 15:10	10/21/21 08:00
480-191204-3	BOR-DUP-1-WG	Water	10/20/21 08:00	10/21/21 08:00
480-191204-4	BOR-MW-17-1-WG	Water	10/20/21 09:20	10/21/21 08:00
480-191204-5	BOR-BC-SMP-WS	Water	10/20/21 09:45	10/21/21 08:00
480-191204-6	BOR-MW-28-WG	Water	10/20/21 11:40	10/21/21 08:00
480-191204-7	BOR-MW-30-WG	Water	10/20/21 12:00	10/21/21 08:00
480-191204-8	BOR-OW-10R-WG	Water	10/20/21 13:15	10/21/21 08:00
480-191204-9	BOR-OW-35R-WG	Water	10/20/21 14:40	10/21/21 08:00
480-191204-10	BOR-DUP-2-WG	Water	10/20/21 08:00	10/21/21 08:00
480-191204-11	TRIPBLANK1	Water	10/20/21 00:00	10/21/21 08:00
480-191204-12	TRIPBLANK2	Water	10/20/21 00:00	10/21/21 08:00
480-191204-13	BOR-MW-15-WG	Water	10/20/21 13:30	10/21/21 08:00
480-191204-14	BOR-MW-35R-WG	Water	10/19/21 15:20	10/21/21 08:00

Detection Summary

Client: New York State D.E.C.
Project/Site: Borden Chemical #709001

Job ID: 480-191204-1

Client Sample ID: BOR-MW-2B-WG — Lab Sample ID: 480-191204-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1242	0.91		0.50	0.18	ug/L	1		8082A	Total/NA

Client Sample ID: BOR-MW-27-WG — Lab Sample ID: 480-191204-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenol	2.9	J	5.0	0.39	ug/L	1		8270D	Total/NA

Client Sample ID: BOR-DUP-1-WG — Lab Sample ID: 480-191204-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1242	0.78		0.50	0.18	ug/L	1		8082A	Total/NA

Client Sample ID: BOR-MW-17-1-WG — Lab Sample ID: 480-191204-4

No Detections.

Client Sample ID: BOR-BC-SMP-WS — Lab Sample ID: 480-191204-5

No Detections.

Client Sample ID: BOR-MW-28-WG — Lab Sample ID: 480-191204-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	3.9		1.0	0.41	ug/L	1		8260C	Total/NA
Total BTEX	3.9		2.0	1.0	ug/L	1		8260C	Total/NA
Phenol	4.6	J	5.0	0.39	ug/L	1		8270D	Total/NA

Client Sample ID: BOR-MW-30-WG — Lab Sample ID: 480-191204-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenol	8.1		5.0	0.39	ug/L	1		8270D	Total/NA

Client Sample ID: BOR-OW-10R-WG — Lab Sample ID: 480-191204-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	14		10	4.1	ug/L	10		8260C	Total/NA
Toluene	470		10	5.1	ug/L	10		8260C	Total/NA
Total BTEX	480		20	10	ug/L	10		8260C	Total/NA
Phenol	24000		5000	390	ug/L	200		8270D	Total/NA

Client Sample ID: BOR-OW-35R-WG — Lab Sample ID: 480-191204-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2.8		1.0	0.41	ug/L	1		8260C	Total/NA
Toluene	0.90	J	1.0	0.51	ug/L	1		8260C	Total/NA
m-Xylene & p-Xylene	0.97	J	2.0	0.66	ug/L	1		8260C	Total/NA
Xylenes, Total	0.97	J	2.0	0.66	ug/L	1		8260C	Total/NA
Total BTEX	4.7		2.0	1.0	ug/L	1		8260C	Total/NA
Phenol	6.2		5.0	0.39	ug/L	1		8270D	Total/NA

Client Sample ID: BOR-DUP-2-WG — Lab Sample ID: 480-191204-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	16		10	4.1	ug/L	10		8260C	Total/NA
Toluene	600		10	5.1	ug/L	10		8260C	Total/NA
Total BTEX	620		20	10	ug/L	10		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: BOR-DUP-2-WG (Continued) Lab Sample ID: 480-191204-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenol	30000		13000	980	ug/L	500		8270D	Total/NA

Client Sample ID: TRIPBLANK1 Lab Sample ID: 480-191204-11

No Detections.

Client Sample ID: TRIPBLANK2 Lab Sample ID: 480-191204-12

No Detections.

Client Sample ID: BOR-MW-15-WG Lab Sample ID: 480-191204-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	41	J	50	21	ug/L	50		8260C	Total/NA
Toluene	4200		50	26	ug/L	50		8260C	Total/NA
Total BTEX	4200		100	50	ug/L	50		8260C	Total/NA
Phenol	610000		130000	9800	ug/L	5000		8270D	Total/NA

Client Sample ID: BOR-MW-35R-WG Lab Sample ID: 480-191204-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenol	5.0		5.0	0.39	ug/L	1		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: New York State D.E.C.
Job ID: 480-191204-1
Project/Site: Borden Chemical #709001

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
8315A	Carbonyl Compounds by HPLC	SW846	TAL CAN
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF
8315A_W_Prep	Liquid-Liquid Extraction (Carbonyl Compounds)	SW846	TAL CAN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL CAN = Eurofins TestAmerica, Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Client Sample ID: BOR-MW-2B-WG
Lab Sample ID: 480-191204-1
Date Collected: 10/20/21 13:20
Matrix: Water
Date Received: 10/21/21 08:00

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/21/21 14:54	10/25/21 18:29	1
PCB-1221	ND		0.50	0.18	ug/L		10/21/21 14:54	10/25/21 18:29	1
PCB-1232	ND		0.50	0.18	ug/L		10/21/21 14:54	10/25/21 18:29	1
PCB-1242	**0.91**		0.50	0.18	ug/L		10/21/21 14:54	10/25/21 18:29	1
PCB-1248	ND		0.50	0.18	ug/L		10/21/21 14:54	10/25/21 18:29	1
PCB-1254	ND		0.50	0.25	ug/L		10/21/21 14:54	10/25/21 18:29	1
PCB-1260	ND		0.50	0.25	ug/L		10/21/21 14:54	10/25/21 18:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*69*		*39 - 121*	*10/21/21 14:54*	*10/25/21 18:29*	*1*
Tetrachloro-m-xylene	*77*		*39 - 121*	*10/21/21 14:54*	*10/25/21 18:29*	*1*
DCB Decachlorobiphenyl	*90*		*19 - 120*	*10/21/21 14:54*	*10/25/21 18:29*	*1*
DCB Decachlorobiphenyl	*114*		*19 - 120*	*10/21/21 14:54*	*10/25/21 18:29*	*1*

Client Sample ID: BOR-MW-27-WG
Lab Sample ID: 480-191204-2
Date Collected: 10/20/21 15:10
Matrix: Water
Date Received: 10/21/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/25/21 15:24	1
Toluene	ND		1.0	0.51	ug/L			10/25/21 15:24	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/25/21 15:24	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/25/21 15:24	1
o-Xylene	ND		1.0	0.76	ug/L			10/25/21 15:24	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/25/21 15:24	1
Total BTEX	ND		2.0	1.0	ug/L			10/25/21 15:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*82*		*80 - 120*		*10/25/21 15:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*10/25/21 15:24*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*10/25/21 15:24*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*10/25/21 15:24*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**2.9**	**J**	5.0	0.39	ug/L		10/21/21 14:44	10/22/21 23:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*79*		*46 - 120*	*10/21/21 14:44*	*10/22/21 23:08*	*1*
p-Terphenyl-d14 (Surr)	*88*		*60 - 148*	*10/21/21 14:44*	*10/22/21 23:08*	*1*
Phenol-d5 (Surr)	*49*		*22 - 120*	*10/21/21 14:44*	*10/22/21 23:08*	*1*
2-Fluorophenol (Surr)	*69*		*35 - 120*	*10/21/21 14:44*	*10/22/21 23:08*	*1*
2,4,6-Tribromophenol (Surr)	*92*		*41 - 120*	*10/21/21 14:44*	*10/22/21 23:08*	*1*
2-Fluorobiphenyl (Surr)	*97*		*48 - 120*	*10/21/21 14:44*	*10/22/21 23:08*	*1*

Method: 8315A - Carbonyl Compounds by HPLC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Formaldehyde	ND		0.050	0.041	mg/L		10/22/21 09:11	10/25/21 14:00	1

Client Sample ID: BOR-DUP-1-WG
Lab Sample ID: 480-191204-3

Date Collected: 10/20/21 08:00
Matrix: Water
Date Received: 10/21/21 08:00

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/21/21 14:54	10/25/21 20:37	1
PCB-1221	ND		0.50	0.18	ug/L		10/21/21 14:54	10/25/21 20:37	1
PCB-1232	ND		0.50	0.18	ug/L		10/21/21 14:54	10/25/21 20:37	1
PCB-1242	**0.78**		0.50	0.18	ug/L		10/21/21 14:54	10/25/21 20:37	1
PCB-1248	ND		0.50	0.18	ug/L		10/21/21 14:54	10/25/21 20:37	1
PCB-1254	ND		0.50	0.25	ug/L		10/21/21 14:54	10/25/21 20:37	1
PCB-1260	ND		0.50	0.25	ug/L		10/21/21 14:54	10/25/21 20:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*86*		*39 - 121*	*10/21/21 14:54*	*10/25/21 20:37*	*1*
Tetrachloro-m-xylene	*98*		*39 - 121*	*10/21/21 14:54*	*10/25/21 20:37*	*1*
DCB Decachlorobiphenyl	*82*		*19 - 120*	*10/21/21 14:54*	*10/25/21 20:37*	*1*
DCB Decachlorobiphenyl	*106*		*19 - 120*	*10/21/21 14:54*	*10/25/21 20:37*	*1*

Client Sample ID: BOR-MW-17-1-WG
Lab Sample ID: 480-191204-4

Date Collected: 10/20/21 09:20
Matrix: Water
Date Received: 10/21/21 08:00

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/21/21 14:54	10/25/21 20:50	1
PCB-1221	ND		0.50	0.18	ug/L		10/21/21 14:54	10/25/21 20:50	1
PCB-1232	ND		0.50	0.18	ug/L		10/21/21 14:54	10/25/21 20:50	1
PCB-1242	ND		0.50	0.18	ug/L		10/21/21 14:54	10/25/21 20:50	1
PCB-1248	ND		0.50	0.18	ug/L		10/21/21 14:54	10/25/21 20:50	1
PCB-1254	ND		0.50	0.25	ug/L		10/21/21 14:54	10/25/21 20:50	1
PCB-1260	ND		0.50	0.25	ug/L		10/21/21 14:54	10/25/21 20:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*91*		*39 - 121*	*10/21/21 14:54*	*10/25/21 20:50*	*1*
Tetrachloro-m-xylene	*99*		*39 - 121*	*10/21/21 14:54*	*10/25/21 20:50*	*1*
DCB Decachlorobiphenyl	*86*		*19 - 120*	*10/21/21 14:54*	*10/25/21 20:50*	*1*
DCB Decachlorobiphenyl	*109*		*19 - 120*	*10/21/21 14:54*	*10/25/21 20:50*	*1*

Client Sample ID: BOR-BC-SMP-WS
Lab Sample ID: 480-191204-5

Date Collected: 10/20/21 09:45
Matrix: Water
Date Received: 10/21/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/25/21 15:47	1
Toluene	ND		1.0	0.51	ug/L			10/25/21 15:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/25/21 15:47	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/25/21 15:47	1
o-Xylene	ND		1.0	0.76	ug/L			10/25/21 15:47	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/25/21 15:47	1
Total BTEX	ND		2.0	1.0	ug/L			10/25/21 15:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*10/25/21 15:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*77 - 120*		*10/25/21 15:47*	*1*

Client Sample ID: BOR-BC-SMP-WS
Lab Sample ID: 480-191204-5
Date Collected: 10/20/21 09:45
Matrix: Water
Date Received: 10/21/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*10/25/21 15:47*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*10/25/21 15:47*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		5.0	0.39	ug/L		10/21/21 14:44	10/22/21 23:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*77*		*46 - 120*	*10/21/21 14:44*	*10/22/21 23:35*	*1*
p-Terphenyl-d14 (Surr)	*97*		*60 - 148*	*10/21/21 14:44*	*10/22/21 23:35*	*1*
Phenol-d5 (Surr)	*48*		*22 - 120*	*10/21/21 14:44*	*10/22/21 23:35*	*1*
2-Fluorophenol (Surr)	*63*		*35 - 120*	*10/21/21 14:44*	*10/22/21 23:35*	*1*
2,4,6-Tribromophenol (Surr)	*83*		*41 - 120*	*10/21/21 14:44*	*10/22/21 23:35*	*1*
2-Fluorobiphenyl (Surr)	*99*		*48 - 120*	*10/21/21 14:44*	*10/22/21 23:35*	*1*

Client Sample ID: BOR-MW-28-WG
Lab Sample ID: 480-191204-6
Date Collected: 10/20/21 11:40
Matrix: Water
Date Received: 10/21/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**3.9**		1.0	0.41	ug/L			10/25/21 16:11	1
Toluene	ND		1.0	0.51	ug/L			10/25/21 16:11	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/25/21 16:11	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/25/21 16:11	1
o-Xylene	ND		1.0	0.76	ug/L			10/25/21 16:11	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/25/21 16:11	1
Total BTEX	**3.9**		2.0	1.0	ug/L			10/25/21 16:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/25/21 16:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*10/25/21 16:11*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*10/25/21 16:11*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*10/25/21 16:11*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**4.6**	**J**	5.0	0.39	ug/L		10/21/21 14:44	10/25/21 15:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*72*		*46 - 120*	*10/21/21 14:44*	*10/25/21 15:26*	*1*
p-Terphenyl-d14 (Surr)	*78*		*60 - 148*	*10/21/21 14:44*	*10/25/21 15:26*	*1*
Phenol-d5 (Surr)	*48*		*22 - 120*	*10/21/21 14:44*	*10/25/21 15:26*	*1*
2-Fluorophenol (Surr)	*61*		*35 - 120*	*10/21/21 14:44*	*10/25/21 15:26*	*1*
2,4,6-Tribromophenol (Surr)	*101*		*41 - 120*	*10/21/21 14:44*	*10/25/21 15:26*	*1*
2-Fluorobiphenyl (Surr)	*90*		*48 - 120*	*10/21/21 14:44*	*10/25/21 15:26*	*1*

Client Sample ID: BOR-MW-30-WG
Lab Sample ID: 480-191204-7

Date Collected: 10/20/21 12:00
Matrix: Water
Date Received: 10/21/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/25/21 16:34	1
Toluene	ND		1.0	0.51	ug/L			10/25/21 16:34	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/25/21 16:34	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/25/21 16:34	1
o-Xylene	ND		1.0	0.76	ug/L			10/25/21 16:34	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/25/21 16:34	1
Total BTEX	ND		2.0	1.0	ug/L			10/25/21 16:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/25/21 16:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*77 - 120*		*10/25/21 16:34*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*10/25/21 16:34*	*1*
Dibromofluoromethane (Surr)	*85*		*75 - 123*		*10/25/21 16:34*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**8.1**		5.0	0.39	ug/L		10/21/21 14:44	10/25/21 15:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*79*		*46 - 120*	*10/21/21 14:44*	*10/25/21 15:53*	*1*
p-Terphenyl-d14 (Surr)	*92*		*60 - 148*	*10/21/21 14:44*	*10/25/21 15:53*	*1*
Phenol-d5 (Surr)	*50*		*22 - 120*	*10/21/21 14:44*	*10/25/21 15:53*	*1*
2-Fluorophenol (Surr)	*64*		*35 - 120*	*10/21/21 14:44*	*10/25/21 15:53*	*1*
2,4,6-Tribromophenol (Surr)	*82*		*41 - 120*	*10/21/21 14:44*	*10/25/21 15:53*	*1*
2-Fluorobiphenyl (Surr)	*108*		*48 - 120*	*10/21/21 14:44*	*10/25/21 15:53*	*1*

Client Sample ID: BOR-OW-10R-WG
Lab Sample ID: 480-191204-8

Date Collected: 10/20/21 13:15
Matrix: Water
Date Received: 10/21/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**14**		10	4.1	ug/L			10/25/21 16:58	10
Toluene	**470**		10	5.1	ug/L			10/25/21 16:58	10
Ethylbenzene	ND		10	7.4	ug/L			10/25/21 16:58	10
m-Xylene & p-Xylene	ND		20	6.6	ug/L			10/25/21 16:58	10
o-Xylene	ND		10	7.6	ug/L			10/25/21 16:58	10
Xylenes, Total	ND		20	6.6	ug/L			10/25/21 16:58	10
Total BTEX	**480**		20	10	ug/L			10/25/21 16:58	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/25/21 16:58*	*10*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*10/25/21 16:58*	*10*
4-Bromofluorobenzene (Surr)	*90*		*73 - 120*		*10/25/21 16:58*	*10*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*10/25/21 16:58*	*10*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**24000**		5000	390	ug/L		10/21/21 14:44	10/25/21 14:59	200

Client Sample ID: BOR-OW-10R-WG
Lab Sample ID: 480-191204-8
Date Collected: 10/20/21 13:15
Matrix: Water
Date Received: 10/21/21 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	229	S1+	46 - 120	10/21/21 14:44	10/25/21 14:59	200
p-Terphenyl-d14 (Surr)	85		60 - 148	10/21/21 14:44	10/25/21 14:59	200
Phenol-d5 (Surr)	45		22 - 120	10/21/21 14:44	10/25/21 14:59	200
2-Fluorophenol (Surr)	0	S1-	35 - 120	10/21/21 14:44	10/25/21 14:59	200
2,4,6-Tribromophenol (Surr)	0	S1-	41 - 120	10/21/21 14:44	10/25/21 14:59	200
2-Fluorobiphenyl (Surr)	88		48 - 120	10/21/21 14:44	10/25/21 14:59	200

Method: 8315A - Carbonyl Compounds by HPLC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Formaldehyde	ND		0.050	0.041	mg/L		10/22/21 09:11	10/25/21 14:09	1

Client Sample ID: BOR-OW-35R-WG
Lab Sample ID: 480-191204-9
Date Collected: 10/20/21 14:40
Matrix: Water
Date Received: 10/21/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**2.8**		1.0	0.41	ug/L			10/25/21 17:21	1
Toluene	**0.90**	**J**	1.0	0.51	ug/L			10/25/21 17:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/25/21 17:21	1
m-Xylene & p-Xylene	**0.97**	**J**	2.0	0.66	ug/L			10/25/21 17:21	1
o-Xylene	ND		1.0	0.76	ug/L			10/25/21 17:21	1
Xylenes, Total	**0.97**	**J**	2.0	0.66	ug/L			10/25/21 17:21	1
Total BTEX	**4.7**		2.0	1.0	ug/L			10/25/21 17:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		80 - 120		10/25/21 17:21	1
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		10/25/21 17:21	1
4-Bromofluorobenzene (Surr)	101		73 - 120		10/25/21 17:21	1
Dibromofluoromethane (Surr)	98		75 - 123		10/25/21 17:21	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**6.2**		5.0	0.39	ug/L		10/21/21 14:44	10/25/21 16:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	85		46 - 120	10/21/21 14:44	10/25/21 16:20	1
p-Terphenyl-d14 (Surr)	93		60 - 148	10/21/21 14:44	10/25/21 16:20	1
Phenol-d5 (Surr)	56		22 - 120	10/21/21 14:44	10/25/21 16:20	1
2-Fluorophenol (Surr)	77		35 - 120	10/21/21 14:44	10/25/21 16:20	1
2,4,6-Tribromophenol (Surr)	114		41 - 120	10/21/21 14:44	10/25/21 16:20	1
2-Fluorobiphenyl (Surr)	110		48 - 120	10/21/21 14:44	10/25/21 16:20	1

Client Sample ID: BOR-DUP-2-WG
Lab Sample ID: 480-191204-10
Date Collected: 10/20/21 08:00
Matrix: Water
Date Received: 10/21/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**16**		10	4.1	ug/L			10/25/21 17:44	10
Toluene	**600**		10	5.1	ug/L			10/25/21 17:44	10
Ethylbenzene	ND		10	7.4	ug/L			10/25/21 17:44	10

Client Sample ID: BOR-DUP-2-WG
Lab Sample ID: 480-191204-10

Date Collected: 10/20/21 08:00
Matrix: Water
Date Received: 10/21/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		20	6.6	ug/L			10/25/21 17:44	10
o-Xylene	ND		10	7.6	ug/L			10/25/21 17:44	10
Xylenes, Total	ND		20	6.6	ug/L			10/25/21 17:44	10
Total BTEX	**620**		20	10	ug/L			10/25/21 17:44	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*10/25/21 17:44*	*10*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*10/25/21 17:44*	*10*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*10/25/21 17:44*	*10*
Dibromofluoromethane (Surr)	*94*		*75 - 123*		*10/25/21 17:44*	*10*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**30000**		13000	980	ug/L		10/21/21 14:44	10/25/21 16:47	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*0*	*S1-*	*46 - 120*	*10/21/21 14:44*	*10/25/21 16:47*	*500*
p-Terphenyl-d14 (Surr)	*110*		*60 - 148*	*10/21/21 14:44*	*10/25/21 16:47*	*500*
Phenol-d5 (Surr)	*0*	*S1-*	*22 - 120*	*10/21/21 14:44*	*10/25/21 16:47*	*500*
2-Fluorophenol (Surr)	*0*	*S1-*	*35 - 120*	*10/21/21 14:44*	*10/25/21 16:47*	*500*
2,4,6-Tribromophenol (Surr)	*0*	*S1-*	*41 - 120*	*10/21/21 14:44*	*10/25/21 16:47*	*500*
2-Fluorobiphenyl (Surr)	*97*		*48 - 120*	*10/21/21 14:44*	*10/25/21 16:47*	*500*

Method: 8315A - Carbonyl Compounds by HPLC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Formaldehyde	ND		0.050	0.041	mg/L		10/22/21 09:11	10/25/21 14:45	1

Client Sample ID: TRIPBLANK1
Lab Sample ID: 480-191204-11

Date Collected: 10/20/21 00:00
Matrix: Water
Date Received: 10/21/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/25/21 18:07	1
Toluene	ND		1.0	0.51	ug/L			10/25/21 18:07	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/25/21 18:07	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/25/21 18:07	1
o-Xylene	ND		1.0	0.76	ug/L			10/25/21 18:07	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/25/21 18:07	1
Total BTEX	ND		2.0	1.0	ug/L			10/25/21 18:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*80 - 120*		*10/25/21 18:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*		*10/25/21 18:07*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*10/25/21 18:07*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*10/25/21 18:07*	*1*

Client Sample ID: TRIPBLANK2
Lab Sample ID: 480-191204-12

Date Collected: 10/20/21 00:00
Matrix: Water
Date Received: 10/21/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/25/21 18:30	1
Toluene	ND		1.0	0.51	ug/L			10/25/21 18:30	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/25/21 18:30	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/25/21 18:30	1
o-Xylene	ND		1.0	0.76	ug/L			10/25/21 18:30	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/25/21 18:30	1
Total BTEX	ND		2.0	1.0	ug/L			10/25/21 18:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/25/21 18:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*10/25/21 18:30*	*1*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*		*10/25/21 18:30*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*10/25/21 18:30*	*1*

Client Sample ID: BOR-MW-15-WG
Lab Sample ID: 480-191204-13

Date Collected: 10/20/21 13:30
Matrix: Water
Date Received: 10/21/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**41**	**J**	50	21	ug/L			10/25/21 18:54	50
Toluene	**4200**		50	26	ug/L			10/25/21 18:54	50
Ethylbenzene	ND		50	37	ug/L			10/25/21 18:54	50
m-Xylene & p-Xylene	ND		100	33	ug/L			10/25/21 18:54	50
o-Xylene	ND		50	38	ug/L			10/25/21 18:54	50
Xylenes, Total	ND		100	33	ug/L			10/25/21 18:54	50
Total BTEX	**4200**		100	50	ug/L			10/25/21 18:54	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/25/21 18:54*	*50*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*10/25/21 18:54*	*50*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*10/25/21 18:54*	*50*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*10/25/21 18:54*	*50*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**610000**		130000	9800	ug/L		10/21/21 14:44	10/27/21 02:21	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*0*	*S1-*	*46 - 120*	*10/21/21 14:44*	*10/27/21 02:21*	*5000*
p-Terphenyl-d14 (Surr)	*0*	*S1-*	*60 - 148*	*10/21/21 14:44*	*10/27/21 02:21*	*5000*
Phenol-d5 (Surr)	*0*	*S1-*	*22 - 120*	*10/21/21 14:44*	*10/27/21 02:21*	*5000*
2-Fluorophenol (Surr)	*0*	*S1-*	*35 - 120*	*10/21/21 14:44*	*10/27/21 02:21*	*5000*
2,4,6-Tribromophenol (Surr)	*0*	*S1-*	*41 - 120*	*10/21/21 14:44*	*10/27/21 02:21*	*5000*
2-Fluorobiphenyl (Surr)	*0*	*S1-*	*48 - 120*	*10/21/21 14:44*	*10/27/21 02:21*	*5000*

Client Sample ID: BOR-MW-35R-WG
Lab Sample ID: 480-191204-14

Date Collected: 10/19/21 15:20
Matrix: Water

Date Received: 10/21/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/25/21 19:17	1
Toluene	ND		1.0	0.51	ug/L			10/25/21 19:17	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/25/21 19:17	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/25/21 19:17	1
o-Xylene	ND		1.0	0.76	ug/L			10/25/21 19:17	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/25/21 19:17	1
Total BTEX	ND		2.0	1.0	ug/L			10/25/21 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*80 - 120*		*10/25/21 19:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*10/25/21 19:17*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*10/25/21 19:17*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*10/25/21 19:17*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**5.0**		5.0	0.39	ug/L		10/21/21 14:44	10/25/21 17:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*86*		*46 - 120*	*10/21/21 14:44*	*10/25/21 17:42*	*1*
p-Terphenyl-d14 (Surr)	*116*		*60 - 148*	*10/21/21 14:44*	*10/25/21 17:42*	*1*
Phenol-d5 (Surr)	*65*		*22 - 120*	*10/21/21 14:44*	*10/25/21 17:42*	*1*
2-Fluorophenol (Surr)	*79*		*35 - 120*	*10/21/21 14:44*	*10/25/21 17:42*	*1*
2,4,6-Tribromophenol (Surr)	*108*		*41 - 120*	*10/21/21 14:44*	*10/25/21 17:42*	*1*
2-Fluorobiphenyl (Surr)	*111*		*48 - 120*	*10/21/21 14:44*	*10/25/21 17:42*	*1*

Surrogate Summary

Client: New York State D.E.C.
Job ID: 480-191204-1
Project/Site: Borden Chemical #709001

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DCA	BFB	DBFM
Lab Sample ID	Client Sample ID	(80-120)	(77-120)	(73-120)	(75-123)
480-191204-2	BOR-MW-27-WG	82	97	94	97
480-191204-5	BOR-BC-SMP-WS	102	90	99	93
480-191204-6	BOR-MW-28-WG	100	97	97	95
480-191204-7	BOR-MW-30-WG	103	89	100	85
480-191204-8	BOR-OW-10R-WG	101	102	90	98
480-191204-8 MS	BOR-OW-10R-WG	103	93	99	94
480-191204-8 MSD	BOR-OW-10R-WG	104	93	101	96
480-191204-9	BOR-OW-35R-WG	106	101	101	98
480-191204-10	BOR-DUP-2-WG	102	96	98	94
480-191204-11	TRIPBLANK1	104	95	100	96
480-191204-12	TRIPBLANK2	100	96	91	97
480-191204-13	BOR-MW-15-WG	101	97	98	99
480-191204-14	BOR-MW-35R-WG	104	97	99	98
LCS 480-601826/6	Lab Control Sample	102	93	99	98
MB 480-601826/8	Method Blank	101	92	95	95

Surrogate Legend

TOL = Toluene-d8 (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		NBZ	TPHd14	PHL	2FP	TBP	FBP
Lab Sample ID	Client Sample ID	(46-120)	(60-148)	(22-120)	(35-120)	(41-120)	(48-120)
480-191204-2	BOR-MW-27-WG	79	88	49	69	92	97
480-191204-5	BOR-BC-SMP-WS	77	97	48	63	83	99
480-191204-6	BOR-MW-28-WG	72	78	48	61	101	90
480-191204-7	BOR-MW-30-WG	79	92	50	64	82	108
480-191204-8	BOR-OW-10R-WG	229 S1+	85	45	0 S1-	0 S1-	88
480-191204-8 MS	BOR-OW-10R-WG	246 S1+	71	49	0 S1-	472 S1+	92
480-191204-8 MSD	BOR-OW-10R-WG	0 S1-	64	41	0 S1-	0 S1-	85
480-191204-9	BOR-OW-35R-WG	85	93	56	77	114	110
480-191204-10	BOR-DUP-2-WG	0 S1-	110	0 S1-	0 S1-	0 S1-	97
480-191204-13	BOR-MW-15-WG	0 S1-	0 S1-	0 S1-	0 S1-	0 S1-	0 S1-
480-191204-14	BOR-MW-35R-WG	86	116	65	79	108	111
LCS 480-601482/2-A	Lab Control Sample	79	99	49	63	100	99
MB 480-601482/1-A	Method Blank	79	112	47	62	80	101

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
PHL = Phenol-d5 (Surr)
2FP = 2-Fluorophenol (Surr)
TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)

Surrogate Summary

Client: New York State D.E.C. Job ID: 480-191204-1
Project/Site: Borden Chemical #709001

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TCX1	TCX2	DCBP1	DCBP2
Lab Sample ID	Client Sample ID	(39-121)	(39-121)	(19-120)	(19-120)
480-191204-1	BOR-MW-2B-WG	69	77	90	114
480-191204-1 MS	BOR-MW-2B-WG	72	79	84	106
480-191204-1 MSD	BOR-MW-2B-WG	84	91	96	120
480-191204-3	BOR-DUP-1-WG	86	98	82	106
480-191204-4	BOR-MW-17-1-WG	91	99	86	109
LCS 480-601489/2-A	Lab Control Sample	89	96	44	55
MB 480-601489/1-A	Method Blank	63	70	55	63

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-601826/8
Matrix: Water
Analysis Batch: 601826

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/25/21 13:52	1
Toluene	ND		1.0	0.51	ug/L			10/25/21 13:52	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/25/21 13:52	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/25/21 13:52	1
o-Xylene	ND		1.0	0.76	ug/L			10/25/21 13:52	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/25/21 13:52	1
Total BTEX	ND		2.0	1.0	ug/L			10/25/21 13:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/25/21 13:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*77 - 120*		*10/25/21 13:52*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*10/25/21 13:52*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*10/25/21 13:52*	*1*

Lab Sample ID: LCS 480-601826/6
Matrix: Water
Analysis Batch: 601826

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			25.0	28.6		ug/L		114	71 - 124		
Toluene			25.0	29.3		ug/L		117	80 - 122		
Ethylbenzene			25.0	28.6		ug/L		114	77 - 123		
m-Xylene & p-Xylene			25.0	28.9		ug/L		116	76 - 122		
o-Xylene			25.0	28.9		ug/L		116	76 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*102*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 120*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*
Dibromofluoromethane (Surr)	*98*		*75 - 123*

Lab Sample ID: 480-191204-8 MS
Matrix: Water
Analysis Batch: 601826

Client Sample ID: BOR-OW-10R-WG
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	14		250	277		ug/L		105	71 - 124		
Toluene	470		250	690		ug/L		88	80 - 122		
Ethylbenzene	ND		250	277		ug/L		111	77 - 123		
m-Xylene & p-Xylene	ND		250	280		ug/L		112	76 - 122		
o-Xylene	ND		250	277		ug/L		111	76 - 122		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*103*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 120*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*
Dibromofluoromethane (Surr)	*94*		*75 - 123*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-191204-8 MSD
Matrix: Water
Analysis Batch: 601826

Client Sample ID: BOR-OW-10R-WG
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	14		250	268		ug/L		102	71 - 124	3	13
Toluene	470		250	676		ug/L		82	80 - 122	2	15
Ethylbenzene	ND		250	271		ug/L		108	77 - 123	2	15
m-Xylene & p-Xylene	ND		250	273		ug/L		109	76 - 122	2	16
o-Xylene	ND		250	270		ug/L		108	76 - 122	3	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*104*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 120*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*
Dibromofluoromethane (Surr)	*96*		*75 - 123*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-601482/1-A
Matrix: Water
Analysis Batch: 601587

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 601482

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		5.0	0.39	ug/L		10/21/21 14:44	10/22/21 15:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*79*		*46 - 120*	*10/21/21 14:44*	*10/22/21 15:01*	*1*
p-Terphenyl-d14 (Surr)	*112*		*60 - 148*	*10/21/21 14:44*	*10/22/21 15:01*	*1*
Phenol-d5 (Surr)	*47*		*22 - 120*	*10/21/21 14:44*	*10/22/21 15:01*	*1*
2-Fluorophenol (Surr)	*62*		*35 - 120*	*10/21/21 14:44*	*10/22/21 15:01*	*1*
2,4,6-Tribromophenol (Surr)	*80*		*41 - 120*	*10/21/21 14:44*	*10/22/21 15:01*	*1*
2-Fluorobiphenyl (Surr)	*101*		*48 - 120*	*10/21/21 14:44*	*10/22/21 15:01*	*1*

Lab Sample ID: LCS 480-601482/2-A
Matrix: Water
Analysis Batch: 601587

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 601482

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Phenol			32.0	16.1		ug/L		50	17 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*79*		*46 - 120*
p-Terphenyl-d14 (Surr)	*99*		*60 - 148*
Phenol-d5 (Surr)	*49*		*22 - 120*
2-Fluorophenol (Surr)	*63*		*35 - 120*
2,4,6-Tribromophenol (Surr)	*100*		*41 - 120*
2-Fluorobiphenyl (Surr)	*99*		*48 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-191204-8 MS
Matrix: Water
Analysis Batch: 601851

Client Sample ID: BOR-OW-10R-WG
Prep Type: Total/NA
Prep Batch: 601482

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Phenol	24000		160	22900	4	ug/L		-421	16 - 120		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*246*	*S1+*	*46 - 120*
p-Terphenyl-d14 (Surr)	*71*		*60 - 148*
Phenol-d5 (Surr)	*49*		*22 - 120*
2-Fluorophenol (Surr)	*0*	*S1-*	*35 - 120*
2,4,6-Tribromophenol (Surr)	*472*	*S1+*	*41 - 120*
2-Fluorobiphenyl (Surr)	*92*		*48 - 120*

Lab Sample ID: 480-191204-8 MSD
Matrix: Water
Analysis Batch: 601851

Client Sample ID: BOR-OW-10R-WG
Prep Type: Total/NA
Prep Batch: 601482

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Phenol	24000		160	24600	4	ug/L		627	16 - 120	7	34

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*0*	*S1-*	*46 - 120*
p-Terphenyl-d14 (Surr)	*64*		*60 - 148*
Phenol-d5 (Surr)	*41*		*22 - 120*
2-Fluorophenol (Surr)	*0*	*S1-*	*35 - 120*
2,4,6-Tribromophenol (Surr)	*0*	*S1-*	*41 - 120*
2-Fluorobiphenyl (Surr)	*85*		*48 - 120*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-601489/1-A
Matrix: Water
Analysis Batch: 601894

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 601489

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/21/21 14:54	10/25/21 17:37	1
PCB-1221	ND		0.50	0.18	ug/L		10/21/21 14:54	10/25/21 17:37	1
PCB-1232	ND		0.50	0.18	ug/L		10/21/21 14:54	10/25/21 17:37	1
PCB-1242	ND		0.50	0.18	ug/L		10/21/21 14:54	10/25/21 17:37	1
PCB-1248	ND		0.50	0.18	ug/L		10/21/21 14:54	10/25/21 17:37	1
PCB-1254	ND		0.50	0.25	ug/L		10/21/21 14:54	10/25/21 17:37	1
PCB-1260	ND		0.50	0.25	ug/L		10/21/21 14:54	10/25/21 17:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*63*		*39 - 121*	*10/21/21 14:54*	*10/25/21 17:37*	*1*
Tetrachloro-m-xylene	*70*		*39 - 121*	*10/21/21 14:54*	*10/25/21 17:37*	*1*
DCB Decachlorobiphenyl	*55*		*19 - 120*	*10/21/21 14:54*	*10/25/21 17:37*	*1*
DCB Decachlorobiphenyl	*63*		*19 - 120*	*10/21/21 14:54*	*10/25/21 17:37*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 480-601489/2-A
Matrix: Water
Analysis Batch: 601894

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 601489

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			4.00	4.25		ug/L		106	62 - 130		
PCB-1260			4.00	3.72		ug/L		93	56 - 123		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*89*		*39 - 121*
Tetrachloro-m-xylene	*96*		*39 - 121*
DCB Decachlorobiphenyl	*44*		*19 - 120*
DCB Decachlorobiphenyl	*55*		*19 - 120*

Lab Sample ID: 480-191204-1 MS
Matrix: Water
Analysis Batch: 601894

Client Sample ID: BOR-MW-2B-WG
Prep Type: Total/NA
Prep Batch: 601489

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016	ND		4.00	4.20		ug/L		105	28 - 150		
PCB-1260	ND		4.00	4.31		ug/L		108	25 - 131		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*72*		*39 - 121*
Tetrachloro-m-xylene	*79*		*39 - 121*
DCB Decachlorobiphenyl	*84*		*19 - 120*
DCB Decachlorobiphenyl	*106*		*19 - 120*

Lab Sample ID: 480-191204-1 MSD
Matrix: Water
Analysis Batch: 601894

Client Sample ID: BOR-MW-2B-WG
Prep Type: Total/NA
Prep Batch: 601489

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		4.00	4.83		ug/L		121	28 - 150	14	50
PCB-1260	ND		4.00	4.82		ug/L		120	25 - 131	11	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*84*		*39 - 121*
Tetrachloro-m-xylene	*91*		*39 - 121*
DCB Decachlorobiphenyl	*96*		*19 - 120*
DCB Decachlorobiphenyl	*120*		*19 - 120*

Method: 8315A - Carbonyl Compounds by HPLC

Lab Sample ID: MB 240-509461/18-A
Matrix: Water
Analysis Batch: 509749

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 509461

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Formaldehyde	ND		0.050	0.041	mg/L		10/22/21 11:26	10/25/21 12:57	1

Method: 8315A - Carbonyl Compounds by HPLC (Continued)

Lab Sample ID: LCS 240-509461/19-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 509749
Prep Batch: 509461

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Formaldehyde			0.400	0.389		mg/L		97	20 - 120		

Lab Sample ID: 480-191204-8 MS
Client Sample ID: BOR-OW-10R-WG
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 509749
Prep Batch: 509461

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Formaldehyde	ND		0.400	0.370		mg/L		93	15 - 120		

Lab Sample ID: 480-191204-8 MSD
Client Sample ID: BOR-OW-10R-WG
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 509749
Prep Batch: 509461

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Formaldehyde	ND		0.400	0.353		mg/L		88	15 - 120	5	35

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

GC/MS VOA

Analysis Batch: 601826

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-191204-2	BOR-MW-27-WG	Total/NA	Water	8260C	
480-191204-5	BOR-BC-SMP-WS	Total/NA	Water	8260C	
480-191204-6	BOR-MW-28-WG	Total/NA	Water	8260C	
480-191204-7	BOR-MW-30-WG	Total/NA	Water	8260C	
480-191204-8	BOR-OW-10R-WG	Total/NA	Water	8260C	
480-191204-9	BOR-OW-35R-WG	Total/NA	Water	8260C	
480-191204-10	BOR-DUP-2-WG	Total/NA	Water	8260C	
480-191204-11	TRIPBLANK1	Total/NA	Water	8260C	
480-191204-12	TRIPBLANK2	Total/NA	Water	8260C	
480-191204-13	BOR-MW-15-WG	Total/NA	Water	8260C	
480-191204-14	BOR-MW-35R-WG	Total/NA	Water	8260C	
MB 480-601826/8	Method Blank	Total/NA	Water	8260C	
LCS 480-601826/6	Lab Control Sample	Total/NA	Water	8260C	
480-191204-8 MS	BOR-OW-10R-WG	Total/NA	Water	8260C	
480-191204-8 MSD	BOR-OW-10R-WG	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 601482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-191204-2	BOR-MW-27-WG	Total/NA	Water	3510C	
480-191204-5	BOR-BC-SMP-WS	Total/NA	Water	3510C	
480-191204-6	BOR-MW-28-WG	Total/NA	Water	3510C	
480-191204-7	BOR-MW-30-WG	Total/NA	Water	3510C	
480-191204-8	BOR-OW-10R-WG	Total/NA	Water	3510C	
480-191204-9	BOR-OW-35R-WG	Total/NA	Water	3510C	
480-191204-10	BOR-DUP-2-WG	Total/NA	Water	3510C	
480-191204-13	BOR-MW-15-WG	Total/NA	Water	3510C	
480-191204-14	BOR-MW-35R-WG	Total/NA	Water	3510C	
MB 480-601482/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-601482/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-191204-8 MS	BOR-OW-10R-WG	Total/NA	Water	3510C	
480-191204-8 MSD	BOR-OW-10R-WG	Total/NA	Water	3510C	

Analysis Batch: 601587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-191204-2	BOR-MW-27-WG	Total/NA	Water	8270D	601482
480-191204-5	BOR-BC-SMP-WS	Total/NA	Water	8270D	601482
MB 480-601482/1-A	Method Blank	Total/NA	Water	8270D	601482
LCS 480-601482/2-A	Lab Control Sample	Total/NA	Water	8270D	601482

Analysis Batch: 601851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-191204-6	BOR-MW-28-WG	Total/NA	Water	8270D	601482
480-191204-7	BOR-MW-30-WG	Total/NA	Water	8270D	601482
480-191204-8	BOR-OW-10R-WG	Total/NA	Water	8270D	601482
480-191204-9	BOR-OW-35R-WG	Total/NA	Water	8270D	601482
480-191204-10	BOR-DUP-2-WG	Total/NA	Water	8270D	601482
480-191204-14	BOR-MW-35R-WG	Total/NA	Water	8270D	601482
480-191204-8 MS	BOR-OW-10R-WG	Total/NA	Water	8270D	601482
480-191204-8 MSD	BOR-OW-10R-WG	Total/NA	Water	8270D	601482

QC Association Summary

Client: New York State D.E.C.
Project/Site: Borden Chemical #709001

Job ID: 480-191204-1

GC/MS Semi VOA

Analysis Batch: 602004

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-191204-13	BOR-MW-15-WG	Total/NA	Water	8270D	601482

GC Semi VOA

Prep Batch: 601489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-191204-1	BOR-MW-2B-WG	Total/NA	Water	3510C	
480-191204-3	BOR-DUP-1-WG	Total/NA	Water	3510C	
480-191204-4	BOR-MW-17-1-WG	Total/NA	Water	3510C	
MB 480-601489/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-601489/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-191204-1 MS	BOR-MW-2B-WG	Total/NA	Water	3510C	
480-191204-1 MSD	BOR-MW-2B-WG	Total/NA	Water	3510C	

Analysis Batch: 601894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-191204-1	BOR-MW-2B-WG	Total/NA	Water	8082A	601489
480-191204-3	BOR-DUP-1-WG	Total/NA	Water	8082A	601489
480-191204-4	BOR-MW-17-1-WG	Total/NA	Water	8082A	601489
MB 480-601489/1-A	Method Blank	Total/NA	Water	8082A	601489
LCS 480-601489/2-A	Lab Control Sample	Total/NA	Water	8082A	601489
480-191204-1 MS	BOR-MW-2B-WG	Total/NA	Water	8082A	601489
480-191204-1 MSD	BOR-MW-2B-WG	Total/NA	Water	8082A	601489

HPLC/IC

Prep Batch: 509461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-191204-2	BOR-MW-27-WG	Total/NA	Water	8315A_W_Prep	
480-191204-8	BOR-OW-10R-WG	Total/NA	Water	8315A_W_Prep	
480-191204-10	BOR-DUP-2-WG	Total/NA	Water	8315A_W_Prep	
MB 240-509461/18-A	Method Blank	Total/NA	Water	8315A_W_Prep	
LCS 240-509461/19-A	Lab Control Sample	Total/NA	Water	8315A_W_Prep	
480-191204-8 MS	BOR-OW-10R-WG	Total/NA	Water	8315A_W_Prep	
480-191204-8 MSD	BOR-OW-10R-WG	Total/NA	Water	8315A_W_Prep	

Analysis Batch: 509749

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-191204-2	BOR-MW-27-WG	Total/NA	Water	8315A	509461
480-191204-8	BOR-OW-10R-WG	Total/NA	Water	8315A	509461
480-191204-10	BOR-DUP-2-WG	Total/NA	Water	8315A	509461
MB 240-509461/18-A	Method Blank	Total/NA	Water	8315A	509461
LCS 240-509461/19-A	Lab Control Sample	Total/NA	Water	8315A	509461
480-191204-8 MS	BOR-OW-10R-WG	Total/NA	Water	8315A	509461
480-191204-8 MSD	BOR-OW-10R-WG	Total/NA	Water	8315A	509461

Client Sample ID: BOR-MW-2B-WG
Lab Sample ID: 480-191204-1
Date Collected: 10/20/21 13:20
Matrix: Water
Date Received: 10/21/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			601489	10/21/21 14:54	CMC	TAL BUF
Total/NA	Analysis	8082A		1	601894	10/25/21 18:29	NC	TAL BUF

Client Sample ID: BOR-MW-27-WG
Lab Sample ID: 480-191204-2
Date Collected: 10/20/21 15:10
Matrix: Water
Date Received: 10/21/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	601826	10/25/21 15:24	ATG	TAL BUF
Total/NA	Prep	3510C			601482	10/21/21 14:44	CMC	TAL BUF
Total/NA	Analysis	8270D		1	601587	10/22/21 23:08	JMM	TAL BUF
Total/NA	Prep	8315A_W_Prep			509461	10/22/21 09:11	BMB	TAL CAN
Total/NA	Analysis	8315A		1	509749	10/25/21 14:00	KMG	TAL CAN

Client Sample ID: BOR-DUP-1-WG
Lab Sample ID: 480-191204-3
Date Collected: 10/20/21 08:00
Matrix: Water
Date Received: 10/21/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			601489	10/21/21 14:54	CMC	TAL BUF
Total/NA	Analysis	8082A		1	601894	10/25/21 20:37	NC	TAL BUF

Client Sample ID: BOR-MW-17-1-WG
Lab Sample ID: 480-191204-4
Date Collected: 10/20/21 09:20
Matrix: Water
Date Received: 10/21/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			601489	10/21/21 14:54	CMC	TAL BUF
Total/NA	Analysis	8082A		1	601894	10/25/21 20:50	NC	TAL BUF

Client Sample ID: BOR-BC-SMP-WS
Lab Sample ID: 480-191204-5
Date Collected: 10/20/21 09:45
Matrix: Water
Date Received: 10/21/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	601826	10/25/21 15:47	ATG	TAL BUF
Total/NA	Prep	3510C			601482	10/21/21 14:44	CMC	TAL BUF
Total/NA	Analysis	8270D		1	601587	10/22/21 23:35	JMM	TAL BUF

Client Sample ID: BOR-MW-28-WG
Lab Sample ID: 480-191204-6
Date Collected: 10/20/21 11:40
Matrix: Water
Date Received: 10/21/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	601826	10/25/21 16:11	ATG	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Job ID: 480-191204-1
Project/Site: Borden Chemical #709001

Client Sample ID: BOR-MW-28-WG
Lab Sample ID: 480-191204-6
Date Collected: 10/20/21 11:40
Matrix: Water
Date Received: 10/21/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			601482	10/21/21 14:44	CMC	TAL BUF
Total/NA	Analysis	8270D		1	601851	10/25/21 15:26	JMM	TAL BUF

Client Sample ID: BOR-MW-30-WG
Lab Sample ID: 480-191204-7
Date Collected: 10/20/21 12:00
Matrix: Water
Date Received: 10/21/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	601826	10/25/21 16:34	ATG	TAL BUF
Total/NA	Prep	3510C			601482	10/21/21 14:44	CMC	TAL BUF
Total/NA	Analysis	8270D		1	601851	10/25/21 15:53	JMM	TAL BUF

Client Sample ID: BOR-OW-10R-WG
Lab Sample ID: 480-191204-8
Date Collected: 10/20/21 13:15
Matrix: Water
Date Received: 10/21/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	601826	10/25/21 16:58	ATG	TAL BUF
Total/NA	Prep	3510C			601482	10/21/21 14:44	CMC	TAL BUF
Total/NA	Analysis	8270D		200	601851	10/25/21 14:59	JMM	TAL BUF
Total/NA	Prep	8315A_W_Prep			509461	10/22/21 09:11	BMB	TAL CAN
Total/NA	Analysis	8315A		1	509749	10/25/21 14:09	KMG	TAL CAN

Client Sample ID: BOR-OW-35R-WG
Lab Sample ID: 480-191204-9
Date Collected: 10/20/21 14:40
Matrix: Water
Date Received: 10/21/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	601826	10/25/21 17:21	ATG	TAL BUF
Total/NA	Prep	3510C			601482	10/21/21 14:44	CMC	TAL BUF
Total/NA	Analysis	8270D		1	601851	10/25/21 16:20	JMM	TAL BUF

Client Sample ID: BOR-DUP-2-WG
Lab Sample ID: 480-191204-10
Date Collected: 10/20/21 08:00
Matrix: Water
Date Received: 10/21/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	601826	10/25/21 17:44	ATG	TAL BUF
Total/NA	Prep	3510C			601482	10/21/21 14:44	CMC	TAL BUF
Total/NA	Analysis	8270D		500	601851	10/25/21 16:47	JMM	TAL BUF
Total/NA	Prep	8315A_W_Prep			509461	10/22/21 09:11	BMB	TAL CAN
Total/NA	Analysis	8315A		1	509749	10/25/21 14:45	KMG	TAL CAN

Lab Chronicle

Client: New York State D.E.C.
Job ID: 480-191204-1
Project/Site: Borden Chemical #709001

Client Sample ID: TRIPBLANK1
Lab Sample ID: 480-191204-11
Date Collected: 10/20/21 00:00
Matrix: Water
Date Received: 10/21/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	601826	10/25/21 18:07	ATG	TAL BUF

Client Sample ID: TRIPBLANK2
Lab Sample ID: 480-191204-12
Date Collected: 10/20/21 00:00
Matrix: Water
Date Received: 10/21/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	601826	10/25/21 18:30	ATG	TAL BUF

Client Sample ID: BOR-MW-15-WG
Lab Sample ID: 480-191204-13
Date Collected: 10/20/21 13:30
Matrix: Water
Date Received: 10/21/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		50	601826	10/25/21 18:54	ATG	TAL BUF
Total/NA	Prep	3510C			601482	10/21/21 14:44	CMC	TAL BUF
Total/NA	Analysis	8270D		5000	602004	10/27/21 02:21	JMM	TAL BUF

Client Sample ID: BOR-MW-35R-WG
Lab Sample ID: 480-191204-14
Date Collected: 10/19/21 15:20
Matrix: Water
Date Received: 10/21/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	601826	10/25/21 19:17	ATG	TAL BUF
Total/NA	Prep	3510C			601482	10/21/21 14:44	CMC	TAL BUF
Total/NA	Analysis	8270D		1	601851	10/25/21 17:42	JMM	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL CAN = Eurofins TestAmerica, Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Accreditation/Certification Summary

Client: New York State D.E.C. Job ID: 480-191204-1
Project/Site: Borden Chemical #709001

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260C		Water	Total BTEX

Laboratory: Eurofins TestAmerica, Canton

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10975	03-31-22

Method 8260C

Volatile Organic Compounds (GC/MS) by Method 8260C

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): ZB-624 (20) ID: 0.18(mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
BOR-MW-27-WG	480-191204-2	97	97	82	94
BOR-BC-SMP-WS	480-191204-5	93	90	102	99
BOR-MW-28-WG	480-191204-6	95	97	100	97
BOR-MW-30-WG	480-191204-7	85	89	103	100
BOR-OW-10R-WG	480-191204-8	98	102	101	90
BOR-OW-35R-WG	480-191204-9	98	101	106	101
BOR-DUP-2-WG	480-191204-10	94	96	102	98
TRIPBLANK1	480-191204-11	96	95	104	100
TRIPBLANK2	480-191204-12	97	96	100	91
BOR-MW-15-WG	480-191204-13	99	97	101	98
BOR-MW-35R-WG	480-191204-14	98	97	104	99
	MB 480-601826/8	95	92	101	95
	LCS 480-601826/6	98	93	102	99
BOR-OW-10R-WG MS	480-191204-8 MS	94	93	103	99
BOR-OW-10R-WG MSD	480-191204-8 MSD	96	93	104	101

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	75-123
DCA = 1,2-Dichloroethane-d4 (Surr)	77-120
TOL = Toluene-d8 (Surr)	80-120
BFB = 4-Bromofluorobenzene (Surr)	73-120

Column to be used to flag recovery values

FORM II 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S5321.D

Lab ID: LCS 480-601826/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Benzene	25.0	28.6	114	71-124	
Toluene	25.0	29.3	117	80-122	
Ethylbenzene	25.0	28.6	114	77-123	
m-Xylene & p-Xylene	25.0	28.9	116	76-122	
o-Xylene	25.0	28.9	116	76-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S5344.D

Lab ID: 480-191204-8 MS Client ID: BOR-OW-10R-WG MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Benzene	250	14	277	105	71-124	
Toluene	250	470	690	88	80-122	
Ethylbenzene	250	ND	277	111	77-123	
m-Xylene & p-Xylene	250	ND	280	112	76-122	
o-Xylene	250	ND	277	111	76-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S5345.D

Lab ID: 480-191204-8 MSD Client ID: BOR-OW-10R-WG MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Benzene	250	268	102	3	13	71-124	
Toluene	250	676	82	2	15	80-122	
Ethylbenzene	250	271	108	2	15	77-123	
m-Xylene & p-Xylene	250	273	109	2	16	76-122	
o-Xylene	250	270	108	3	16	76-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab File ID: S5323.D Lab Sample ID: MB 480-601826/8

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: HP5973S Date Analyzed: 10/25/2021 13:52

GC Column: ZB-624 (20) ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-601826/6	S5321.D	10/25/2021 12:47
BOR-MW-27-WG	480-191204-2	S5326.D	10/25/2021 15:24
BOR-BC-SMP-WS	480-191204-5	S5327.D	10/25/2021 15:47
BOR-MW-28-WG	480-191204-6	S5328.D	10/25/2021 16:11
BOR-MW-30-WG	480-191204-7	S5329.D	10/25/2021 16:34
BOR-OW-10R-WG	480-191204-8	S5330.D	10/25/2021 16:58
BOR-OW-35R-WG	480-191204-9	S5331.D	10/25/2021 17:21
BOR-DUP-2-WG	480-191204-10	S5332.D	10/25/2021 17:44
TRIPBLANK1	480-191204-11	S5333.D	10/25/2021 18:07
TRIPBLANK2	480-191204-12	S5334.D	10/25/2021 18:30
BOR-MW-15-WG	480-191204-13	S5335.D	10/25/2021 18:54
BOR-MW-35R-WG	480-191204-14	S5336.D	10/25/2021 19:17
BOR-OW-10R-WG MS	480-191204-8 MS	S5344.D	10/25/2021 22:22
BOR-OW-10R-WG MSD	480-191204-8 MSD	S5345.D	10/25/2021 22:46

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab File ID: S3497.D BFB Injection Date: 09/14/2021

Instrument ID: HP5973S BFB Injection Time: 16:49

Analysis Batch No.: 596289

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.0	
75	30.0 - 60.0 % of mass 95	47.3	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	82.8	
175	5.0 - 9.0 % of mass 174	6.9	(8.3) 1
176	95.0 - 101.0 % of mass 174	81.1	(97.9) 1
177	5.0 - 9.0 % of mass 176	5.2	(6.4) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-596289/4	S3499.D	09/14/2021	17:37
	IC 480-596289/5	S3500.D	09/14/2021	18:00
	IC 480-596289/6	S3501.D	09/14/2021	18:24
	IC 480-596289/7	S3502.D	09/14/2021	18:47
	IC 480-596289/8	S3503.D	09/14/2021	19:10
	ICIS 480-596289/9	S3504.D	09/14/2021	19:33
	IC 480-596289/10	S3505.D	09/14/2021	19:57
	IC 480-596289/11	S3506.D	09/14/2021	20:20
	ICV 480-596289/25	S3520.D	09/15/2021	1:44

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab File ID: S5318.D BFB Injection Date: 10/25/2021

Instrument ID: HP5973S BFB Injection Time: 11:34

Analysis Batch No.: 601826

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.3	
75	30.0 - 60.0 % of mass 95	45.7	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.4	
173	Less than 2.0 % of mass 174	0.4	(0.4) 1
174	Greater than 50% of mass 95	90.1	
175	5.0 - 9.0 % of mass 174	7.4	(8.3) 1
176	95.0 - 101.0 % of mass 174	89.5	(99.3) 1
177	5.0 - 9.0 % of mass 176	5.5	(6.2) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-601826/3	S5319.D	10/25/2021	12:01
	LCS 480-601826/6	S5321.D	10/25/2021	12:47
	MB 480-601826/8	S5323.D	10/25/2021	13:52
BOR-MW-27-WG	480-191204-2	S5326.D	10/25/2021	15:24
BOR-BC-SMP-WS	480-191204-5	S5327.D	10/25/2021	15:47
BOR-MW-28-WG	480-191204-6	S5328.D	10/25/2021	16:11
BOR-MW-30-WG	480-191204-7	S5329.D	10/25/2021	16:34
BOR-OW-10R-WG	480-191204-8	S5330.D	10/25/2021	16:58
BOR-OW-35R-WG	480-191204-9	S5331.D	10/25/2021	17:21
BOR-DUP-2-WG	480-191204-10	S5332.D	10/25/2021	17:44
TRIPBLANK1	480-191204-11	S5333.D	10/25/2021	18:07
TRIPBLANK2	480-191204-12	S5334.D	10/25/2021	18:30
BOR-MW-15-WG	480-191204-13	S5335.D	10/25/2021	18:54
BOR-MW-35R-WG	480-191204-14	S5336.D	10/25/2021	19:17
BOR-OW-10R-WG MS	480-191204-8 MS	S5344.D	10/25/2021	22:22
BOR-OW-10R-WG MSD	480-191204-8 MSD	S5345.D	10/25/2021	22:46

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Sample No.: ICIS 480-596289/9 Date Analyzed: 09/14/2021 19:33

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): S3504.D Heated Purge: (Y/N) N

Calibration ID: 42382

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		171221	5.00	348761	7.96	371999	10.40
UPPER LIMIT		342442	5.50	697522	8.46	743998	10.90
LOWER LIMIT		85611	4.50	174381	7.46	186000	9.90
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 480-596289/25		166897	5.00	340656	7.96	340955	10.40
CCVIS 480-601826/3		137329	5.00	284280	7.96	324532	10.40

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4 (IS)

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Sample No.: CCVIS 480-601826/3 Date Analyzed: 10/25/2021 12:01

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): S5319.D Heated Purge: (Y/N) N

Calibration ID: 42385

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		137329	5.00	284280	7.96	324532	10.40
UPPER LIMIT		274658	5.50	568560	8.46	649064	10.90
LOWER LIMIT		68665	4.50	142140	7.46	162266	9.90
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-601826/6		138226	5.00	281708	7.96	307856	10.40
MB 480-601826/8		133054	5.00	271086	7.96	285261	10.40
480-191204-2	BOR-MW-27-WG	94361	5.00	272736	7.96	296114	10.40
480-191204-5	BOR-BC-SMP-WS	136515	5.00	269437	7.96	295501	10.40
480-191204-6	BOR-MW-28-WG	131772	5.00	269207	7.96	295300	10.40
480-191204-7	BOR-MW-30-WG	135244	5.00	264074	7.96	287569	10.40
480-191204-8	BOR-OW-10R-WG	128941	5.00	270979	7.96	284437	10.40
480-191204-9	BOR-OW-35R-WG	129402	5.00	257196	7.96	278639	10.40
480-191204-10	BOR-DUP-2-WG	134851	5.00	268862	7.96	289523	10.40
480-191204-11	TRIPBLANK1	131876	5.00	257645	7.96	280435	10.40
480-191204-12	TRIPBLANK2	129532	5.00	266829	7.96	277648	10.40
480-191204-13	BOR-MW-15-WG	128380	5.00	266341	7.96	284721	10.40
480-191204-14	BOR-MW-35R-WG	127408	5.00	257047	7.96	286093	10.40
480-191204-8 MS	BOR-OW-10R-WG MS	137808	5.00	275841	7.96	306257	10.40
480-191204-8 MSD	BOR-OW-10R-WG MSD	138850	5.00	273428	7.96	302876	10.40

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4 (IS)

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Client Sample ID: BOR-MW-27-WG Lab Sample ID: 480-191204-2

Matrix: Water Lab File ID: S5326.D

Analysis Method: 8260C Date Collected: 10/20/2021 15:10

Sample wt/vol: 5(mL) Date Analyzed: 10/25/2021 15:24

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 601826 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.41
108-88-3	Toluene	ND		1.0	0.51
100-41-4	Ethylbenzene	ND		1.0	0.74
179601-23-1	m-Xylene & p-Xylene	ND		2.0	0.66
95-47-6	o-Xylene	ND		1.0	0.76
1330-20-7	Xylenes, Total	ND		2.0	0.66
STL00431	Total BTEX	ND		2.0	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	82		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		77-120
460-00-4	4-Bromofluorobenzene (Surr)	94		73-120
1868-53-7	Dibromofluoromethane (Surr)	97		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S5326.D
Lims ID: 480-191204-D-2
Client ID: BOR-MW-27-WG
Sample Type: Client
Inject. Date: 25-Oct-2021 15:24:30 ALS Bottle#: 12 Worklist Smp#: 37
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-191204-D-2
Misc. Info.: 480-0101887-037
Operator ID: AG/WD Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Oct-2021 14:15:20 Calib Date: 15-Sep-2021 00:35:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3517.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1680

First Level Reviewer: gruninga Date: 26-Oct-2021 14:16:04

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.999	0.000	99	94361	25.0	
* 2 Chlorobenzene-d5	82	7.962	7.962	0.000	86	272736	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.395	10.396	-0.001	92	296114	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.433	4.427	0.005	58	123397	24.3	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.732	4.732	0.000	92	79458	24.1	
$ 5 Toluene-d8 (Surr)	98	6.496	6.496	0.000	92	565029	20.5	
$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.221	0.000	93	217488	23.6	
57 Benzene	78		4.726				ND	
74 Toluene	92		6.557				ND	
88 Ethylbenzene	91		8.090				ND	
90 m-Xylene & p-Xylene	106		8.212				ND	
91 o-Xylene	106		8.631				ND	
S 123 Total BTEX	1		30.000				ND	7
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

S_8260_IS_00351 Amount Added: 1.00 Units: uL Run Reagent
S_8260_Surr_00403 Amount Added: 1.00 Units: uL Run Reagent

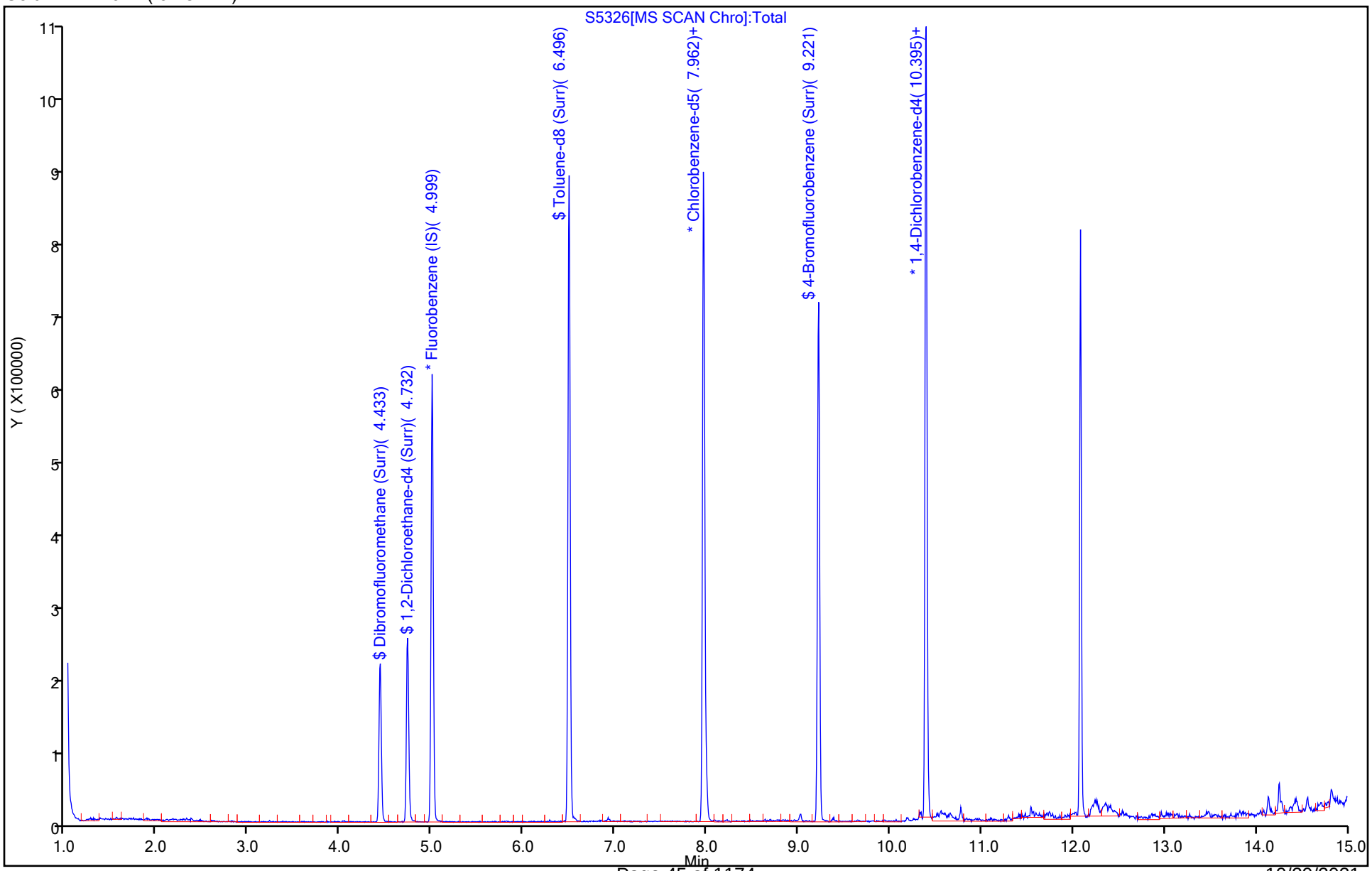
Report Date: 26-Oct-2021 14:16:04 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S5326.D

Injection Date:	25-Oct-2021 15:24:30	Instrument ID:	HP5973S	Operator ID:	AG/WD
Lims ID:	480-191204-D-2	Lab Sample ID:	480-191204-2	Worklist Smp#:	37
Client ID:	BOR-MW-27-WG				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Client Sample ID: BOR-BC-SMP-WS Lab Sample ID: 480-191204-5

Matrix: Water Lab File ID: S5327.D

Analysis Method: 8260C Date Collected: 10/20/2021 09:45

Sample wt/vol: 5(mL) Date Analyzed: 10/25/2021 15:47

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 601826 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.41
108-88-3	Toluene	ND		1.0	0.51
100-41-4	Ethylbenzene	ND		1.0	0.74
179601-23-1	m-Xylene & p-Xylene	ND		2.0	0.66
95-47-6	o-Xylene	ND		1.0	0.76
1330-20-7	Xylenes, Total	ND		2.0	0.66
STL00431	Total BTEX	ND		2.0	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	102		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
1868-53-7	Dibromofluoromethane (Surr)	93		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S5327.D				
Lims ID:	480-191204-D-5				
Client ID:	BOR-BC/SMP-WS				
Sample Type:	Client				
Inject. Date:	25-Oct-2021 15:47:30	ALS Bottle#:	13	Worklist Smp#:	38
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	480-191204-D-5				
Misc. Info.:	480-0101887-038				
Operator ID:	AG/WD	Instrument ID:	HP5973S		
Method:	\\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	26-Oct-2021 14:15:20	Calib Date:	15-Sep-2021 00:35:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3517.D				
Column 1 :	ZB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1680				
First Level Reviewer: gruninga		Date:	26-Oct-2021 14:16:10		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.999	0.000	99	136515	25.0	
* 2 Chlorobenzene-d5	82	7.962	7.962	0.000	84	269437	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.395	10.396	-0.001	93	295501	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.433	4.427	0.005	59	171475	23.3	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.732	4.732	0.000	92	107712	22.6	
$ 5 Toluene-d8 (Surr)	98	6.496	6.496	0.000	92	696751	25.6	
$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.221	0.000	94	225504	24.8	
57 Benzene	78		4.726				ND	
74 Toluene	92		6.557				ND	
88 Ethylbenzene	91		8.090				ND	
90 m-Xylene & p-Xylene	106		8.212				ND	
91 o-Xylene	106		8.631				ND	
S 123 Total BTEX	1		30.000				ND	7
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

S_8260_IS_00351	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00403	Amount Added:	1.00	Units: uL	Run Reagent

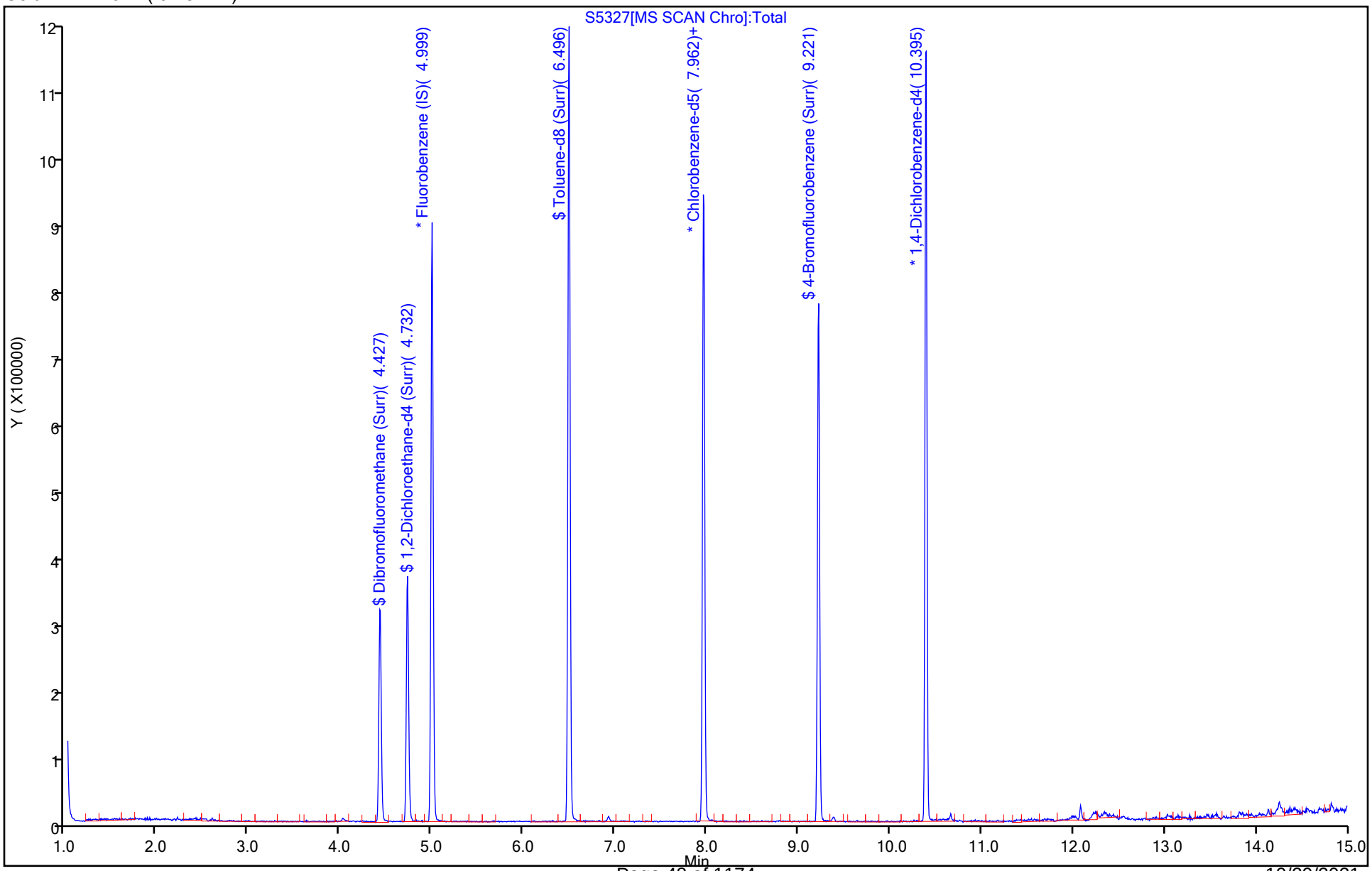
Report Date: 26-Oct-2021 14:16:10 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S5327.D

Injection Date:	25-Oct-2021 15:47:30	Instrument ID:	HP5973S	Operator ID:	AG/WD
Lims ID:	480-191204-D-5	Lab Sample ID:	480-191204-5	Worklist Smp#:	38
Client ID:	BOR-BC/SMP-WS				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Client Sample ID: BOR-MW-28-WG Lab Sample ID: 480-191204-6

Matrix: Water Lab File ID: S5328.D

Analysis Method: 8260C Date Collected: 10/20/2021 11:40

Sample wt/vol: 5(mL) Date Analyzed: 10/25/2021 16:11

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 601826 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	3.9		1.0	0.41
108-88-3	Toluene	ND		1.0	0.51
100-41-4	Ethylbenzene	ND		1.0	0.74
179601-23-1	m-Xylene & p-Xylene	ND		2.0	0.66
95-47-6	o-Xylene	ND		1.0	0.76
1330-20-7	Xylenes, Total	ND		2.0	0.66
STL00431	Total BTEX	3.9		2.0	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		77-120
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
1868-53-7	Dibromofluoromethane (Surr)	95		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S5328.D				
Lims ID:	480-191204-D-6				
Client ID:	BOR-MW-28-WG				
Sample Type:	Client				
Inject. Date:	25-Oct-2021 16:11:30	ALS Bottle#:	14	Worklist Smp#:	39
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	480-191204-D-6				
Misc. Info.:	480-0101887-039				
Operator ID:	AG/WD	Instrument ID:	HP5973S		
Method:	\\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	26-Oct-2021 14:15:20	Calib Date:	15-Sep-2021 00:35:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3517.D				
Column 1 :	ZB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1680				
First Level Reviewer: gruninga		Date:	26-Oct-2021 14:16:19		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.999	0.000	99	131772	25.0	
* 2 Chlorobenzene-d5	82	7.962	7.962	0.000	85	269207	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.395	10.396	-0.001	92	295300	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.427	4.427	-0.001	58	168861	23.8	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.731	4.732	-0.001	95	111924	24.4	
$ 5 Toluene-d8 (Surr)	98	6.496	6.496	0.000	92	678310	24.9	
$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.221	0.000	93	220426	24.2	
57 Benzene	78	4.725	4.726	-0.001	75	137093	3.89	
74 Toluene	92	6.557	6.557	0.000	76	8692	0.3990	
88 Ethylbenzene	91		8.090				ND	
90 m-Xylene & p-Xylene	106	8.211	8.211	-0.001	61	7171	0.4318	
91 o-Xylene	106	8.631	8.631	0.000	1	2924	0.1781	
S 123 Total BTEX	1				0		4.90	
S 124 Xylenes, Total	1				0		0.6099	

QC Flag Legend

Processing Flags

Reagents:

S_8260_IS_00351	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00403	Amount Added:	1.00	Units: uL	Run Reagent

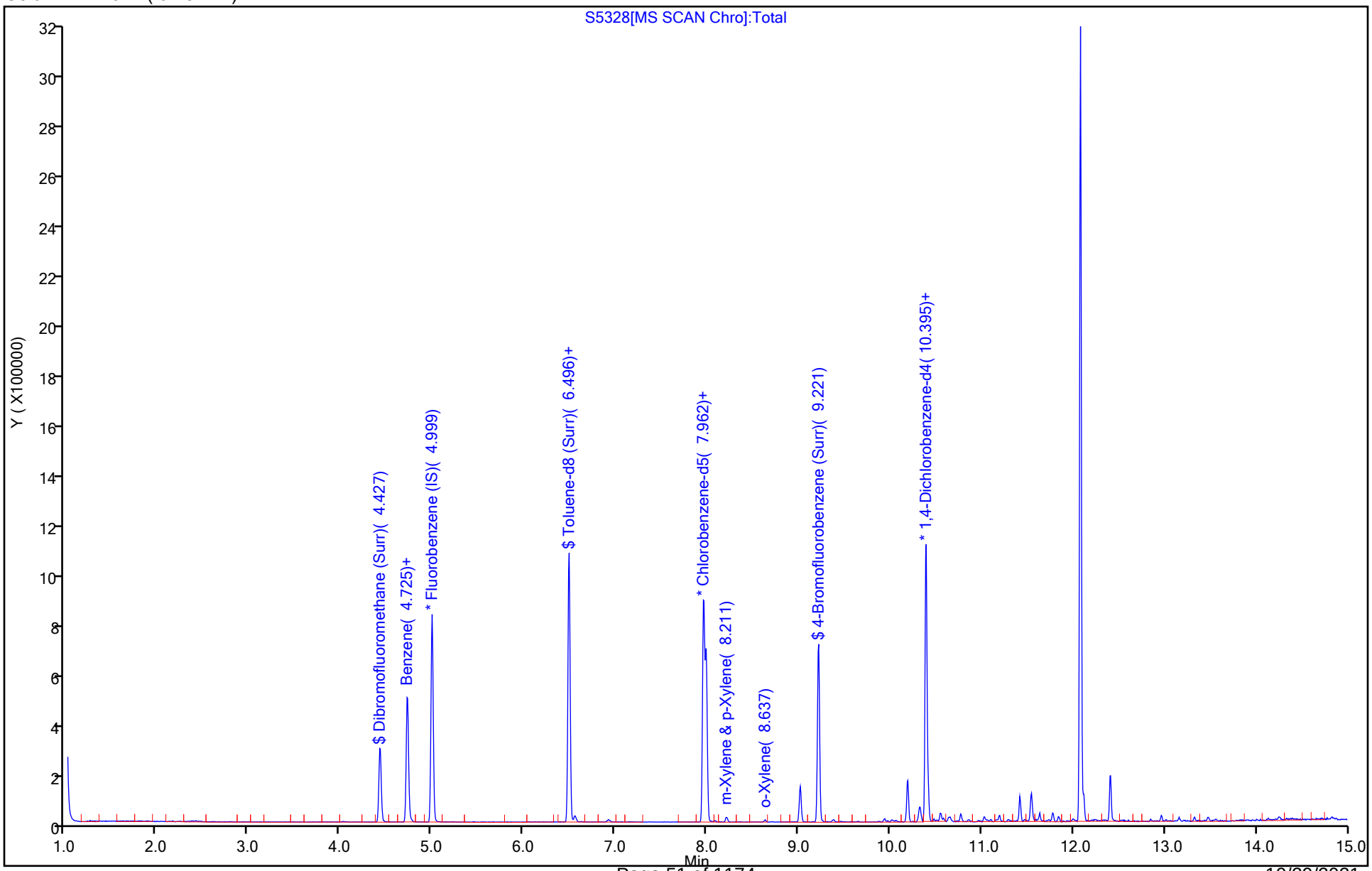
Report Date: 26-Oct-2021 14:16:19 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S5328.D

Injection Date:	25-Oct-2021 16:11:30	Instrument ID:	HP5973S	Operator ID:	AG/WD
Lims ID:	480-191204-D-6	Lab Sample ID:	480-191204-6	Worklist Smp#:	39
Client ID:	BOR-MW-28-WG				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)

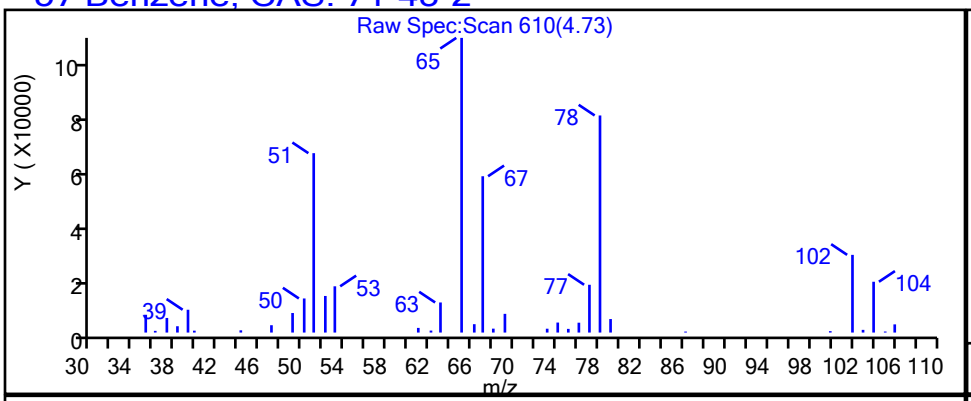


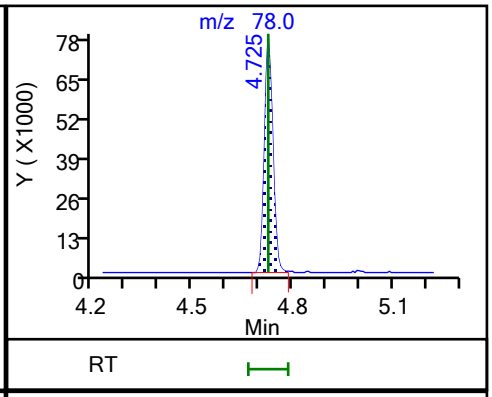
Report Date: 26-Oct-2021 14:16:19 Chrom Revision: 2.3 22-Sep-2021 15:38:46

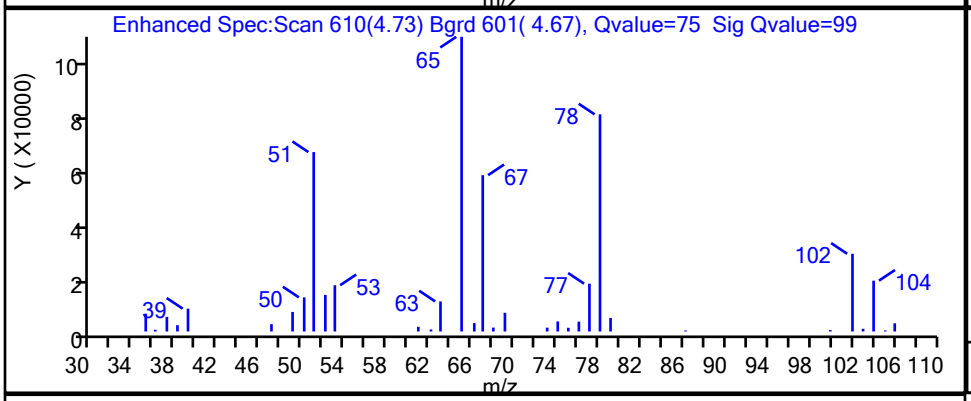
Eurofins TestAmerica, Buffalo

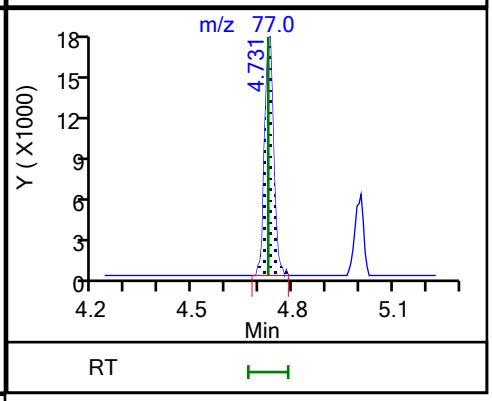
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S5328.D				
Injection Date:	25-Oct-2021 16:11:30	Instrument ID:	HP5973S		
Lims ID:	480-191204-D-6	Lab Sample ID:	480-191204-6		
Client ID:	BOR-MW-28-WG				
Operator ID:	AG/WD	ALS Bottle#:	14	Worklist Smp#:	39
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

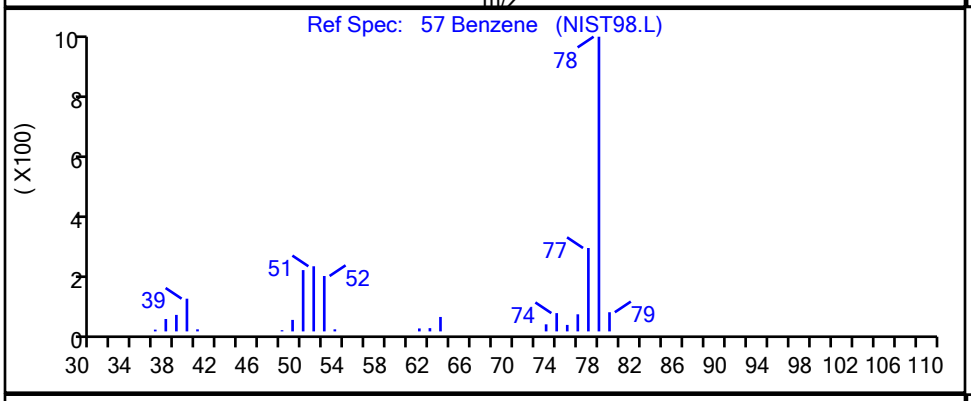
57 Benzene, CAS: 71-43-2

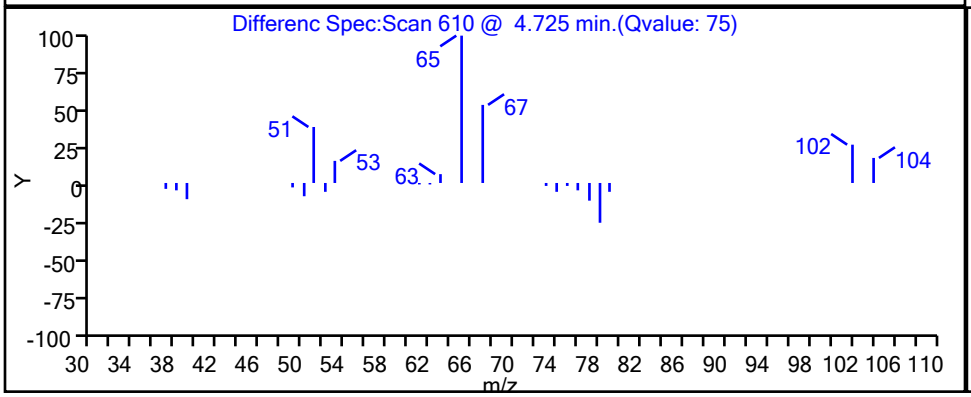


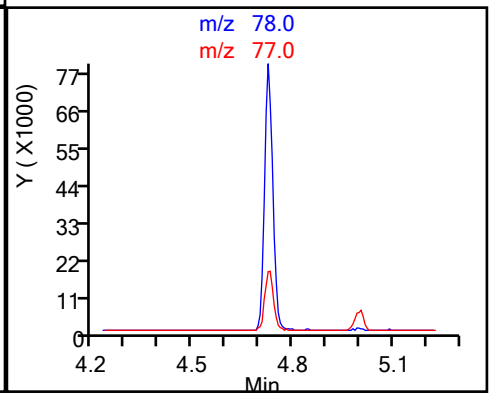












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Client Sample ID: BOR-MW-30-WG Lab Sample ID: 480-191204-7

Matrix: Water Lab File ID: S5329.D

Analysis Method: 8260C Date Collected: 10/20/2021 12:00

Sample wt/vol: 5(mL) Date Analyzed: 10/25/2021 16:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 601826 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.41
108-88-3	Toluene	ND		1.0	0.51
100-41-4	Ethylbenzene	ND		1.0	0.74
179601-23-1	m-Xylene & p-Xylene	ND		2.0	0.66
95-47-6	o-Xylene	ND		1.0	0.76
1330-20-7	Xylenes, Total	ND		2.0	0.66
STL00431	Total BTEX	ND		2.0	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	103		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
1868-53-7	Dibromofluoromethane (Surr)	85		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S5329.D
Lims ID: 480-191204-D-7
Client ID: BOR-MW-30-WG
Sample Type: Client
Inject. Date: 25-Oct-2021 16:34:30 ALS Bottle#: 15 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-191204-D-7
Misc. Info.: 480-0101887-040
Operator ID: AG/WD Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Oct-2021 14:15:20 Calib Date: 15-Sep-2021 00:35:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3517.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1680

First Level Reviewer: gruninga Date: 26-Oct-2021 14:16:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.999	0.000	99	135244	25.0	
* 2 Chlorobenzene-d5	82	7.962	7.962	0.000	86	264074	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.395	10.396	-0.001	94	287569	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.427	4.427	-0.001	58	155440	21.3	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.732	4.732	0.000	91	104438	22.1	
$ 5 Toluene-d8 (Surr)	98	6.496	6.496	0.000	93	686282	25.7	
$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.221	0.000	94	222995	25.0	
57 Benzene	78		4.726				ND	
74 Toluene	92		6.557				ND	
88 Ethylbenzene	91		8.090				ND	
90 m-Xylene & p-Xylene	106		8.212				ND	
91 o-Xylene	106		8.631				ND	
S 123 Total BTEX	1		30.000				ND	7
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

S_8260_IS_00351	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00403	Amount Added:	1.00	Units: uL	Run Reagent

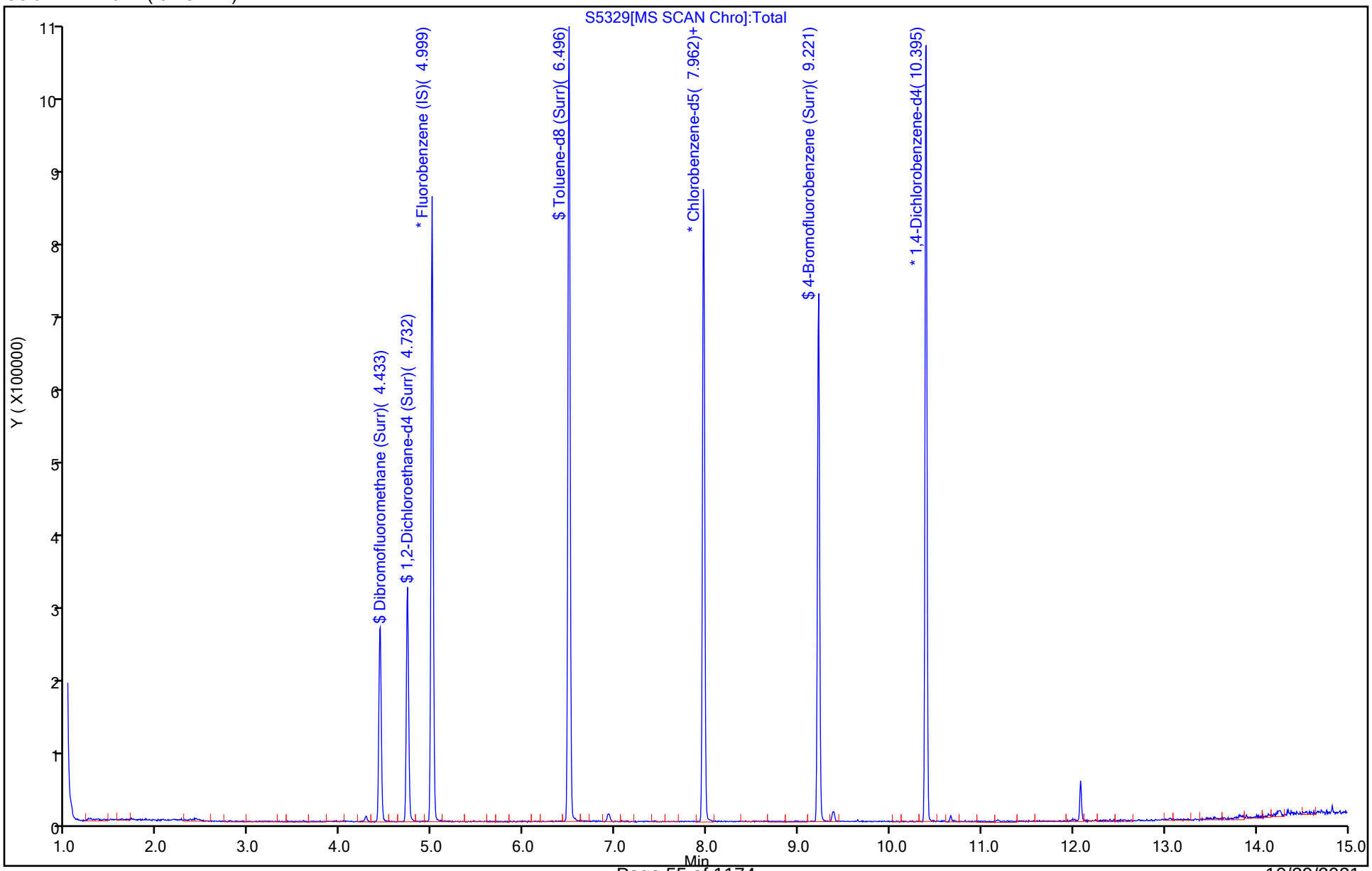
Report Date: 26-Oct-2021 14:16:26 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S5329.D

Injection Date:	25-Oct-2021 16:34:30	Instrument ID:	HP5973S	Operator ID:	AG/WD
Lims ID:	480-191204-D-7	Lab Sample ID:	480-191204-7	Worklist Smp#:	40
Client ID:	BOR-MW-30-WG				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Client Sample ID: BOR-OW-10R-WG Lab Sample ID: 480-191204-8

Matrix: Water Lab File ID: S5330.D

Analysis Method: 8260C Date Collected: 10/20/2021 13:15

Sample wt/vol: 5(mL) Date Analyzed: 10/25/2021 16:58

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 601826 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	14		10	4.1
108-88-3	Toluene	470		10	5.1
100-41-4	Ethylbenzene	ND		10	7.4
179601-23-1	m-Xylene & p-Xylene	ND		20	6.6
95-47-6	o-Xylene	ND		10	7.6
1330-20-7	Xylenes, Total	ND		20	6.6
STL00431	Total BTEX	480		20	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	101		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
460-00-4	4-Bromofluorobenzene (Surr)	90		73-120
1868-53-7	Dibromofluoromethane (Surr)	98		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S5330.D
Lims ID: 480-191204-D-8
Client ID: BOR-OW-10R-WG
Sample Type: Client
Inject. Date: 25-Oct-2021 16:58:30 ALS Bottle#: 16 Worklist Smp#: 41
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Sample Info: 480-191204-D-8
Misc. Info.: 480-0101887-041
Operator ID: AG/WD Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Oct-2021 14:15:20 Calib Date: 15-Sep-2021 00:35:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3517.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1680

First Level Reviewer: gruninga Date: 26-Oct-2021 14:16:41

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.999	0.000	99	128941	25.0	
* 2 Chlorobenzene-d5	82	7.962	7.962	0.000	85	270979	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.395	10.396	-0.001	93	284437	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.434	4.427	0.006	58	170129	24.5	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.732	4.732	0.000	97	114684	25.5	
$ 5 Toluene-d8 (Surr)	98	6.496	6.496	0.000	91	694151	25.3	
$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.221	0.000	93	206721	22.6	
57 Benzene	78	4.732	4.726	0.006	50	46545	1.35	
74 Toluene	92	6.557	6.557	0.000	95	1033746	47.1	
88 Ethylbenzene	91	8.096	8.090	0.006	44	15528	0.3767	
90 m-Xylene & p-Xylene	106		8.212				ND	
91 o-Xylene	106		8.631				ND	
S 123 Total BTEX	1				0		48.9	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

S_8260_IS_00351 Amount Added: 1.00 Units: uL Run Reagent
S_8260_Surr_00403 Amount Added: 1.00 Units: uL Run Reagent

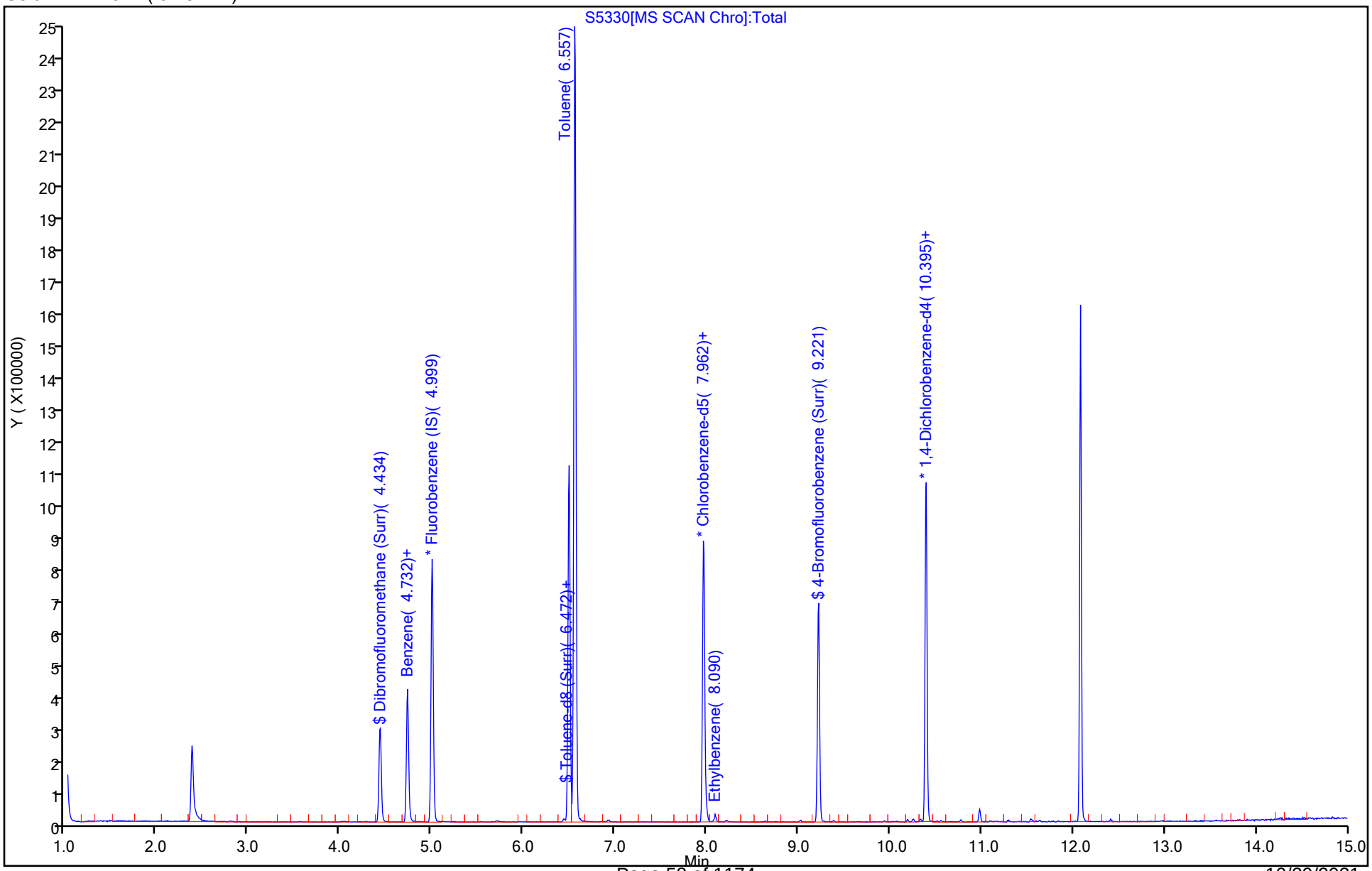
Report Date: 26-Oct-2021 14:16:42 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S5330.D

Injection Date:	25-Oct-2021 16:58:30	Instrument ID:	HP5973S	Operator ID:	AG/WD
Lims ID:	480-191204-D-8	Lab Sample ID:	480-191204-8	Worklist Smp#:	41
Client ID:	BOR-OW-10R-WG				
Purge Vol:	5.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	16
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



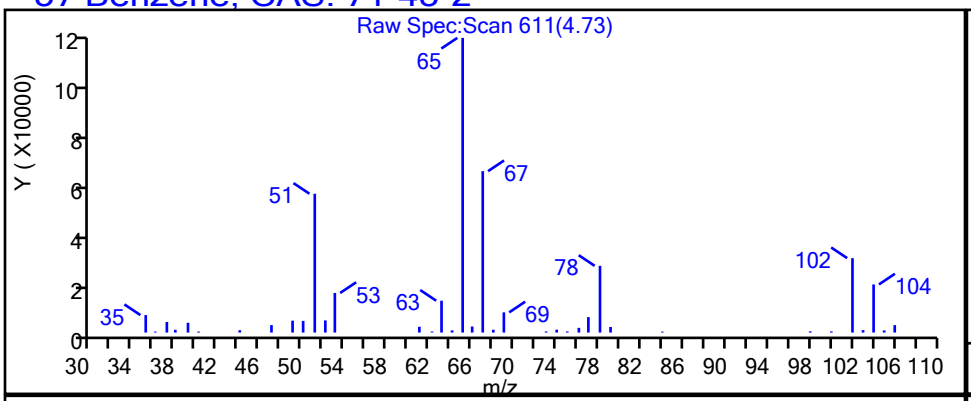
Report Date: 26-Oct-2021 14:16:42 Chrom Revision: 2.3 22-Sep-2021 15:38:46

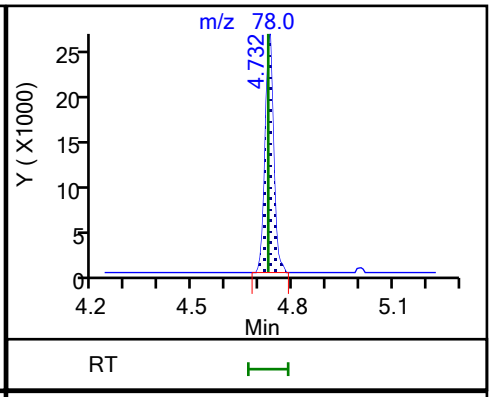
Eurofins TestAmerica, Buffalo

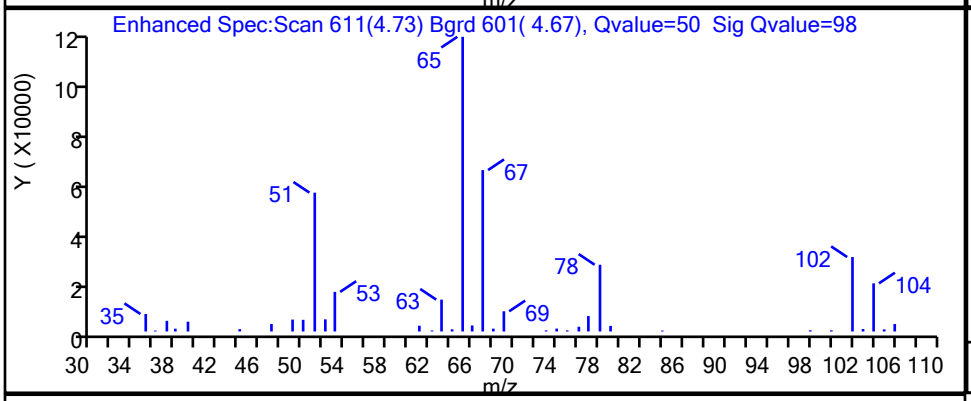
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S5330.D

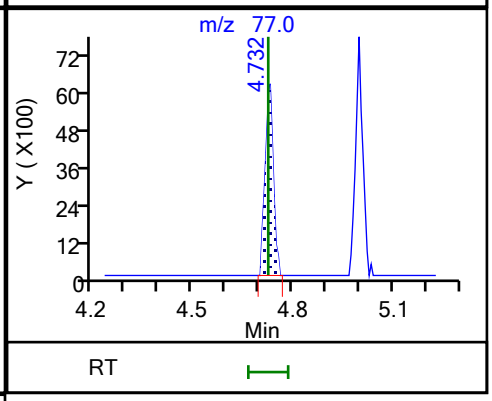
Injection Date:	25-Oct-2021 16:58:30	Instrument ID:	HP5973S		
Lims ID:	480-191204-D-8	Lab Sample ID:	480-191204-8		
Client ID:	BOR-OW-10R-WG				
Operator ID:	AG/WD	ALS Bottle#:	16	Worklist Smp#:	41
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

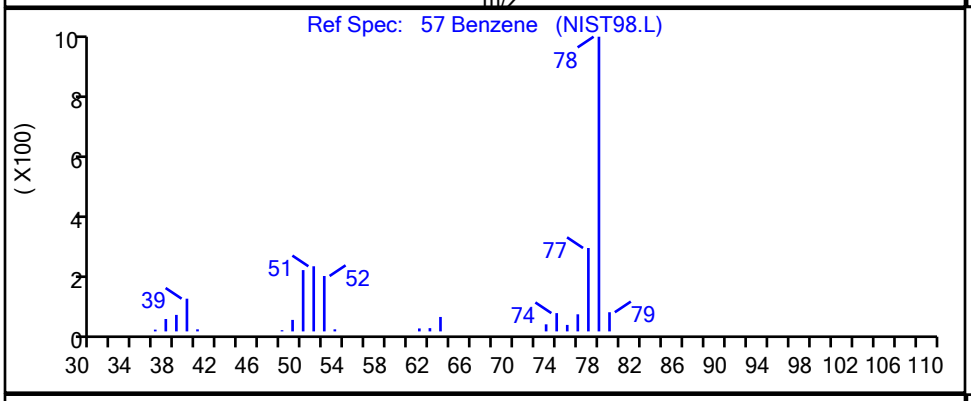
57 Benzene, CAS: 71-43-2

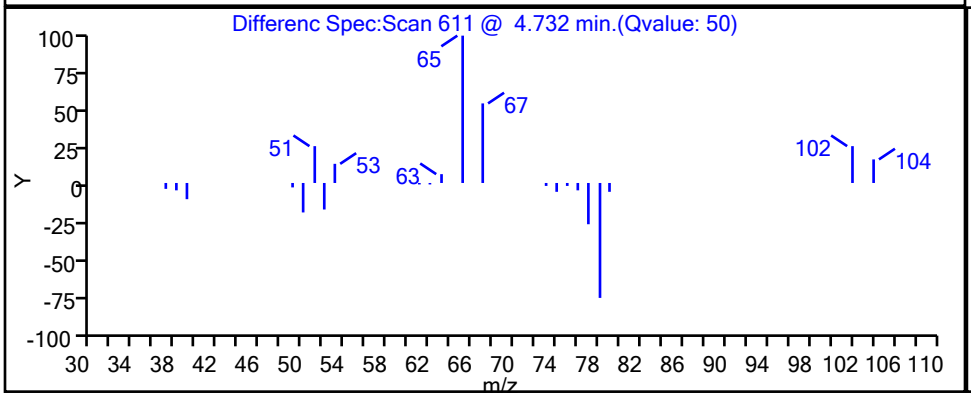


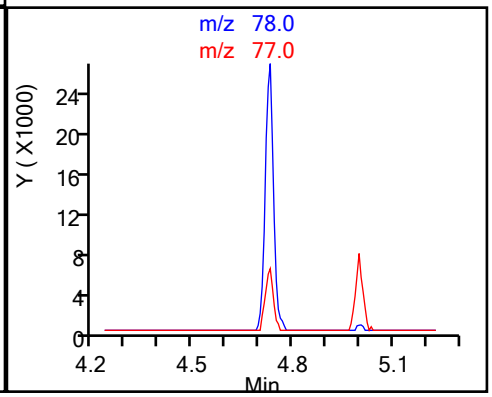












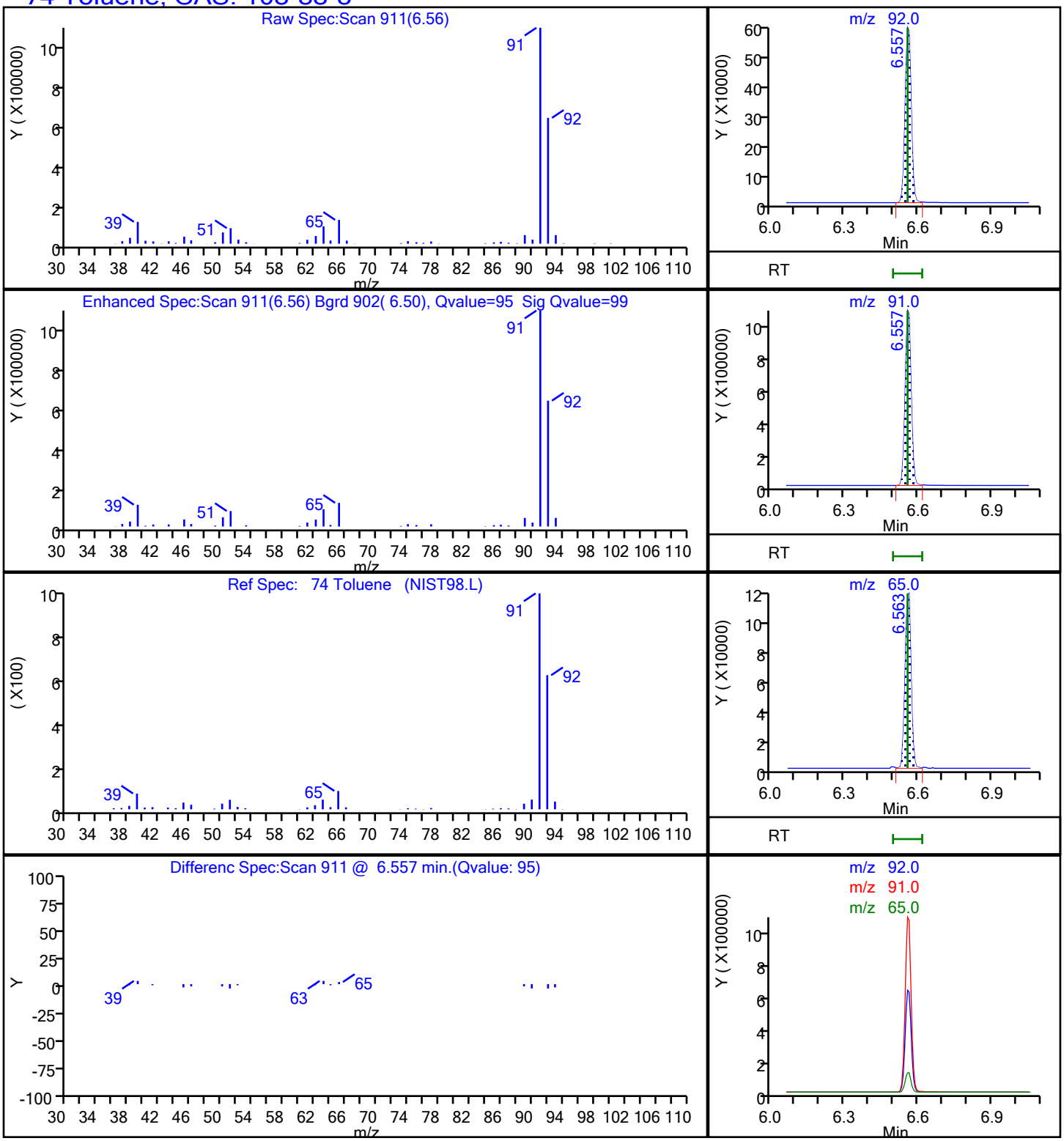
Report Date: 26-Oct-2021 14:16:42 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S5330.D

Injection Date:	25-Oct-2021 16:58:30	Instrument ID:	HP5973S		
Lims ID:	480-191204-D-8	Lab Sample ID:	480-191204-8		
Client ID:	BOR-OW-10R-WG				
Operator ID:	AG/WD	ALS Bottle#:	16	Worklist Smp#:	41
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

74 Toluene, CAS: 108-88-3



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Client Sample ID: BOR-OW-35R-WG Lab Sample ID: 480-191204-9

Matrix: Water Lab File ID: S5331.D

Analysis Method: 8260C Date Collected: 10/20/2021 14:40

Sample wt/vol: 5(mL) Date Analyzed: 10/25/2021 17:21

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 601826 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	2.8		1.0	0.41
108-88-3	Toluene	0.90	J	1.0	0.51
100-41-4	Ethylbenzene	ND		1.0	0.74
179601-23-1	m-Xylene & p-Xylene	0.97	J	2.0	0.66
95-47-6	o-Xylene	ND		1.0	0.76
1330-20-7	Xylenes, Total	0.97	J	2.0	0.66
STL00431	Total BTEX	4.7		2.0	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	106		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
1868-53-7	Dibromofluoromethane (Surr)	98		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S5331.D				
Lims ID:	480-191204-D-9				
Client ID:	BOR-OW-35R-WG				
Sample Type:	Client				
Inject. Date:	25-Oct-2021 17:21:30	ALS Bottle#:	17	Worklist Smp#:	42
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	480-191204-D-9				
Misc. Info.:	480-0101887-042				
Operator ID:	AG/WD	Instrument ID:	HP5973S		
Method:	\\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	26-Oct-2021 14:15:20	Calib Date:	15-Sep-2021 00:35:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3517.D				
Column 1 :	ZB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1680				
First Level Reviewer: gruninga		Date:	26-Oct-2021 14:16:49		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.999	0.000	99	129402	25.0	
* 2 Chlorobenzene-d5	82	7.962	7.962	0.000	86	257196	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.395	10.396	-0.001	92	278639	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.434	4.427	0.006	58	171009	24.5	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.732	4.732	0.000	90	114156	25.3	
$ 5 Toluene-d8 (Surr)	98	6.496	6.496	0.000	92	687199	26.4	
$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.221	0.000	94	219020	25.2	
57 Benzene	78	4.726	4.726	0.000	62	95123	2.75	
74 Toluene	92	6.557	6.557	0.000	76	18655	0.8962	
88 Ethylbenzene	91	8.090	8.090	0.000	75	21943	0.5609	
90 m-Xylene & p-Xylene	106	8.211	8.211	-0.001	90	15352	0.9676	
91 o-Xylene	106	8.637	8.631	0.006	78	6672	0.4253	
S 123 Total BTEX	1				0		5.60	
S 124 Xylenes, Total	1				0		1.39	

QC Flag Legend

Processing Flags

Reagents:

S_8260_IS_00351	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00403	Amount Added:	1.00	Units: uL	Run Reagent

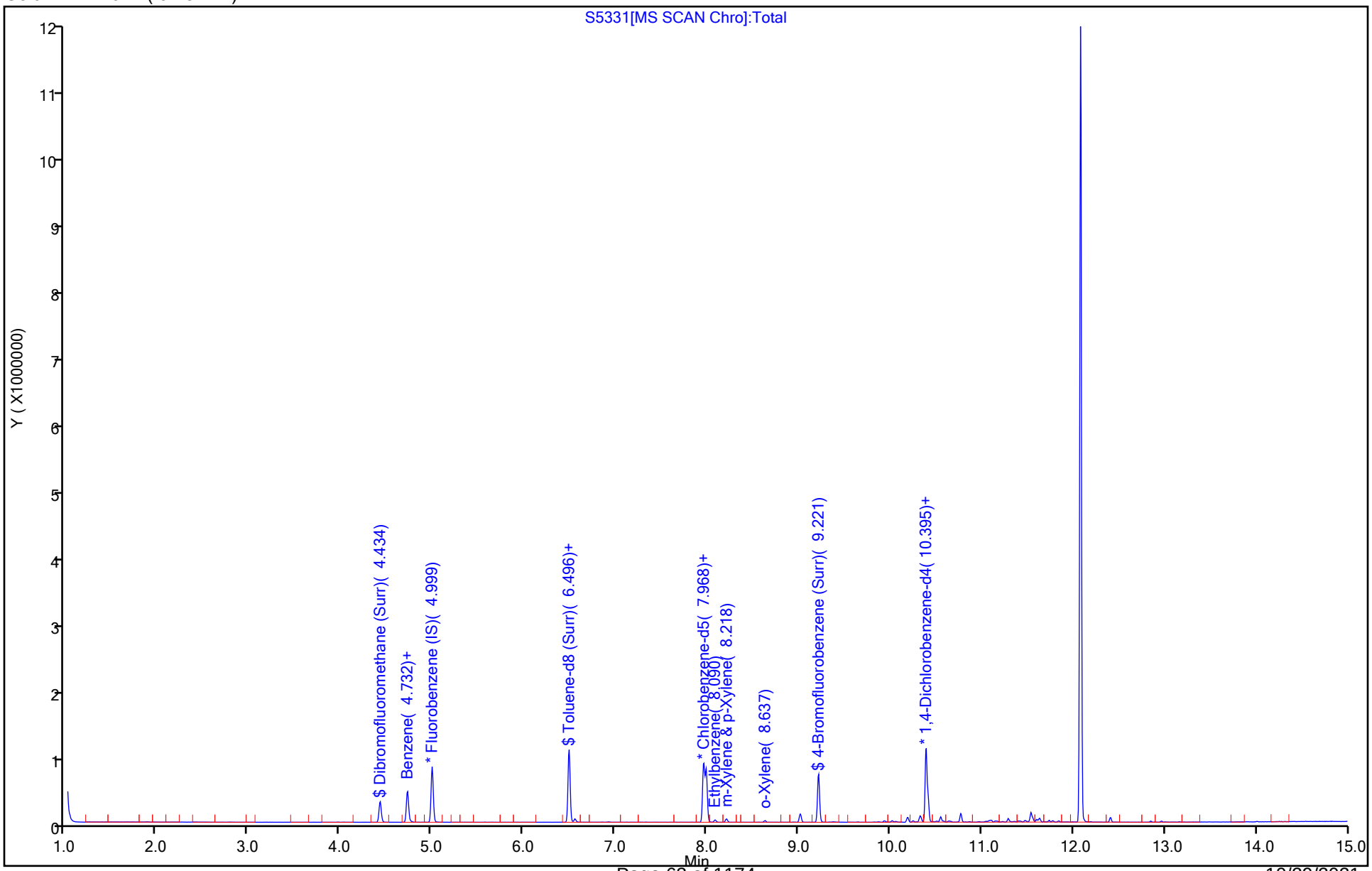
Report Date: 26-Oct-2021 14:16:49 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S5331.D

Injection Date:	25-Oct-2021 17:21:30	Instrument ID:	HP5973S	Operator ID:	AG/WD
Lims ID:	480-191204-D-9	Lab Sample ID:	480-191204-9	Worklist Smp#:	42
Client ID:	BOR-OW-35R-WG				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



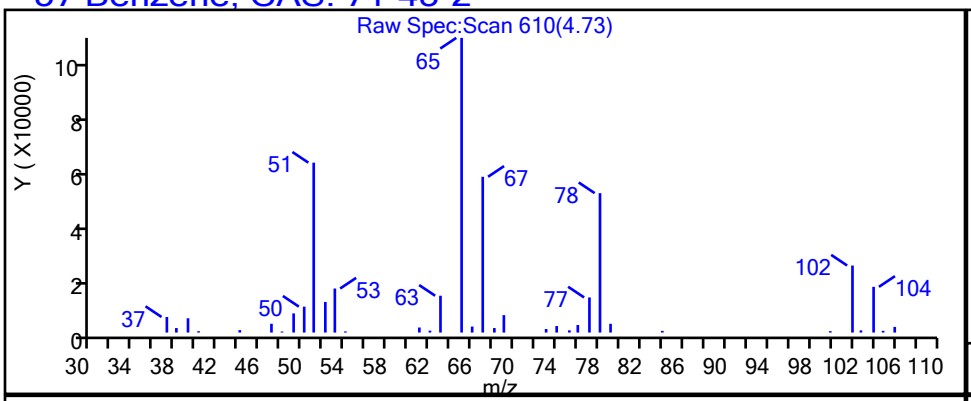
Report Date: 26-Oct-2021 14:16:49 Chrom Revision: 2.3 22-Sep-2021 15:38:46

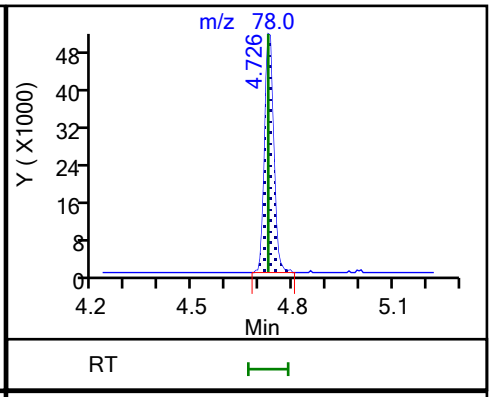
Eurofins TestAmerica, Buffalo

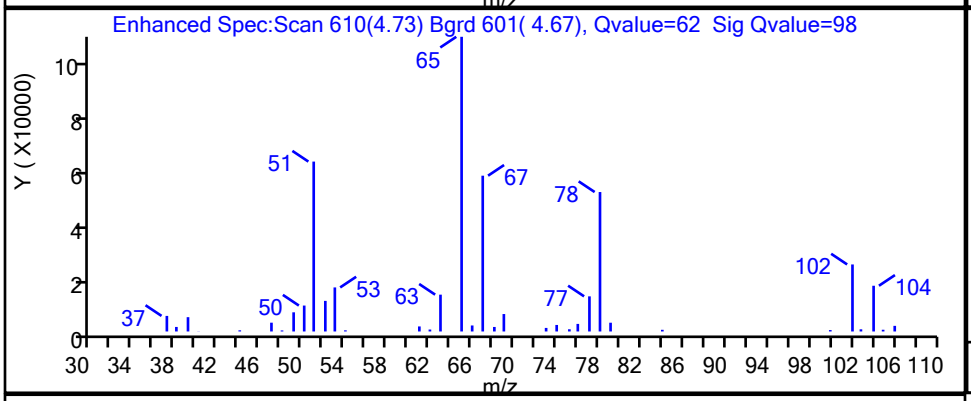
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S5331.D

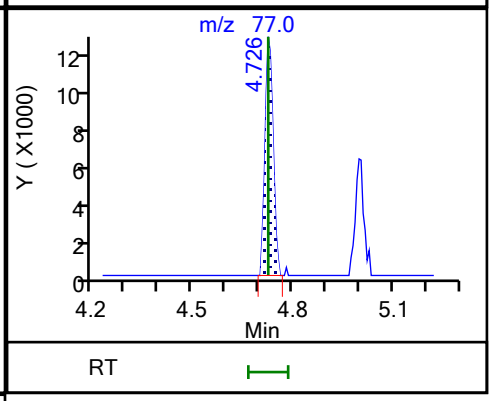
Injection Date:	25-Oct-2021 17:21:30	Instrument ID:	HP5973S		
Lims ID:	480-191204-D-9	Lab Sample ID:	480-191204-9		
Client ID:	BOR-OW-35R-WG				
Operator ID:	AG/WD	ALS Bottle#:	17	Worklist Smp#:	42
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

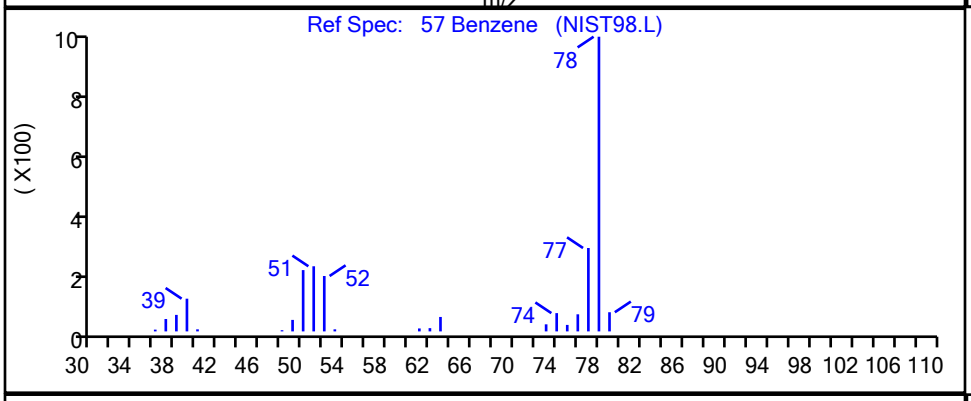
57 Benzene, CAS: 71-43-2

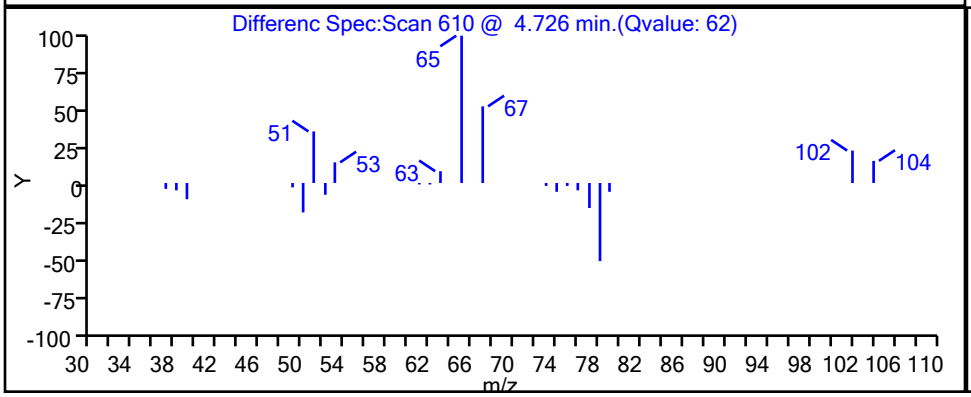


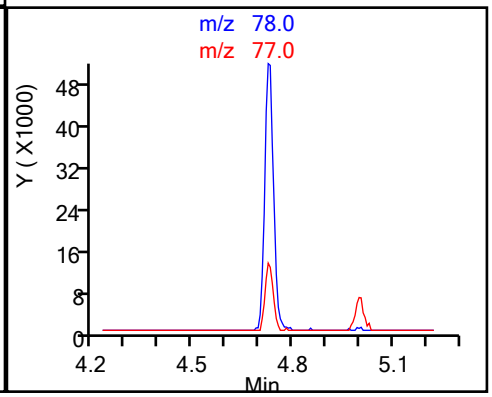












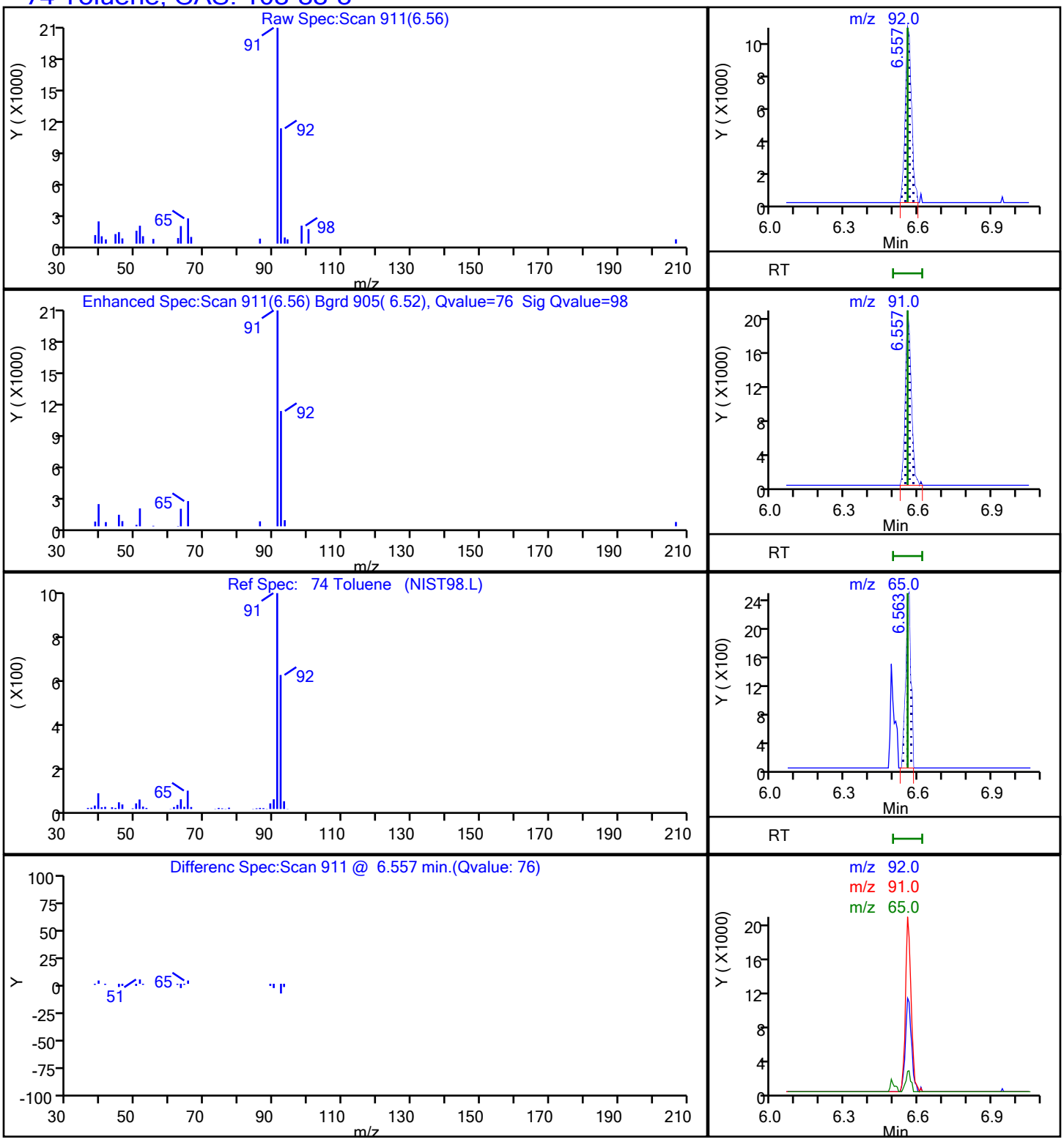
Report Date: 26-Oct-2021 14:16:49 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S5331.D

Injection Date:	25-Oct-2021 17:21:30	Instrument ID:	HP5973S		
Lims ID:	480-191204-D-9	Lab Sample ID:	480-191204-9		
Client ID:	BOR-OW-35R-WG				
Operator ID:	AG/WD	ALS Bottle#:	17	Worklist Smp#:	42
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

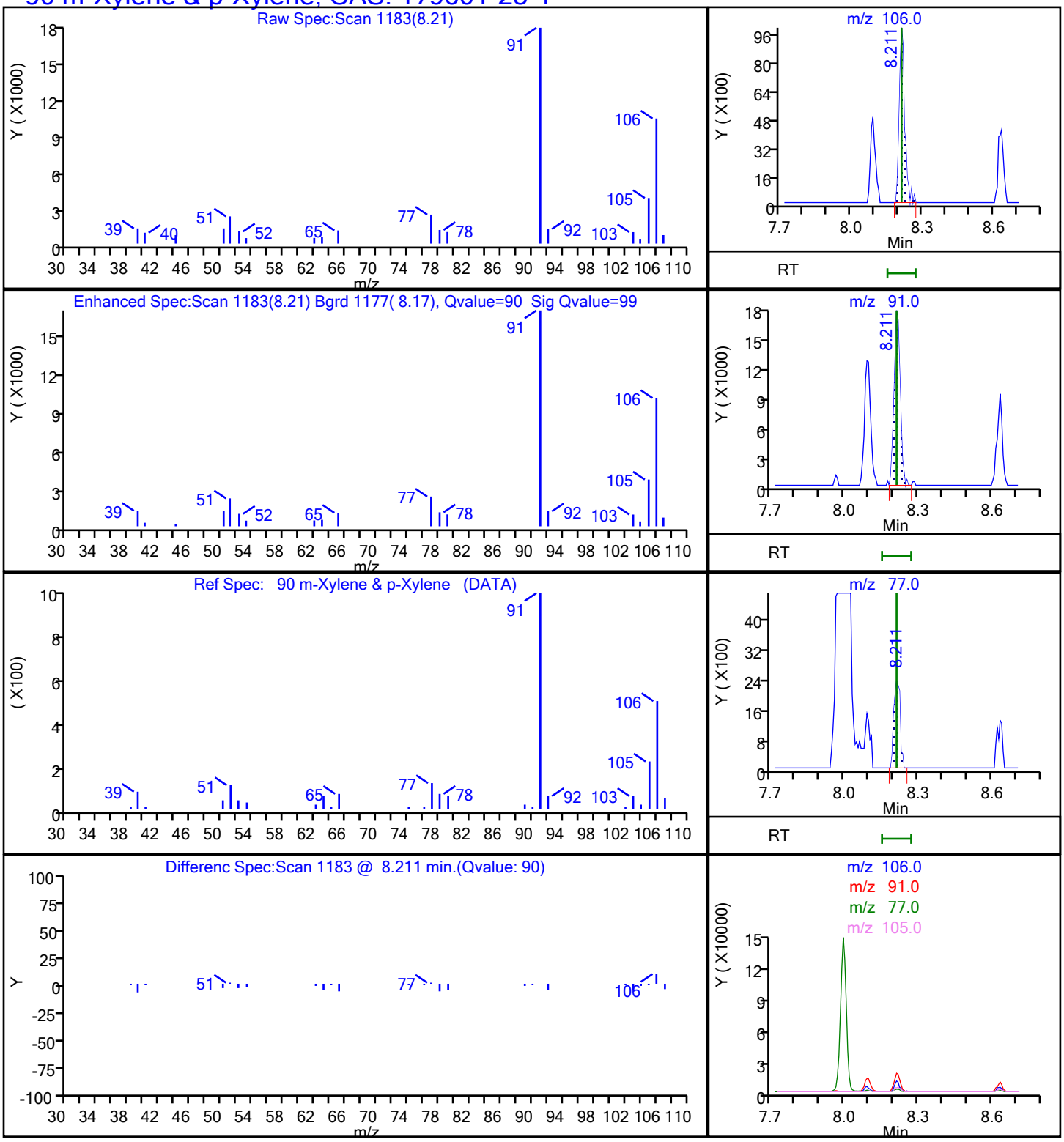
74 Toluene, CAS: 108-88-3



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S5331.D				
Injection Date:	25-Oct-2021 17:21:30	Instrument ID:	HP5973S		
Lims ID:	480-191204-D-9	Lab Sample ID:	480-191204-9		
Client ID:	BOR-OW-35R-WG				
Operator ID:	AG/WD	ALS Bottle#:	17	Worklist Smp#:	42
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

90 m-Xylene & p-Xylene, CAS: 179601-23-1



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Client Sample ID: BOR-DUP-2-WG Lab Sample ID: 480-191204-10

Matrix: Water Lab File ID: S5332.D

Analysis Method: 8260C Date Collected: 10/20/2021 08:00

Sample wt/vol: 5(mL) Date Analyzed: 10/25/2021 17:44

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 601826 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	16		10	4.1
108-88-3	Toluene	600		10	5.1
100-41-4	Ethylbenzene	ND		10	7.4
179601-23-1	m-Xylene & p-Xylene	ND		20	6.6
95-47-6	o-Xylene	ND		10	7.6
1330-20-7	Xylenes, Total	ND		20	6.6
STL00431	Total BTEX	620		20	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	102		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		77-120
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
1868-53-7	Dibromofluoromethane (Surr)	94		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S5332.D
Lims ID: 480-191204-D-10
Client ID: BOR-DUP-2-WG
Sample Type: Client
Inject. Date: 25-Oct-2021 17:44:30 ALS Bottle#: 18 Worklist Smp#: 43
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Sample Info: 480-191204-D-10
Misc. Info.: 480-0101887-043
Operator ID: AG/WD Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Oct-2021 14:15:20 Calib Date: 15-Sep-2021 00:35:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3517.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1680

First Level Reviewer: gruninga Date: 26-Oct-2021 14:17:04

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.999	0.000	99	134851	25.0	
* 2 Chlorobenzene-d5	82	7.962	7.962	0.000	84	268862	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.395	10.396	-0.001	93	289523	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.427	4.427	-0.001	57	170914	23.5	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.732	4.732	0.000	92	112415	23.9	
$ 5 Toluene-d8 (Surr)	98	6.496	6.496	0.000	92	695039	25.5	
$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.221	0.000	95	222271	24.5	
57 Benzene	78	4.725	4.726	-0.001	53	56052	1.56	
74 Toluene	92	6.557	6.557	0.000	96	1311363	60.3	
88 Ethylbenzene	91	8.090	8.090	0.000	70	19635	0.4801	
90 m-Xylene & p-Xylene	106		8.212				ND	
91 o-Xylene	106		8.631				ND	
S 123 Total BTEX	1				0		62.3	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

S_8260_IS_00351	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00403	Amount Added:	1.00	Units: uL	Run Reagent

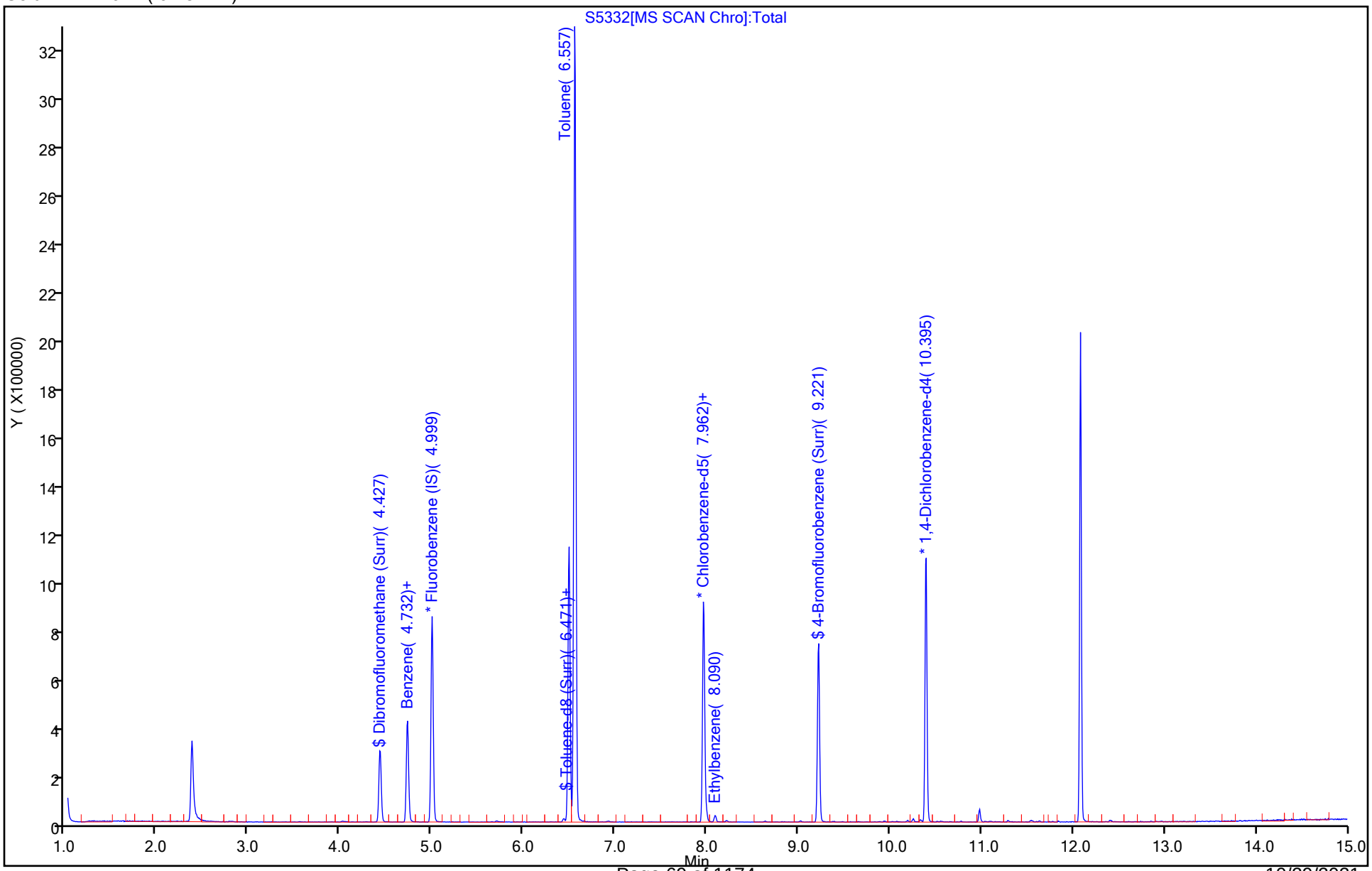
Report Date: 26-Oct-2021 14:17:04 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S5332.D

Injection Date:	25-Oct-2021 17:44:30	Instrument ID:	HP5973S	Operator ID:	AG/WD
Lims ID:	480-191204-D-10	Lab Sample ID:	480-191204-10	Worklist Smp#:	43
Client ID:	BOR-DUP-2-WG				
Purge Vol:	5.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	18
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



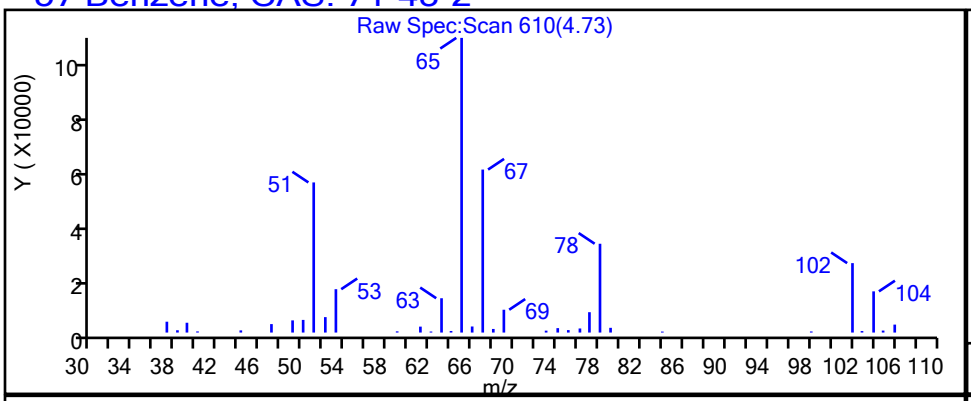
Report Date: 26-Oct-2021 14:17:04 Chrom Revision: 2.3 22-Sep-2021 15:38:46

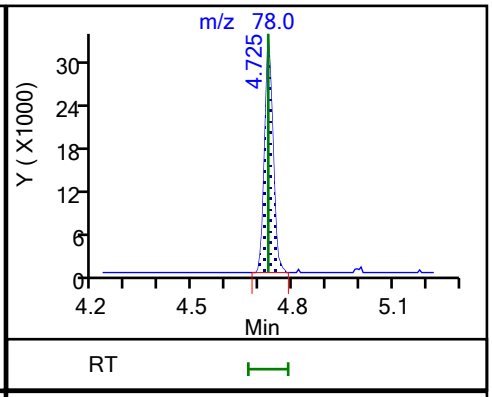
Eurofins TestAmerica, Buffalo

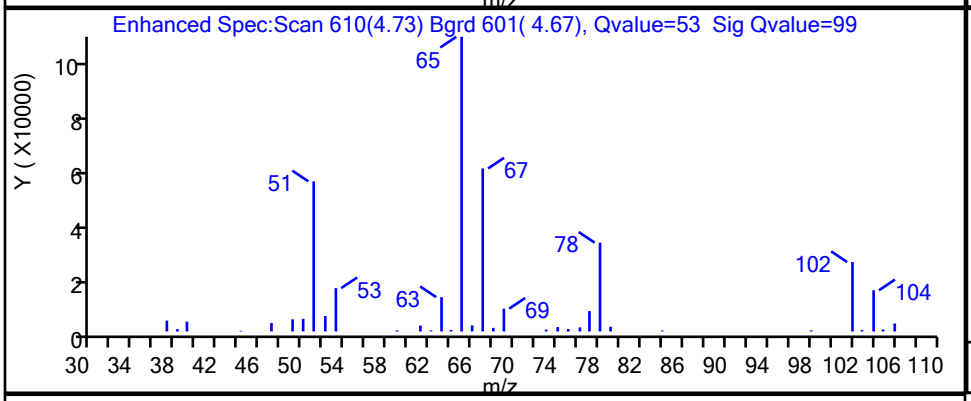
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S5332.D

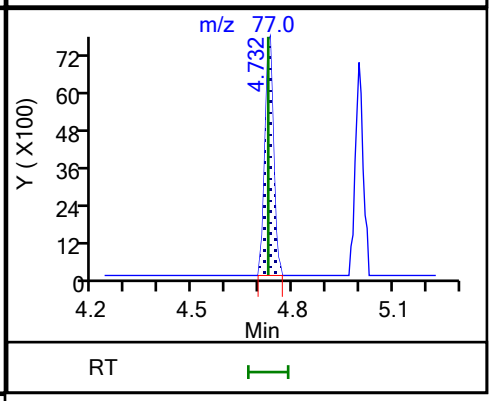
Injection Date:	25-Oct-2021 17:44:30	Instrument ID:	HP5973S		
Lims ID:	480-191204-D-10	Lab Sample ID:	480-191204-10		
Client ID:	BOR-DUP-2-WG				
Operator ID:	AG/WD	ALS Bottle#:	18	Worklist Smp#:	43
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

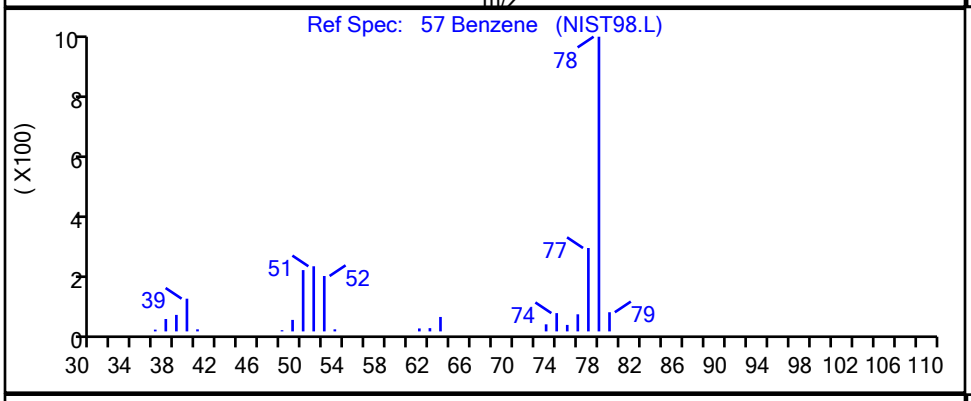
57 Benzene, CAS: 71-43-2

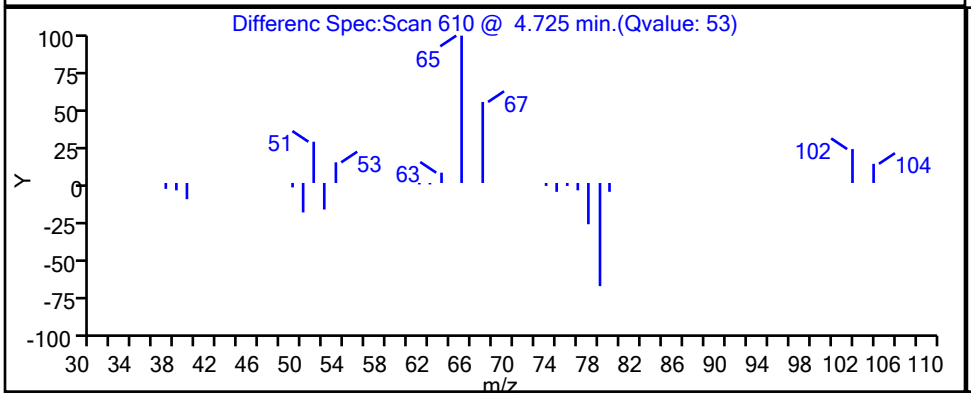


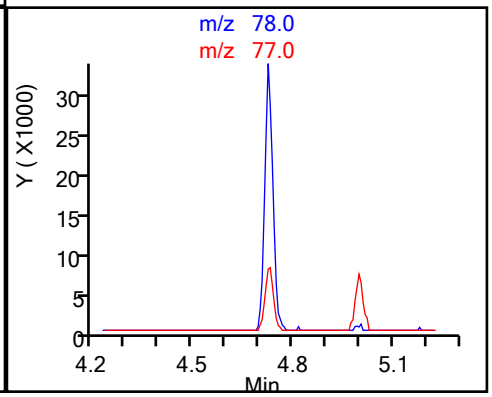












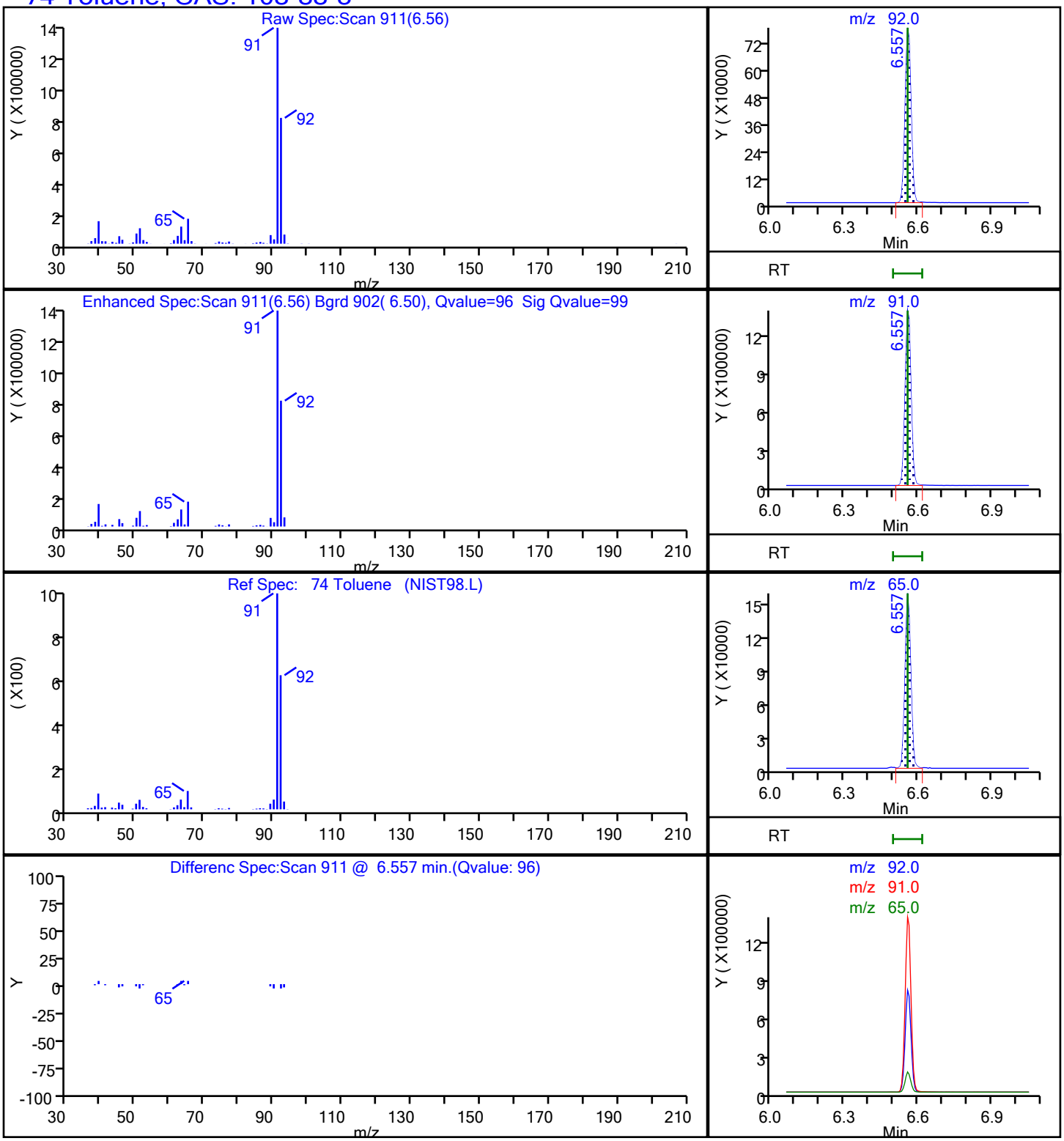
Report Date: 26-Oct-2021 14:17:04 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S5332.D

Injection Date:	25-Oct-2021 17:44:30	Instrument ID:	HP5973S		
Lims ID:	480-191204-D-10	Lab Sample ID:	480-191204-10		
Client ID:	BOR-DUP-2-WG				
Operator ID:	AG/WD	ALS Bottle#:	18	Worklist Smp#:	43
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

74 Toluene, CAS: 108-88-3



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Client Sample ID: TRIPBLANK1 Lab Sample ID: 480-191204-11

Matrix: Water Lab File ID: S5333.D

Analysis Method: 8260C Date Collected: 10/20/2021 00:00

Sample wt/vol: 5(mL) Date Analyzed: 10/25/2021 18:07

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 601826 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.41
108-88-3	Toluene	ND		1.0	0.51
100-41-4	Ethylbenzene	ND		1.0	0.74
179601-23-1	m-Xylene & p-Xylene	ND		2.0	0.66
95-47-6	o-Xylene	ND		1.0	0.76
1330-20-7	Xylenes, Total	ND		2.0	0.66
STL00431	Total BTEX	ND		2.0	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	104		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
1868-53-7	Dibromofluoromethane (Surr)	96		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S5333.D				
Lims ID:	480-191204-A-11				
Client ID:	TRIPBLANK				
Sample Type:	Client				
Inject. Date:	25-Oct-2021 18:07:30	ALS Bottle#:	19	Worklist Smp#:	44
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	480-191204-A-11				
Misc. Info.:	480-0101887-044				
Operator ID:	AG/WD	Instrument ID:	HP5973S		
Method:	\\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	26-Oct-2021 14:15:20	Calib Date:	15-Sep-2021 00:35:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3517.D				
Column 1 :	ZB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1680				
First Level Reviewer: gruninga		Date:	26-Oct-2021 14:17:11		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.999	0.000	99	131876	25.0	
* 2 Chlorobenzene-d5	82	7.962	7.962	0.000	83	257645	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.395	10.396	-0.001	93	280435	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.427	4.427	-0.001	57	170286	24.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.732	4.732	0.000	98	109762	23.9	
$ 5 Toluene-d8 (Surr)	98	6.496	6.496	0.000	92	680455	26.1	
$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.221	0.000	95	217213	25.0	
57 Benzene	78		4.726				ND	
74 Toluene	92		6.557				ND	
88 Ethylbenzene	91		8.090				ND	
90 m-Xylene & p-Xylene	106		8.212				ND	
91 o-Xylene	106		8.631				ND	
S 123 Total BTEX	1		30.000				ND	7
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

S_8260_IS_00351	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00403	Amount Added:	1.00	Units: uL	Run Reagent

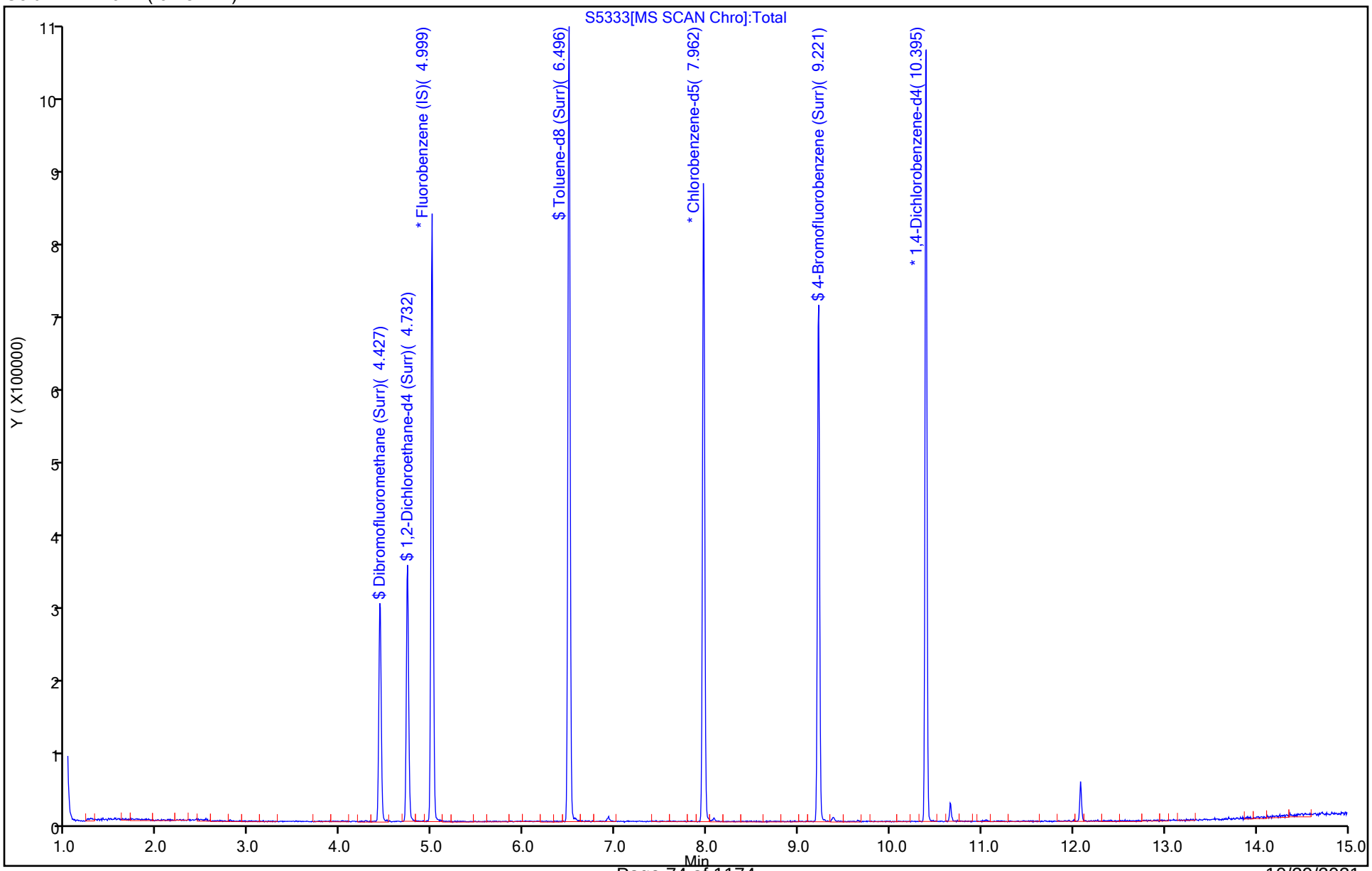
Report Date: 26-Oct-2021 14:17:11 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S5333.D

Injection Date:	25-Oct-2021 18:07:30	Instrument ID:	HP5973S	Operator ID:	AG/WD
Lims ID:	480-191204-A-11	Lab Sample ID:	480-191204-11	Worklist Smp#:	44
Client ID:	TRIPBLANK				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Client Sample ID: TRIPBLANK2 Lab Sample ID: 480-191204-12

Matrix: Water Lab File ID: S5334.D

Analysis Method: 8260C Date Collected: 10/20/2021 00:00

Sample wt/vol: 5(mL) Date Analyzed: 10/25/2021 18:30

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 601826 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.41
108-88-3	Toluene	ND		1.0	0.51
100-41-4	Ethylbenzene	ND		1.0	0.74
179601-23-1	m-Xylene & p-Xylene	ND		2.0	0.66
95-47-6	o-Xylene	ND		1.0	0.76
1330-20-7	Xylenes, Total	ND		2.0	0.66
STL00431	Total BTEX	ND		2.0	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		77-120
460-00-4	4-Bromofluorobenzene (Surr)	91		73-120
1868-53-7	Dibromofluoromethane (Surr)	97		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S5334.D				
Lims ID:	480-191204-A-12				
Client ID:	TRIPBLANK				
Sample Type:	Client				
Inject. Date:	25-Oct-2021 18:30:30	ALS Bottle#:	20	Worklist Smp#:	45
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	480-191204-A-12				
Misc. Info.:	480-0101887-045				
Operator ID:	AG/WD	Instrument ID:	HP5973S		
Method:	\\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	26-Oct-2021 14:15:20	Calib Date:	15-Sep-2021 00:35:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3517.D				
Column 1 :	ZB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1680				
First Level Reviewer: gruninga		Date:	26-Oct-2021 14:17:17		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.999	0.000	99	129532	25.0	
* 2 Chlorobenzene-d5	82	7.962	7.962	0.000	84	266829	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.395	10.396	-0.001	93	277648	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.427	4.427	-0.001	56	169335	24.3	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.731	4.732	-0.001	91	108633	24.0	
$ 5 Toluene-d8 (Surr)	98	6.496	6.496	0.000	92	676625	25.1	
$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.221	0.000	95	205607	22.8	
57 Benzene	78		4.726				ND	
74 Toluene	92		6.557				ND	
88 Ethylbenzene	91		8.090				ND	
90 m-Xylene & p-Xylene	106		8.212				ND	
91 o-Xylene	106		8.631				ND	
S 123 Total BTEX	1		30.000				ND	7
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

S_8260_IS_00351	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00403	Amount Added:	1.00	Units: uL	Run Reagent

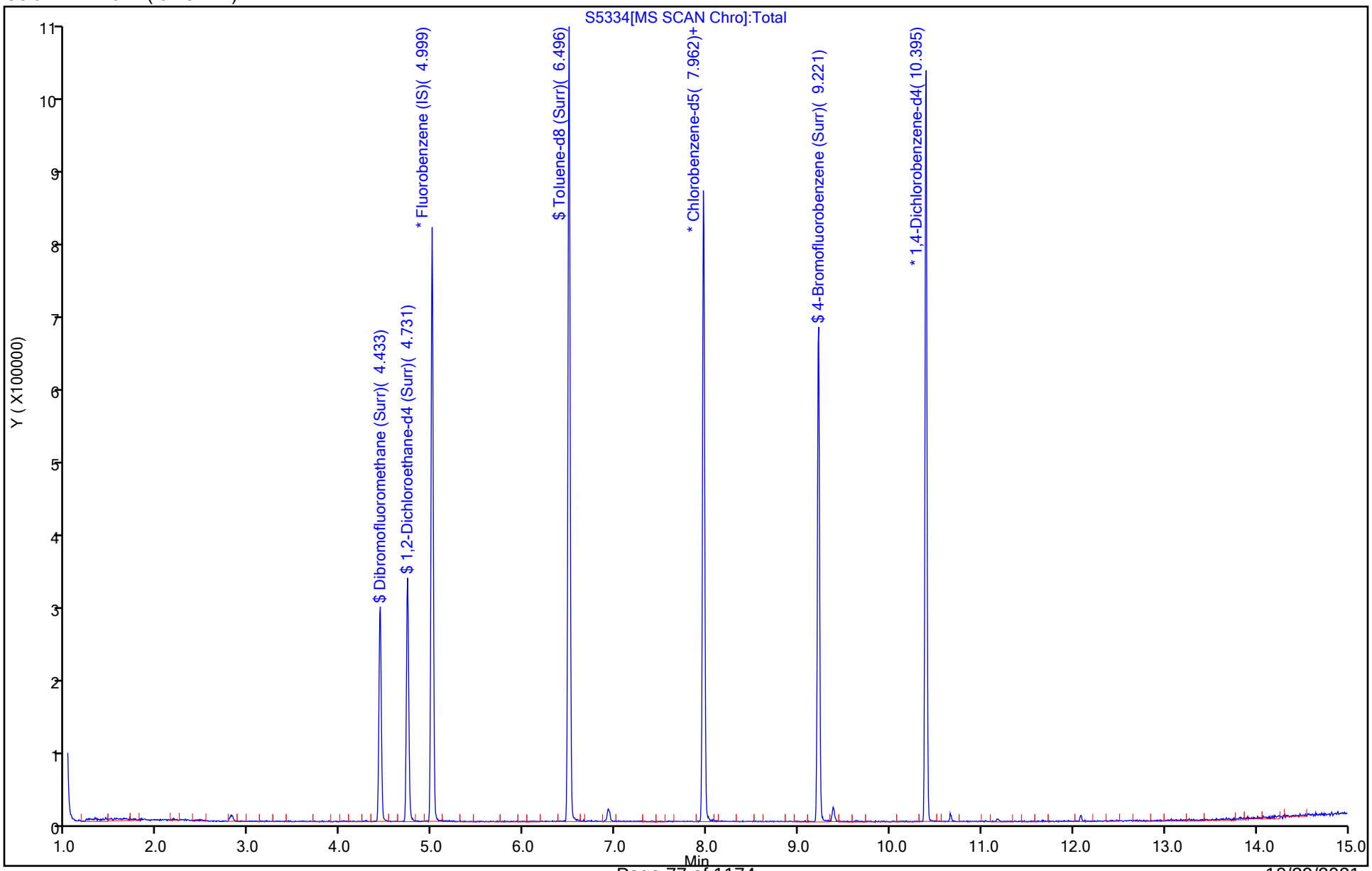
Report Date: 26-Oct-2021 14:17:17 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S5334.D

Injection Date:	25-Oct-2021 18:30:30	Instrument ID:	HP5973S	Operator ID:	AG/WD
Lims ID:	480-191204-A-12	Lab Sample ID:	480-191204-12	Worklist Smp#:	45
Client ID:	TRIPBLANK				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Client Sample ID: BOR-MW-15-WG Lab Sample ID: 480-191204-13

Matrix: Water Lab File ID: S5335.D

Analysis Method: 8260C Date Collected: 10/20/2021 13:30

Sample wt/vol: 5(mL) Date Analyzed: 10/25/2021 18:54

Soil Aliquot Vol: Dilution Factor: 50

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 601826 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	41	J	50	21
108-88-3	Toluene	4200		50	26
100-41-4	Ethylbenzene	ND		50	37
179601-23-1	m-Xylene & p-Xylene	ND		100	33
95-47-6	o-Xylene	ND		50	38
1330-20-7	Xylenes, Total	ND		100	33
STL00431	Total BTEX	4200		100	50

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	101		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		77-120
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
1868-53-7	Dibromofluoromethane (Surr)	99		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S5335.D				
Lims ID:	480-191204-D-13				
Client ID:	BOR-MW-15-WG				
Sample Type:	Client				
Inject. Date:	25-Oct-2021 18:54:30	ALS Bottle#:	21	Worklist Smp#:	46
Purge Vol:	5.000 mL	Dil. Factor:	50.0000		
Sample Info:	480-191204-D-13				
Misc. Info.:	480-0101887-046				
Operator ID:	AG/WD	Instrument ID:	HP5973S		
Method:	\\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	26-Oct-2021 14:15:20	Calib Date:	15-Sep-2021 00:35:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3517.D				
Column 1 :	ZB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1680				
First Level Reviewer: gruninga		Date:	26-Oct-2021 14:17:35		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.999	0.000	99	128380	25.0	
* 2 Chlorobenzene-d5	82	7.962	7.962	0.000	86	266341	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.395	10.396	-0.001	94	284721	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.427	4.427	-0.001	58	171193	24.8	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.732	4.732	0.000	92	108182	24.2	
$ 5 Toluene-d8 (Surr)	98	6.496	6.496	0.000	92	683223	25.3	
$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.221	0.000	93	220563	24.5	
57 Benzene	78	4.726	4.726	0.000	39	27922	0.8138	
74 Toluene	92	6.557	6.557	0.000	98	1795008	83.3	
88 Ethylbenzene	91	8.090	8.090	0.000	10	7134	0.1761	
90 m-Xylene & p-Xylene	106		8.212				ND	
91 o-Xylene	106		8.631				ND	
S 123 Total BTEX	1				0		84.3	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

S_8260_IS_00351	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00403	Amount Added:	1.00	Units: uL	Run Reagent

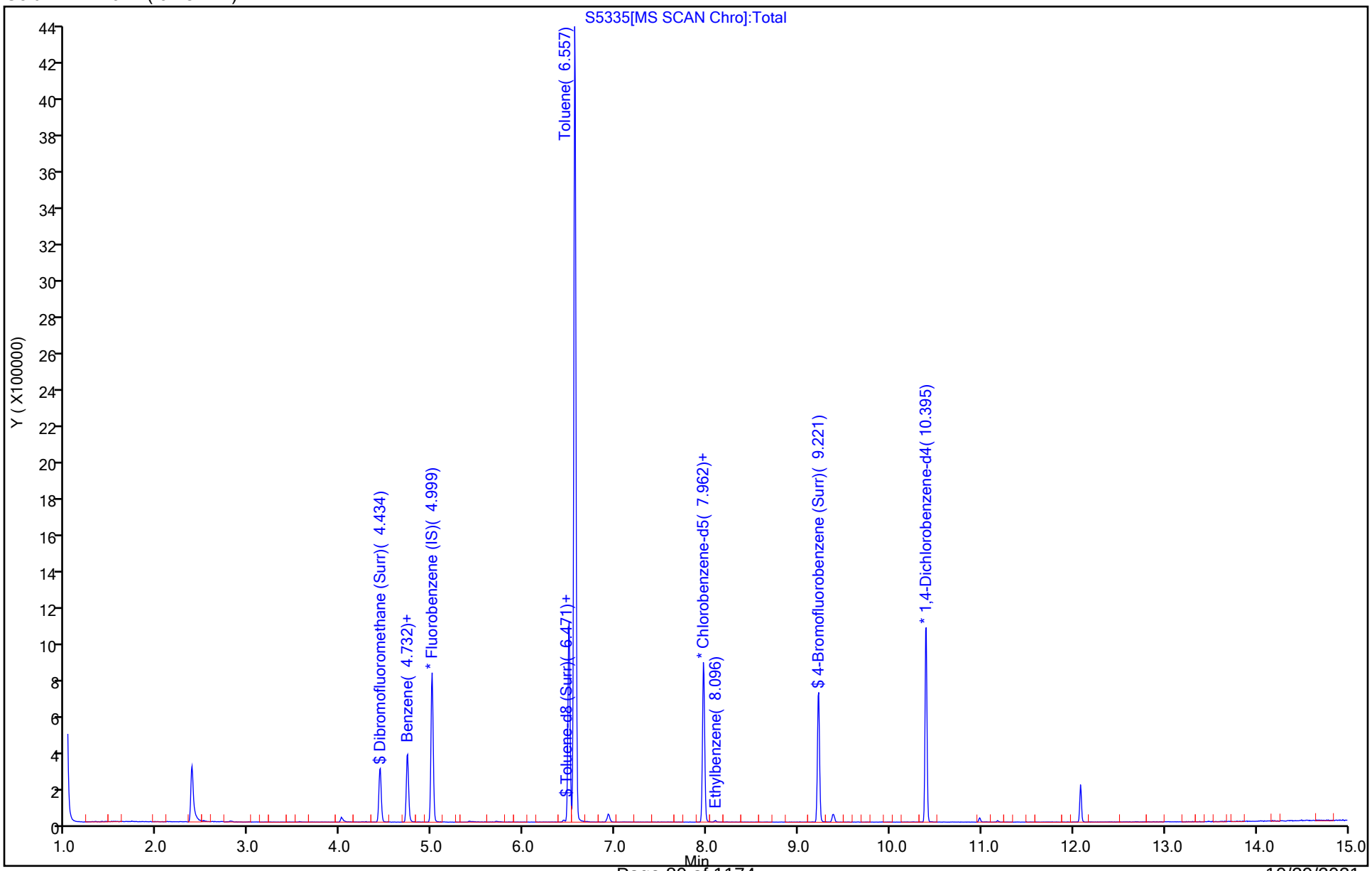
Report Date: 26-Oct-2021 14:17:36 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S5335.D

Injection Date:	25-Oct-2021 18:54:30	Instrument ID:	HP5973S	Operator ID:	AG/WD
Lims ID:	480-191204-D-13	Lab Sample ID:	480-191204-13	Worklist Smp#:	46
Client ID:	BOR-MW-15-WG				
Purge Vol:	5.000 mL	Dil. Factor:	50.0000	ALS Bottle#:	21
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

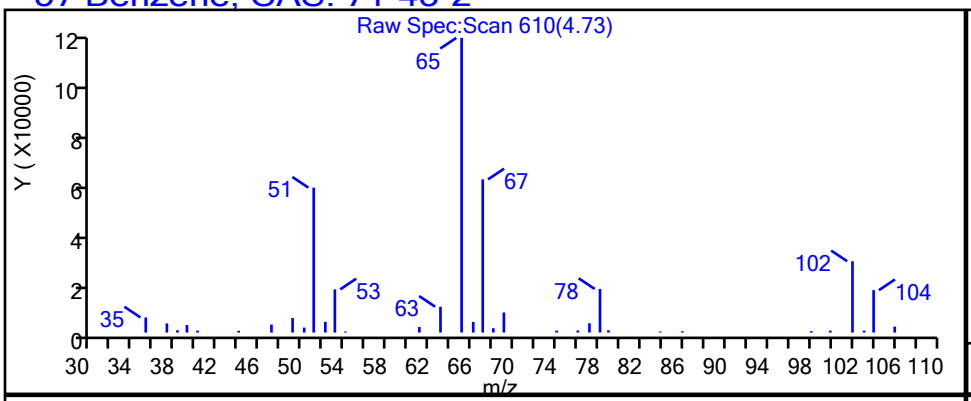
Column: ZB-624 (0.18 mm)

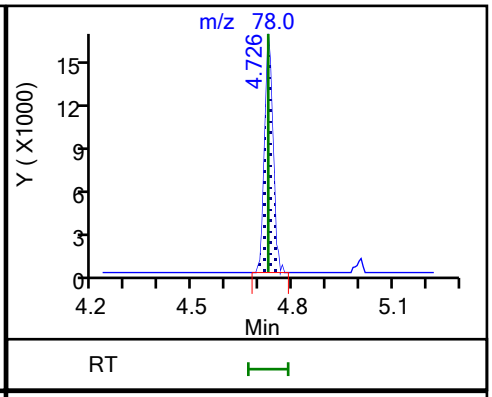


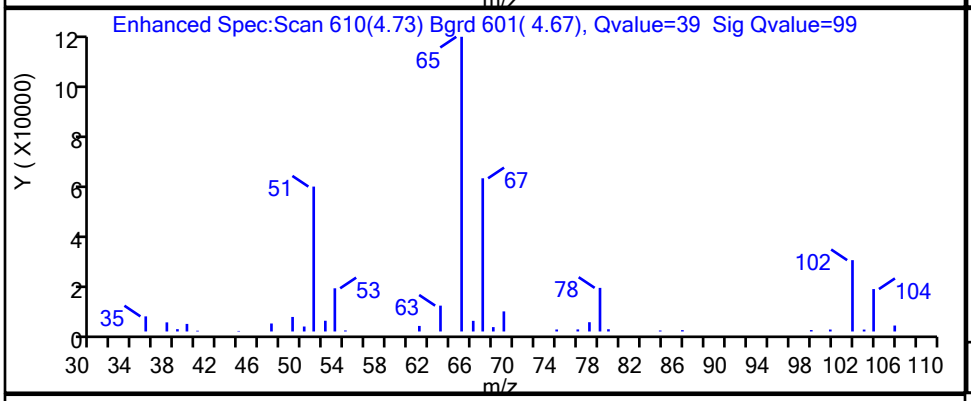
Eurofins TestAmerica, Buffalo

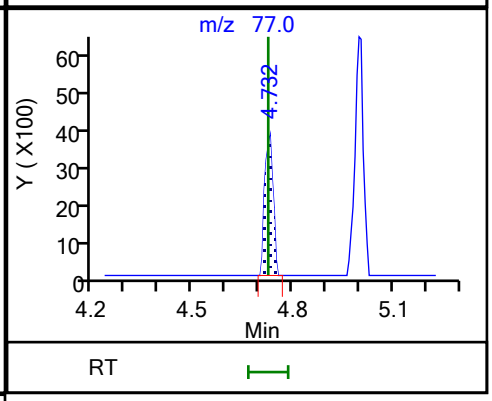
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S5335.D				
Injection Date:	25-Oct-2021 18:54:30	Instrument ID:	HP5973S		
Lims ID:	480-191204-D-13	Lab Sample ID:	480-191204-13		
Client ID:	BOR-MW-15-WG				
Operator ID:	AG/WD	ALS Bottle#:	21	Worklist Smp#:	46
Purge Vol:	5.000 mL	Dil. Factor:	50.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

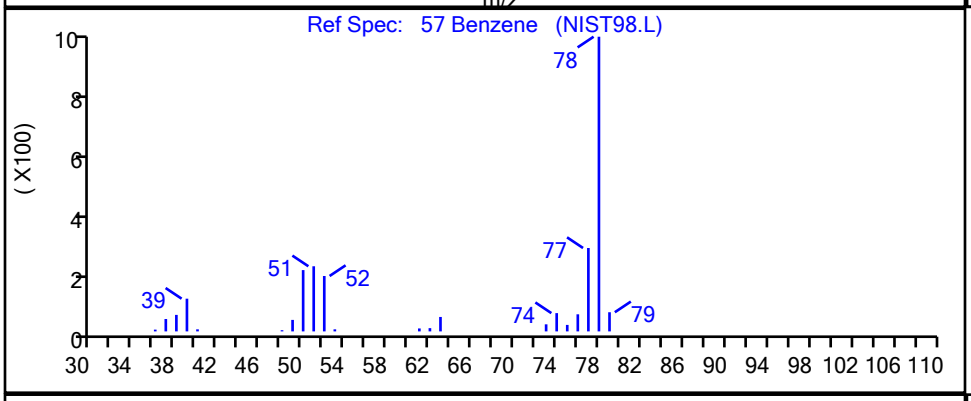
57 Benzene, CAS: 71-43-2

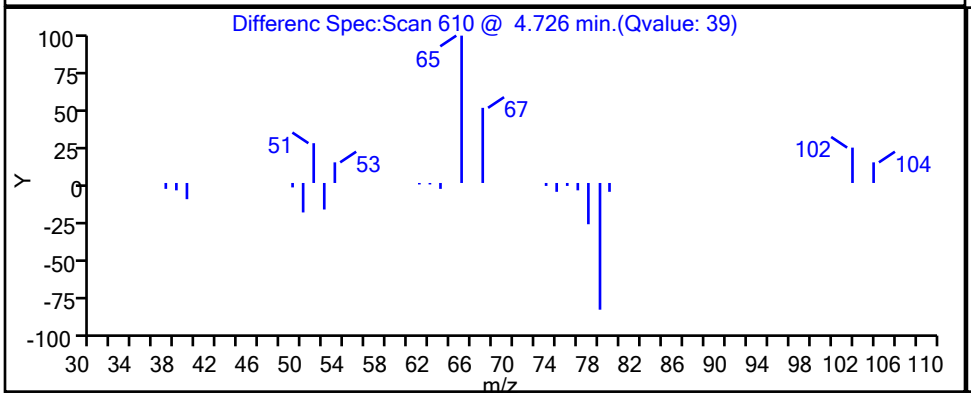


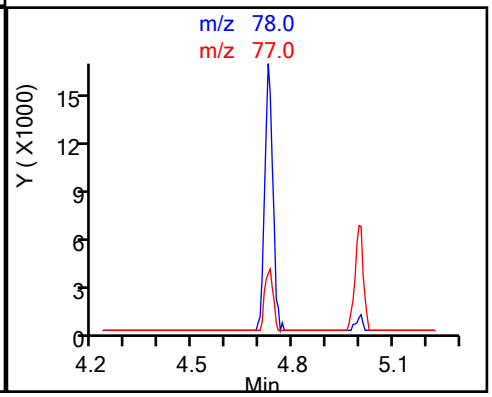








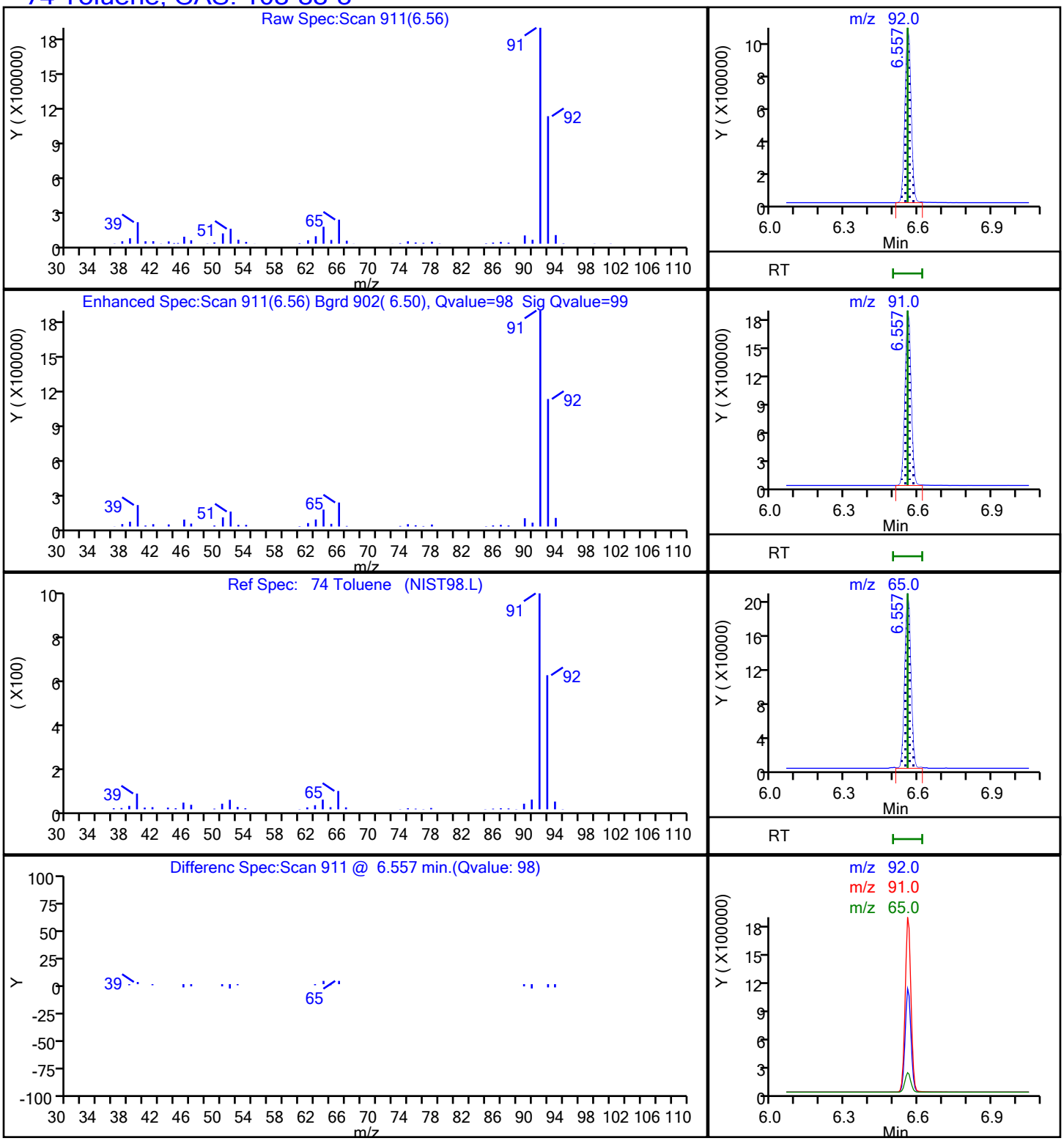




Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S5335.D				
Injection Date:	25-Oct-2021 18:54:30	Instrument ID:	HP5973S		
Lims ID:	480-191204-D-13	Lab Sample ID:	480-191204-13		
Client ID:	BOR-MW-15-WG				
Operator ID:	AG/WD	ALS Bottle#:	21	Worklist Smp#:	46
Purge Vol:	5.000 mL	Dil. Factor:	50.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

74 Toluene, CAS: 108-88-3



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Client Sample ID: BOR-MW-35R-WG Lab Sample ID: 480-191204-14

Matrix: Water Lab File ID: S5336.D

Analysis Method: 8260C Date Collected: 10/19/2021 15:20

Sample wt/vol: 5(mL) Date Analyzed: 10/25/2021 19:17

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 601826 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.41
108-88-3	Toluene	ND		1.0	0.51
100-41-4	Ethylbenzene	ND		1.0	0.74
179601-23-1	m-Xylene & p-Xylene	ND		2.0	0.66
95-47-6	o-Xylene	ND		1.0	0.76
1330-20-7	Xylenes, Total	ND		2.0	0.66
STL00431	Total BTEX	ND		2.0	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	104		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
1868-53-7	Dibromofluoromethane (Surr)	98		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S5336.D				
Lims ID:	480-191204-D-14				
Client ID:	BOR-MW-35R-WG				
Sample Type:	Client				
Inject. Date:	25-Oct-2021 19:17:30	ALS Bottle#:	22	Worklist Smp#:	47
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	480-191204-D-14				
Misc. Info.:	480-0101887-047				
Operator ID:	AG/WD	Instrument ID:	HP5973S		
Method:	\\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	26-Oct-2021 14:15:20	Calib Date:	15-Sep-2021 00:35:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3517.D				
Column 1 :	ZB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1680				
First Level Reviewer: gruninga		Date:	26-Oct-2021 14:17:44		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.999	0.000	99	127408	25.0	
* 2 Chlorobenzene-d5	82	7.962	7.962	0.000	85	257047	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.395	10.396	-0.001	92	286093	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.433	4.427	0.005	58	168439	24.5	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.732	4.732	0.000	92	107699	24.2	
$ 5 Toluene-d8 (Surr)	98	6.496	6.496	0.000	92	676356	26.0	
$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.221	0.000	93	213824	24.6	
57 Benzene	78		4.726				ND	
74 Toluene	92		6.557				ND	
88 Ethylbenzene	91		8.090				ND	
90 m-Xylene & p-Xylene	106		8.212				ND	
91 o-Xylene	106		8.631				ND	
S 123 Total BTEX	1		30.000				ND	7
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

S_8260_IS_00351	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00403	Amount Added:	1.00	Units: uL	Run Reagent

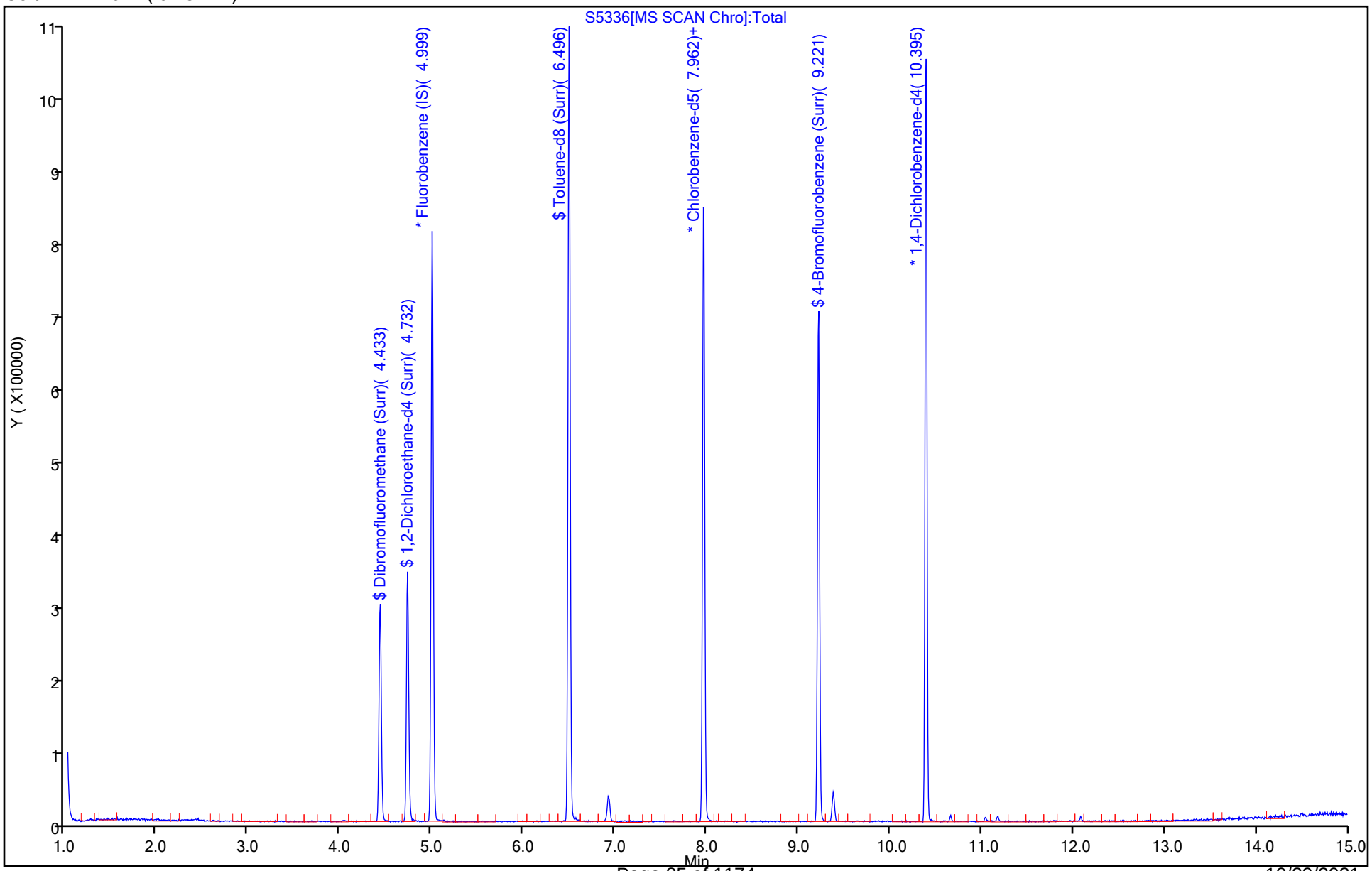
Report Date: 26-Oct-2021 14:17:45 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S5336.D

Injection Date:	25-Oct-2021 19:17:30	Instrument ID:	HP5973S	Operator ID:	AG/WD
Lims ID:	480-191204-D-14	Lab Sample ID:	480-191204-14	Worklist Smp#:	47
Client ID:	BOR-MW-35R-WG				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 596289

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2021 17:37 Calibration End Date: 09/14/2021 20:20 Calibration ID: 42382

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-596289/4	S3499.D
Level 2	IC 480-596289/5	S3500.D
Level 3	IC 480-596289/6	S3501.D
Level 4	IC 480-596289/7	S3502.D
Level 5	IC 480-596289/8	S3503.D
Level 6	ICIS 480-596289/9	S3504.D
Level 7	IC 480-596289/10	S3505.D
Level 8	IC 480-596289/11	S3506.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	1.4688 1.7675	2.1584 1.7163	1.8883 1.6456	1.9137	1.6745	Ave		1.7792			0.1000	11.7		20.0			
Chloromethane	2.3962 2.2733	2.7371 2.1597	2.4490 2.1282	2.3796	2.2825	Ave		2.3507			0.1000	8.2		20.0			
Vinyl chloride	+++++ 2.0963	2.4542 2.0879	2.1735 2.0392	2.1270	1.9609	Ave		2.1341			0.1000	7.3		20.0			
Butadiene	2.4319 2.4805	3.1438 2.3361	2.7159 2.2648	2.5629	2.2446	Ave		2.5226				11.7		20.0			
Bromomethane	1.5941 1.3460	1.8172 1.2568	1.5846 1.2286	1.3891	1.2503	Ave		1.4333			0.1000	14.7		20.0			
Chloroethane	1.6444 1.3663	1.9205 1.2960	1.5808 1.2712	1.4413	1.3575	Ave		1.4848			0.1000	14.8		20.0			
Dichlorofluoromethane	2.7589 2.9349	3.9913 2.8738	3.4549 2.8222	2.9370	2.8409	Ave		3.0767				13.9		20.0			
Trichlorofluoromethane	+++++ 2.6423	2.9983 2.5379	2.7176 2.4558	2.6153	2.3700	Ave		2.6196			0.1000	7.8		20.0			
Ethyl ether	1.9928 1.7039	2.0334 1.7047	1.8408 1.7185	1.7330	1.6447	Ave		1.7965				8.1		20.0			
Acrolein	0.1491 0.1281	0.1213 0.1265	0.1444 0.1213	0.1268	0.1220	Ave		0.1299				8.3		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	1.2017 1.6166	1.0649 1.4481	1.5231 1.3999	1.6953	1.4020	Ave		1.4189			0.1000	14.6		20.0			
1,1-Dichloroethene	1.8851 1.4726	1.3959 1.3919	1.6617 1.3662	1.6026	1.3903	Ave		1.5208			0.1000	12.0		20.0			
Acetone	0.7074 0.7986	0.8225 0.7843	0.7881 0.7534	0.7291	0.7720	Ave		0.7694			0.1000	4.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 596289

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2021 17:37 Calibration End Date: 09/14/2021 20:20 Calibration ID: 42382

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Iodomethane	2.9190 2.6347	2.5886 2.7094	2.9109 2.6391	2.8700	2.4829	Ave		2.7193				6.0		20.0			
Carbon disulfide	4.3554 5.1480	4.6310 4.9344	5.0470 4.8941	5.3731	4.7095	Ave		4.8866			0.1000	6.5		20.0			
Allyl chloride	2.8689 3.0249	3.0635 2.9423	3.0710 2.9889	3.1732	2.8546	Ave		2.9984				3.6		20.0			
Methyl acetate	2.3300 1.8520	2.7307 1.6577	2.1088 1.9001	1.7637	1.8660	Ave		2.0261			0.1000	17.4		20.0			
Methylene Chloride	3.9516 1.7963	2.8570 1.7090	2.4354 1.7565	2.0784	1.7684	Lin1	1.1695	1.7283			0.1000				0.9990		0.9900
2-Methyl-2-propanol	0.1826 0.2548	0.2629 0.2698	0.2078 0.2767	0.2312	0.2303	Ave		0.2395				13.6		20.0			
Methyl tert-butyl ether	5.7559 5.3226	5.5433 5.3631	5.8634 5.4862	5.5349	5.0055	Ave		5.4843			0.1000	4.8		20.0			
trans-1,2-Dichloroethene	1.7434 1.6719	1.8253 1.6433	1.8606 1.6445	1.7418	1.5802	Ave		1.7139			0.1000	5.6		20.0			
Acrylonitrile	1.0711 1.0214	1.1279 1.0307	1.1453 0.9779	1.0380	0.9806	Ave		1.0491				5.9		20.0			
Hexane	2.5362 2.8061	2.2919 2.6257	2.5307 2.5676	2.9592	2.4735	Ave		2.5989				7.9		20.0			
1,1-Dichloroethane	3.2304 3.1561	2.9830 3.0624	3.4253 3.1367	3.2254	2.9194	Ave		3.1423			0.2000	5.1		20.0			
Vinyl acetate	4.0147 4.2465	4.1266 4.5655	3.8881 4.8573	3.8366	3.6824	Ave		4.1522				9.5		20.0			
2,2-Dichloropropane	1.5734 1.6487	1.4474 1.4846	1.7291 1.4572	1.8880	1.5428	Ave		1.5964				9.6		20.0			
cis-1,2-Dichloroethene	1.7395 1.8359	1.9221 1.7836	2.1211 1.8187	1.9050	1.6940	Ave		1.8525			0.1000	7.2		20.0			
2-Butanone (MEK)	1.2469 1.1559	1.2348 1.2293	1.1216 1.1956	1.1281	1.0857	Ave		1.1747			0.1000	5.1		20.0			
Chlorobromomethane	1.0932 0.9670	0.9531 0.9551	1.1110 0.9854	1.0096	0.8743	Ave		0.9936				7.8		20.0			
Tetrahydrofuran	1.1145 0.7874	1.1169 0.8053	0.8563 0.7873	0.7775	0.7295	Ave		0.8718				17.7		20.0			
Chloroform	3.8150 2.9115	3.2944 2.8664	3.2420 2.9630	3.0568	2.7600	Ave		3.1136			0.2000	10.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 596289

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2021 17:37 Calibration End Date: 09/14/2021 20:20 Calibration ID: 42382

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1,1-Trichloroethane	2.3240 2.6183	2.0629 2.4859	2.6993 2.4571	2.6464	2.3859	Ave		2.4600			0.1000	8.4		20.0			
Cyclohexane	2.7239 3.5483	2.6009 3.2719	3.3541 3.1631	3.7588	3.2300	Ave		3.2064			0.1000	12.1		20.0			
Carbon tetrachloride	2.0455 2.3017	1.8269 2.2061	2.3366 2.1937	2.2901	2.0682	Ave		2.1586			0.1000	7.9		20.0			
1,1-Dichloropropene	1.9277 2.3294	1.9005 2.2051	2.3284 2.2166	2.2951	2.0720	Ave		2.1593				8.0		20.0			
Benzene	6.5988 6.8219	6.5978 6.8043	6.7485 6.9099	6.6786	6.2886	Ave		6.6811			0.5000	2.9		20.0			
Isobutyl alcohol	0.0769 0.0816	0.0946 0.0933	0.0757 0.0953	0.0689	0.0694	Ave		0.0820				13.5		20.0			
1,2-Dichloroethane	2.7652 2.4232	2.6197 2.4782	2.6679 2.5066	2.4564	2.3647	Ave		2.5352			0.1000	5.4		20.0			
n-Heptane	3.5176 3.1997	2.4178 2.9561	2.8786 2.9191	3.0973	2.6174	Ave		2.9505				11.5		20.0			
Trichloroethene	1.5132 1.6603	1.5062 1.6434	1.6119 1.6256	1.7143	1.5141	Ave		1.5986			0.2000	4.9		20.0			
Methylcyclohexane	2.5962 3.1525	2.4691 2.9689	3.0680 2.8932	3.3595	2.8412	Ave		2.9186			0.1000	9.9		20.0			
1,2-Dichloropropane	1.5932 1.6606	1.8459 1.6971	1.8364 1.7316	1.6505	1.5721	Ave		1.6984			0.1000	6.0		20.0			
Dibromomethane	1.1205 1.0279	1.1425 1.0193	1.1099 1.0483	1.0298	0.9550	Ave		1.0567			0.1000	5.9		20.0			
1,4-Dioxane	+++++ 0.0109	0.0057 0.0109	0.0092 0.0111	0.0109	0.0117	Lin1	-0.0082	0.0111							0.9990		0.9900
Bromodichloromethane	1.8105 2.0148	1.9444 2.1097	1.8120 2.1601	1.9589	1.7947	Ave		1.9506			0.2000	7.2		20.0			
2-Chloroethyl vinyl ether	1.1058 1.2271	1.1954 1.3002	1.1003 1.2653	1.1574	1.0523	Ave		1.1755				7.4		20.0			
cis-1,3-Dichloropropene	2.4556 2.6030	2.3584 2.7778	2.4348 2.7957	2.3575	2.3597	Ave		2.5178			0.2000	7.3		20.0			
4-Methyl-2-pentanone (MIBK)	1.3926 1.2527	1.2728 1.2700	1.2582 1.2899	1.2146	1.1586	Ave		1.2637			0.1000	5.3		20.0			
Toluene	1.8785 2.0844	2.0171 2.1130	1.9049 2.0773	2.1379	1.9727	Ave		2.0232			0.4000	4.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 596289

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2021 17:37 Calibration End Date: 09/14/2021 20:20 Calibration ID: 42382

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
trans-1,3-Dichloropropene	1.1299 1.2178	1.0954 1.2617	1.1071 1.2789	1.1385	1.1012	Ave		1.1663			0.1000	6.4		20.0			
Ethyl methacrylate	0.8321 1.1014	0.8860 1.1809	0.8767 1.1949	0.9746	1.0041	Ave		1.0063				13.9		20.0			
1,1,2-Trichloroethane	0.7104 0.6134	0.6253 0.6205	0.6345 0.6204	0.5976	0.5820	Ave		0.6255			0.1000	6.1		20.0			
Tetrachloroethene	0.8889 0.9374	0.7599 0.9173	0.8495 0.8860	0.9351	0.8571	Ave		0.8789			0.2000	6.6		20.0			
1,3-Dichloropropane	1.2938 1.2823	1.3628 1.3148	1.2511 1.3039	1.2714	1.2124	Ave		1.2866				3.5		20.0			
2-Hexanone	0.7618 0.8789	0.8746 0.9074	0.8864 0.8826	0.7991	0.7923	Ave		0.8479			0.1000	6.4		20.0			
Dibromochloromethane	0.7135 0.7572	0.6303 0.8097	0.7186 0.8272	0.7357	0.6934	Ave		0.7357			0.1000	8.6		20.0			
1,2-Dibromoethane	0.7976 0.8114	0.7325 0.8323	0.7426 0.8216	0.7707	0.7433	Ave		0.7815				5.0		20.0			
Chlorobenzene	2.2766 2.3981	2.1311 2.4060	2.2796 2.3969	2.3840	2.1915	Ave		2.3080			0.5000	4.6		20.0			
Ethylbenzene	3.7047 3.9716	3.4533 3.9918	3.7643 4.0351	3.8794	3.6223	Ave		3.8028			0.1000	5.4		20.0			
1,1,1,2-Tetrachloroethane	0.7495 0.8706	0.8032 0.8685	0.8085 0.9048	0.8614	0.8125	Ave		0.8349				6.0		20.0			
m-Xylene & p-Xylene	1.4440 1.6213	1.4049 1.6334	1.5296 1.6093	1.5849	1.5106	Ave		1.5422			0.1000	5.5		20.0			
o-Xylene	1.4794 1.5965	1.3689 1.5923	1.5383 1.6001	1.5485	1.4758	Ave		1.5250			0.3000	5.3		20.0			
Styrene	2.3318 2.6257	2.4567 2.7378	2.4434 2.7757	2.3860	2.2931	Ave		2.5063			0.3000	7.3		20.0			
Bromoform	0.5089 0.5293	0.4355 0.5895	0.4647 0.6164	0.4798	0.4696	Ave		0.5117			0.1000	12.4		20.0			
Isopropylbenzene	3.5281 3.9949	3.3502 3.8811	3.7419 3.9599	4.0718	3.8573	Ave		3.7982			0.1000	6.5		20.0			
Bromobenzene	0.9521 1.0070	0.9356 0.9972	0.9230 1.0057	0.9689	0.9637	Ave		0.9692				3.3		20.0			
1,1,2,2-Tetrachloroethane	1.1292 1.0258	1.0638 1.0416	1.0195 1.0614	1.0224	0.9643	Ave		1.0410			0.3000	4.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 596289

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2021 17:37 Calibration End Date: 09/14/2021 20:20 Calibration ID: 42382

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
N-Propylbenzene	4.0252 4.4394	3.9657 4.4412	4.1181 4.4548	4.3988	4.1635	Ave		4.2508				4.8		20.0			
1,2,3-Trichloropropane	0.4067 0.3558	0.3349 0.3547	0.3676 0.3590	0.3669	0.3394	Ave		0.3606				6.1		20.0			
trans-1,4-Dichloro-2-butene	+++++ 0.3323	0.2477 0.3682	0.2786 0.3658	0.2868	0.2900	Lin1	-0.193	0.3616							0.9970		0.9900
2-Chlorotoluene	0.9919 0.9139	0.9900 0.9012	0.8861 0.8989	0.9183	0.9067	Ave		0.9259				4.5		20.0			
1,3,5-Trimethylbenzene	2.9686 3.3797	2.9346 3.3565	3.1380 3.4184	3.3701	3.2723	Ave		3.2298				6.0		20.0			
4-Chlorotoluene	0.8863 0.9449	0.8547 0.9306	0.9582 0.9356	0.9511	0.8658	Ave		0.9159				4.4		20.0			
tert-Butylbenzene	0.7277 0.7573	0.6402 0.7333	0.6755 0.7213	0.7696	0.7068	Ave		0.7165				5.9		20.0			
1,2,4-Trimethylbenzene	3.2781 3.4500	3.0389 3.4809	3.2743 3.5384	3.4278	3.3263	Ave		3.3518				4.7		20.0			
sec-Butylbenzene	3.7364 4.2545	3.5305 4.2126	3.7354 4.2632	4.2370	3.9953	Ave		3.9956				7.3		20.0			
1,3-Dichlorobenzene	1.9453 1.9062	1.7931 1.9436	1.9632 1.9689	1.9549	1.8099	Ave		1.9106			0.6000	3.7		20.0			
4-Isopropyltoluene	3.3307 3.8454	3.0642 3.7623	3.3907 3.8197	3.8032	3.5267	Ave		3.5679				8.0		20.0			
1,4-Dichlorobenzene	2.0519 1.9260	1.8822 1.9789	2.0377 2.0135	1.9401	1.8120	Ave		1.9553			0.5000	4.2		20.0			
n-Butylbenzene	2.6987 3.2028	2.5446 3.1480	2.8466 3.1483	3.1714	2.9633	Ave		2.9655				8.3		20.0			
1,2-Dichlorobenzene	2.0292 1.9044	1.9544 1.9133	1.9722 1.9746	1.9666	1.8815	Ave		1.9495			0.4000	2.4		20.0			
1,2-Dibromo-3-Chloropropane	0.1856 0.2174	0.1908 0.2183	0.2248 0.2345	0.2242	0.2024	Ave		0.2122			0.0500	8.2		20.0			
1,2,4-Trichlorobenzene	1.5866 1.4535	1.5080 1.4465	1.4612 1.4175	1.5228	1.4011	Ave		1.4747			0.2000	4.1		20.0			
Hexachlorobutadiene	0.6022 0.6705	0.6069 0.6530	0.5803 0.5936	0.6831	0.6216	Ave		0.6264				6.0		20.0			
Naphthalene	4.3399 4.4136	4.4025 4.5040	4.3615 4.6888	4.4160	4.2882	Ave		4.4268				2.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 596289

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2021 17:37 Calibration End Date: 09/14/2021 20:20 Calibration ID: 42382

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,3-Trichlorobenzene	1.3970 1.4360	1.5387 1.4613	1.4589 1.4156	1.5220	1.4410	Ave		1.4588				3.4		20.0			
Dibromofluoromethane (Surr)	1.3370 1.3253	1.3351 1.3165	1.4325 1.3726	1.3587	1.2929	Ave		1.3463				3.2		20.0			
1,2-Dichloroethane-d4 (Surr)	0.8719 0.8381	0.8966 0.8401	0.9207 0.8644	0.8795	0.8635	Ave		0.8718				3.2		20.0			
Toluene-d8 (Surr)	2.4702 2.5260	2.4984 2.5387	2.4645 2.5702	2.6165	2.5554	Ave		2.5300				2.0		20.0			
4-Bromofluorobenzene (Surr)	0.8243 0.8443	0.8320 0.8742	0.8492 0.8682	0.8454	0.8181	Ave		0.8445				2.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 596289

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2021 17:37 Calibration End Date: 09/14/2021 20:20 Calibration ID: 42382

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-596289/4	S3499.D
Level 2	IC 480-596289/5	S3500.D
Level 3	IC 480-596289/6	S3501.D
Level 4	IC 480-596289/7	S3502.D
Level 5	IC 480-596289/8	S3503.D
Level 6	ICIS 480-596289/9	S3504.D
Level 7	IC 480-596289/10	S3505.D
Level 8	IC 480-596289/11	S3506.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	4900 302634	13763 599154	22907 1126065	61075	112735	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	7994 389233	17453 753935	29708 1456275	75944	153664	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	+++++ 358934	15649 728877	26366 1395409	67882	132013	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	8113 424711	20046 815545	32946 1549780	81793	151114	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	5318 230469	11587 438731	19222 840709	44334	84172	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	5486 233946	12246 452433	19176 869828	46000	91389	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	9204 502516	25450 1003222	41910 1931209	93735	191261	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	+++++ 452424	19118 885985	32967 1680465	83467	159558	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	6648 291748	12966 595098	22330 1175952	55307	110730	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	2487 109707	3866 220756	8758 415004	20236	41054	2.50 125	5.00 250	10.0 500	25.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	4009 276794	6790 505533	18476 957894	54105	94386	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethene	FB	Ave	6289 252143	8901 485915	20158 934840	51146	93599	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	11799	26222	47804	116343	259862	2.50	5.00	10.0	25.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 596289

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2021 17:37 Calibration End Date: 09/14/2021 20:20 Calibration ID: 42382

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			683708	1369006	2577588			125	250	500		
Iodomethane	FB	Ave	9738 451114	16506 945860	35311 1805891	91594	167155	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	14530 881454	29529 1722586	61224 3348924	171481	317061	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Allyl chloride	FB	Ave	9571 517929	19534 1027167	37253 2045263	101271	192183	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Ave	15546 634210	34824 1157392	51163 2600398	112574	251249	1.00 50.0	2.00 100	4.00 200	10.0	20.0
Methylene Chloride	FB	Lin1	13183 307567	18217 596600	29543 1201921	66332	119057	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	6092 436263	16766 941701	25212 1893417	73796	155057	5.00 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	19202 911344	35346 1872237	71127 3754097	176644	336989	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	5816 286272	11639 573683	22571 1125281	55589	106384	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	35733 1748840	71916 3598100	138939 6691541	331274	660172	5.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	8461 480468	14614 916630	30699 1756968	94442	166527	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethane	FB	Ave	10777 540385	19021 1069071	41551 2146357	102938	196542	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	26787 1454178	52625 3187592	94331 6647562	244886	495828	1.00 50.0	2.00 100	4.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	5249 282296	9229 518288	20975 997150	60256	103867	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	5803 314341	12256 622642	25730 1244526	60797	114044	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	20799 989530	39368 2145680	68030 4090724	180021	365460	2.50 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	3647 165566	6077 333437	13477 674300	32220	58863	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	7436 269625	14243 562251	20774 1077424	49625	98222	1.00 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	12727	21006	39328	97556	185810	0.500	1.00	2.00	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 596289

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2021 17:37 Calibration End Date: 09/14/2021 20:20 Calibration ID: 42382

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			498509	1000671	2027538			25.0	50.0	100		
1,1,1-Trichloroethane	FB	Ave	7753 448308	13154 867822	32745 1681346	84460	160626	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	9087 607551	16584 1142222	40688 2164470	119961	217454	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	6824 394092	11649 770138	28345 1501127	73087	139237	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloropropene	FB	Ave	6431 398834	12118 769810	28245 1516803	73249	139492	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Benzene	FB	Ave	22014 1168050	42070 2375373	81864 4728340	213146	423374	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Isobutyl alcohol	FB	Ave	6411 349486	15080 814028	22972 1629465	54977	116779	12.5 625	25.0 1250	50.0 2500	125	250
1,2-Dichloroethane	FB	Ave	9225 414909	16704 865139	32363 1715219	78394	159197	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	11735 547861	15417 1031969	34920 1997450	98851	176210	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	5048 284284	9604 573716	19554 1112396	54713	101938	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	8661 539780	15744 1036429	37217 1979741	107217	191278	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	5315 284335	11770 592452	22277 1184887	52674	105837	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromomethane	FB	Ave	3738 175999	7285 355851	13464 717339	32867	64293	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBNZ d5	Lin1	+++++ 75732	1555 156632	4694 315874	14044	31810	+++++ 500	20.0 1000	40.0 2000	100	200
Bromodichloromethane	FB	Ave	6040 344976	12398 736488	21981 1478131	62517	120829	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	3689 210107	7622 453912	13348 865823	36937	70844	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	8192 445695	15038 969724	29536 1913051	75240	158866	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBNZ d5	Ave	49146	86343	160227	392677	784182	2.50	5.00	10.0	25.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 596289

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2021 17:37 Calibration End Date: 09/14/2021 20:20 Calibration ID: 42382

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			2184476	4568920	9166410			125	250	500		
Toluene	CBNZ d5	Ave	13259 726967	27366 1520308	48519 2952411	138237	267037	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	7975 424710	14862 907811	28197 1817582	73613	149057	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl methacrylate	CBNZ d5	Ave	5873 384113	12020 849639	22331 1698310	63017	135917	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBNZ d5	Ave	5014 213935	8484 446421	16161 881711	38644	78779	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrachloroethene	CBNZ d5	Ave	6274 326944	10310 660022	21636 1259170	60463	116023	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichloropropane	CBNZ d5	Ave	9132 447230	18490 945980	31865 1853192	82212	164116	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBNZ d5	Ave	26884 1532714	59331 3264514	112889 6272018	258350	536216	2.50 125	5.00 250	10.0 500	25.0	50.0
Dibromochloromethane	CBNZ d5	Ave	5036 264065	8552 582560	18302 1175712	47572	93867	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromoethane	CBNZ d5	Ave	5630 283000	9938 598830	18915 1167758	49831	100612	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Chlorobenzene	CBNZ d5	Ave	16069 836365	28913 1731088	58062 3406548	154154	296656	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBNZ d5	Ave	26149 1385126	46851 2872083	95877 5734845	250846	490331	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	5290	10897	20593	55697	109987	0.500	1.00	2.00	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 596289

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2021 17:37 Calibration End Date: 09/14/2021 20:20 Calibration ID: 42382

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			303634	624901	1286013			25.0	50.0	100		
m-Xylene & p-Xylene	CBNZ d5	Ave	10192	19060	38959	102482	204486	0.500	1.00	2.00	5.00	10.0
			565439	1175206	2287241			25.0	50.0	100		
o-Xylene	CBNZ d5	Ave	10442	18572	39182	100124	199776	0.500	1.00	2.00	5.00	10.0
			556799	1145692	2274108			25.0	50.0	100		
Styrene	CBNZ d5	Ave	16459	33330	62233	154277	310407	0.500	1.00	2.00	5.00	10.0
			915742	1969849	3945013			25.0	50.0	100		
Bromoform	CBNZ d5	Ave	3592	5908	11836	31021	63568	0.500	1.00	2.00	5.00	10.0
			184592	424148	876060			25.0	50.0	100		
Isopropylbenzene	DCBd 4	Ave	25261	46169	101642	272822	528724	0.500	1.00	2.00	5.00	10.0
			1486094	3031588	6055313			25.0	50.0	100		
Bromobenzene	DCBd 4	Ave	6817	12894	25071	64917	132103	0.500	1.00	2.00	5.00	10.0
			374620	778889	1537890			25.0	50.0	100		
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	8085	14660	27694	68506	132179	0.500	1.00	2.00	5.00	10.0
			381602	813601	1622995			25.0	50.0	100		
N-Propylbenzene	DCBd 4	Ave	28820	54651	111861	294731	570699	0.500	1.00	2.00	5.00	10.0
			1651455	3469066	6812030			25.0	50.0	100		
1,2,3-Trichloropropane	DCBd 4	Ave	2912	4615	9985	24585	46524	0.500	1.00	2.00	5.00	10.0
			132362	277096	548899			25.0	50.0	100		
trans-1,4-Dichloro-2-butene	DCBd 4	Lin1	+++++	3414	7569	19214	39753	+++++	1.00	2.00	5.00	10.0
			123626	287586	559380			25.0	50.0	100		
2-Chlorotoluene	DCBd 4	Ave	7102	13643	24070	61531	124285	0.500	1.00	2.00	5.00	10.0
			339987	703914	1374487			25.0	50.0	100		
1,3,5-Trimethylbenzene	DCBd 4	Ave	21255	40441	85238	225805	448537	0.500	1.00	2.00	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 596289

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2021 17:37 Calibration End Date: 09/14/2021 20:20 Calibration ID: 42382

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			1257252	2621814	5227235			25.0	50.0	100		
4-Chlorotoluene	DCBd 4	Ave	6346	11779	26029	63727	118673	0.500	1.00	2.00	5.00	10.0
			351499	726866	1430719			25.0	50.0	100		
tert-Butylbenzene	DCBd 4	Ave	5210	8822	18348	51562	96885	0.500	1.00	2.00	5.00	10.0
			281710	572822	1102985			25.0	50.0	100		
1,2,4-Trimethylbenzene	DCBd 4	Ave	23471	41879	88941	229672	455942	0.500	1.00	2.00	5.00	10.0
			1283383	2718988	5410645			25.0	50.0	100		
sec-Butylbenzene	DCBd 4	Ave	26752	48653	101465	283887	547646	0.500	1.00	2.00	5.00	10.0
			1582668	3290484	6519040			25.0	50.0	100		
1,3-Dichlorobenzene	DCBd 4	Ave	13928	24711	53328	130984	248081	0.500	1.00	2.00	5.00	10.0
			709121	1518128	3010720			25.0	50.0	100		
4-Isopropyltoluene	DCBd 4	Ave	23847	42227	92102	254825	483411	0.500	1.00	2.00	5.00	10.0
			1430481	2938775	5840893			25.0	50.0	100		
1,4-Dichlorobenzene	DCBd 4	Ave	14691	25939	55351	129990	248378	0.500	1.00	2.00	5.00	10.0
			716481	1545721	3078919			25.0	50.0	100		
n-Butylbenzene	DCBd 4	Ave	19322	35067	77322	212492	406187	0.500	1.00	2.00	5.00	10.0
			1191450	2458969	4814219			25.0	50.0	100		
1,2-Dichlorobenzene	DCBd 4	Ave	14529	26933	53571	131768	257907	0.500	1.00	2.00	5.00	10.0
			708452	1494519	3019504			25.0	50.0	100		
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	1329	2629	6106	15020	27741	0.500	1.00	2.00	5.00	10.0
			80891	170484	358556			25.0	50.0	100		
1,2,4-Trichlorobenzene	DCBd 4	Ave	11360	20781	39690	102033	192054	0.500	1.00	2.00	5.00	10.0
			540716	1129854	2167557			25.0	50.0	100		
Hexachlorobutadiene	DCBd 4	Ave	4312	8364	15764	45768	85207	0.500	1.00	2.00	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 596289

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2021 17:37 Calibration End Date: 09/14/2021 20:20 Calibration ID: 42382

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			249426	510027	907763			25.0	50.0	100		
Naphthalene	DCBd 4	Ave	31073	60671	118471	295880	587795	0.500	1.00	2.00	5.00	10.0
			1641849	3518086	7169814			25.0	50.0	100		
1,2,3-Trichlorobenzene	DCBd 4	Ave	10002	21204	39629	101978	197524	0.500	1.00	2.00	5.00	10.0
			534205	1141429	2164725			25.0	50.0	100		
Dibromofluoromethane (Surr)	FB	Ave	223020	212834	217221	216806	217599	25.0	25.0	25.0	25.0	25.0
			226925	229790	234818			25.0	25.0	25.0		
1,2-Dichloroethane-d4 (Surr)	FB	Ave	145434	142925	139607	140348	145339	25.0	25.0	25.0	25.0	25.0
			143504	146635	147869			25.0	25.0	25.0		
Toluene-d8 (Surr)	CBNZ d5	Ave	871785	847396	784649	845933	864773	25.0	25.0	25.0	25.0	25.0
			880966	913307	913223			25.0	25.0	25.0		
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	290923	282213	270371	273319	276856	25.0	25.0	25.0	25.0	25.0
			294459	314475	308499			25.0	25.0	25.0		

Curve Type Legend
Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 596289

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2021 17:37 Calibration End Date: 09/14/2021 20:20 Calibration ID: 42382

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-596289/4	S3499.D
Level 2	IC 480-596289/5	S3500.D
Level 3	IC 480-596289/6	S3501.D
Level 4	IC 480-596289/7	S3502.D
Level 5	IC 480-596289/8	S3503.D
Level 6	ICIS 480-596289/9	S3504.D
Level 7	IC 480-596289/10	S3505.D
Level 8	IC 480-596289/11	S3506.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Dichlorodifluoromethane	-17.4						30					
Chloromethane	1.9						30					
Vinyl chloride	+++++	15.0						30				
Butadiene	-3.6						30					
Bromomethane	11.2						30					
Chloroethane	10.8						30					
Dichlorofluoromethane	-10.3						30					
Trichlorofluoromethane	+++++	14.5						30				
Ethyl ether	10.9						30					
Acrolein	14.8						30					
1,1,2-Trichloro-1,2,2-trifluoroethane	-15.3						30					
1,1-Dichloroethene	24.0						30					
Acetone	-8.1						30					
Iodomethane	7.3						30					
Carbon disulfide	-10.9						30					

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 596289

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2021 17:37 Calibration End Date: 09/14/2021 20:20 Calibration ID: 42382

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Allyl chloride	-4.3						30					
Methyl acetate	15.0						30					
Methylene Chloride	-6.7						30					
2-Methyl-2-propanol	-23.8						30					
Methyl tert-butyl ether	5.0						30					
trans-1,2-Dichloroethene	1.7						30					
Acrylonitrile	2.1						30					
Hexane	-2.4						30					
1,1-Dichloroethane	2.8						30					
Vinyl acetate	-3.3						30					
2,2-Dichloropropane	-1.4						30					
cis-1,2-Dichloroethene	-6.1						30					
2-Butanone (MEK)	6.1						30					
Chlorobromomethane	10.0						30					
Tetrahydrofuran	27.8						30					
Chloroform	22.5						30					
1,1,1-Trichloroethane	-5.5						30					
Cyclohexane	-15.0						30					
Carbon tetrachloride	-5.2						30					
1,1-Dichloropropene	-10.7						30					
Benzene	-1.2						30					

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
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Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 596289

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2021 17:37 Calibration End Date: 09/14/2021 20:20 Calibration ID: 42382

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Isobutyl alcohol	-6.2						30					
1,2-Dichloroethane	9.1						30					
n-Heptane	19.2						30					
Trichloroethene	-5.3						30					
Methylcyclohexane	-11.0						30					
1,2-Dichloropropane	-6.2						30					
Dibromomethane	6.0						30					
1,4-Dioxane	+++++	-12.0						30				
Bromodichloromethane	-7.2						30					
2-Chloroethyl vinyl ether	-5.9						30					
cis-1,3-Dichloropropene	-2.5						30					
4-Methyl-2-pentanone (MIBK)	10.2						30					
Toluene	-7.2						30					
trans-1,3-Dichloropropene	-3.1						30					
Ethyl methacrylate	-17.3						30					
1,1,2-Trichloroethane	13.6						30					
Tetrachloroethene	1.1						30					
1,3-Dichloropropane	0.6						30					
2-Hexanone	-10.2						30					
Dibromochloromethane	-3.0						30					
1,2-Dibromoethane	2.1						30					

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
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ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Chlorobenzene	-1.4						30					
Ethylbenzene	-2.6						30					
1,1,1,2-Tetrachloroethane	-10.2						30					
m-Xylene & p-Xylene	-6.4						30					
o-Xylene	-3.0						30					
Styrene	-7.0						30					
Bromoform	-0.5						30					
Isopropylbenzene	-7.1						30					
Bromobenzene	-1.8						30					
1,1,2,2-Tetrachloroethane	8.5						30					
N-Propylbenzene	-5.3						30					
1,2,3-Trichloropropane	12.8						30					
trans-1,4-Dichloro-2-butene	+++++	22.0						30				
2-Chlorotoluene	7.1						30					
1,3,5-Trimethylbenzene	-8.1						30					
4-Chlorotoluene	-3.2						30					
tert-Butylbenzene	1.6						30					
1,2,4-Trimethylbenzene	-2.2						30					
sec-Butylbenzene	-6.5						30					
1,3-Dichlorobenzene	1.8						30					
4-Isopropyltoluene	-6.6						30					

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GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
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	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
1,4-Dichlorobenzene	4.9						30					
n-Butylbenzene	-9.0						30					
1,2-Dichlorobenzene	4.1						30					
1,2-Dibromo-3-Chloropropane	-12.5						30					
1,2,4-Trichlorobenzene	7.6						30					
Hexachlorobutadiene	-3.9						30					
Naphthalene	-2.0						30					
1,2,3-Trichlorobenzene	-4.2						30					
Dibromofluoromethane (Surr)	-0.7						30					
1,2-Dichloroethane-d4 (Surr)	0.0						30					
Toluene-d8 (Surr)	-2.4						30					
4-Bromofluorobenzene (Surr)	-2.4						30					

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3499.D
Lims ID: IC 0.5
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 14-Sep-2021 17:37:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 0.5
Misc. Info.: 480-0100971-004
Operator ID: wd Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Sep-2021 10:50:08 Calib Date: 15-Sep-2021 00:35:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3517.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: HillL Date: 15-Sep-2021 10:05:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.999	0.000	98	166804	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.968	7.962	0.006	86	352919	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.395	10.395	0.000	93	357993	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.433	4.434	-0.001	55	223020	25.0	24.8	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.732	4.732	0.000	92	145434	25.0	25.0	
$ 5 Toluene-d8 (Surr)	98	6.496	6.496	0.000	91	871785	25.0	24.4	
$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.221	0.000	90	290923	25.0	24.4	
10 Dichlorodifluoromethane	85	1.081	1.088	-0.007	46	4900	0.5000	0.4128	M
12 Chloromethane	50	1.240	1.246	-0.006	43	7994	0.5000	0.5097	
13 Vinyl chloride	62	1.313	1.319	-0.006	18	4743	0.5000	0.3331	
151 Butadiene	54	1.319	1.325	-0.006	68	8113	0.5000	0.4820	
14 Bromomethane	94	1.592	1.586	0.006	68	5318	0.5000	0.5561	M
15 Chloroethane	64	1.647	1.647	0.000	46	5486	0.5000	0.5538	
16 Dichlorofluoromethane	67	1.842	1.848	-0.006	50	9204	0.5000	0.4484	M
17 Trichlorofluoromethane	101	1.854	1.860	-0.006	28	5707	0.5000	0.3265	
18 Ethyl ether	59	2.097	2.091	0.006	72	6648	0.5000	0.5546	a
20 Acrolein	56	2.280	2.274	0.006	13	2487	2.50	2.87	M
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.298	2.292	0.006	19	4009	0.5000	0.4235	
22 1,1-Dichloroethene	96	2.310	2.304	0.006	54	6289	0.5000	0.6198	
23 Acetone	43	2.408	2.420	-0.012	75	11799	2.50	2.30	M
25 Iodomethane	142	2.468	2.462	0.006	74	9738	0.5000	0.5367	
26 Carbon disulfide	76	2.493	2.499	-0.006	69	14530	0.5000	0.4457	
28 3-Chloro-1-propene	41	2.651	2.651	0.000	58	9571	0.5000	0.4784	M
27 Methyl acetate	43	2.700	2.700	0.000	76	15546	1.00	1.15	
30 Methylene Chloride	84	2.809	2.803	0.006	80	13183	0.5000	0.4665	
31 2-Methyl-2-propanol	59	3.004	2.973	0.031	37	6092	5.00	3.81	M
32 Methyl tert-butyl ether	73	3.004	2.998	0.006	82	19202	0.5000	0.5248	
34 trans-1,2-Dichloroethene	96	3.010	3.010	0.000	66	5816	0.5000	0.5086	
33 Acrylonitrile	53	3.077	3.077	0.000	96	35733	5.00	5.10	M
35 Hexane	57	3.199	3.199	-0.001	72	8461	0.5000	0.4879	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.411	3.418	-0.007	53	10777	0.5000	0.5140	
37 Vinyl acetate	43	3.484	3.478	0.006	95	26787	1.00	0.9669	
44 2,2-Dichloropropane	77	3.929	3.923	0.006	52	5249	0.5000	0.4928	
45 cis-1,2-Dichloroethene	96	3.971	3.965	0.006	24	5803	0.5000	0.4695	a
43 2-Butanone (MEK)	43	4.014	4.008	0.006	94	20799	2.50	2.65	
48 Chlorobromomethane	128	4.196	4.196	0.000	68	3647	0.5000	0.5501	
49 Tetrahydrofuran	42	4.221	4.208	0.013	74	7436	1.00	1.28	
50 Chloroform	83	4.281	4.275	0.006	55	12727	0.5000	0.6126	
51 1,1,1-Trichloroethane	97	4.373	4.373	0.000	33	7753	0.5000	0.4724	
52 Cyclohexane	56	4.373	4.379	-0.006	59	9087	0.5000	0.4248	
55 Carbon tetrachloride	117	4.500	4.507	-0.007	47	6824	0.5000	0.4738	a
54 1,1-Dichloropropene	75	4.525	4.525	0.000	49	6431	0.5000	0.4464	
57 Benzene	78	4.725	4.726	-0.001	37	22014	0.5000	0.4938	
53 Isobutyl alcohol	43	4.792	4.780	0.012	18	6411	12.5	11.7	M
58 1,2-Dichloroethane	62	4.798	4.805	-0.007	54	9225	0.5000	0.5454	
59 n-Heptane	43	4.914	4.914	0.000	77	11735	0.5000	0.5961	
62 Trichloroethene	95	5.340	5.334	0.006	68	5048	0.5000	0.4733	
64 Methylcyclohexane	83	5.443	5.443	0.000	54	8661	0.5000	0.4448	
65 1,2-Dichloropropane	63	5.577	5.577	0.000	50	5315	0.5000	0.4690	
67 Dibromomethane	93	5.717	5.711	0.006	58	3738	0.5000	0.5302	
66 1,4-Dioxane	88	5.741	5.717	0.024	0	490	10.0	10.4	M
68 Dichlorobromomethane	83	5.863	5.869	-0.006	48	6040	0.5000	0.4641	
69 2-Chloroethyl vinyl ether	63	6.167	6.155	0.012	55	3689	0.5000	0.4704	
72 cis-1,3-Dichloropropene	75	6.283	6.283	0.000	54	8192	0.5000	0.4876	
73 4-Methyl-2-pentanone (MIBK)	43	6.441	6.435	0.006	85	49146	2.50	2.75	
74 Toluene	92	6.563	6.557	0.006	78	13259	0.5000	0.4642	
77 trans-1,3-Dichloropropene	75	6.861	6.855	0.006	51	7975	0.5000	0.4844	a
75 Ethyl methacrylate	69	6.916	6.903	0.013	59	5873	0.5000	0.4134	
79 1,1,2-Trichloroethane	83	7.043	7.037	0.006	49	5014	0.5000	0.5678	
81 Tetrachloroethene	166	7.086	7.080	0.006	58	6274	0.5000	0.5057	
82 1,3-Dichloropropane	76	7.195	7.195	0.000	82	9132	0.5000	0.5028	
80 2-Hexanone	43	7.281	7.275	0.006	88	26884	2.50	2.25	
83 Chlorodibromomethane	129	7.427	7.427	0.000	35	5036	0.5000	0.4849	
84 Ethylene Dibromide	107	7.524	7.518	0.006	44	5630	0.5000	0.5103	
87 Chlorobenzene	112	7.998	7.992	0.006	48	16069	0.5000	0.4932	
88 Ethylbenzene	91	8.090	8.090	0.000	87	26149	0.5000	0.4871	
89 1,1,1,2-Tetrachloroethane	131	8.102	8.096	0.006	10	5290	0.5000	0.4488	
90 m-Xylene & p-Xylene	106	8.211	8.211	0.000	89	10192	0.5000	0.4681	
91 o-Xylene	106	8.637	8.631	0.006	82	10442	0.5000	0.4850	
92 Styrene	104	8.674	8.668	0.006	60	16459	0.5000	0.4652	
95 Bromoform	173	8.917	8.911	0.006	17	3592	0.5000	0.4973	
94 Isopropylbenzene	105	9.020	9.021	-0.001	77	25261	0.5000	0.4645	
101 Bromobenzene	156	9.373	9.367	0.006	59	6817	0.5000	0.4912	
97 1,1,2,2-Tetrachloroethane	83	9.452	9.452	0.000	36	8085	0.5000	0.5424	
99 N-Propylbenzene	91	9.465	9.465	0.000	88	28820	0.5000	0.4735	
100 1,2,3-Trichloropropane	110	9.477	9.477	0.000	39	2912	0.5000	0.5639	
98 trans-1,4-Dichloro-2-butene	53	9.495	9.495	0.000	0	1440	0.5000	0.8132	M
103 2-Chlorotoluene	126	9.562	9.562	0.000	81	7102	0.5000	0.5357	
102 1,3,5-Trimethylbenzene	105	9.653	9.653	0.000	81	21255	0.5000	0.4596	
105 4-Chlorotoluene	126	9.684	9.684	0.000	70	6346	0.5000	0.4839	
106 tert-Butylbenzene	134	9.976	9.976	0.000	66	5210	0.5000	0.5078	
107 1,2,4-Trimethylbenzene	105	10.036	10.037	-0.001	67	23471	0.5000	0.4890	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.195	10.195	0.000	63	26752	0.5000	0.4676	
111 1,3-Dichlorobenzene	146	10.328	10.329	-0.001	72	13928	0.5000	0.5091	
110 4-Isopropyltoluene	119	10.341	10.341	0.000	83	23847	0.5000	0.4668	
113 1,4-Dichlorobenzene	146	10.420	10.420	0.000	2	14691	0.5000	0.5247	
115 n-Butylbenzene	91	10.736	10.736	0.000	81	19322	0.5000	0.4550	
116 1,2-Dichlorobenzene	146	10.779	10.773	0.006	76	14529	0.5000	0.5204	
117 1,2-Dibromo-3-Chloropropane	75	11.515	11.521	-0.006	1	1329	0.5000	0.4373	
119 1,2,4-Trichlorobenzene	180	12.190	12.196	-0.006	57	11360	0.5000	0.5380	
120 Hexachlorobutadiene	225	12.312	12.312	0.000	36	4312	0.5000	0.4807	
121 Naphthalene	128	12.409	12.409	0.000	78	31073	0.5000	0.4902	
122 1,2,3-Trichlorobenzene	180	12.616	12.610	0.006	57	10002	0.5000	0.4788	
S 123 Total BTEX	1				0			2.40	
S 126 1,3-Dichloropropene, Total	1				0			0.9720	
S 125 1,2-Dichloroethene, Total	1				0			0.9781	
S 124 Xylenes, Total	1				0			0.9532	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

GAS CORP mix_00472	Amount Added:	0.50	Units: uL	
8260 CORP mix_00214	Amount Added:	0.50	Units: uL	
S_8260_IS_00351	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00398	Amount Added:	1.00	Units: uL	Run Reagent

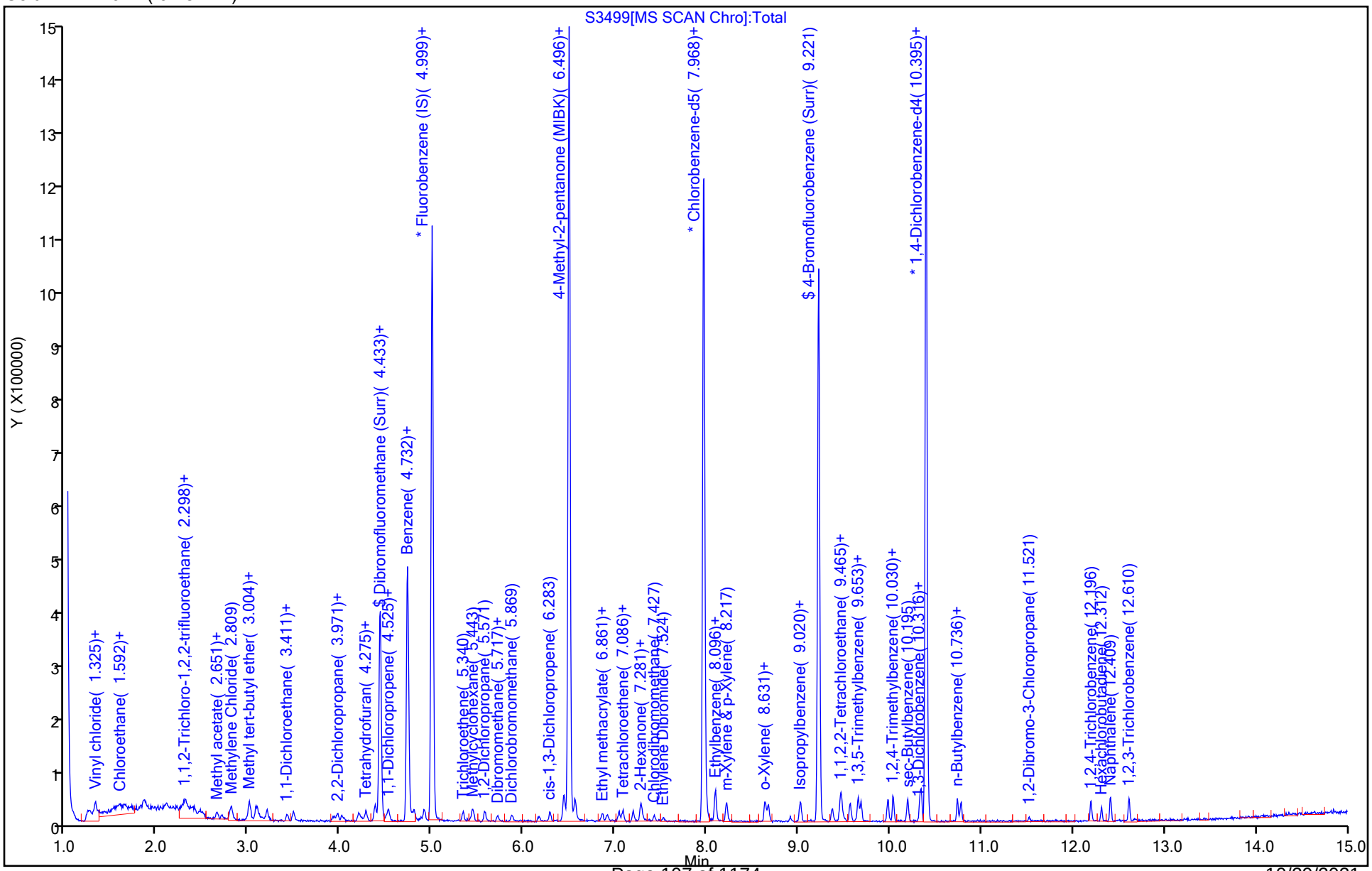
Report Date: 15-Sep-2021 10:50:09 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3499.D

Injection Date:	14-Sep-2021 17:37:30	Instrument ID:	HP5973S	Operator ID:	wd
Lims ID:	IC 0.5			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

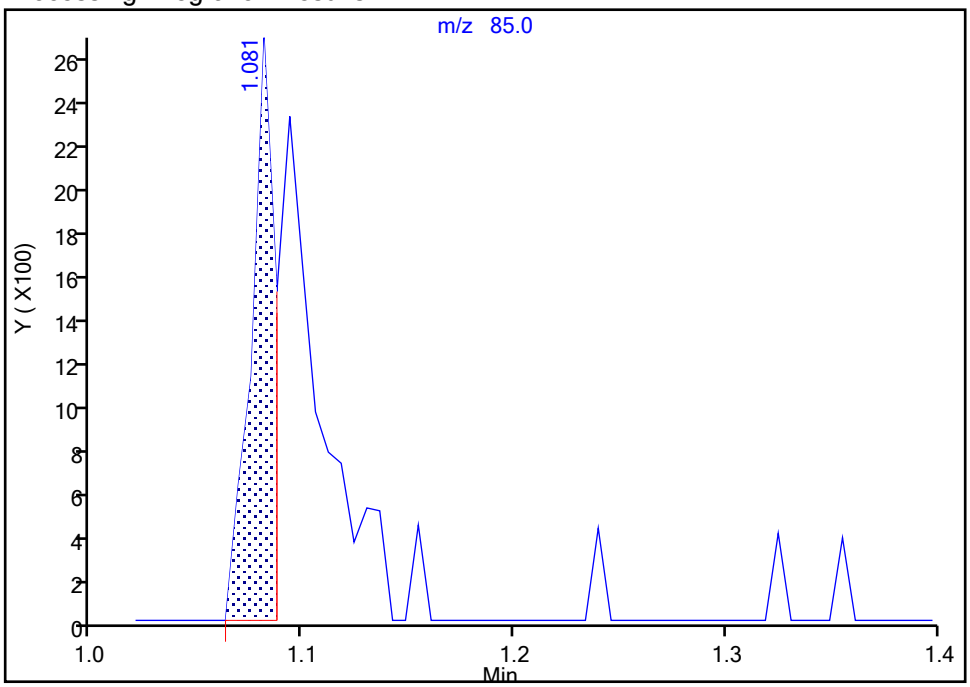
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3499.D
Injection Date: 14-Sep-2021 17:37:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: wd ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

10 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

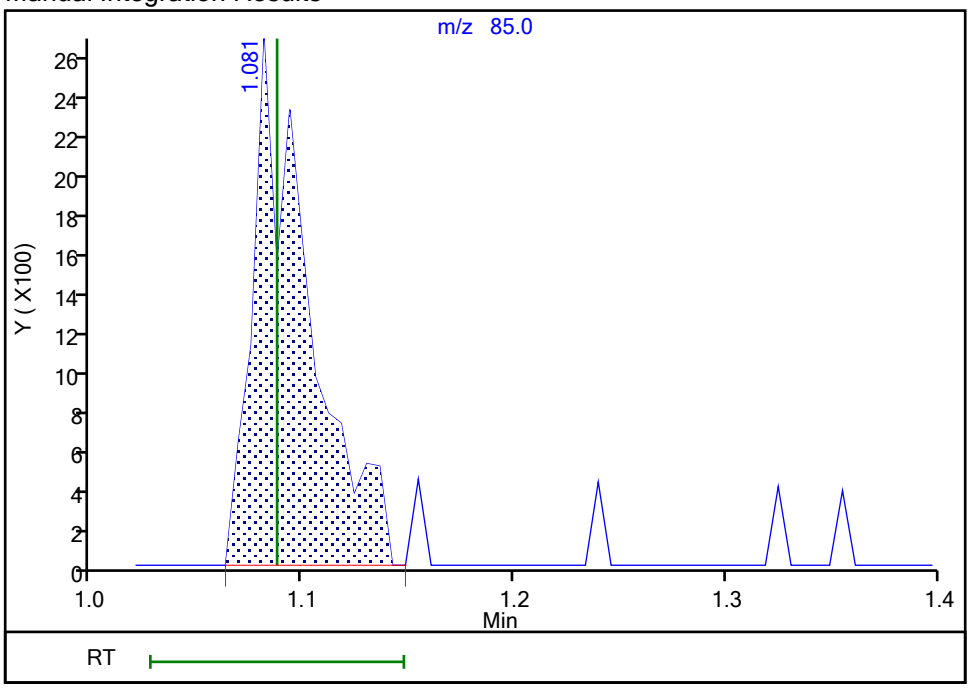
Processing Integration Results

RT: 1.08
Area: 2122
Amount: 0.352223
Amount Units: ug/L



Manual Integration Results

RT: 1.08
Area: 4900
Amount: 0.412778
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:00:03
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

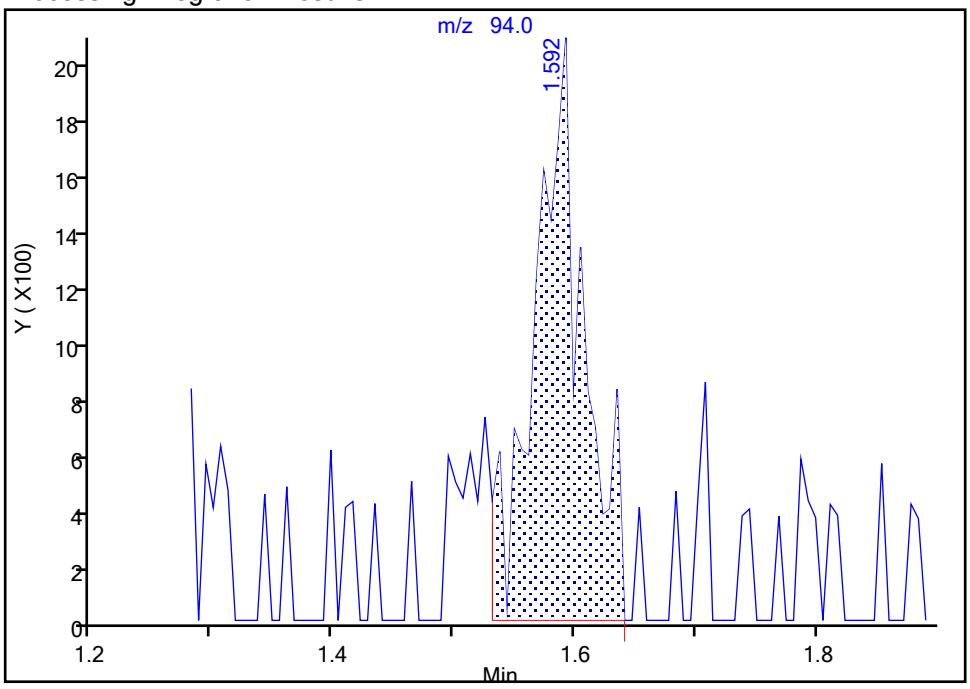
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3499.D
Injection Date: 14-Sep-2021 17:37:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: wd ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

14 Bromomethane, CAS: 74-83-9

Signal: 1

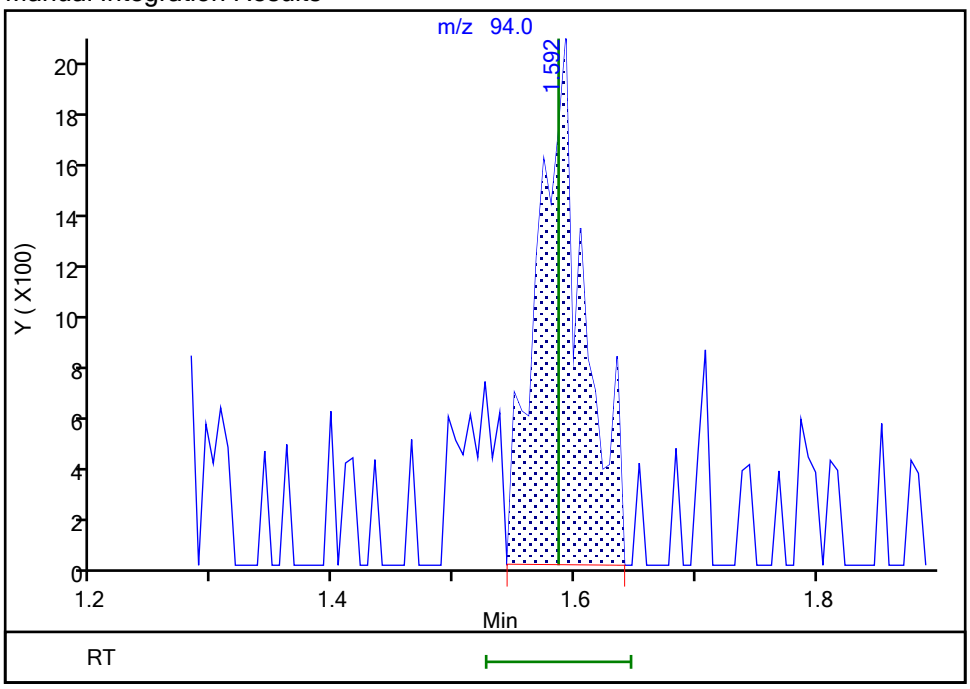
Processing Integration Results

RT: 1.59
Area: 5692
Amount: 0.589423
Amount Units: ug/L



Manual Integration Results

RT: 1.59
Area: 5318
Amount: 0.556079
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:00:35
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

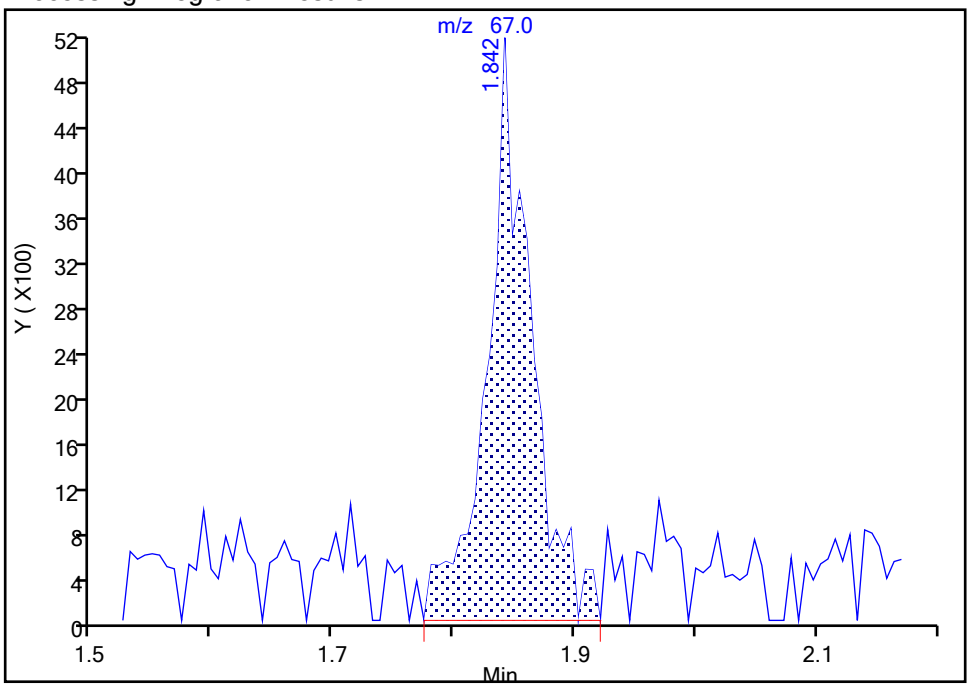
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3499.D
Injection Date: 14-Sep-2021 17:37:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: wd ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

16 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

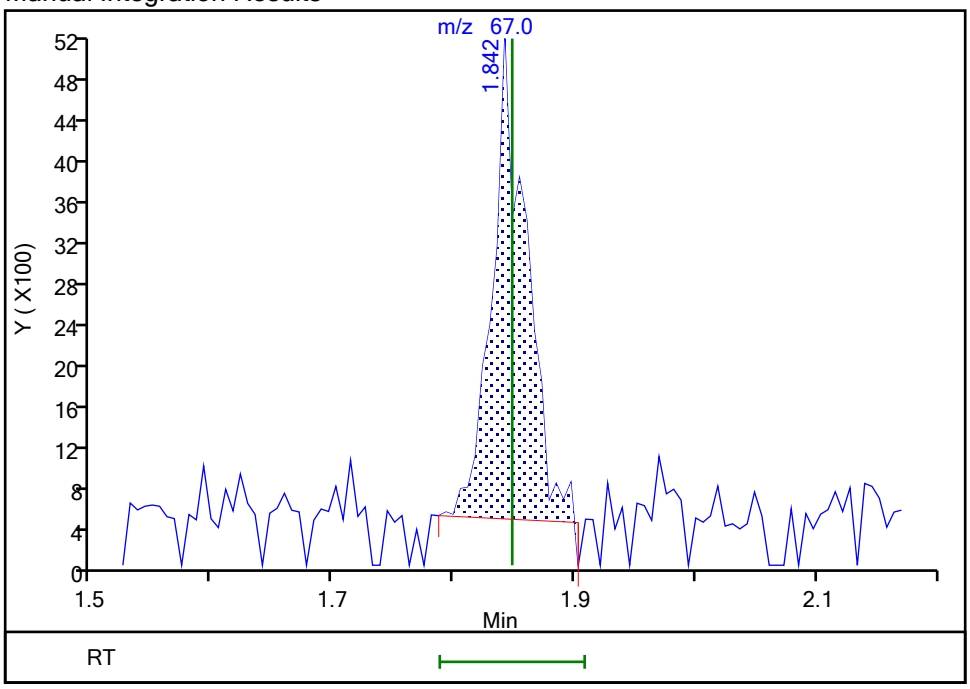
Processing Integration Results

RT: 1.84
Area: 13020
Amount: 0.606074
Amount Units: ug/L



Manual Integration Results

RT: 1.84
Area: 9204
Amount: 0.448352
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:00:47
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

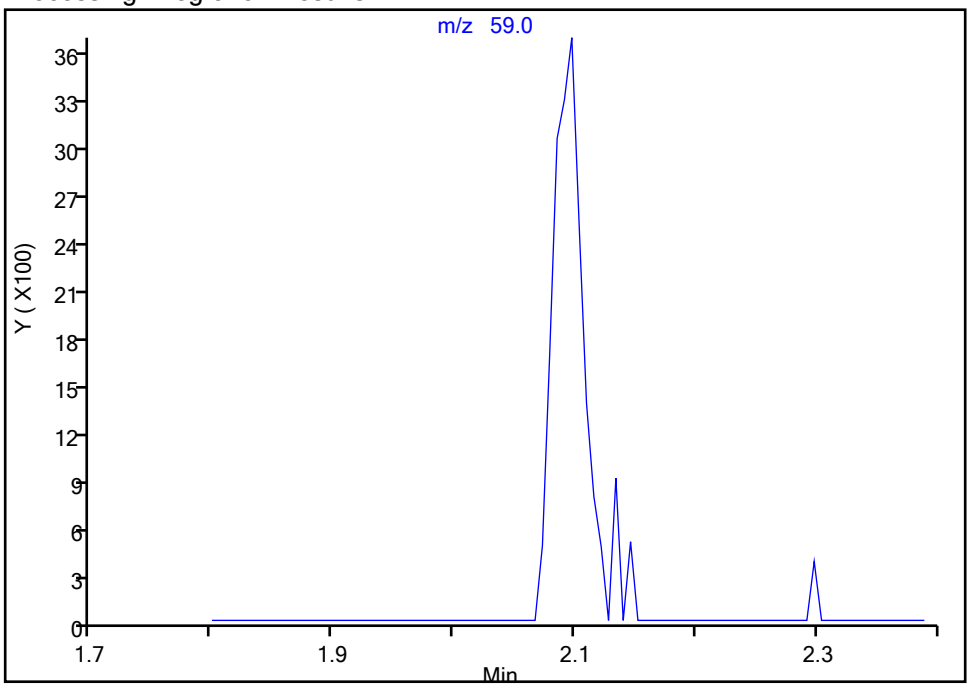
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3499.D
Injection Date: 14-Sep-2021 17:37:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: wd ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

18 Ethyl ether, CAS: 60-29-7

Signal: 1

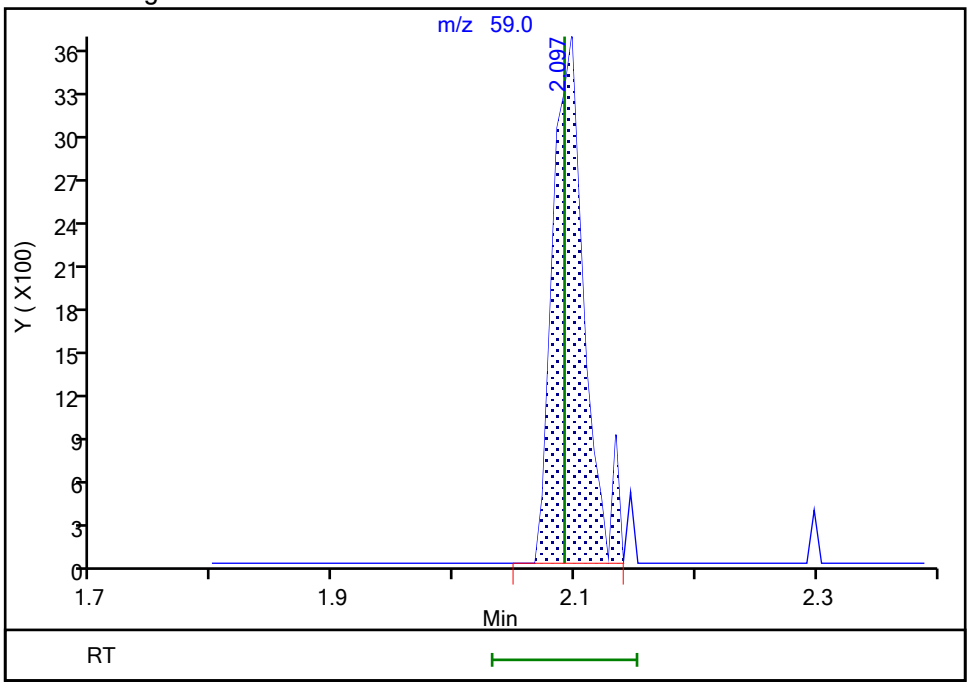
Not Detected
Expected RT: 2.09

Processing Integration Results



Manual Integration Results

RT: 2.10
Area: 6648
Amount: 0.554630
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:00:54
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

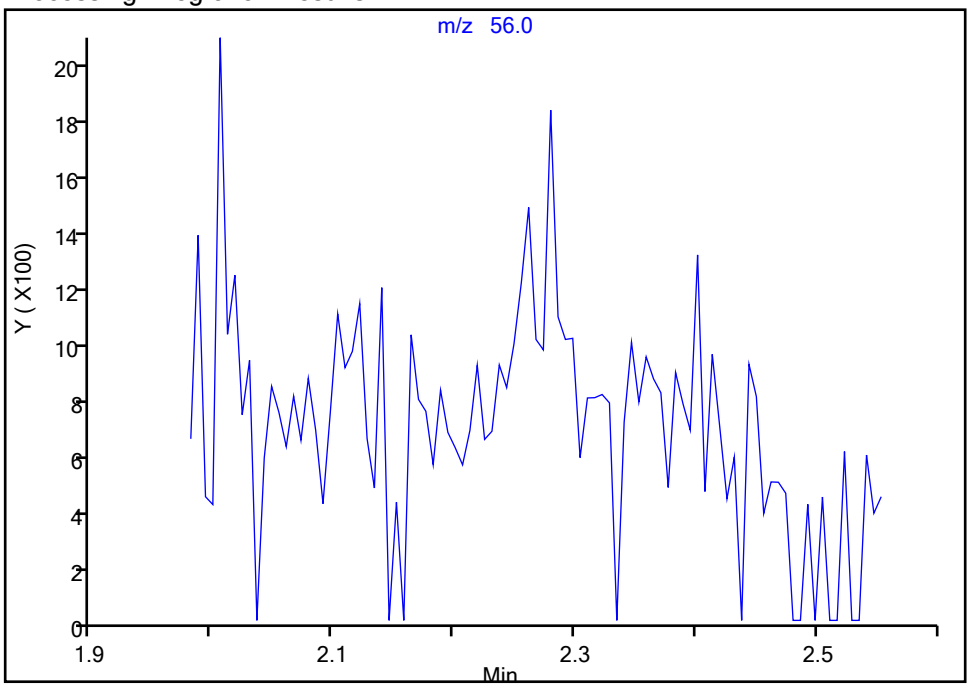
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3499.D
Injection Date: 14-Sep-2021 17:37:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: wd ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

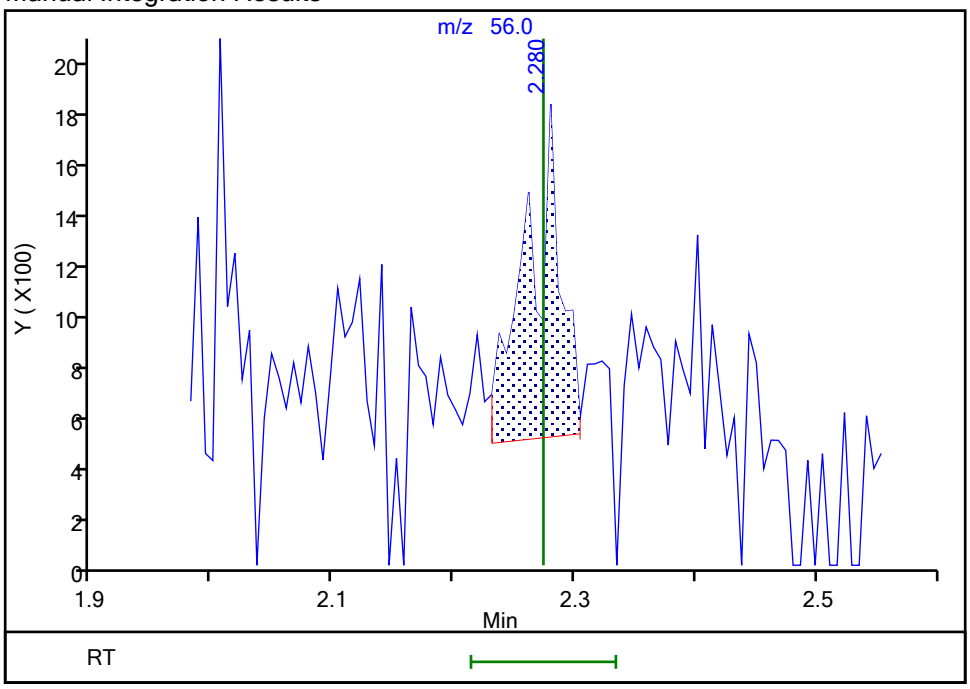
Not Detected
Expected RT: 2.27

Processing Integration Results



Manual Integration Results

RT: 2.28
Area: 2487
Amount: 2.868799
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:01:17
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

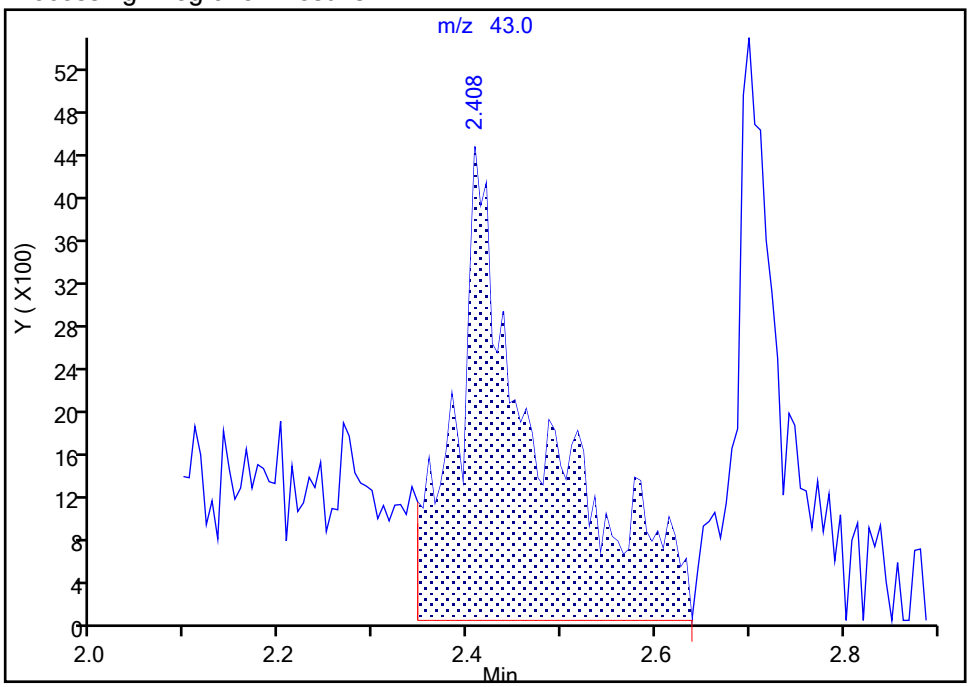
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3499.D
Injection Date: 14-Sep-2021 17:37:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: wd ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

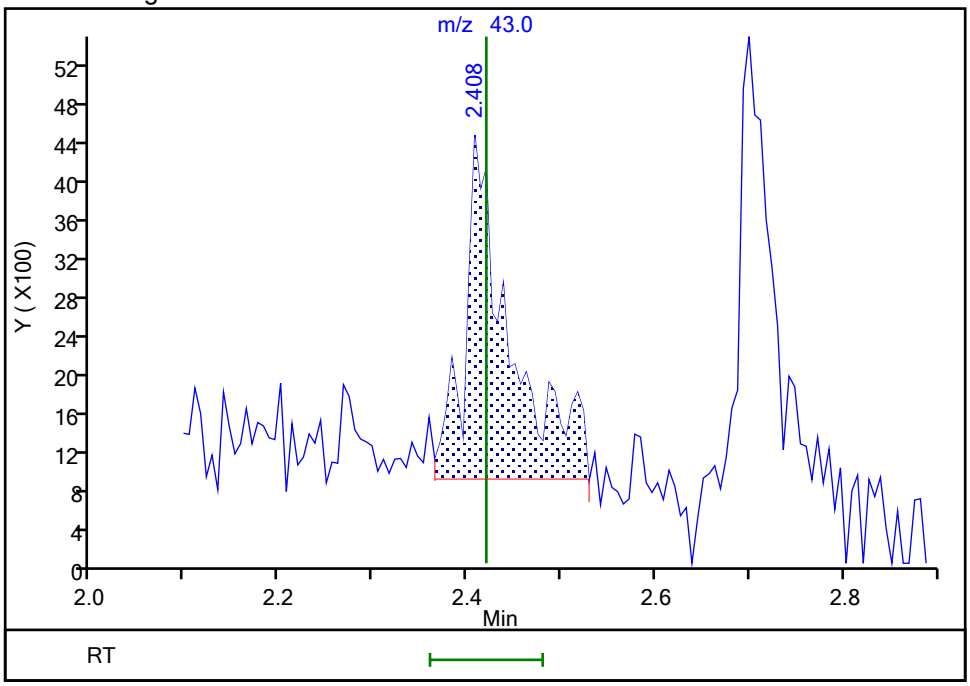
Processing Integration Results

RT: 2.41
Area: 27136
Amount: 4.247949
Amount Units: ug/L



Manual Integration Results

RT: 2.41
Area: 11799
Amount: 2.298348
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:01:46
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

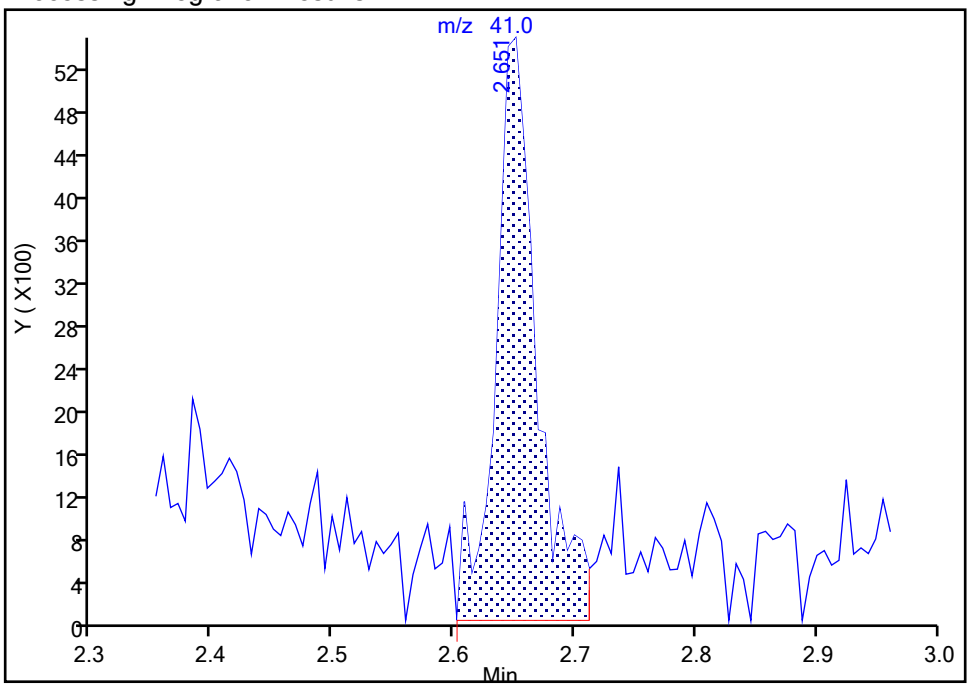
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3499.D
Injection Date: 14-Sep-2021 17:37:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: wd ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

28 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

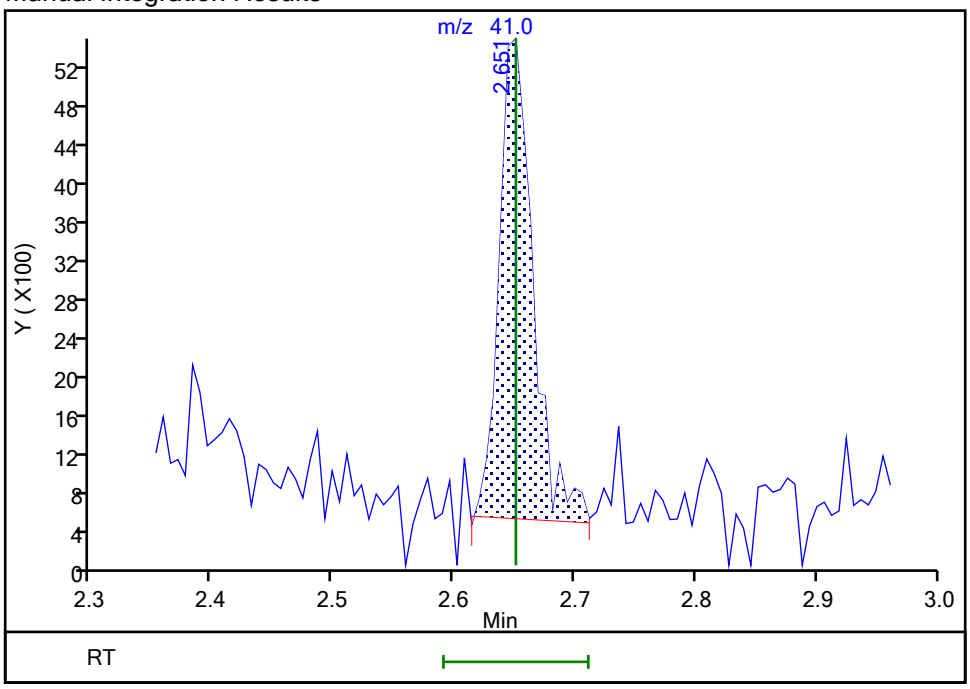
Processing Integration Results

RT: 2.65
Area: 12912
Amount: 0.619542
Amount Units: ug/L



Manual Integration Results

RT: 2.65
Area: 9571
Amount: 0.478408
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:02:06
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

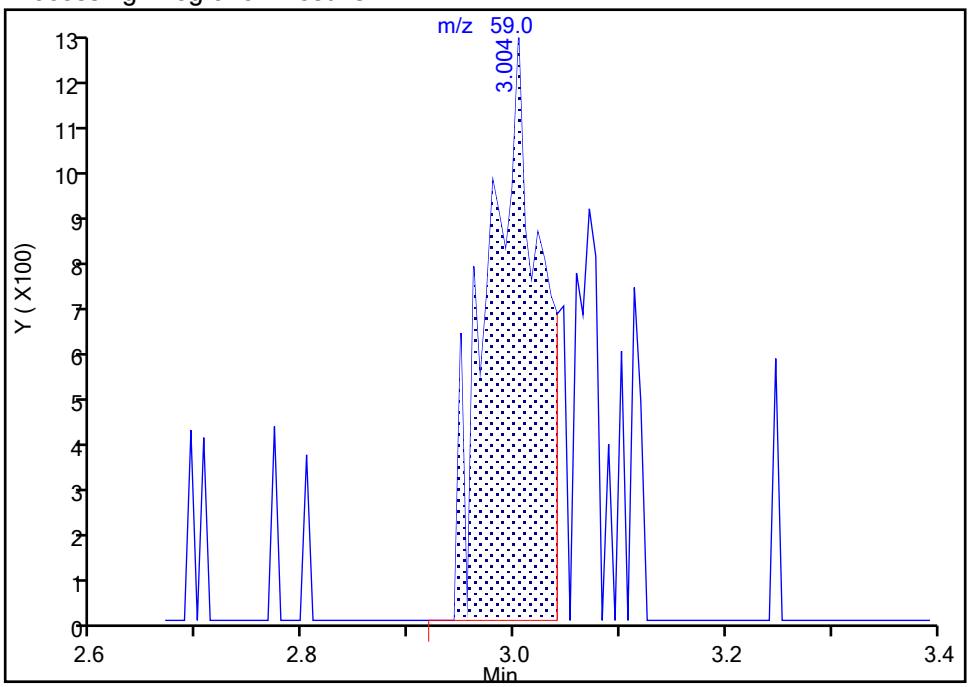
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3499.D
Injection Date: 14-Sep-2021 17:37:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: wd ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

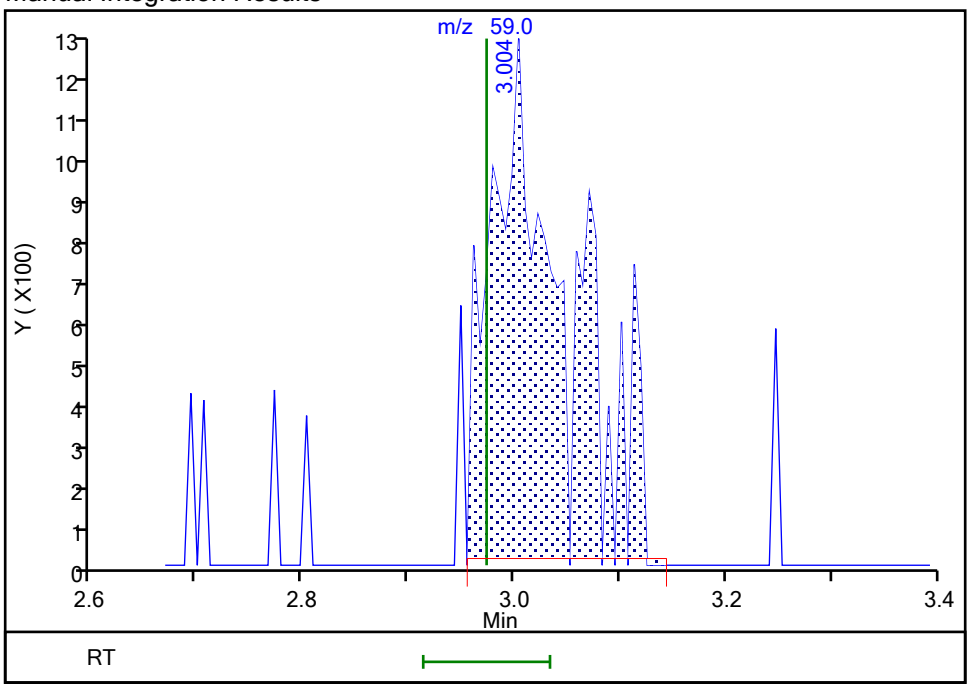
Processing Integration Results

RT: 3.00
Area: 4352
Amount: 2.974108
Amount Units: ug/L



Manual Integration Results

RT: 3.00
Area: 6092
Amount: 3.811950
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:02:23
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

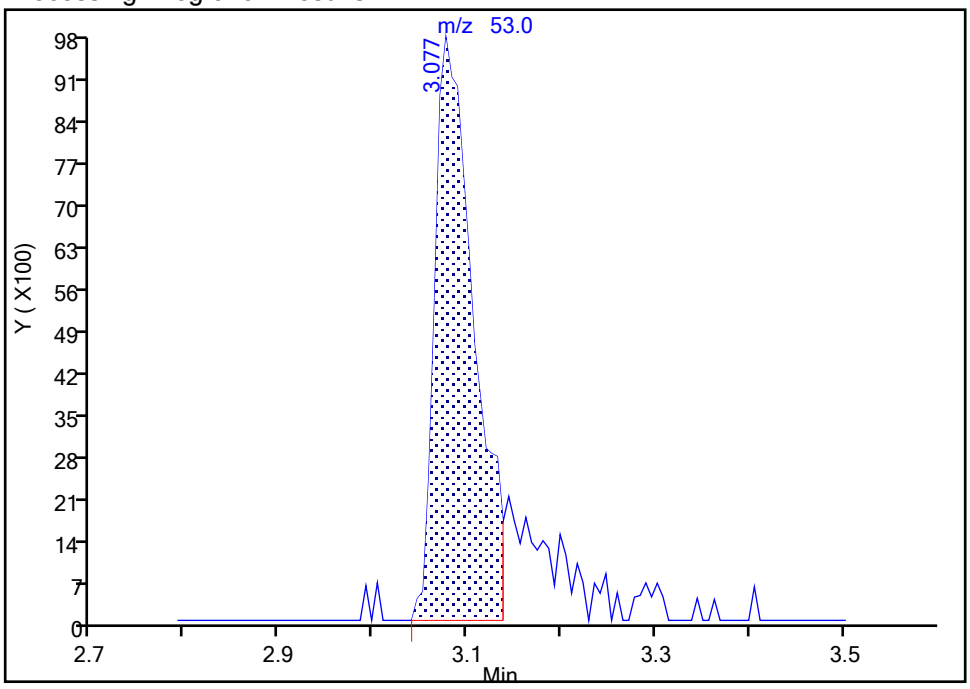
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3499.D
Injection Date: 14-Sep-2021 17:37:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: wd ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

33 Acrylonitrile, CAS: 107-13-1

Signal: 1

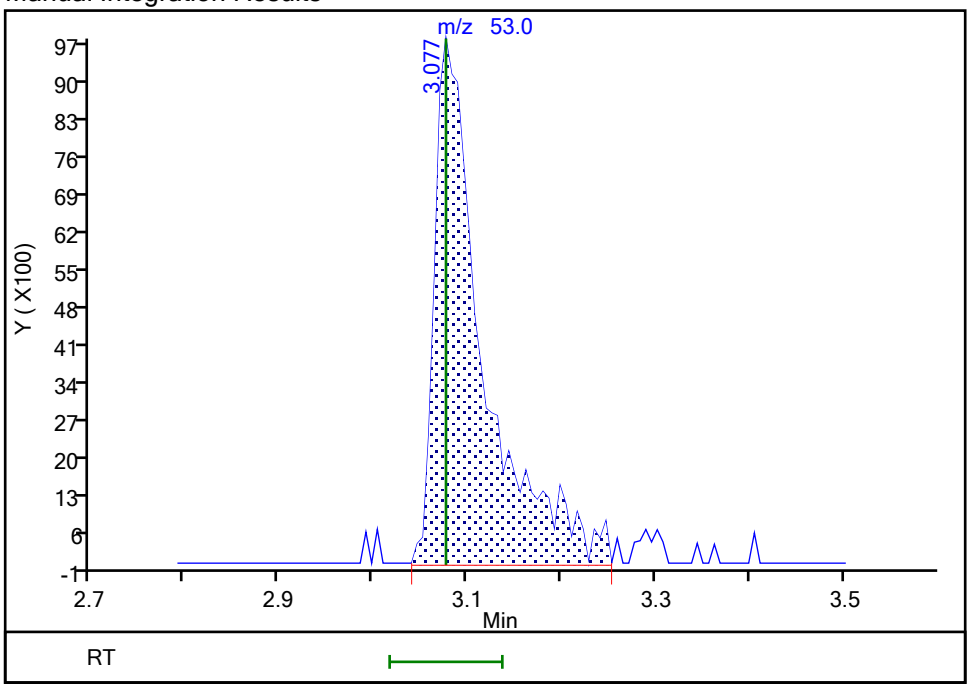
Processing Integration Results

RT: 3.08
Area: 28342
Amount: 4.244311
Amount Units: ug/L



Manual Integration Results

RT: 3.08
Area: 35733
Amount: 5.104843
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:02:39
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

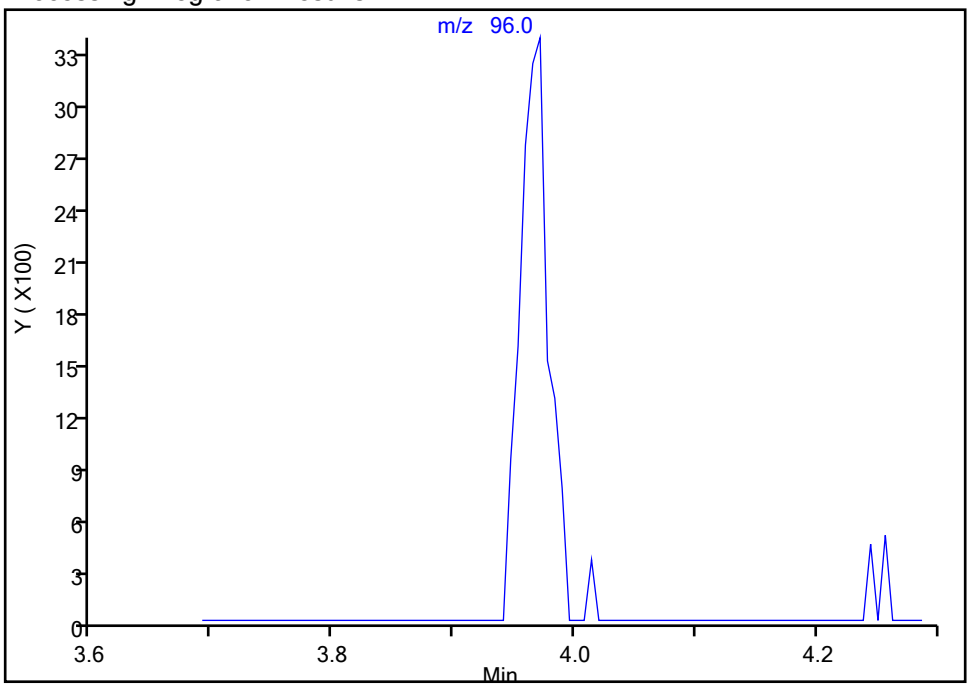
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3499.D				
Injection Date:	14-Sep-2021 17:37:30	Instrument ID:	HP5973S		
Lims ID:	IC 0.5				
Client ID:					
Operator ID:	wd	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

45 cis-1,2-Dichloroethene, CAS: 156-59-2

Signal: 1

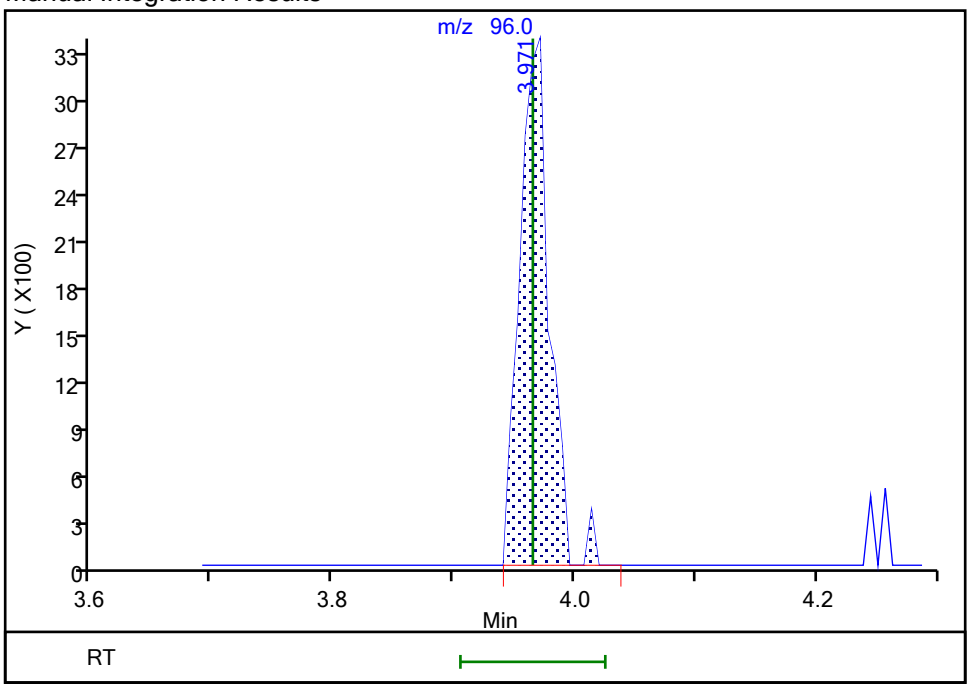
Not Detected
Expected RT: 3.97

Processing Integration Results



Manual Integration Results

RT: 3.97
Area: 5803
Amount: 0.469499
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:02:50
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

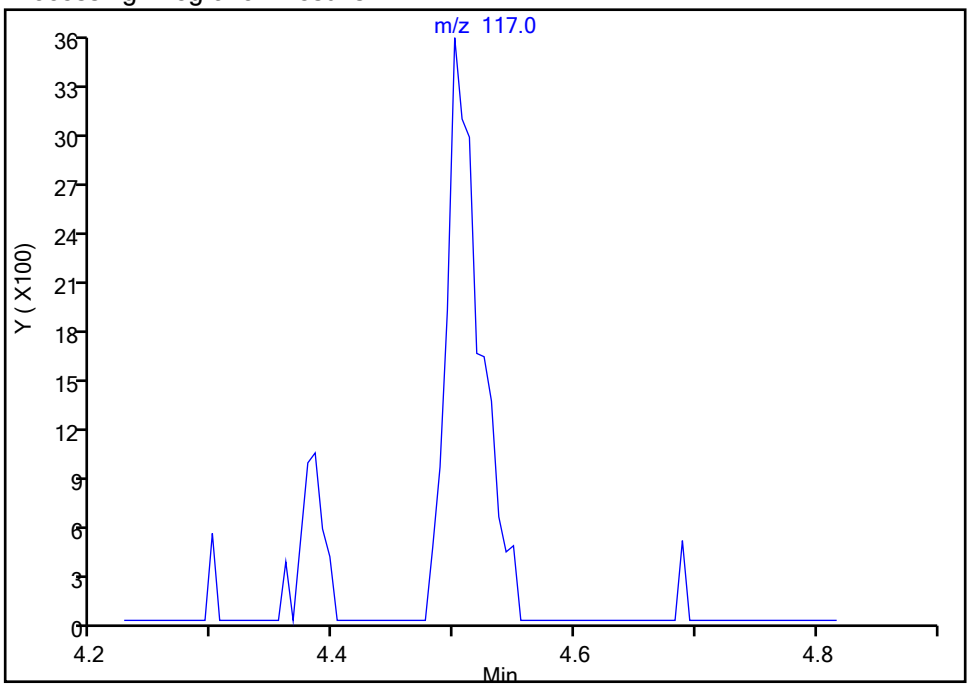
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3499.D
Injection Date: 14-Sep-2021 17:37:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: wd ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

55 Carbon tetrachloride, CAS: 56-23-5

Signal: 1

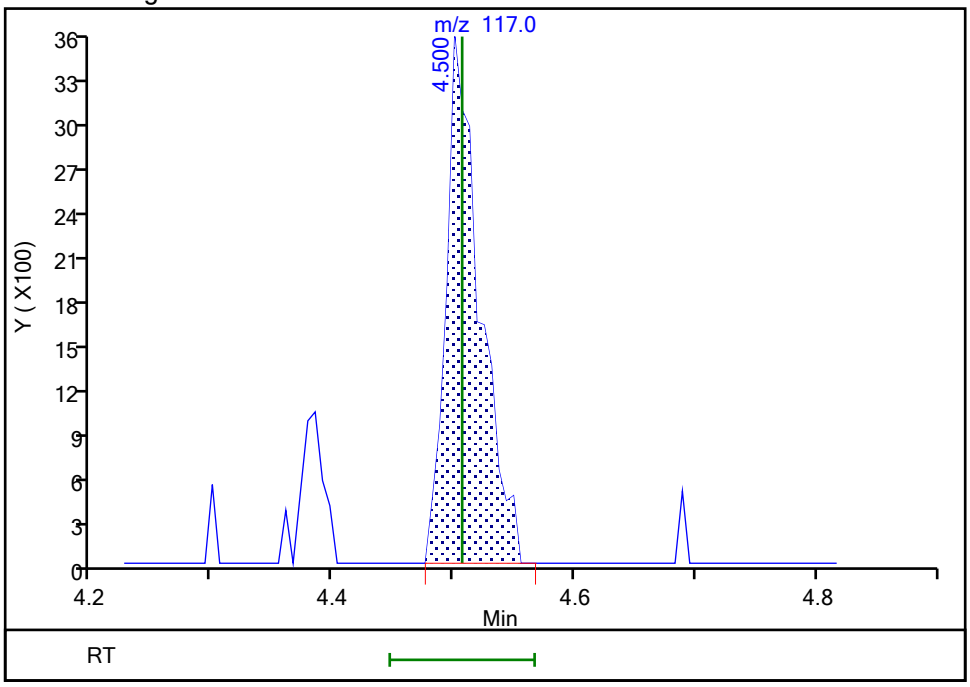
Not Detected
Expected RT: 4.51

Processing Integration Results



Manual Integration Results

RT: 4.50
Area: 6824
Amount: 0.473807
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:03:07
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

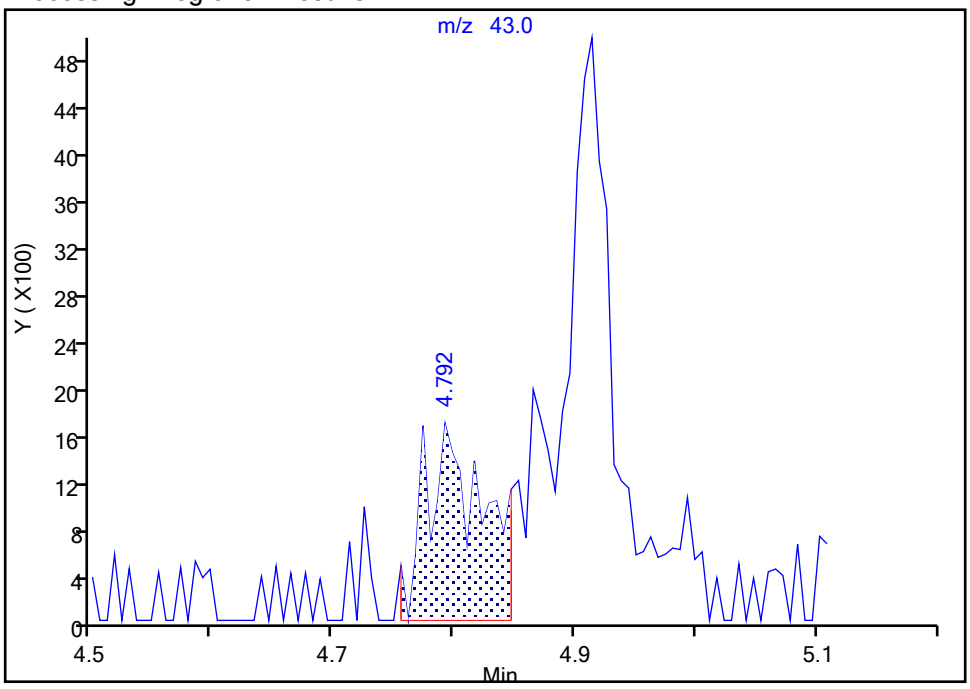
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3499.D
Injection Date: 14-Sep-2021 17:37:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: wd ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

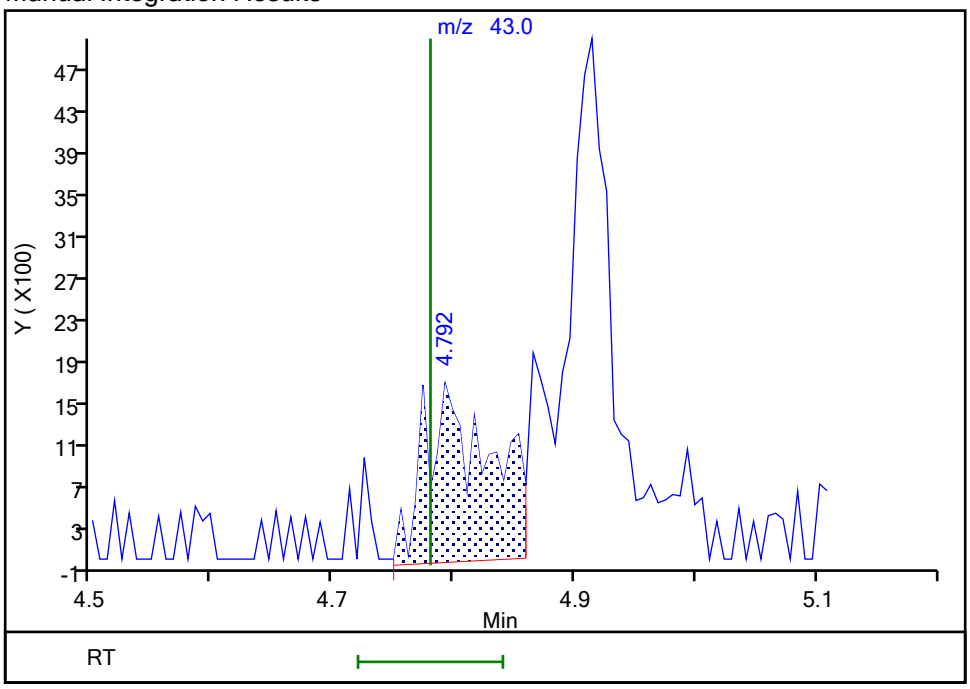
Processing Integration Results

RT: 4.79
Area: 5555
Amount: 10.459212
Amount Units: ug/L



Manual Integration Results

RT: 4.79
Area: 6411
Amount: 11.723614
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:03:47
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

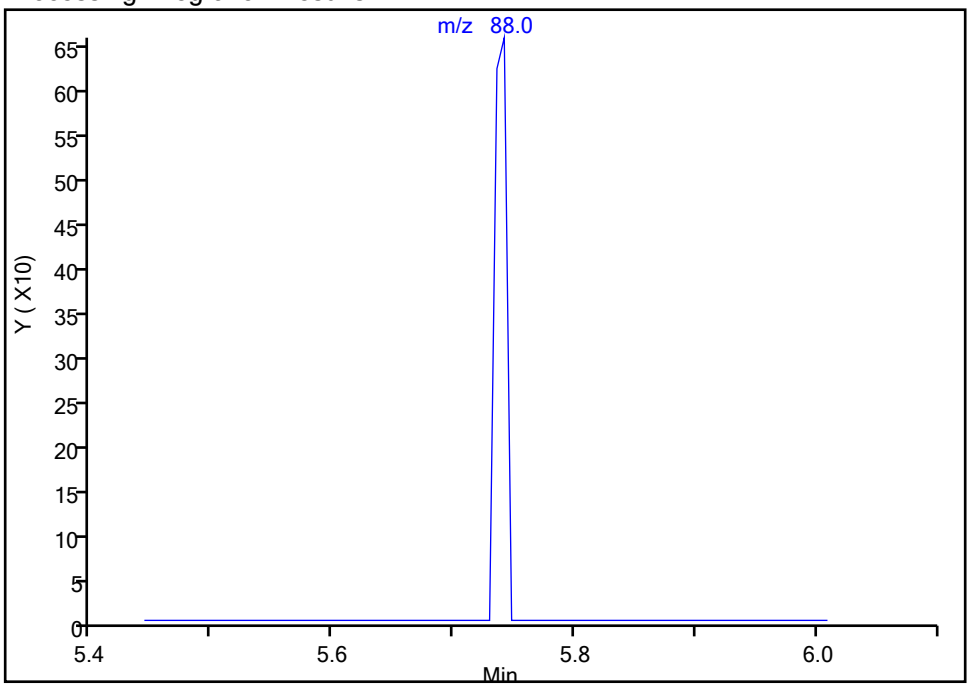
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3499.D
Injection Date: 14-Sep-2021 17:37:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: wd ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

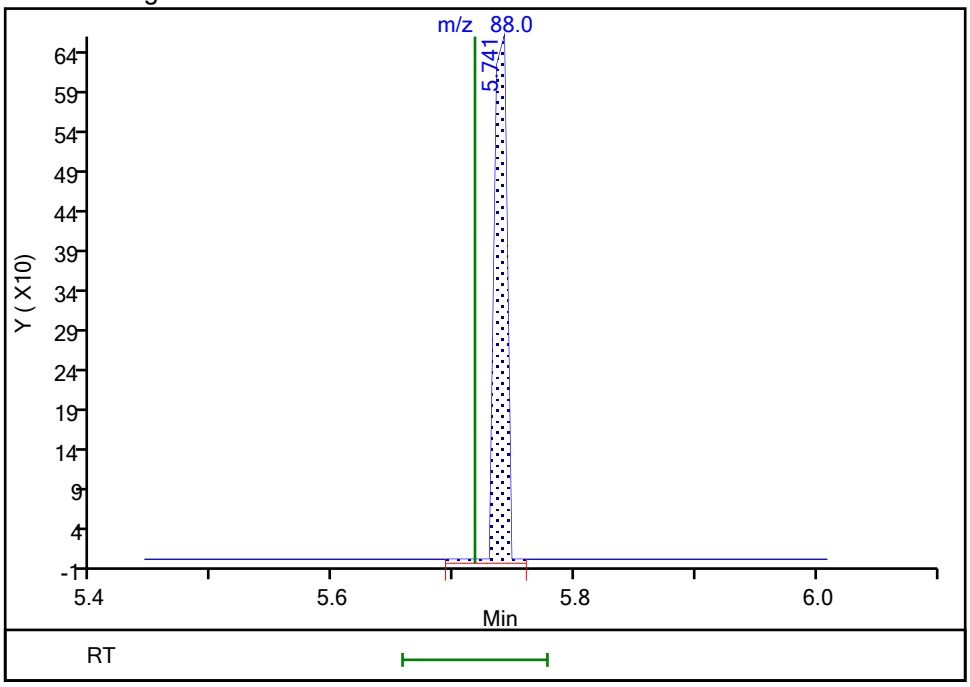
Not Detected
Expected RT: 5.72

Processing Integration Results



Manual Integration Results

RT: 5.74
Area: 490
Amount: 10.425523
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:04:00
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

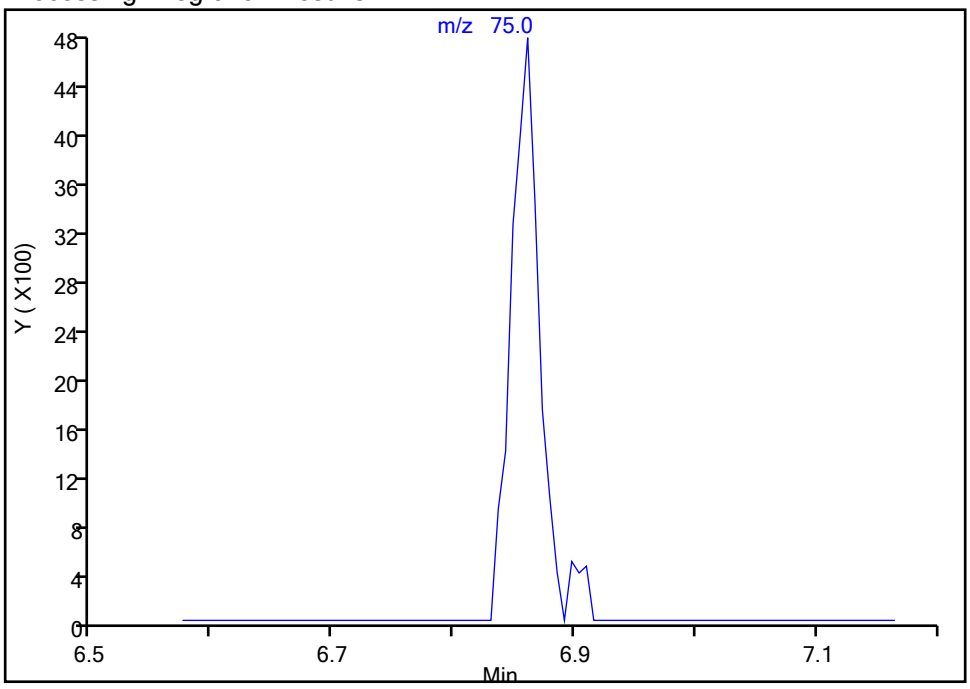
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3499.D
Injection Date: 14-Sep-2021 17:37:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: wd ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

77 trans-1,3-Dichloropropene, CAS: 10061-02-6

Signal: 1

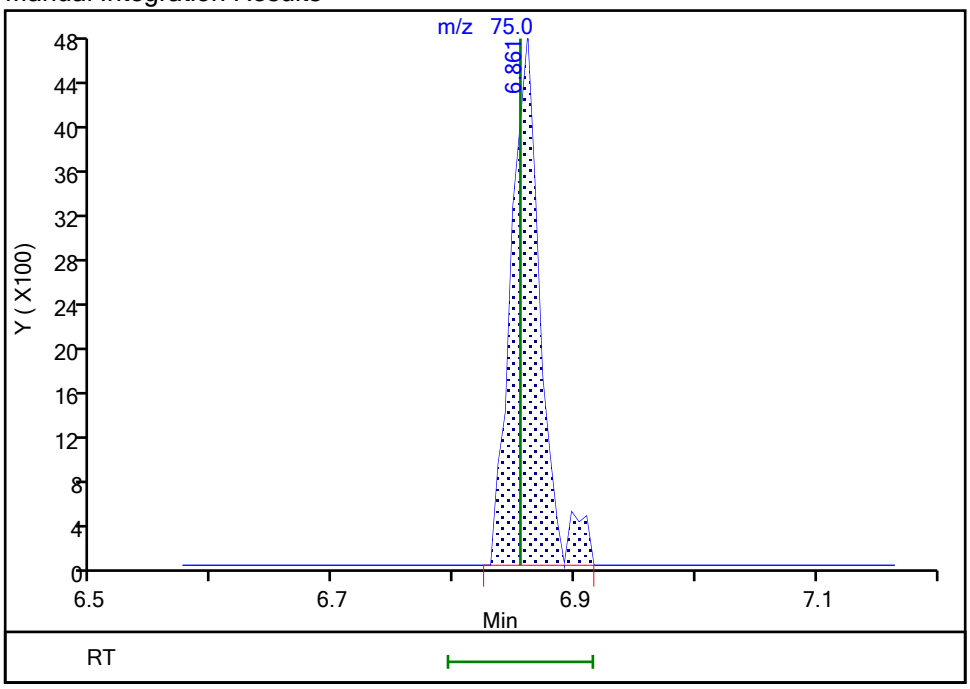
Not Detected
Expected RT: 6.85

Processing Integration Results



RT: 6.86
Area: 7975
Amount: 0.484383
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 15-Sep-2021 10:04:10
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

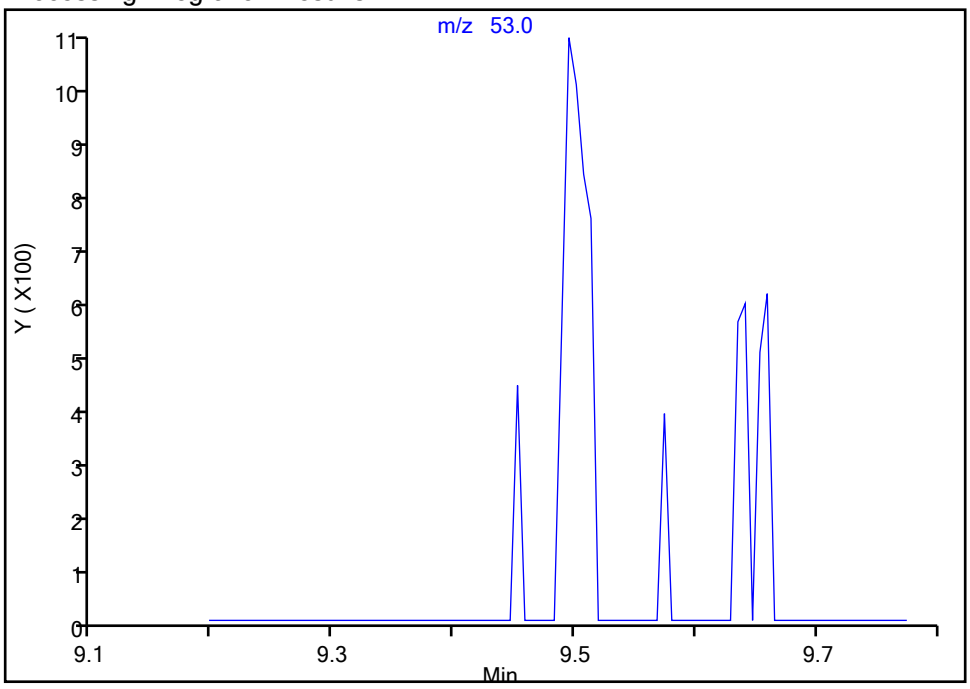
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3499.D
Injection Date: 14-Sep-2021 17:37:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: wd ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

98 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

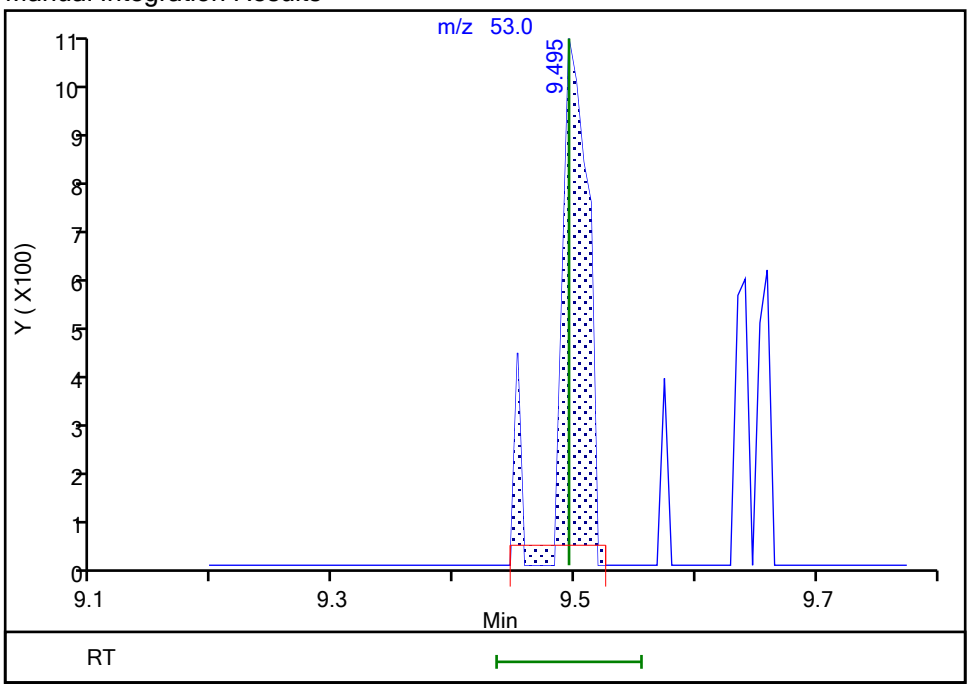
Not Detected
Expected RT: 9.50

Processing Integration Results



Manual Integration Results

RT: 9.50
Area: 1440
Amount: 0.813156
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:04:40
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3500.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 14-Sep-2021 18:00:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0100971-005
Operator ID: wd Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Sep-2021 10:50:12 Calib Date: 15-Sep-2021 00:35:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3517.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: HillL Date: 15-Sep-2021 10:08:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.999	0.000	98	159409	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.968	7.962	0.006	86	339179	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.395	10.395	0.000	92	344522	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.433	4.434	-0.001	58	212834	25.0	24.8	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.731	4.732	-0.001	99	142925	25.0	25.7	
$ 5 Toluene-d8 (Surr)	98	6.496	6.496	0.000	91	847396	25.0	24.7	
$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.221	0.000	91	282213	25.0	24.6	
10 Dichlorodifluoromethane	85	1.094	1.088	0.006	71	13763	1.00	1.21	M
12 Chloromethane	50	1.246	1.246	0.000	69	17453	1.00	1.16	M
13 Vinyl chloride	62	1.331	1.319	0.012	37	15649	1.00	1.15	
151 Butadiene	54	1.331	1.325	0.006	79	20046	1.00	1.25	M
14 Bromomethane	94	1.586	1.586	0.000	76	11587	1.00	1.27	
15 Chloroethane	64	1.653	1.647	0.006	69	12246	1.00	1.29	M
16 Dichlorofluoromethane	67	1.854	1.848	0.006	66	25450	1.00	1.30	
17 Trichlorofluoromethane	101	1.860	1.860	0.000	69	19118	1.00	1.14	
18 Ethyl ether	59	2.091	2.091	0.000	72	12966	1.00	1.13	
20 Acrolein	56	2.268	2.274	-0.006	0	3866	5.00	4.67	M
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.292	2.292	0.000	45	6790	1.00	0.7505	
22 1,1-Dichloroethene	96	2.310	2.304	0.006	85	8901	1.00	0.9179	
23 Acetone	43	2.414	2.420	-0.006	91	26222	5.00	5.34	M
25 Iodomethane	142	2.468	2.462	0.006	85	16506	1.00	0.9519	
26 Carbon disulfide	76	2.499	2.499	0.000	57	29529	1.00	0.9477	
28 3-Chloro-1-propene	41	2.651	2.651	0.000	77	19534	1.00	1.02	
27 Methyl acetate	43	2.706	2.700	0.006	87	34824	2.00	2.70	
30 Methylene Chloride	84	2.809	2.803	0.006	75	18217	1.00	0.9763	M
31 2-Methyl-2-propanol	59	3.040	2.973	0.067	0	16766	10.0	11.0	M
32 Methyl tert-butyl ether	73	2.998	2.998	0.000	89	35346	1.00	1.01	
34 trans-1,2-Dichloroethene	96	3.010	3.010	0.000	79	11639	1.00	1.07	
33 Acrylonitrile	53	3.083	3.077	0.006	98	71916	10.0	10.8	M
35 Hexane	57	3.192	3.199	-0.007	75	14614	1.00	0.8819	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.417	3.418	-0.001	46	19021	1.00	0.9493	
37 Vinyl acetate	43	3.484	3.478	0.006	94	52625	2.00	1.99	
44 2,2-Dichloropropane	77	3.935	3.923	0.012	65	9229	1.00	0.9066	
45 cis-1,2-Dichloroethene	96	3.965	3.965	0.000	51	12256	1.00	1.04	
43 2-Butanone (MEK)	43	4.014	4.008	0.006	96	39368	5.00	5.26	
48 Chlorobromomethane	128	4.190	4.196	-0.006	77	6077	1.00	0.9592	
49 Tetrahydrofuran	42	4.214	4.208	0.006	86	14243	2.00	2.56	M
50 Chloroform	83	4.281	4.275	0.006	69	21006	1.00	1.06	
51 1,1,1-Trichloroethane	97	4.373	4.373	0.000	69	13154	1.00	0.8386	
52 Cyclohexane	56	4.385	4.379	0.006	73	16584	1.00	0.8112	
55 Carbon tetrachloride	117	4.512	4.507	0.005	64	11649	1.00	0.8463	a
54 1,1-Dichloropropene	75	4.531	4.525	0.006	63	12118	1.00	0.8801	
57 Benzene	78	4.731	4.726	0.005	45	42070	1.00	0.9875	
53 Isobutyl alcohol	43	4.792	4.780	0.012	31	15080	25.0	28.9	
58 1,2-Dichloroethane	62	4.804	4.805	-0.001	22	16704	1.00	1.03	
59 n-Heptane	43	4.920	4.914	0.006	80	15417	1.00	0.8195	
62 Trichloroethene	95	5.334	5.334	0.000	68	9604	1.00	0.9422	
64 Methylcyclohexane	83	5.449	5.443	0.006	79	15744	1.00	0.8460	
65 1,2-Dichloropropane	63	5.577	5.577	0.000	71	11770	1.00	1.09	
67 Dibromomethane	93	5.711	5.711	0.000	71	7285	1.00	1.08	
66 1,4-Dioxane	88	5.741	5.717	0.024	36	1555	20.0	17.6	
68 Dichlorobromomethane	83	5.875	5.869	0.006	69	12398	1.00	1.00	
69 2-Chloroethyl vinyl ether	63	6.161	6.155	0.006	62	7622	1.00	1.02	
72 cis-1,3-Dichloropropene	75	6.283	6.283	0.000	55	15038	1.00	0.9367	
73 4-Methyl-2-pentanone (MIBK)	43	6.435	6.435	0.000	97	86343	5.00	5.04	
74 Toluene	92	6.563	6.557	0.006	80	27366	1.00	1.00	
77 trans-1,3-Dichloropropene	75	6.855	6.855	0.000	76	14862	1.00	0.9393	
75 Ethyl methacrylate	69	6.909	6.903	0.006	44	12020	1.00	0.8804	
79 1,1,2-Trichloroethane	83	7.043	7.037	0.006	75	8484	1.00	1.00	
81 Tetrachloroethene	166	7.086	7.080	0.006	75	10310	1.00	0.8646	
82 1,3-Dichloropropane	76	7.195	7.195	0.000	81	18490	1.00	1.06	
80 2-Hexanone	43	7.274	7.275	-0.001	95	59331	5.00	5.16	
83 Chlorodibromomethane	129	7.420	7.427	-0.007	49	8552	1.00	0.8568	
84 Ethylene Dibromide	107	7.524	7.518	0.006	72	9938	1.00	0.9373	
87 Chlorobenzene	112	7.992	7.992	0.000	80	28913	1.00	0.9234	
88 Ethylbenzene	91	8.090	8.090	0.000	90	46851	1.00	0.9081	
89 1,1,1,2-Tetrachloroethane	131	8.096	8.096	0.000	31	10897	1.00	0.9620	
90 m-Xylene & p-Xylene	106	8.217	8.211	0.006	92	19060	1.00	0.9109	
91 o-Xylene	106	8.631	8.631	0.000	90	18572	1.00	0.8976	
92 Styrene	104	8.668	8.668	0.000	67	33330	1.00	0.9802	
95 Bromoform	173	8.911	8.911	0.000	75	5908	1.00	0.8510	
94 Isopropylbenzene	105	9.020	9.021	-0.001	88	46169	1.00	0.8821	
101 Bromobenzene	156	9.373	9.367	0.006	77	12894	1.00	0.9654	
97 1,1,2,2-Tetrachloroethane	83	9.452	9.452	0.000	47	14660	1.00	1.02	
99 N-Propylbenzene	91	9.464	9.465	-0.001	95	54651	1.00	0.9329	
100 1,2,3-Trichloropropane	110	9.477	9.477	0.000	44	4615	1.00	0.9286	
98 trans-1,4-Dichloro-2-butene	53	9.495	9.495	0.000	33	3414	1.00	1.22	
103 2-Chlorotoluene	126	9.562	9.562	0.000	85	13643	1.00	1.07	
102 1,3,5-Trimethylbenzene	105	9.653	9.653	0.000	87	40441	1.00	0.9086	
105 4-Chlorotoluene	126	9.684	9.684	0.000	77	11779	1.00	0.9332	
106 tert-Butylbenzene	134	9.982	9.976	0.006	78	8822	1.00	0.8935	
107 1,2,4-Trimethylbenzene	105	10.036	10.037	-0.001	86	41879	1.00	0.9066	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.195	10.195	0.000	70	48653	1.00	0.8836	
111 1,3-Dichlorobenzene	146	10.328	10.329	-0.001	86	24711	1.00	0.9385	
110 4-Isopropyltoluene	119	10.347	10.341	0.006	86	42227	1.00	0.8588	
113 1,4-Dichlorobenzene	146	10.414	10.420	-0.006	53	25939	1.00	0.9626	
115 n-Butylbenzene	91	10.736	10.736	0.000	91	35067	1.00	0.8581	
116 1,2-Dichlorobenzene	146	10.772	10.773	-0.001	84	26933	1.00	1.00	
117 1,2-Dibromo-3-Chloropropane	75	11.521	11.521	0.000	23	2629	1.00	0.8988	
119 1,2,4-Trichlorobenzene	180	12.196	12.196	0.000	80	20781	1.00	1.02	
120 Hexachlorobutadiene	225	12.312	12.312	0.000	48	8364	1.00	0.9689	
121 Naphthalene	128	12.409	12.409	0.000	91	60671	1.00	0.99	
122 1,2,3-Trichlorobenzene	180	12.610	12.610	0.000	86	21204	1.00	1.05	
S 123 Total BTEX	1				0			4.70	
S 126 1,3-Dichloropropene, Total	1				0			1.88	
S 125 1,2-Dichloroethene, Total	1				0			2.10	
S 124 Xylenes, Total	1				0			1.81	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

GAS CORP mix_00472	Amount Added:	1.00	Units: uL	
8260 CORP mix_00214	Amount Added:	1.00	Units: uL	
S_8260_IS_00351	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00398	Amount Added:	1.00	Units: uL	Run Reagent

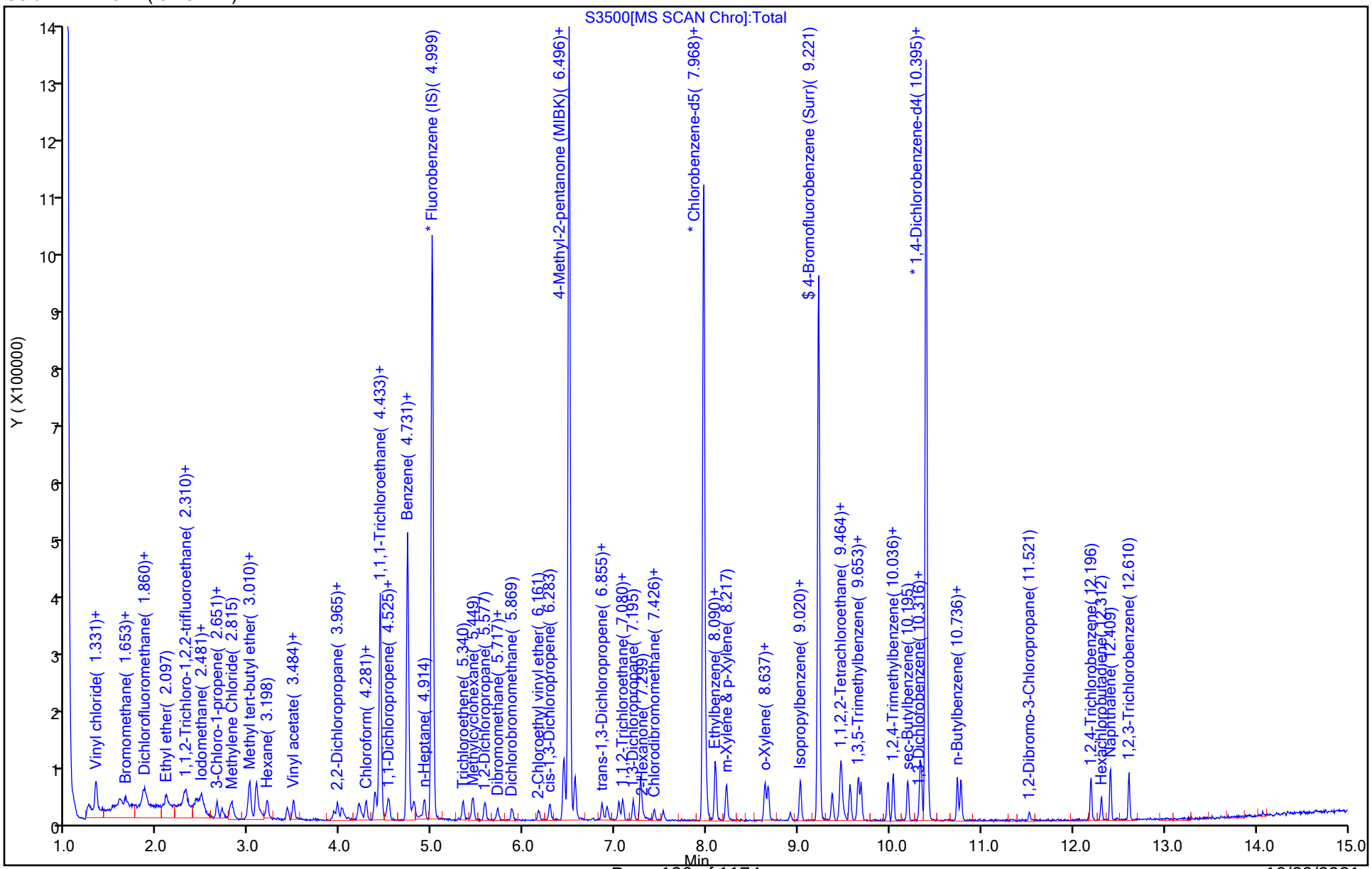
Report Date: 15-Sep-2021 10:50:13 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3500.D

Injection Date:	14-Sep-2021 18:00:30	Instrument ID:	HP5973S	Operator ID:	wd
Lims ID:	IC			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

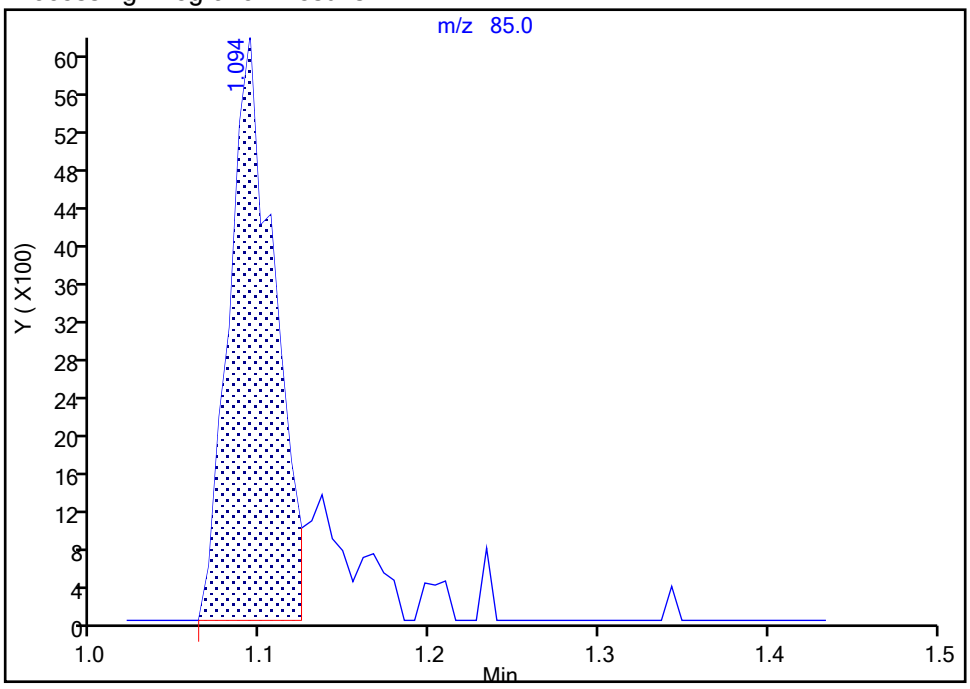
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3500.D
Injection Date: 14-Sep-2021 18:00:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: wd ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

10 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

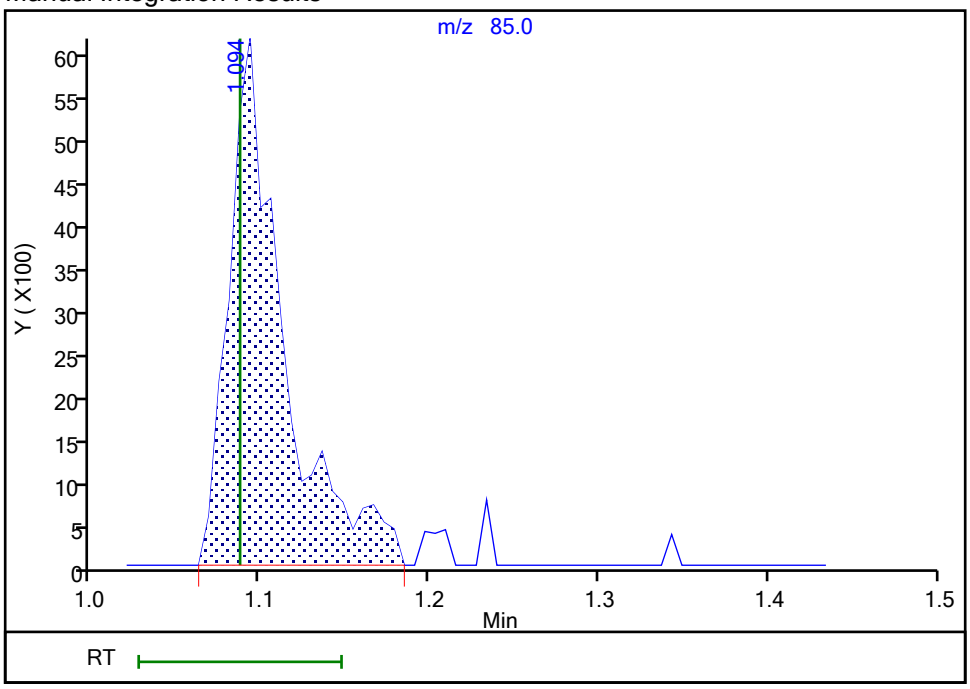
Processing Integration Results

RT: 1.09
Area: 11344
Amount: 1.072896
Amount Units: ug/L



Manual Integration Results

RT: 1.09
Area: 13763
Amount: 1.213186
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:05:27
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

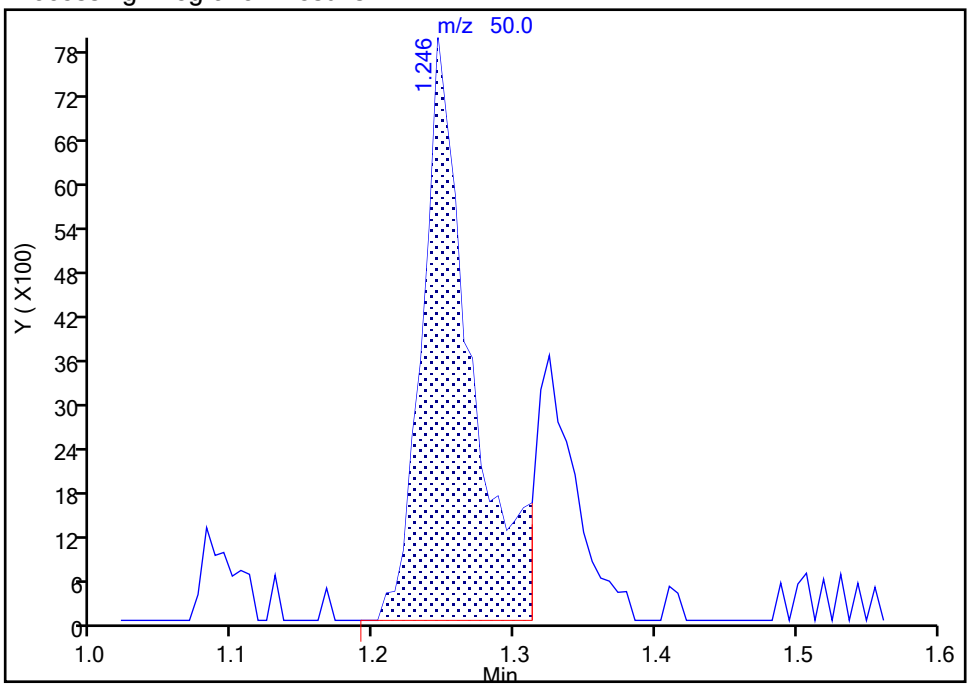
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3500.D
Injection Date: 14-Sep-2021 18:00:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: wd ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

12 Chloromethane, CAS: 74-87-3

Signal: 1

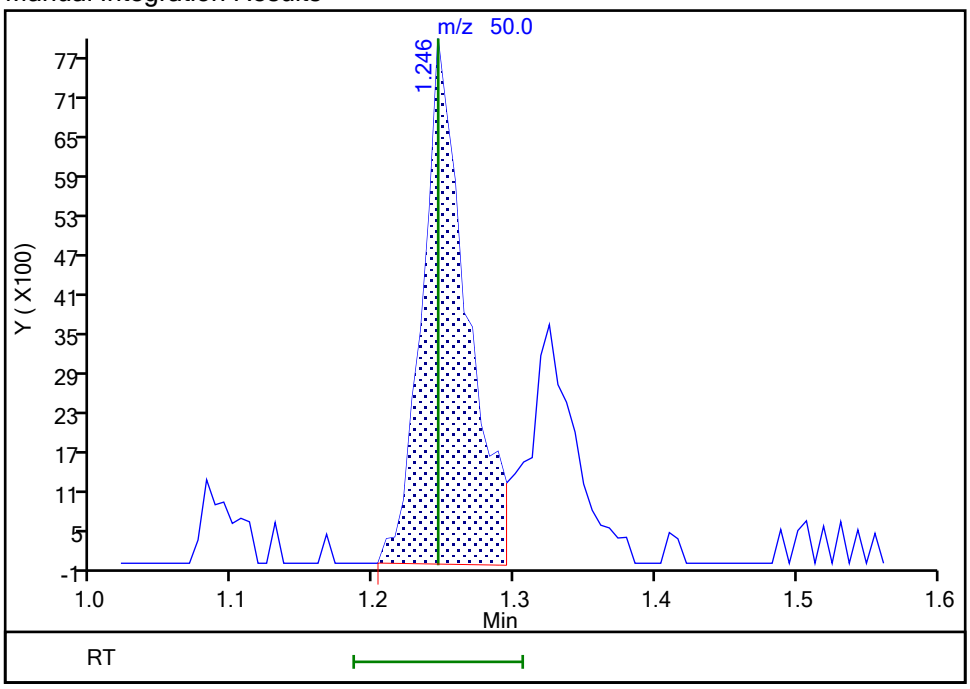
Processing Integration Results

RT: 1.25
Area: 19010
Amount: 1.257143
Amount Units: ug/L



Manual Integration Results

RT: 1.25
Area: 17453
Amount: 1.164398
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:05:37
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

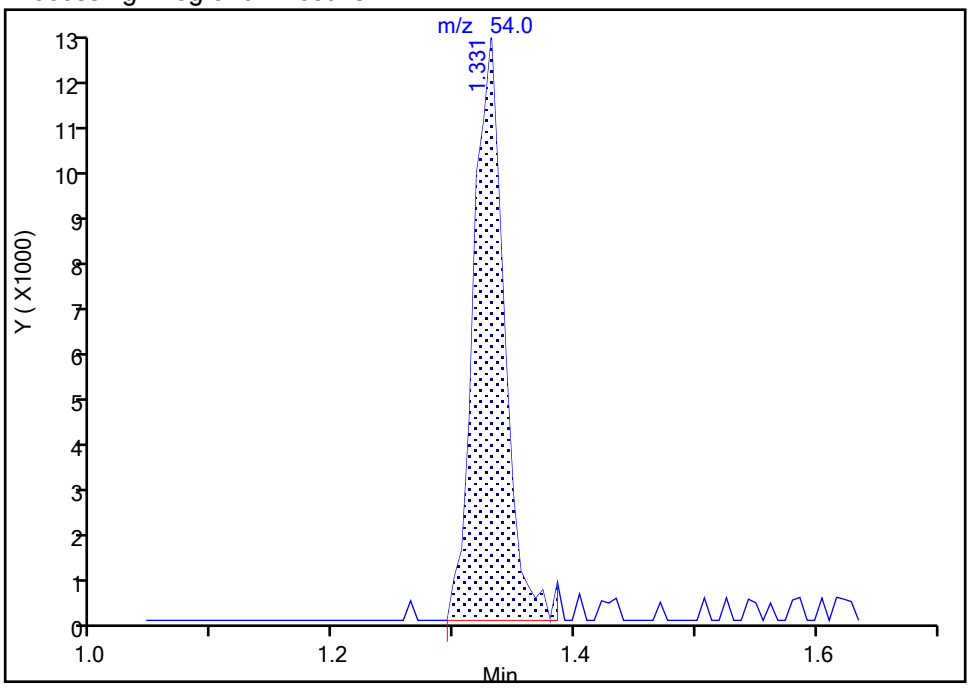
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3500.D
Injection Date: 14-Sep-2021 18:00:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: wd ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

151 Butadiene, CAS: 106-99-0

Signal: 1

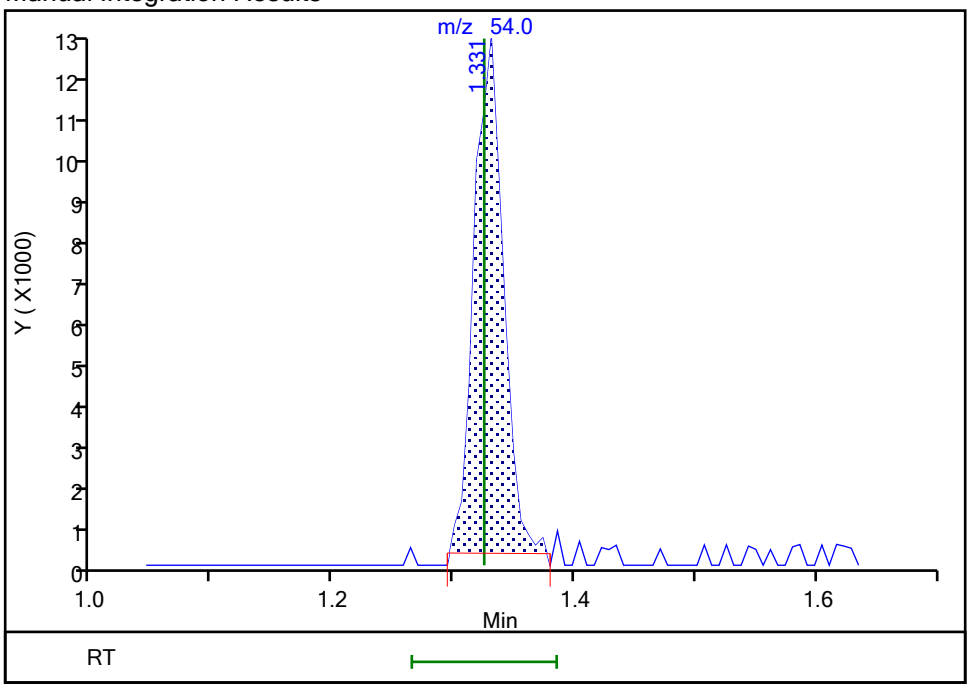
Processing Integration Results

RT: 1.33
Area: 21864
Amount: 1.340360
Amount Units: ug/L



Manual Integration Results

RT: 1.33
Area: 20046
Amount: 1.246271
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:22:12
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

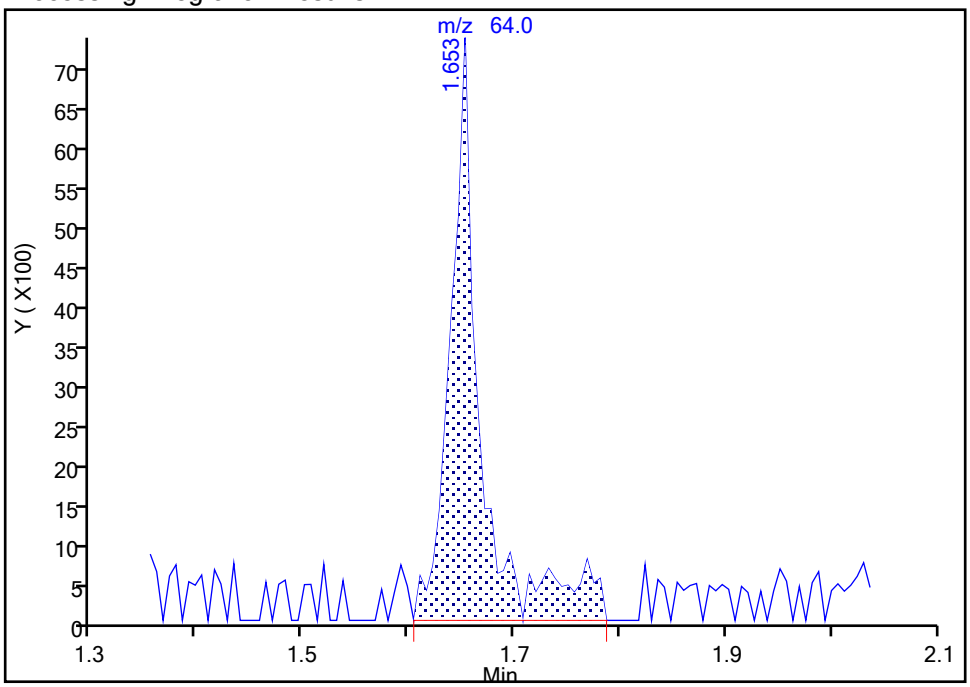
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3500.D
Injection Date: 14-Sep-2021 18:00:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: wd ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

15 Chloroethane, CAS: 75-00-3

Signal: 1

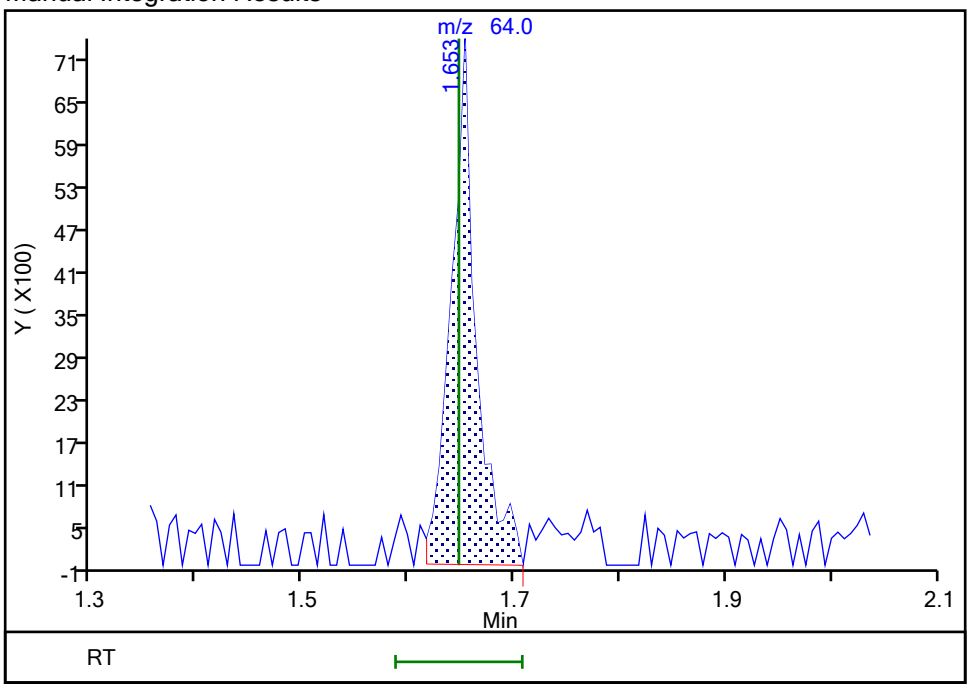
Processing Integration Results

RT: 1.65
Area: 14705
Amount: 1.504391
Amount Units: ug/L



Manual Integration Results

RT: 1.65
Area: 12246
Amount: 1.293499
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:06:00
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

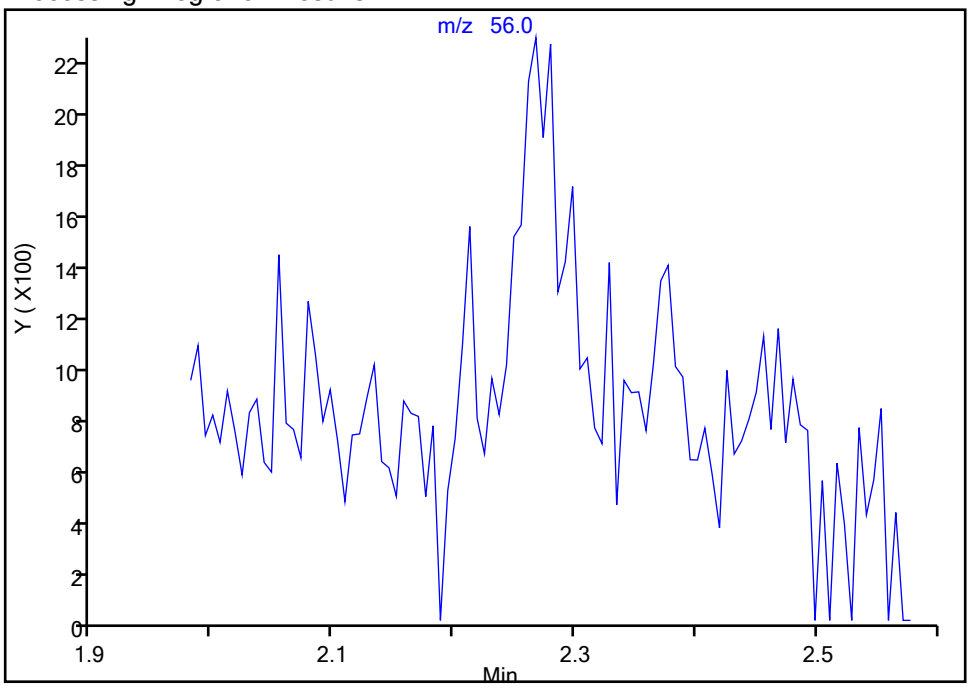
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3500.D
Injection Date: 14-Sep-2021 18:00:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: wd ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

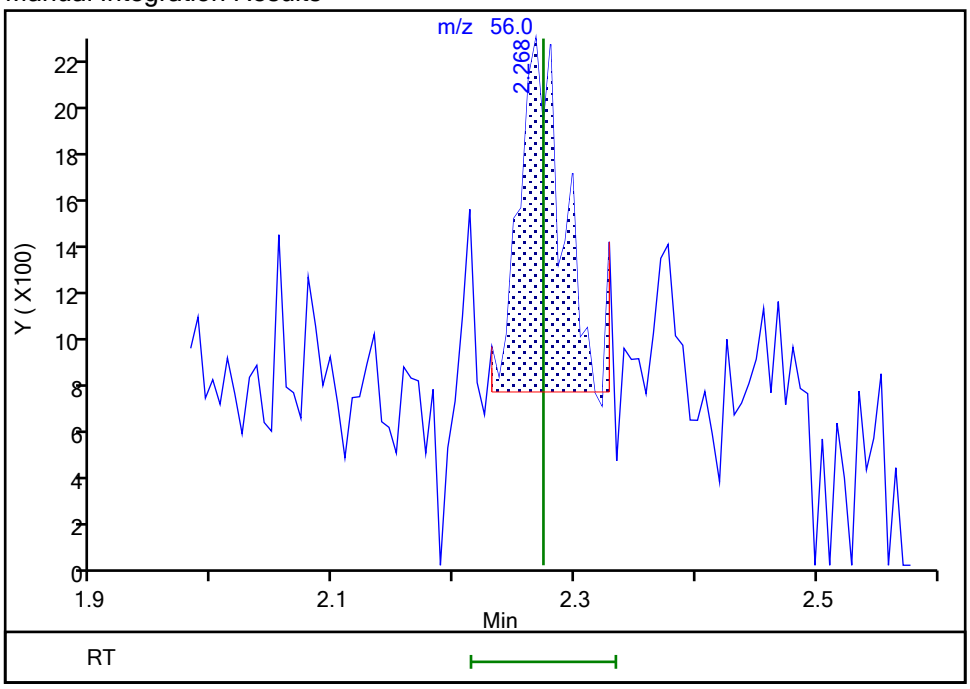
Not Detected
Expected RT: 2.27

Processing Integration Results



Manual Integration Results

RT: 2.27
Area: 3866
Amount: 4.666376
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:06:12
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

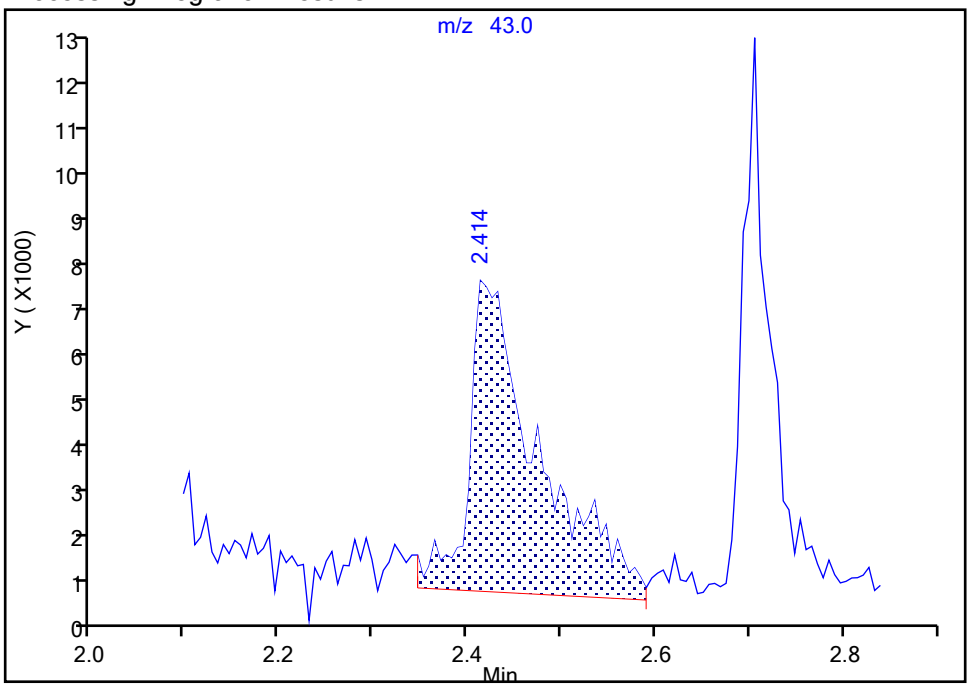
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3500.D
Injection Date: 14-Sep-2021 18:00:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: wd ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

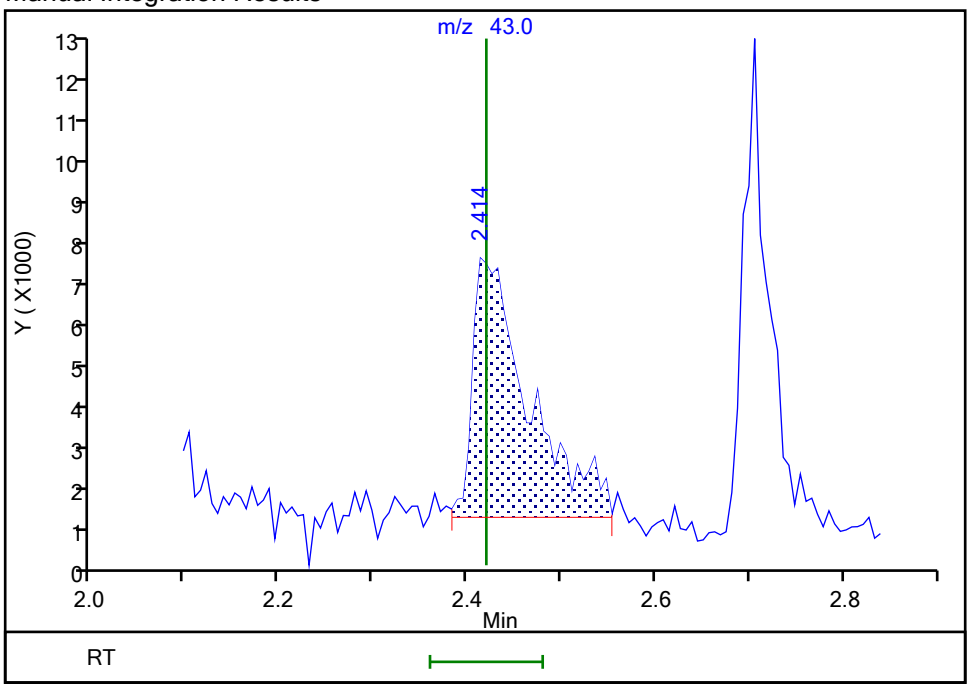
Processing Integration Results

RT: 2.41
Area: 35426
Amount: 6.725680
Amount Units: ug/L



Manual Integration Results

RT: 2.41
Area: 26222
Amount: 5.344782
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:06:35
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

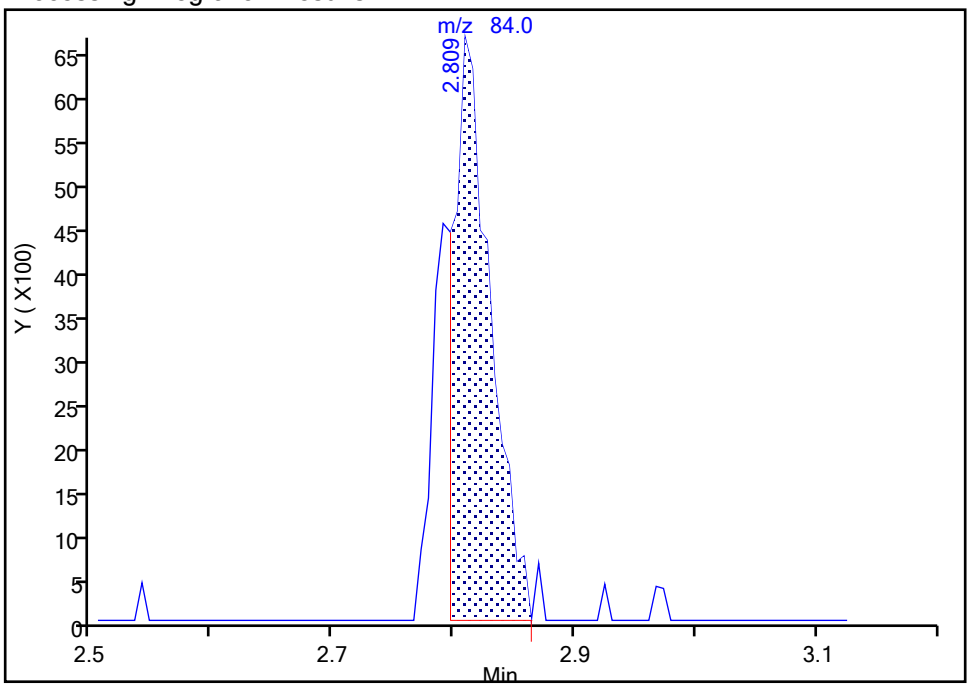
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3500.D
Injection Date: 14-Sep-2021 18:00:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: wd ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

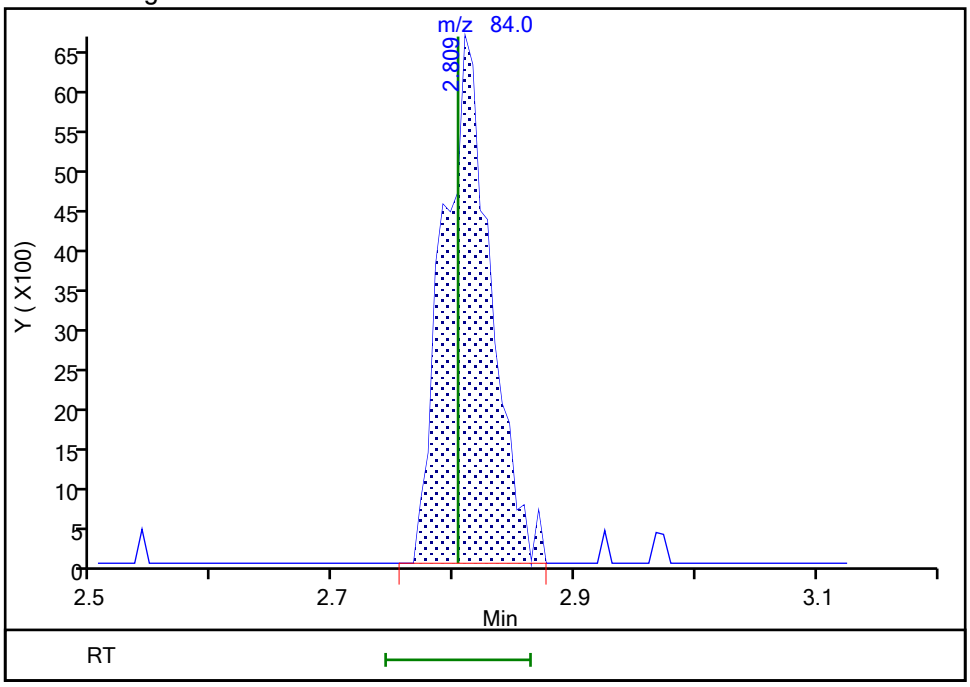
Processing Integration Results

RT: 2.81
Area: 14152
Amount: 0.717290
Amount Units: ug/L



Manual Integration Results

RT: 2.81
Area: 18217
Amount: 0.976341
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:06:48
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

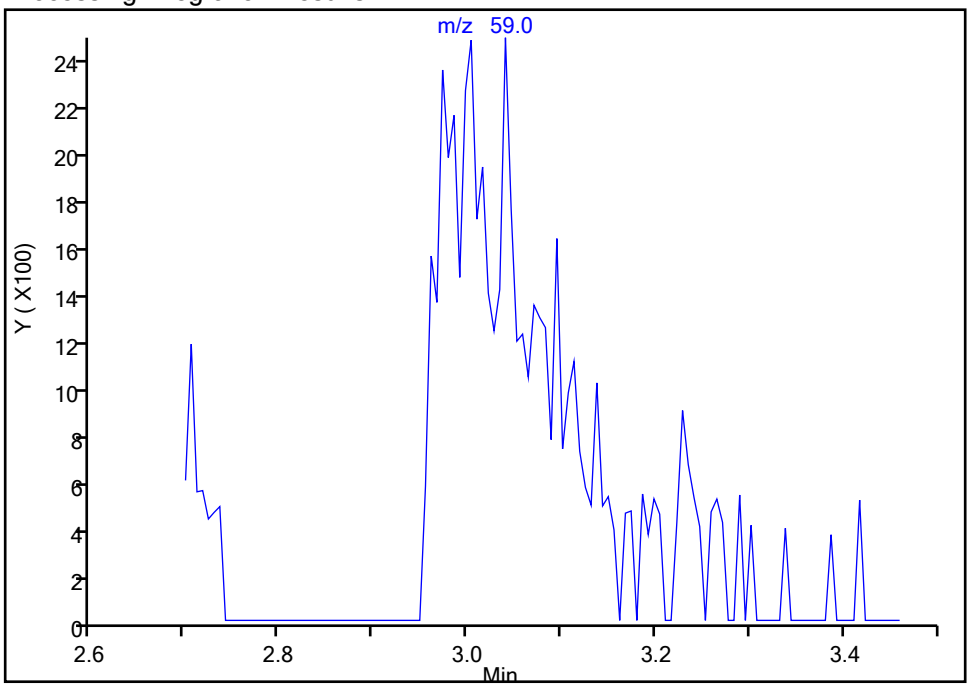
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3500.D
Injection Date: 14-Sep-2021 18:00:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: wd ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

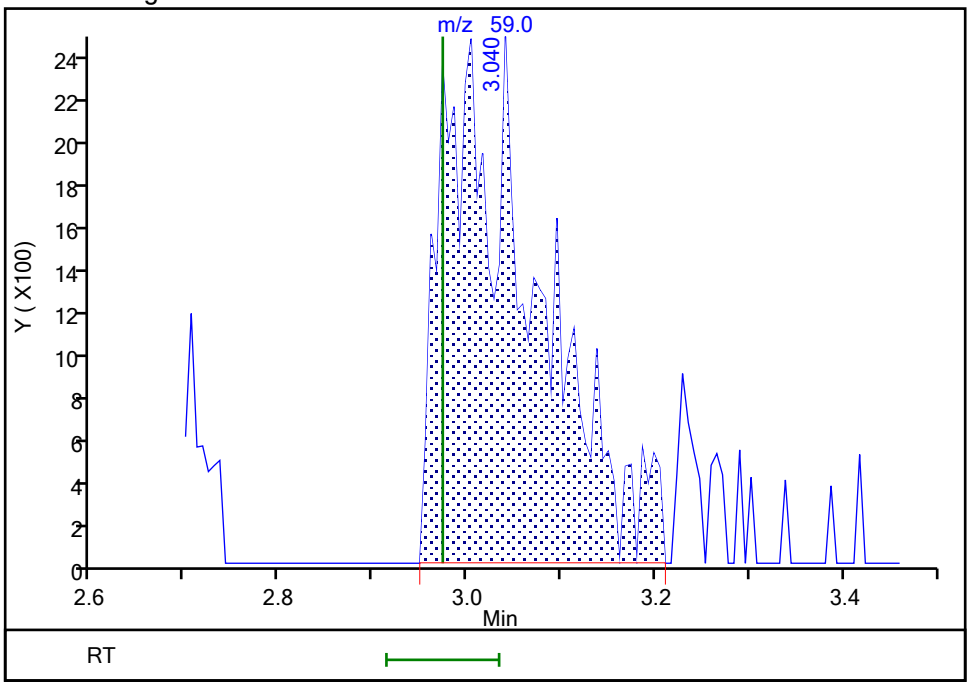
Not Detected
Expected RT: 2.97

Processing Integration Results



Manual Integration Results

RT: 3.04
Area: 16766
Amount: 10.977676
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:06:59
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

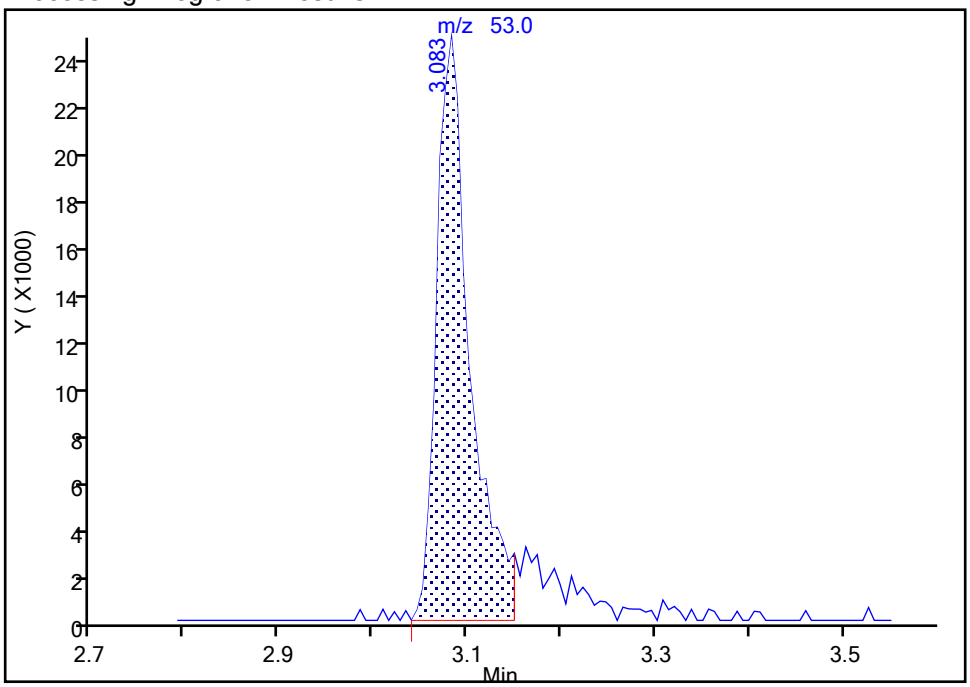
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3500.D
Injection Date: 14-Sep-2021 18:00:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: wd ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

33 Acrylonitrile, CAS: 107-13-1

Signal: 1

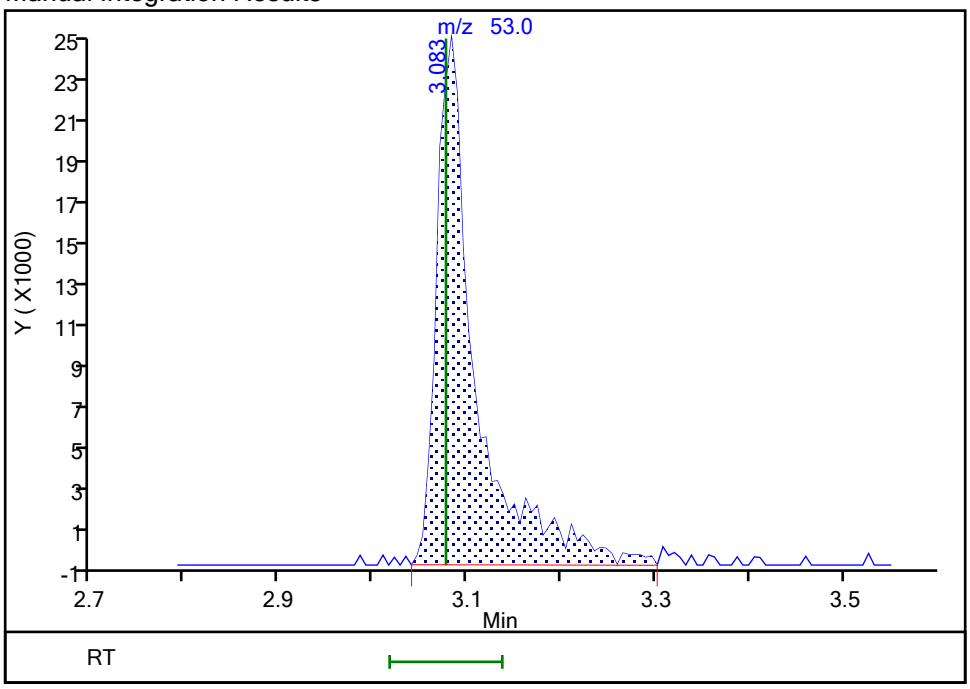
Processing Integration Results

RT: 3.08
Area: 61411
Amount: 9.364024
Amount Units: ug/L



Manual Integration Results

RT: 3.08
Area: 71916
Amount: 10.750584
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:07:12
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

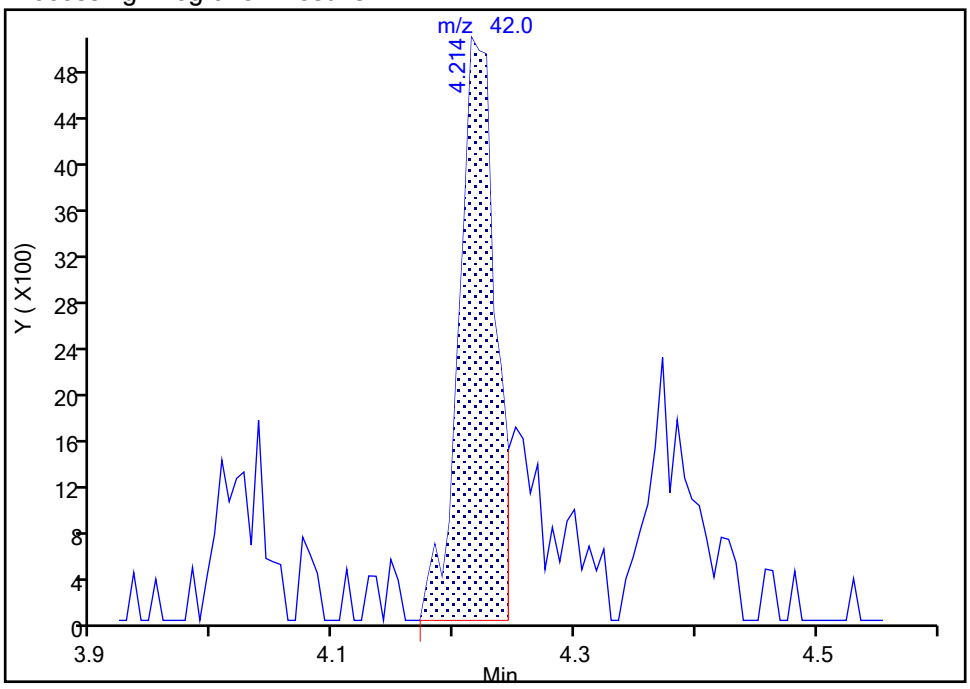
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3500.D
Injection Date: 14-Sep-2021 18:00:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: wd ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

49 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

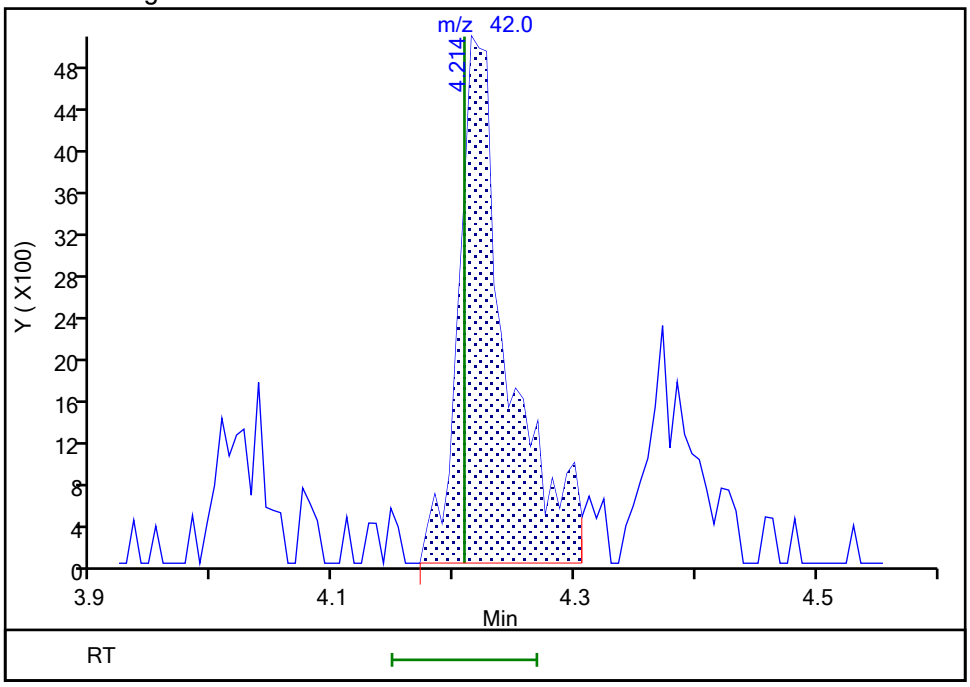
Processing Integration Results

RT: 4.21
Area: 10698
Amount: 1.935999
Amount Units: ug/L



Manual Integration Results

RT: 4.21
Area: 14243
Amount: 2.562173
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:07:28
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

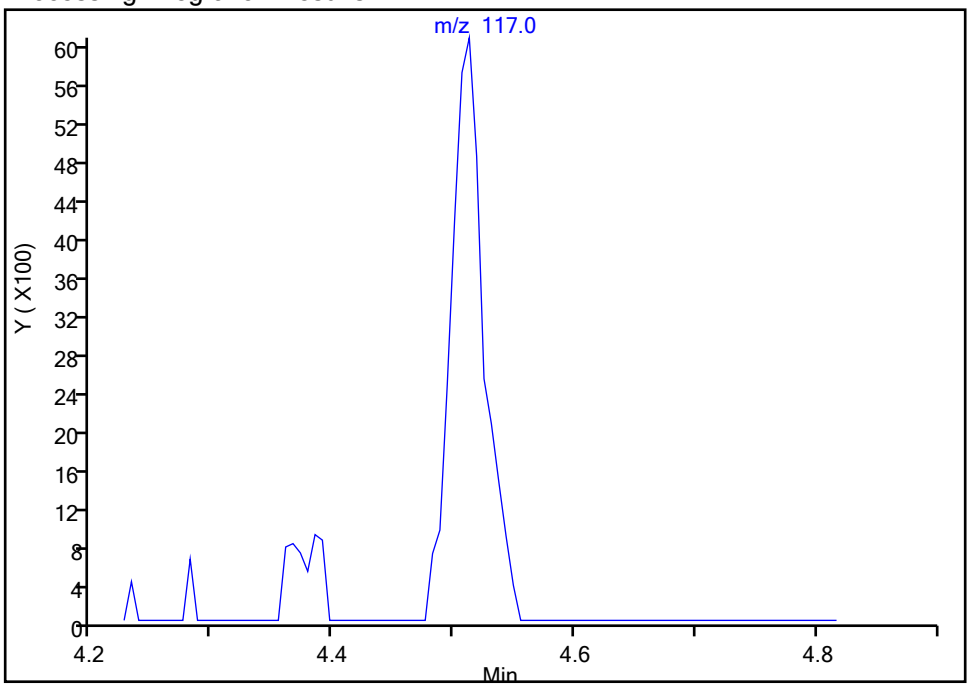
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3500.D
Injection Date: 14-Sep-2021 18:00:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: wd ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

55 Carbon tetrachloride, CAS: 56-23-5

Signal: 1

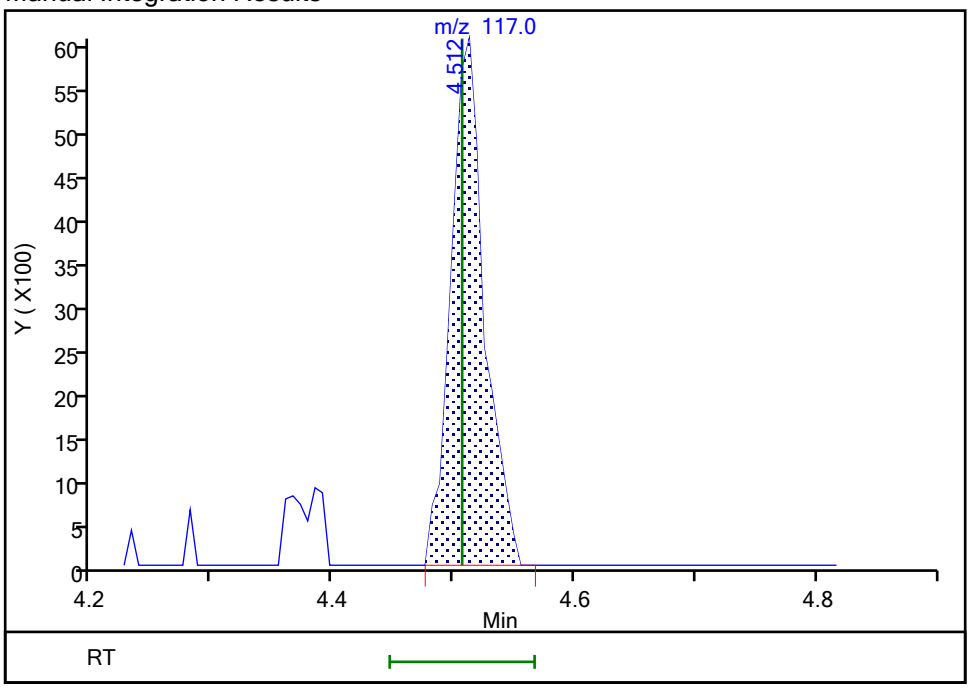
Not Detected
Expected RT: 4.51

Processing Integration Results



Manual Integration Results

RT: 4.51
Area: 11649
Amount: 0.846340
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:07:36
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3501.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 14-Sep-2021 18:24:30 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0100971-006
Operator ID: wd Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Sep-2021 10:50:16 Calib Date: 15-Sep-2021 00:35:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3517.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: HillL Date: 15-Sep-2021 10:15:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.999	0.000	98	151634	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.962	7.962	0.000	84	318378	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.395	10.395	0.000	92	339540	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.433	4.434	-0.001	56	217221	25.0	26.6	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.732	4.732	0.000	93	139607	25.0	26.4	
$ 5 Toluene-d8 (Surr)	98	6.496	6.496	0.000	83	784649	25.0	24.4	
$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.221	0.000	90	270371	25.0	25.1	
10 Dichlorodifluoromethane	85	1.087	1.088	-0.001	87	22907	2.00	2.12	M
12 Chloromethane	50	1.240	1.246	-0.006	78	29708	2.00	2.08	
13 Vinyl chloride	62	1.325	1.319	0.006	43	26366	2.00	2.04	
151 Butadiene	54	1.325	1.325	0.000	73	32946	2.00	2.15	
14 Bromomethane	94	1.586	1.586	0.000	75	19222	2.00	2.21	
15 Chloroethane	64	1.647	1.647	0.000	86	19176	2.00	2.13	
16 Dichlorofluoromethane	67	1.848	1.848	0.000	77	41910	2.00	2.25	
17 Trichlorofluoromethane	101	1.854	1.860	-0.006	65	32967	2.00	2.07	
18 Ethyl ether	59	2.091	2.091	0.000	94	22330	2.00	2.05	
20 Acrolein	56	2.262	2.274	-0.012	65	8758	10.0	11.1	M
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.298	2.292	0.006	62	18476	2.00	2.15	
22 1,1-Dichloroethene	96	2.310	2.304	0.006	80	20158	2.00	2.19	
23 Acetone	43	2.414	2.420	-0.006	0	47804	10.0	10.2	M
25 Iodomethane	142	2.462	2.462	0.000	89	35311	2.00	2.14	
26 Carbon disulfide	76	2.493	2.499	-0.006	96	61224	2.00	2.07	
28 3-Chloro-1-propene	41	2.651	2.651	0.000	86	37253	2.00	2.05	
27 Methyl acetate	43	2.700	2.700	0.000	96	51163	4.00	4.16	
30 Methylene Chloride	84	2.791	2.803	-0.012	87	29543	2.00	2.14	M
31 2-Methyl-2-propanol	59	2.967	2.973	-0.006	70	25212	20.0	17.4	
32 Methyl tert-butyl ether	73	2.992	2.998	-0.006	88	71127	2.00	2.14	
34 trans-1,2-Dichloroethene	96	3.010	3.010	0.000	91	22571	2.00	2.17	
33 Acrylonitrile	53	3.077	3.077	0.000	99	138939	20.0	21.8	
35 Hexane	57	3.198	3.199	-0.001	85	30699	2.00	1.95	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.411	3.418	-0.007	82	41551	2.00	2.18	
37 Vinyl acetate	43	3.478	3.478	0.000	96	94331	4.00	3.75	
44 2,2-Dichloropropane	77	3.922	3.923	-0.001	76	20975	2.00	2.17	
45 cis-1,2-Dichloroethene	96	3.965	3.965	0.000	68	25730	2.00	2.29	
43 2-Butanone (MEK)	43	4.008	4.008	0.000	91	68030	10.0	9.55	
48 Chlorobromomethane	128	4.190	4.196	-0.006	81	13477	2.00	2.24	
49 Tetrahydrofuran	42	4.214	4.208	0.006	80	20774	4.00	3.93	
50 Chloroform	83	4.275	4.275	0.000	92	39328	2.00	2.08	
51 1,1,1-Trichloroethane	97	4.373	4.373	0.000	86	32745	2.00	2.19	
52 Cyclohexane	56	4.379	4.379	0.000	87	40688	2.00	2.09	
55 Carbon tetrachloride	117	4.513	4.507	0.006	66	28345	2.00	2.16	
54 1,1-Dichloropropene	75	4.531	4.525	0.006	82	28245	2.00	2.16	
57 Benzene	78	4.725	4.726	-0.001	56	81864	2.00	2.02	
53 Isobutyl alcohol	43	4.780	4.780	0.000	41	22972	50.0	46.2	
58 1,2-Dichloroethane	62	4.805	4.805	0.000	57	32363	2.00	2.10	
59 n-Heptane	43	4.908	4.914	-0.006	87	34920	2.00	1.95	
62 Trichloroethene	95	5.334	5.334	0.000	75	19554	2.00	2.02	
64 Methylcyclohexane	83	5.437	5.443	-0.006	87	37217	2.00	2.10	
65 1,2-Dichloropropane	63	5.577	5.577	0.000	86	22277	2.00	2.16	
67 Dibromomethane	93	5.711	5.711	0.000	82	13464	2.00	2.10	
66 1,4-Dioxane	88	5.735	5.717	0.018	42	4694	40.0	40.4	M
68 Dichlorobromomethane	83	5.869	5.869	0.000	83	21981	2.00	1.86	
69 2-Chloroethyl vinyl ether	63	6.161	6.155	0.006	80	13348	2.00	1.87	
72 cis-1,3-Dichloropropene	75	6.283	6.283	0.000	70	29536	2.00	1.93	
73 4-Methyl-2-pentanone (MIBK)	43	6.435	6.435	0.000	96	160227	10.0	9.96	
74 Toluene	92	6.563	6.557	0.006	92	48519	2.00	1.88	
77 trans-1,3-Dichloropropene	75	6.855	6.855	0.000	86	28197	2.00	1.90	
75 Ethyl methacrylate	69	6.903	6.903	0.000	78	22331	2.00	1.74	
79 1,1,2-Trichloroethane	83	7.037	7.037	0.000	79	16161	2.00	2.03	
81 Tetrachloroethene	166	7.086	7.080	0.006	69	21636	2.00	1.93	
82 1,3-Dichloropropane	76	7.195	7.195	0.000	88	31865	2.00	1.94	
80 2-Hexanone	43	7.274	7.275	-0.001	96	112889	10.0	10.5	
83 Chlorodibromomethane	129	7.427	7.427	0.000	65	18302	2.00	1.95	
84 Ethylene Dibromide	107	7.524	7.518	0.006	83	18915	2.00	1.90	
87 Chlorobenzene	112	7.992	7.992	0.000	90	58062	2.00	1.98	
88 Ethylbenzene	91	8.090	8.090	0.000	98	95877	2.00	1.98	
89 1,1,1,2-Tetrachloroethane	131	8.096	8.096	0.000	31	20593	2.00	1.94	
90 m-Xylene & p-Xylene	106	8.217	8.211	0.006	98	38959	2.00	1.98	
91 o-Xylene	106	8.631	8.631	0.000	91	39182	2.00	2.02	
92 Styrene	104	8.668	8.668	0.000	89	62233	2.00	1.95	
95 Bromoform	173	8.911	8.911	0.000	72	11836	2.00	1.82	
94 Isopropylbenzene	105	9.020	9.021	-0.001	93	101642	2.00	1.97	
101 Bromobenzene	156	9.367	9.367	0.000	91	25071	2.00	1.90	
97 1,1,2,2-Tetrachloroethane	83	9.452	9.452	0.000	57	27694	2.00	1.96	
99 N-Propylbenzene	91	9.465	9.465	0.000	97	111861	2.00	1.94	
100 1,2,3-Trichloropropane	110	9.477	9.477	0.000	49	9985	2.00	2.04	
98 trans-1,4-Dichloro-2-butene	53	9.501	9.495	0.006	56	7569	2.00	2.08	
103 2-Chlorotoluene	126	9.568	9.562	0.006	93	24070	2.00	1.91	
102 1,3,5-Trimethylbenzene	105	9.653	9.653	0.000	90	85238	2.00	1.94	
105 4-Chlorotoluene	126	9.684	9.684	0.000	77	26029	2.00	2.09	
106 tert-Butylbenzene	134	9.976	9.976	0.000	87	18348	2.00	1.89	
107 1,2,4-Trimethylbenzene	105	10.030	10.037	-0.007	40	88941	2.00	1.95	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.195	10.195	0.000	84	101465	2.00	1.87	
111 1,3-Dichlorobenzene	146	10.328	10.329	-0.001	92	53328	2.00	2.06	
110 4-Isopropyltoluene	119	10.341	10.341	0.000	95	92102	2.00	1.90	
113 1,4-Dichlorobenzene	146	10.414	10.420	-0.006	74	55351	2.00	2.08	
115 n-Butylbenzene	91	10.736	10.736	0.000	91	77322	2.00	1.92	
116 1,2-Dichlorobenzene	146	10.773	10.773	0.000	87	53571	2.00	2.02	
117 1,2-Dibromo-3-Chloropropane	75	11.521	11.521	0.000	33	6106	2.00	2.12	
119 1,2,4-Trichlorobenzene	180	12.196	12.196	0.000	87	39690	2.00	1.98	
120 Hexachlorobutadiene	225	12.312	12.312	0.000	72	15764	2.00	1.85	
121 Naphthalene	128	12.409	12.409	0.000	96	118471	2.00	1.97	
122 1,2,3-Trichlorobenzene	180	12.610	12.610	0.000	91	39629	2.00	2.00	
S 123 Total BTEX	1				0			9.88	
S 126 1,3-Dichloropropene, Total	1				0			3.83	
S 125 1,2-Dichloroethene, Total	1				0			4.46	
S 124 Xylenes, Total	1				0			4.00	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00472	Amount Added:	2.00	Units: uL	
8260 CORP mix_00214	Amount Added:	2.00	Units: uL	
S_8260_IS_00351	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00398	Amount Added:	1.00	Units: uL	Run Reagent

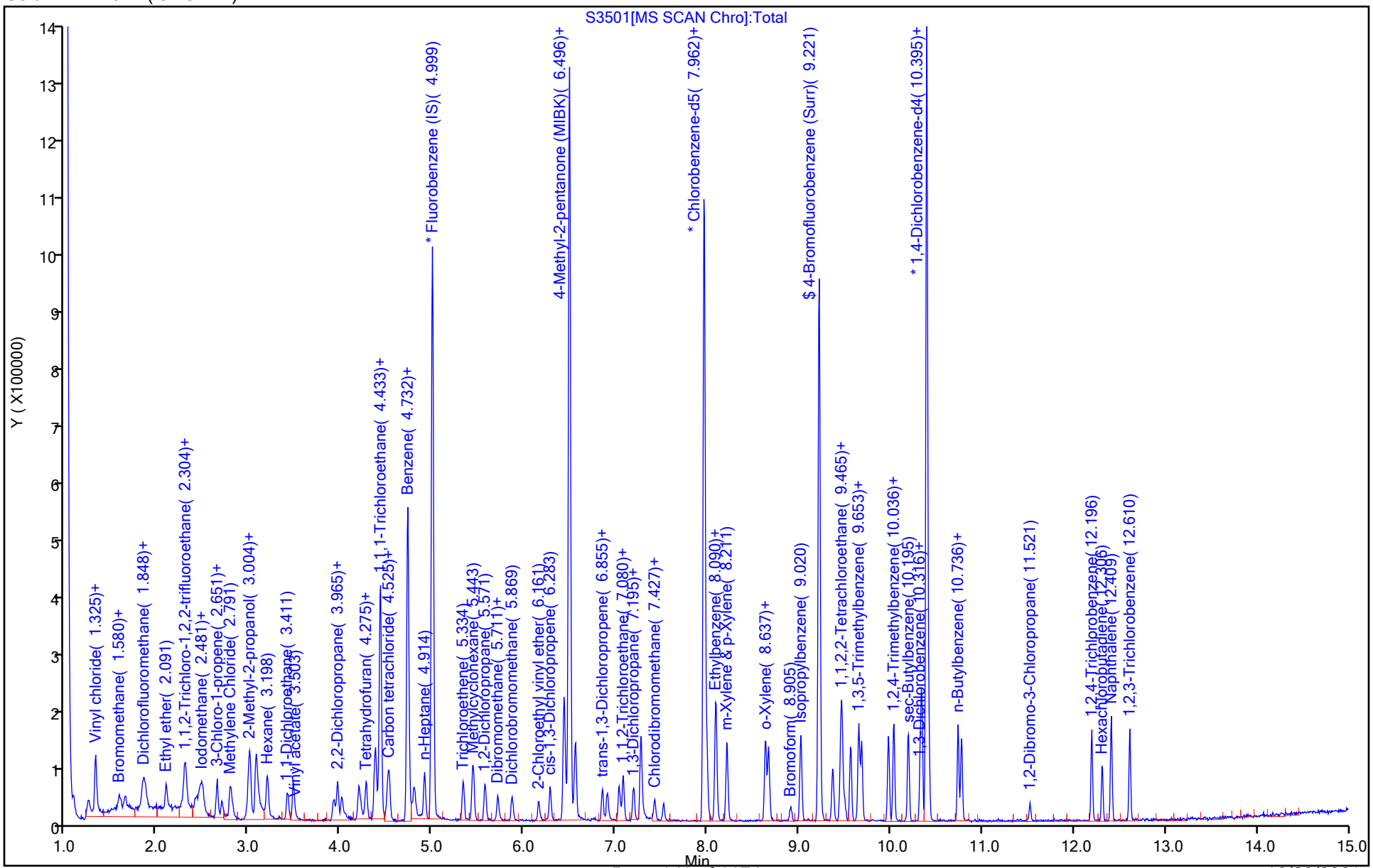
Report Date: 15-Sep-2021 10:50:16 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3501.D

Injection Date:	14-Sep-2021 18:24:30	Instrument ID:	HP5973S	Operator ID:	wd
Lims ID:	IC 2			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

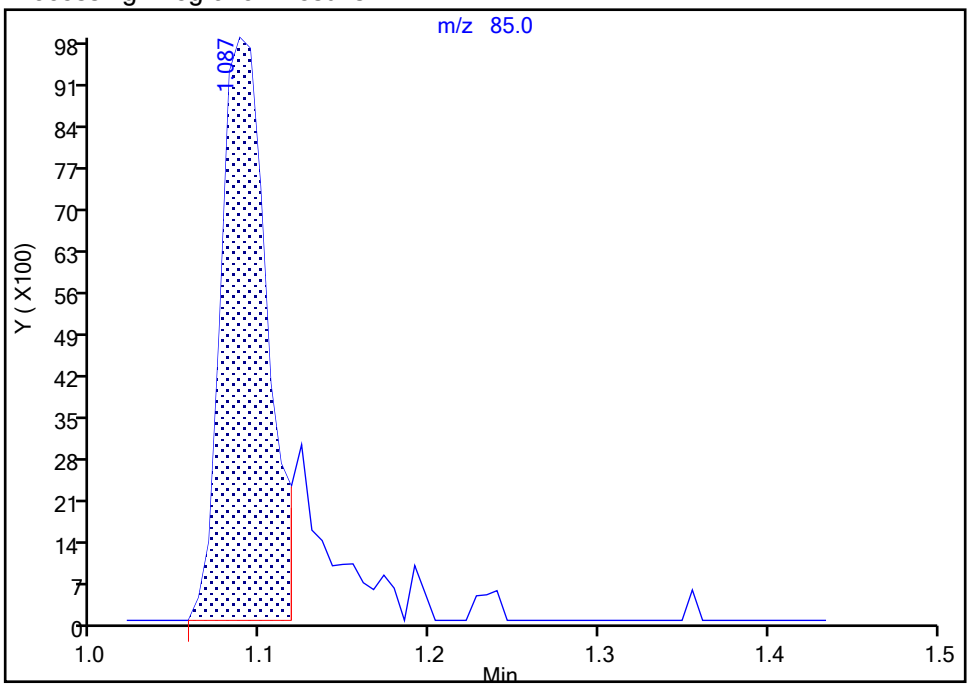
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3501.D
Injection Date: 14-Sep-2021 18:24:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: wd ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

10 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

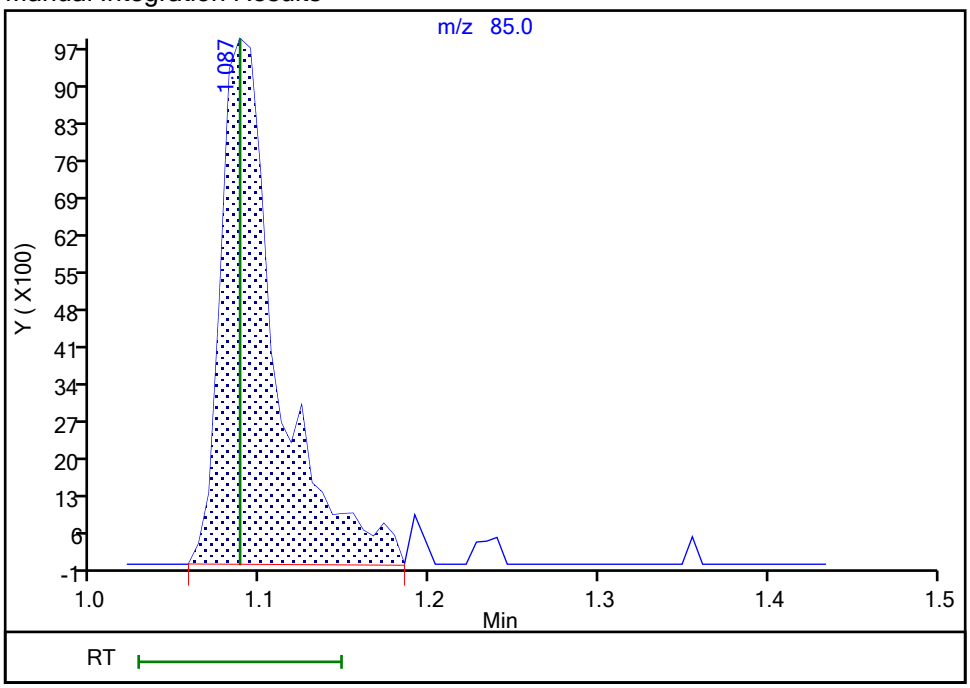
Processing Integration Results

RT: 1.09
Area: 18796
Amount: 1.816885
Amount Units: ug/L



Manual Integration Results

RT: 1.09
Area: 22907
Amount: 2.122750
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:08:55
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

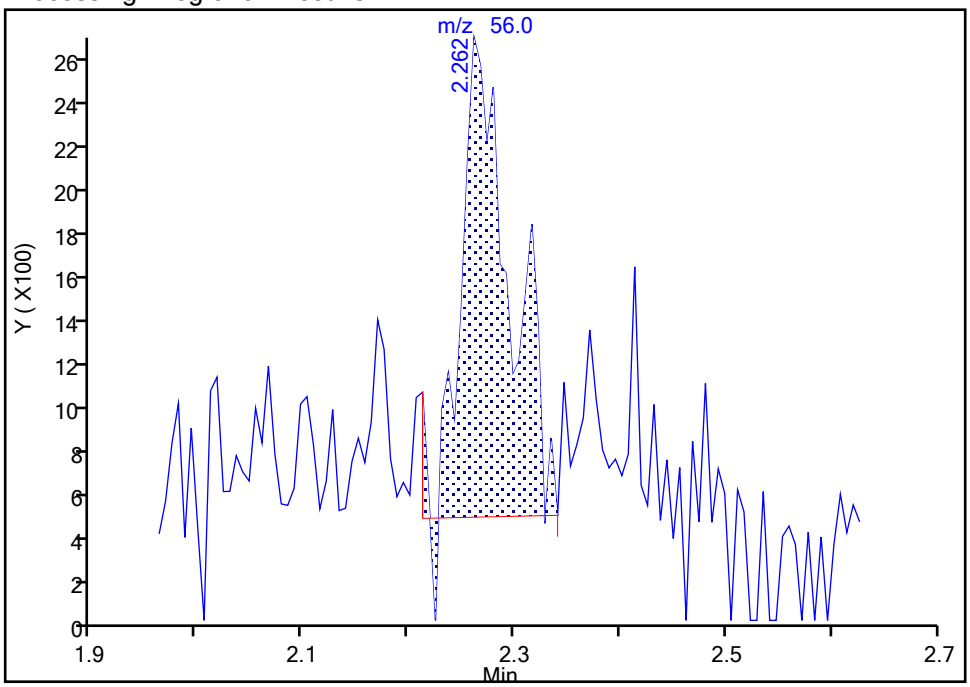
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3501.D
Injection Date: 14-Sep-2021 18:24:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: wd ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

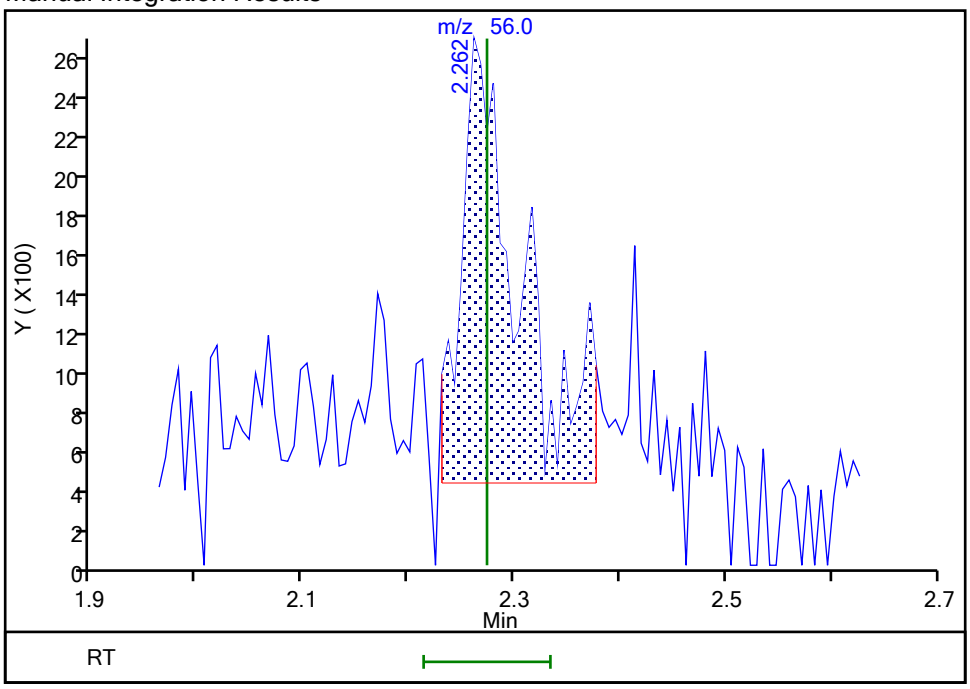
Processing Integration Results

RT: 2.26
Area: 7174
Amount: 8.871341
Amount Units: ug/L



Manual Integration Results

RT: 2.26
Area: 8758
Amount: 11.113199
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:09:18
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

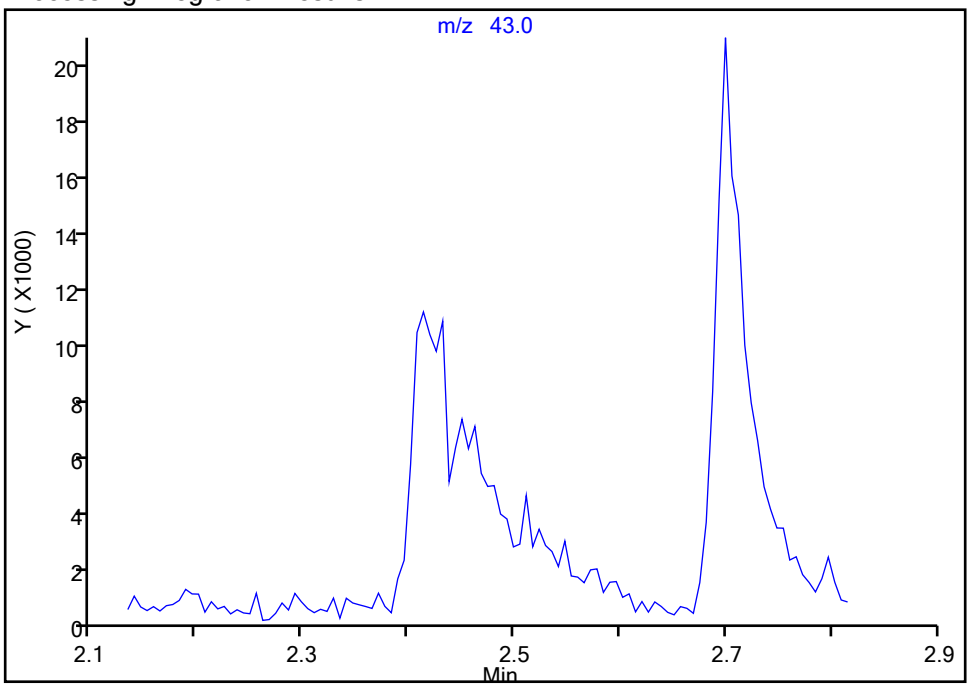
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3501.D
Injection Date: 14-Sep-2021 18:24:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: wd ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

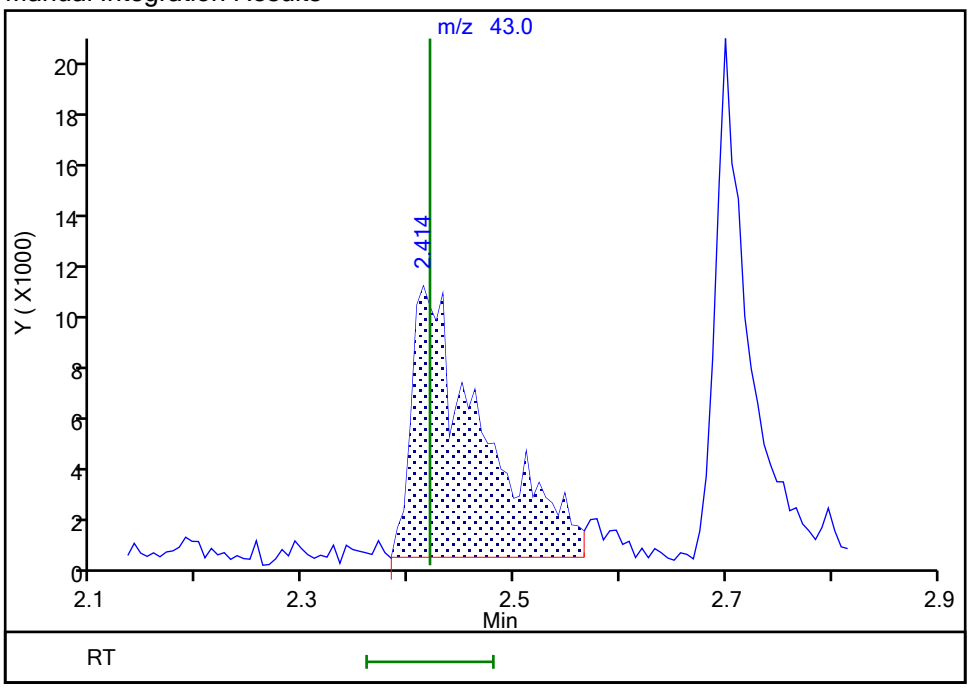
Not Detected
Expected RT: 2.42

Processing Integration Results



Manual Integration Results

RT: 2.41
Area: 47804
Amount: 10.243412
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:09:37
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

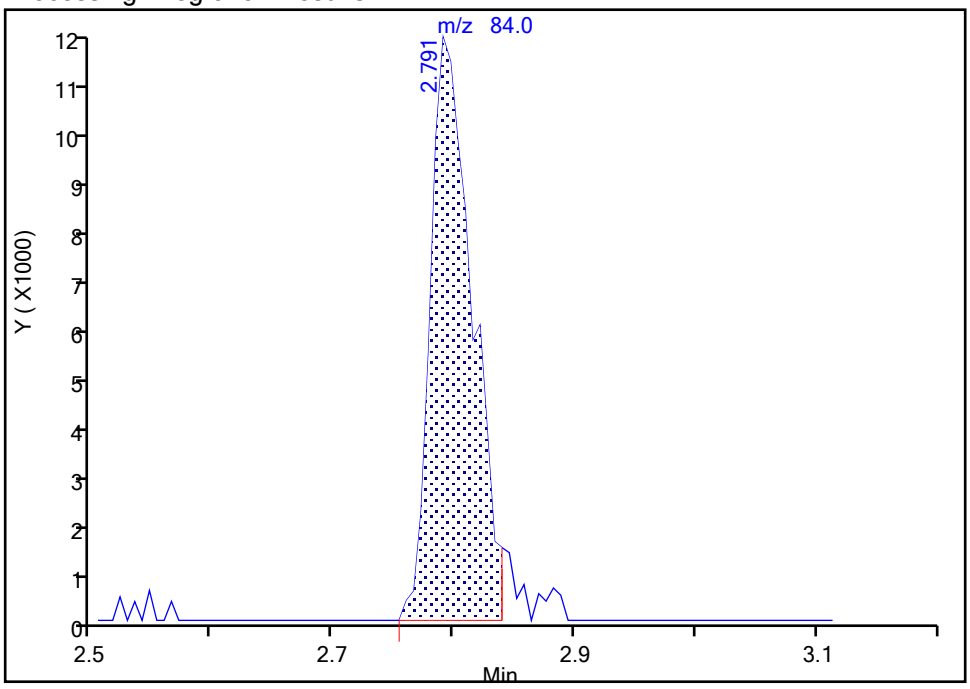
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3501.D
Injection Date: 14-Sep-2021 18:24:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: wd ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

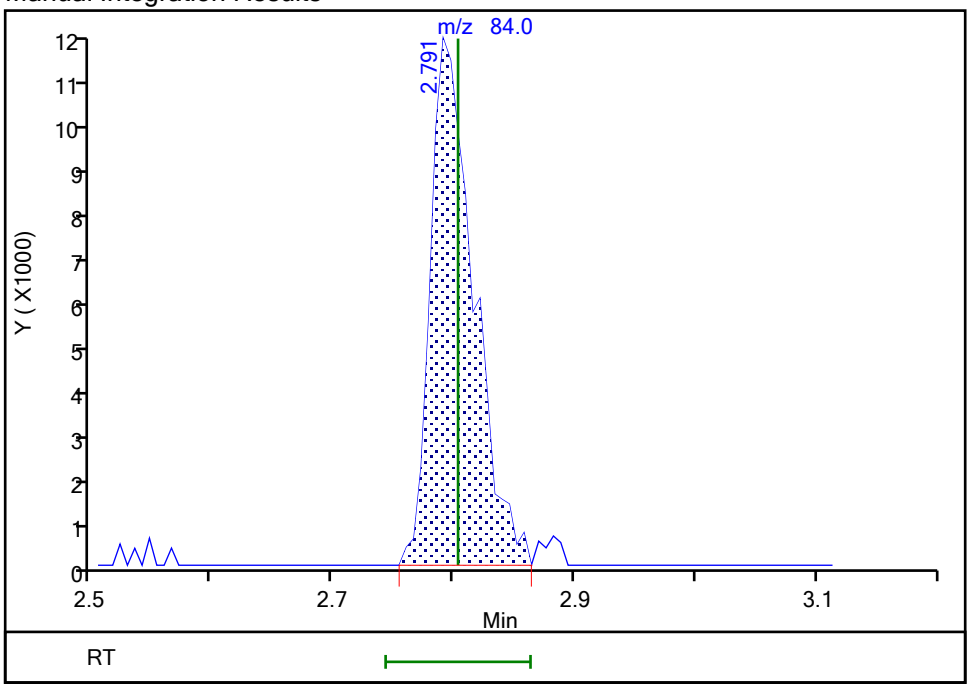
Processing Integration Results

RT: 2.79
Area: 28612
Amount: 2.064197
Amount Units: ug/L



Manual Integration Results

RT: 2.79
Area: 29543
Amount: 2.141535
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:14:25
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

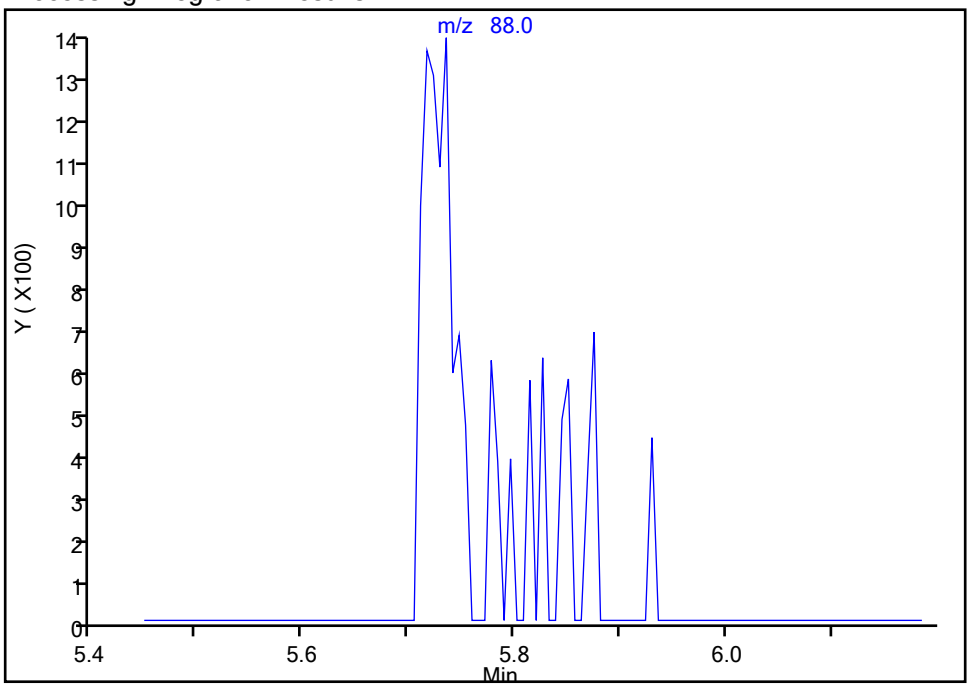
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3501.D
Injection Date: 14-Sep-2021 18:24:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: wd ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

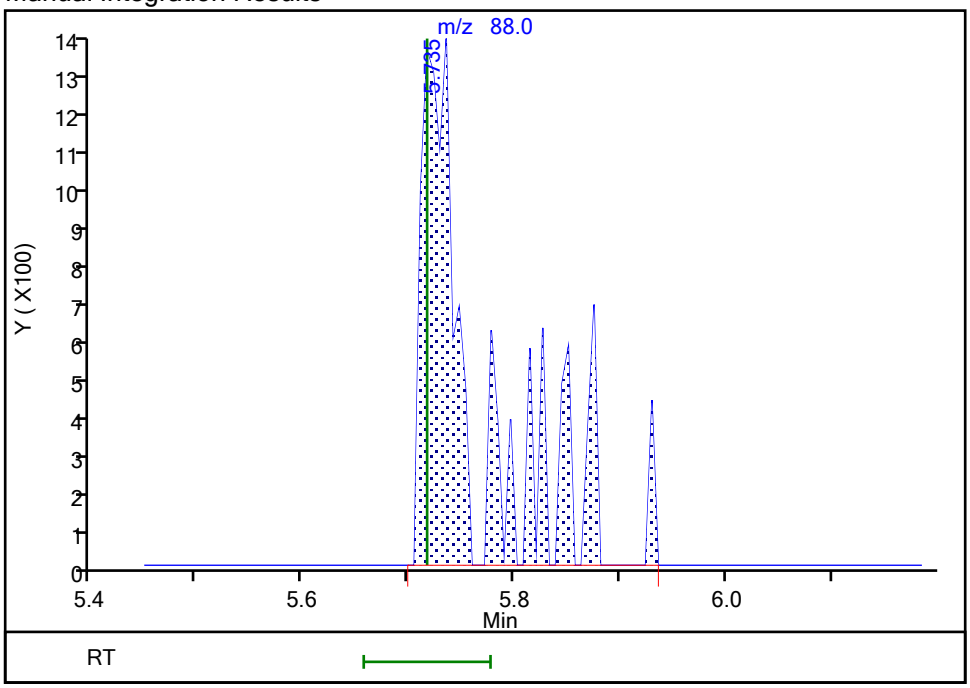
Not Detected
Expected RT: 5.72

Processing Integration Results



Manual Integration Results

RT: 5.74
Area: 4694
Amount: 40.377181
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:14:58
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3502.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 14-Sep-2021 18:47:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0100971-007
Operator ID: wd Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Sep-2021 10:50:19 Calib Date: 15-Sep-2021 00:35:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3517.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: HillL Date: 15-Sep-2021 10:18:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.999	0.000	99	159574	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.962	7.962	0.000	84	323303	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.395	10.395	0.000	86	335010	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.434	4.434	0.000	58	216806	25.0	25.2	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.732	4.732	0.000	91	140348	25.0	25.2	
$ 5 Toluene-d8 (Surr)	98	6.496	6.496	0.000	91	845933	25.0	25.9	
$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.221	0.000	92	273319	25.0	25.0	
10 Dichlorodifluoromethane	85	1.088	1.088	0.000	85	61075	5.00	5.38	M
12 Chloromethane	50	1.246	1.246	0.000	87	75944	5.00	5.06	
13 Vinyl chloride	62	1.319	1.319	0.000	60	67882	5.00	4.98	
151 Butadiene	54	1.325	1.325	0.000	64	81793	5.00	5.08	
14 Bromomethane	94	1.586	1.586	0.000	83	44334	5.00	4.85	
15 Chloroethane	64	1.647	1.647	0.000	91	46000	5.00	4.85	
16 Dichlorofluoromethane	67	1.848	1.848	0.000	80	93735	5.00	4.77	
17 Trichlorofluoromethane	101	1.860	1.860	0.000	81	83467	5.00	4.99	
18 Ethyl ether	59	2.097	2.091	0.006	93	55307	5.00	4.82	
20 Acrolein	56	2.274	2.274	0.000	90	20236	25.0	24.4	M
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.298	2.292	0.006	64	54105	5.00	5.97	
22 1,1-Dichloroethene	96	2.310	2.304	0.006	87	51146	5.00	5.27	
23 Acetone	43	2.414	2.420	-0.006	89	116343	25.0	23.7	M
25 Iodomethane	142	2.463	2.462	0.000	96	91594	5.00	5.28	
26 Carbon disulfide	76	2.493	2.499	-0.006	98	171481	5.00	5.50	
28 3-Chloro-1-propene	41	2.651	2.651	0.000	86	101271	5.00	5.29	
27 Methyl acetate	43	2.706	2.700	0.006	97	112574	10.0	8.70	
30 Methylene Chloride	84	2.803	2.803	0.000	91	66332	5.00	5.34	
31 2-Methyl-2-propanol	59	2.974	2.973	0.001	62	73796	50.0	48.3	M
32 Methyl tert-butyl ether	73	2.998	2.998	0.000	91	176644	5.00	5.05	
34 trans-1,2-Dichloroethene	96	3.016	3.010	0.006	94	55589	5.00	5.08	
33 Acrylonitrile	53	3.077	3.077	0.000	98	331274	50.0	49.5	
35 Hexane	57	3.199	3.199	0.000	88	94442	5.00	5.69	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.424	3.418	0.006	86	102938	5.00	5.13	
37 Vinyl acetate	43	3.485	3.478	0.007	97	244886	10.0	9.24	
44 2,2-Dichloropropane	77	3.929	3.923	0.006	85	60256	5.00	5.91	
45 cis-1,2-Dichloroethene	96	3.965	3.965	0.000	66	60797	5.00	5.14	
43 2-Butanone (MEK)	43	4.008	4.008	0.000	97	180021	25.0	24.0	
48 Chlorobromomethane	128	4.196	4.196	0.000	89	32220	5.00	5.08	
49 Tetrahydrofuran	42	4.215	4.208	0.007	90	49625	10.0	8.92	M
50 Chloroform	83	4.281	4.275	0.006	92	97556	5.00	4.91	
51 1,1,1-Trichloroethane	97	4.379	4.373	0.006	80	84460	5.00	5.38	
52 Cyclohexane	56	4.379	4.379	0.000	91	119961	5.00	5.86	
55 Carbon tetrachloride	117	4.513	4.507	0.006	92	73087	5.00	5.30	
54 1,1-Dichloropropene	75	4.531	4.525	0.006	85	73249	5.00	5.31	
57 Benzene	78	4.732	4.726	0.006	79	213146	5.00	5.00	
53 Isobutyl alcohol	43	4.780	4.780	0.000	51	54977	125.0	105.1	
58 1,2-Dichloroethane	62	4.805	4.805	0.000	71	78394	5.00	4.84	
59 n-Heptane	43	4.914	4.914	0.000	94	98851	5.00	5.25	
62 Trichloroethene	95	5.334	5.334	0.000	88	54713	5.00	5.36	
64 Methylcyclohexane	83	5.443	5.443	0.000	90	107217	5.00	5.76	
65 1,2-Dichloropropane	63	5.577	5.577	0.000	86	52674	5.00	4.86	
67 Dibromomethane	93	5.711	5.711	0.000	87	32867	5.00	4.87	
66 1,4-Dioxane	88	5.729	5.717	0.012	25	14044	100.0	104.7	
68 Dichlorobromomethane	83	5.869	5.869	0.000	90	62517	5.00	5.02	
69 2-Chloroethyl vinyl ether	63	6.161	6.155	0.006	90	36937	5.00	4.92	
72 cis-1,3-Dichloropropene	75	6.283	6.283	0.000	83	75240	5.00	4.68	
73 4-Methyl-2-pentanone (MIBK)	43	6.435	6.435	0.000	98	392677	25.0	24.0	
74 Toluene	92	6.563	6.557	0.006	82	138237	5.00	5.28	
77 trans-1,3-Dichloropropene	75	6.855	6.855	0.000	89	73613	5.00	4.88	
75 Ethyl methacrylate	69	6.910	6.903	0.007	81	63017	5.00	4.84	
79 1,1,2-Trichloroethane	83	7.037	7.037	0.000	83	38644	5.00	4.78	
81 Tetrachloroethene	166	7.080	7.080	0.000	89	60463	5.00	5.32	
82 1,3-Dichloropropane	76	7.196	7.195	0.001	92	82212	5.00	4.94	
80 2-Hexanone	43	7.275	7.275	0.000	96	258350	25.0	23.6	
83 Chlorodibromomethane	129	7.421	7.427	-0.006	84	47572	5.00	5.00	
84 Ethylene Dibromide	107	7.524	7.518	0.006	92	49831	5.00	4.93	
87 Chlorobenzene	112	7.992	7.992	0.000	93	154154	5.00	5.16	
88 Ethylbenzene	91	8.090	8.090	0.000	98	250846	5.00	5.10	
89 1,1,1,2-Tetrachloroethane	131	8.096	8.096	0.000	39	55697	5.00	5.16	
90 m-Xylene & p-Xylene	106	8.211	8.211	0.000	98	102482	5.00	5.14	
91 o-Xylene	106	8.637	8.631	0.006	97	100124	5.00	5.08	
92 Styrene	104	8.668	8.668	0.000	92	154277	5.00	4.76	
95 Bromoform	173	8.911	8.911	0.000	91	31021	5.00	4.69	
94 Isopropylbenzene	105	9.021	9.021	0.000	95	272822	5.00	5.36	
101 Bromobenzene	156	9.373	9.367	0.006	88	64917	5.00	5.00	
97 1,1,2,2-Tetrachloroethane	83	9.453	9.452	0.001	60	68506	5.00	4.91	
99 N-Propylbenzene	91	9.465	9.465	0.000	97	294731	5.00	5.17	
100 1,2,3-Trichloropropane	110	9.477	9.477	0.000	66	24585	5.00	5.09	
98 trans-1,4-Dichloro-2-butene	53	9.495	9.495	0.000	65	19214	5.00	4.50	
103 2-Chlorotoluene	126	9.568	9.562	0.006	95	61531	5.00	4.96	
102 1,3,5-Trimethylbenzene	105	9.653	9.653	0.000	96	225805	5.00	5.22	
105 4-Chlorotoluene	126	9.684	9.684	0.000	97	63727	5.00	5.19	
106 tert-Butylbenzene	134	9.976	9.976	0.000	91	51562	5.00	5.37	
107 1,2,4-Trimethylbenzene	105	10.037	10.037	0.000	47	229672	5.00	5.11	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.195	10.195	0.000	93	283887	5.00	5.30	
111 1,3-Dichlorobenzene	146	10.322	10.329	-0.007	97	130984	5.00	5.12	
110 4-Isopropyltoluene	119	10.341	10.341	0.000	96	254825	5.00	5.33	
113 1,4-Dichlorobenzene	146	10.420	10.420	0.000	94	129990	5.00	4.96	
115 n-Butylbenzene	91	10.736	10.736	0.000	96	212492	5.00	5.35	
116 1,2-Dichlorobenzene	146	10.773	10.773	0.000	92	131768	5.00	5.04	
117 1,2-Dibromo-3-Chloropropane	75	11.521	11.521	0.000	56	15020	5.00	5.28	
119 1,2,4-Trichlorobenzene	180	12.196	12.196	0.000	92	102033	5.00	5.16	
120 Hexachlorobutadiene	225	12.312	12.312	0.000	89	45768	5.00	5.45	
121 Naphthalene	128	12.409	12.409	0.000	97	295880	5.00	4.99	
122 1,2,3-Trichlorobenzene	180	12.610	12.610	0.000	94	101978	5.00	5.22	
S 123 Total BTEX	1				0			25.6	
S 126 1,3-Dichloropropene, Total	1				0			9.56	
S 125 1,2-Dichloroethene, Total	1				0			10.2	
S 124 Xylenes, Total	1				0			10.2	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00472	Amount Added:	5.00	Units: uL	
8260 CORP mix_00214	Amount Added:	5.00	Units: uL	
S_8260_IS_00351	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00398	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 15-Sep-2021 10:50:20 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3502.D

Injection Date: 14-Sep-2021 18:47:30 Instrument ID: HP5973S Operator ID: wd

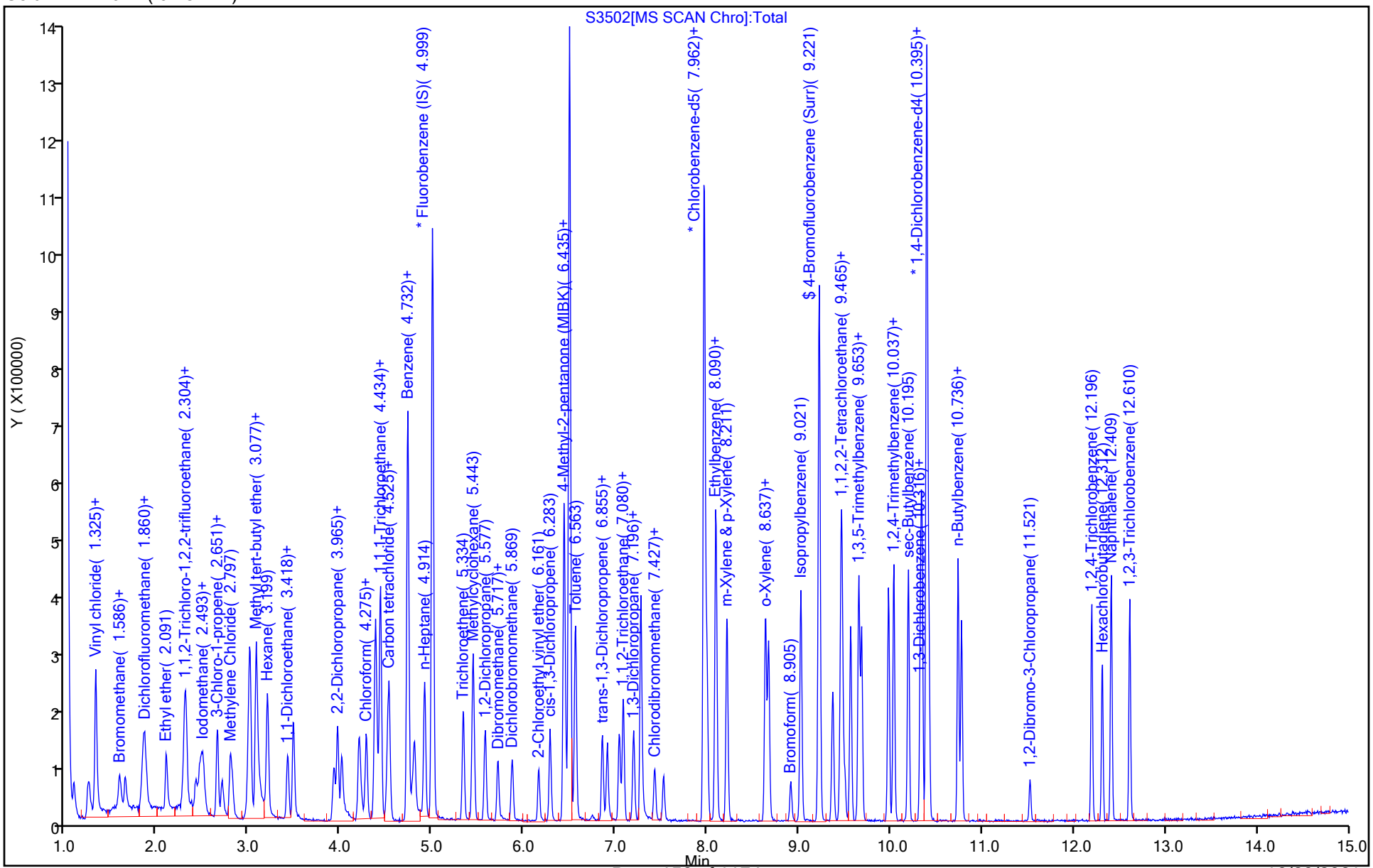
Lims ID: IC 3 Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 7

Method: S-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

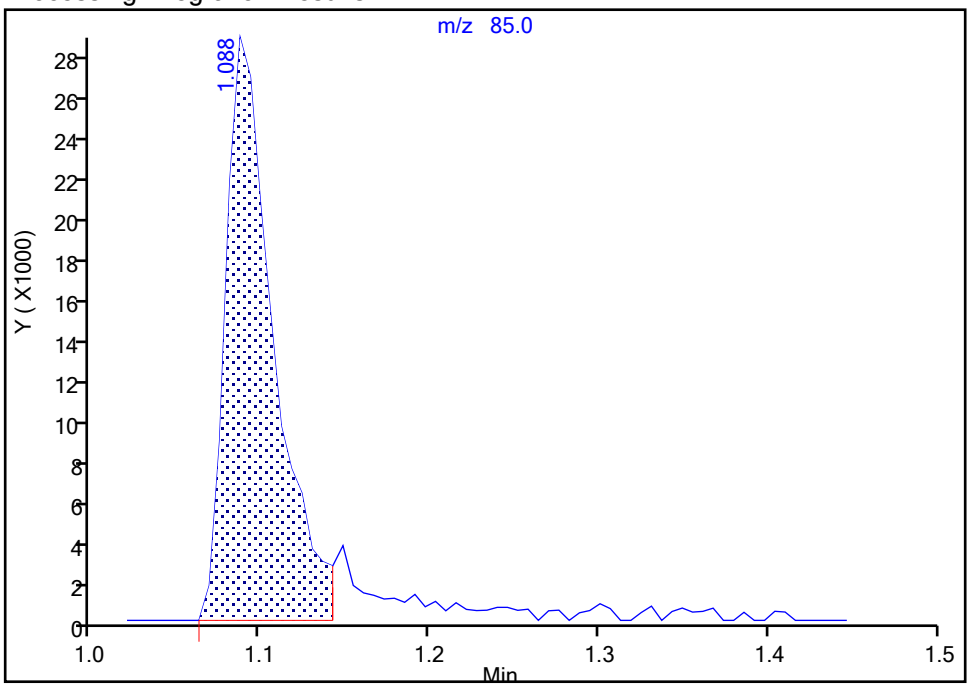
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3502.D
Injection Date: 14-Sep-2021 18:47:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: wd ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

10 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

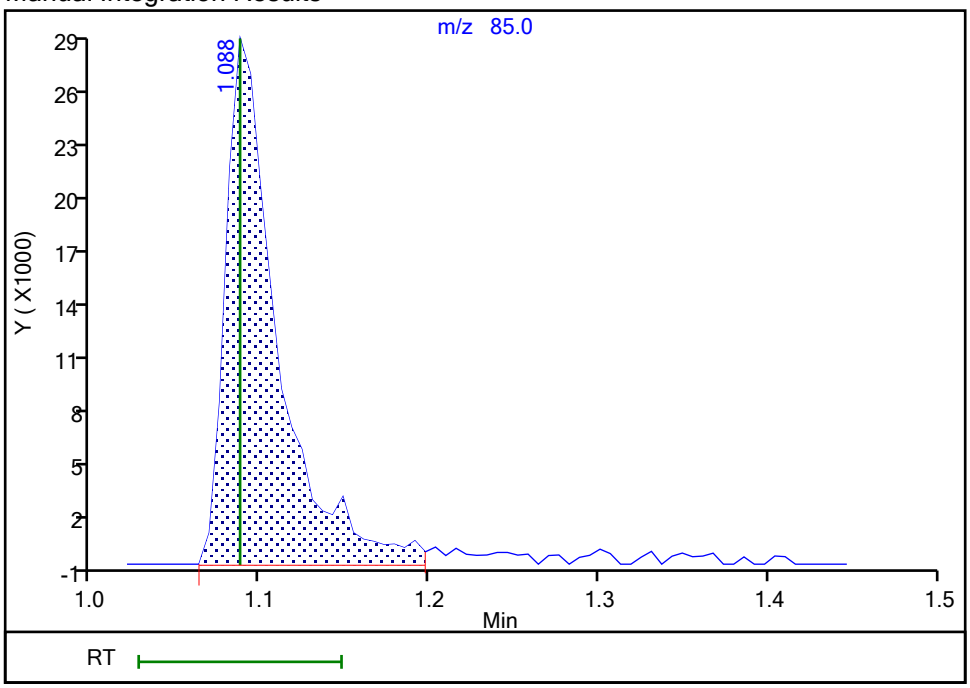
Processing Integration Results

RT: 1.09
Area: 55931
Amount: 5.012962
Amount Units: ug/L



Manual Integration Results

RT: 1.09
Area: 61075
Amount: 5.378096
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:15:55
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

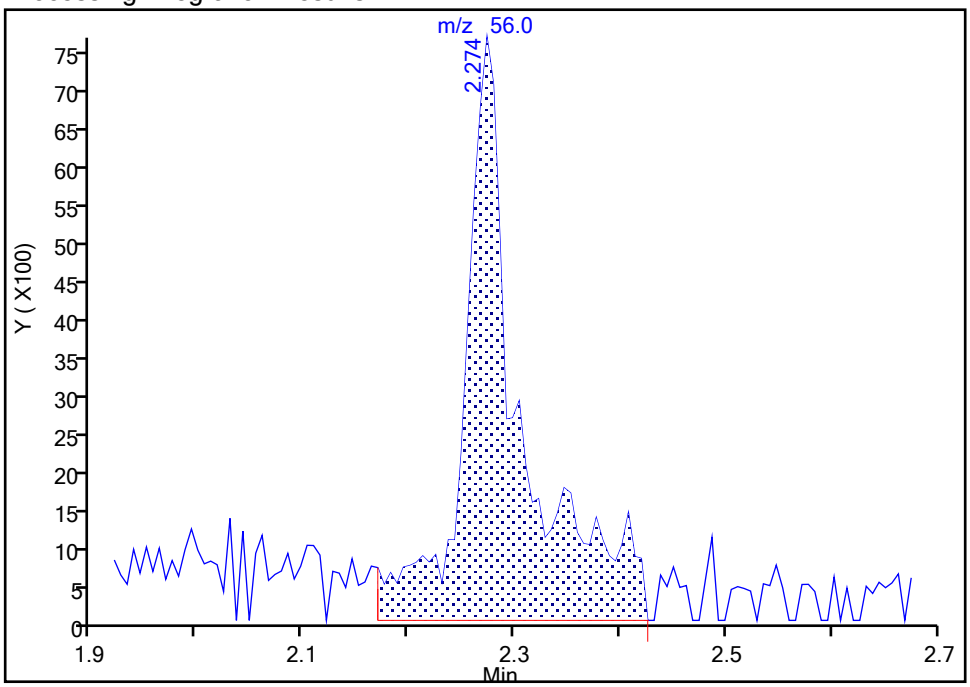
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3502.D
Injection Date: 14-Sep-2021 18:47:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: wd ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

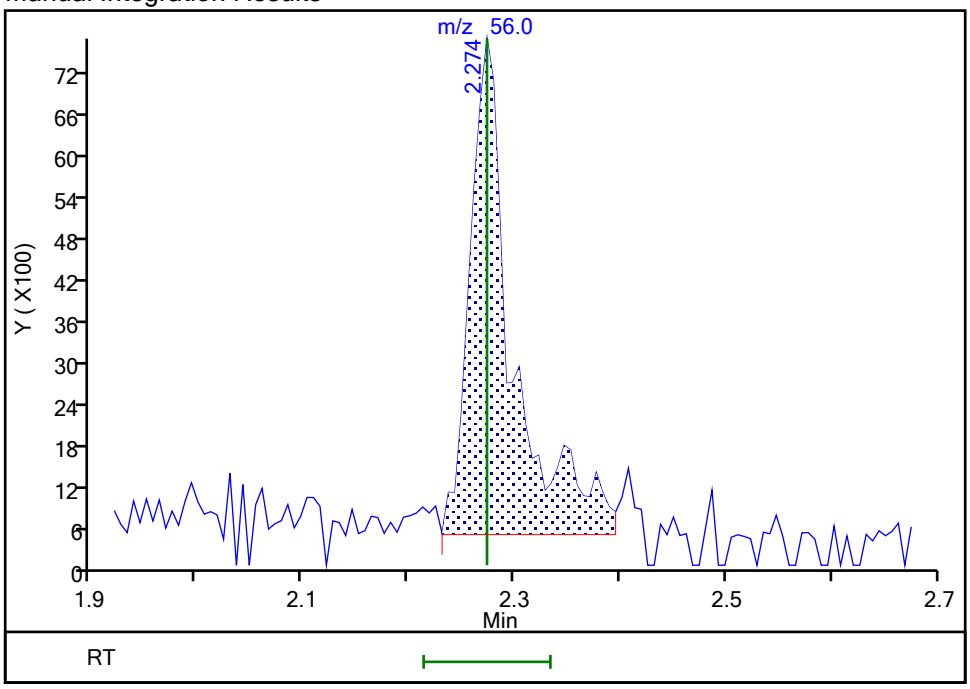
Processing Integration Results

RT: 2.27
Area: 28739
Amount: 32.963139
Amount Units: ug/L



Manual Integration Results

RT: 2.27
Area: 20236
Amount: 24.400195
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:16:07
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

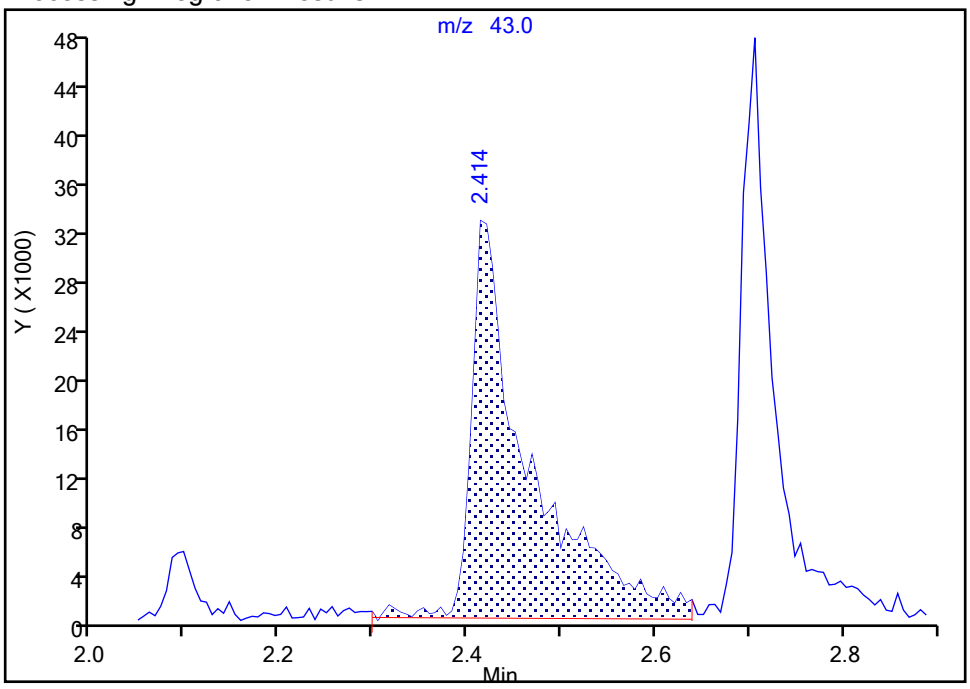
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3502.D
Injection Date: 14-Sep-2021 18:47:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: wd ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

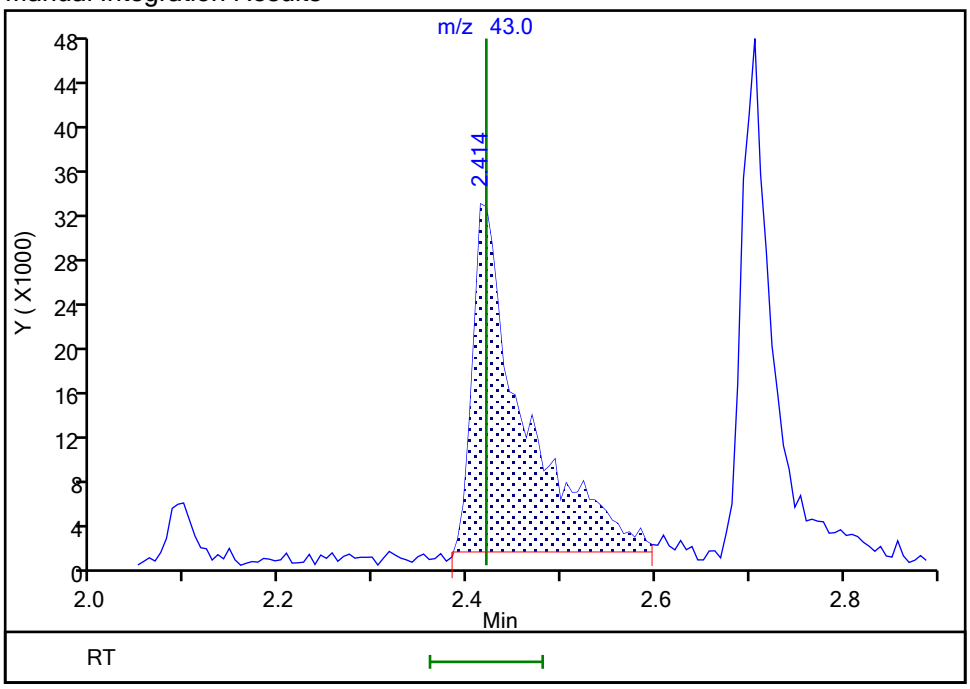
Processing Integration Results

RT: 2.41
Area: 136536
Amount: 27.241076
Amount Units: ug/L



Manual Integration Results

RT: 2.41
Area: 116343
Amount: 23.689458
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:17:30
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

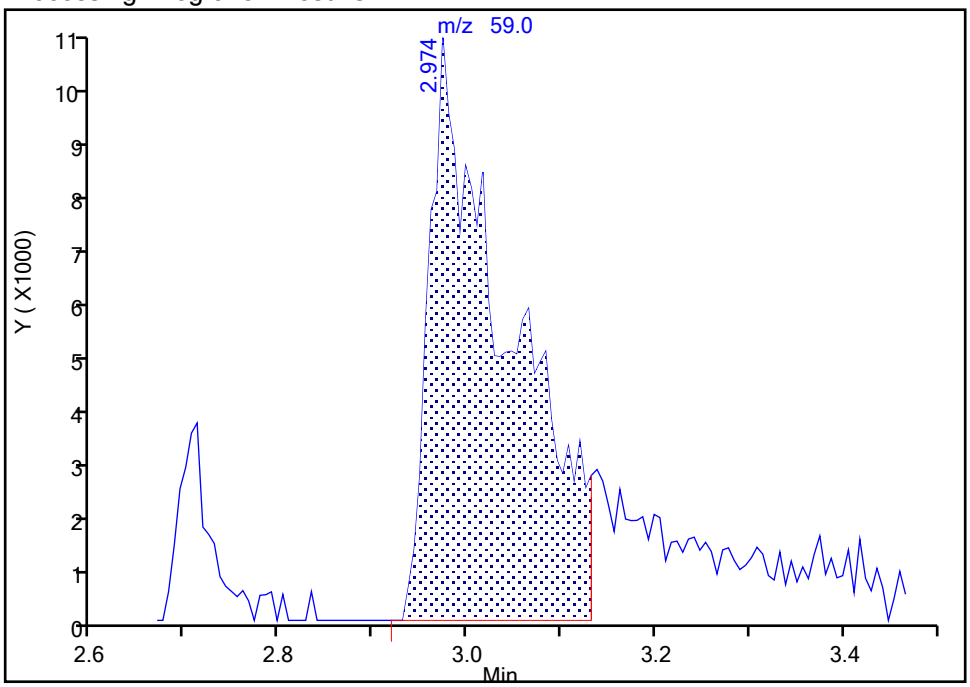
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3502.D
Injection Date: 14-Sep-2021 18:47:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: wd ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

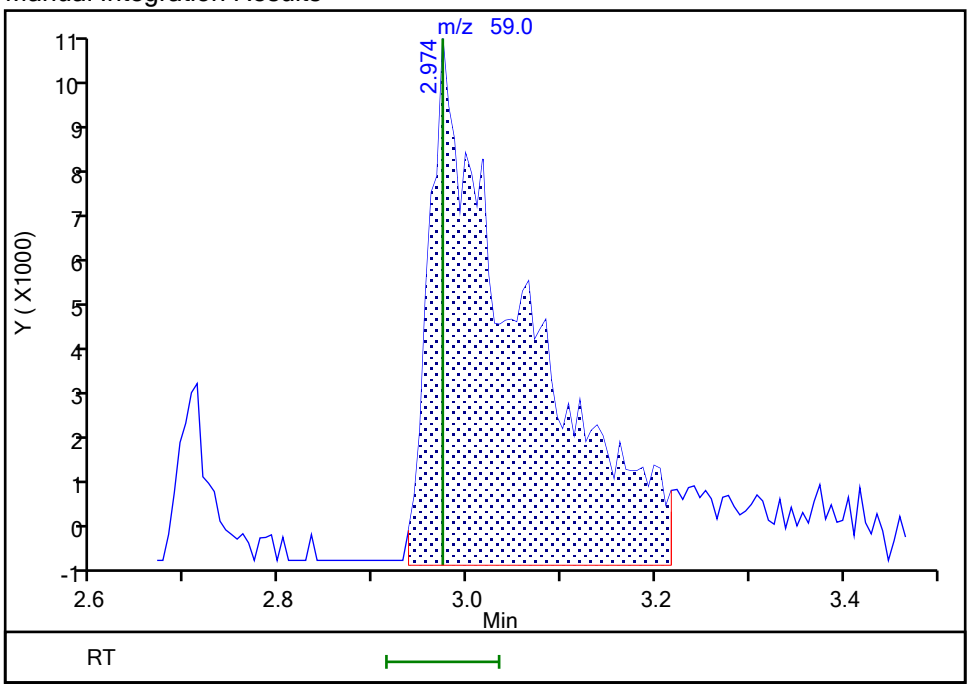
Processing Integration Results

RT: 2.97
Area: 62383
Amount: 42.256518
Amount Units: ug/L



Manual Integration Results

RT: 2.97
Area: 73796
Amount: 48.268575
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:17:44
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

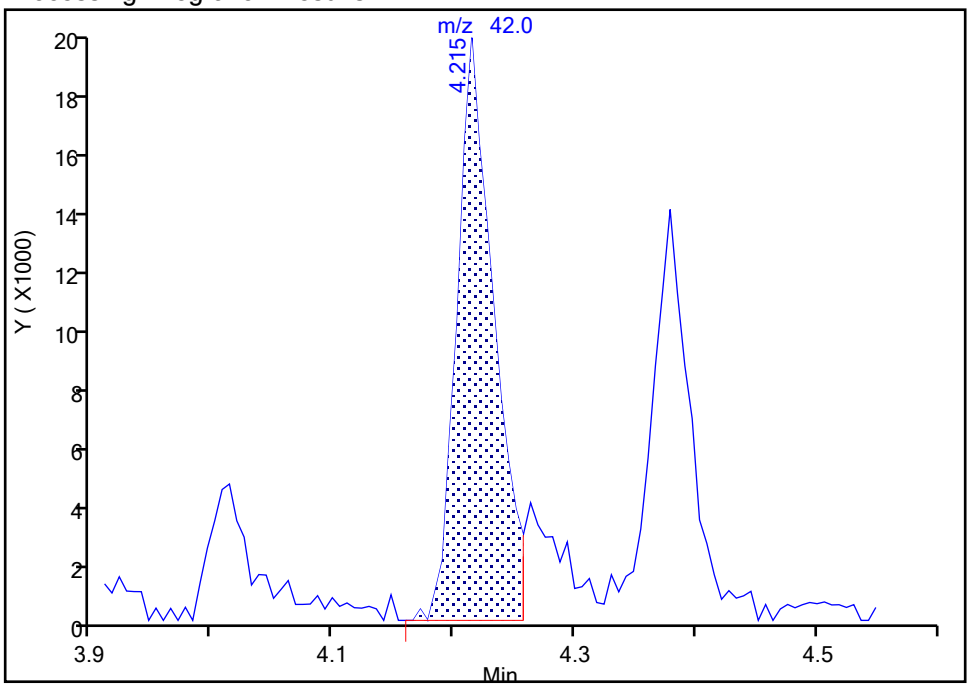
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3502.D
Injection Date: 14-Sep-2021 18:47:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: wd ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

49 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

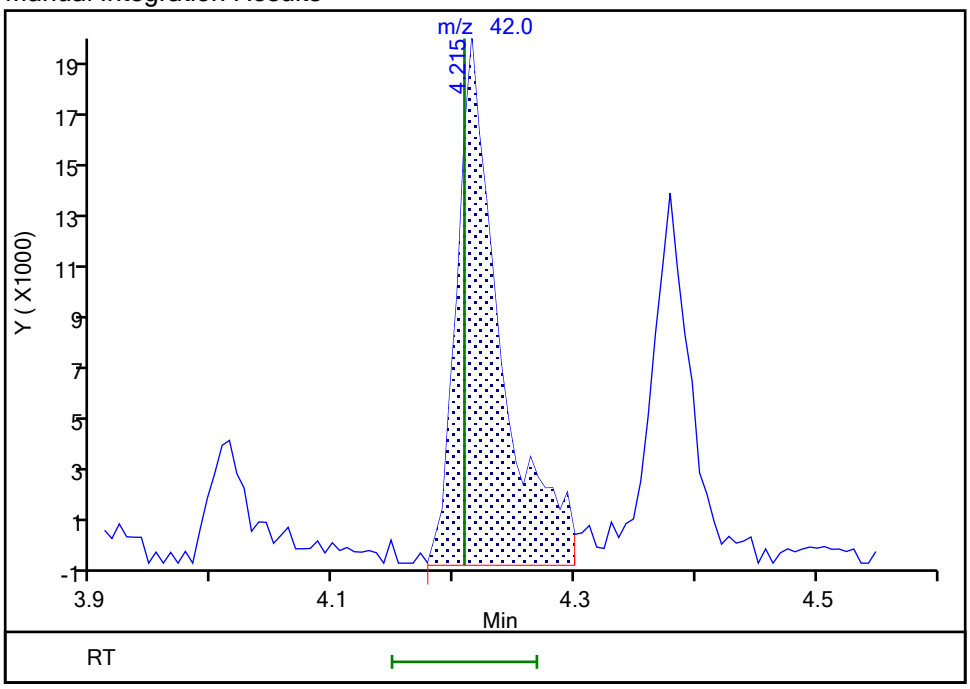
Processing Integration Results

RT: 4.21
Area: 42363
Amount: 7.739043
Amount Units: ug/L



Manual Integration Results

RT: 4.21
Area: 49625
Amount: 8.917809
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:17:56
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3503.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 14-Sep-2021 19:10:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 4
Misc. Info.: 480-0100971-008
Operator ID: wd Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Sep-2021 10:50:23 Calib Date: 15-Sep-2021 00:35:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3517.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: HillL Date: 15-Sep-2021 10:19:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.999	0.000	98	168309	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.962	7.962	0.000	86	338411	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.395	10.395	0.000	71	342681	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.433	4.434	-0.001	57	217599	25.0	24.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.732	4.732	0.000	77	145339	25.0	24.8	
$ 5 Toluene-d8 (Surr)	98	6.496	6.496	0.000	90	864773	25.0	25.3	
$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.221	0.000	92	276856	25.0	24.2	
10 Dichlorodifluoromethane	85	1.088	1.088	0.000	86	112735	10.0	9.41	M
12 Chloromethane	50	1.246	1.246	0.000	99	153664	10.0	9.71	M
13 Vinyl chloride	62	1.319	1.319	0.000	68	132013	10.0	9.19	
151 Butadiene	54	1.325	1.325	0.000	63	151114	10.0	8.90	
14 Bromomethane	94	1.586	1.586	0.000	91	84172	10.0	8.72	
15 Chloroethane	64	1.647	1.647	0.000	99	91389	10.0	9.14	
16 Dichlorofluoromethane	67	1.848	1.848	0.000	81	191261	10.0	9.23	
17 Trichlorofluoromethane	101	1.860	1.860	0.000	88	159558	10.0	9.05	
18 Ethyl ether	59	2.097	2.091	0.006	94	110730	10.0	9.16	
20 Acrolein	56	2.274	2.274	0.000	89	41054	50.0	46.9	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.298	2.292	0.006	69	94386	10.0	9.88	
22 1,1-Dichloroethene	96	2.304	2.304	0.000	88	93599	10.0	9.14	
23 Acetone	43	2.420	2.420	0.000	99	259862	50.0	50.2	
25 Iodomethane	142	2.468	2.462	0.006	95	167155	10.0	9.13	
26 Carbon disulfide	76	2.499	2.499	0.000	97	317061	10.0	9.64	
28 3-Chloro-1-propene	41	2.651	2.651	0.000	88	192183	10.0	9.52	
27 Methyl acetate	43	2.706	2.700	0.006	95	251249	20.0	18.4	
30 Methylene Chloride	84	2.797	2.803	-0.006	92	119057	10.0	9.56	
31 2-Methyl-2-propanol	59	2.973	2.973	0.000	59	155057	100.0	96.2	M
32 Methyl tert-butyl ether	73	2.998	2.998	0.000	93	336989	10.0	9.13	
34 trans-1,2-Dichloroethene	96	3.010	3.010	0.000	88	106384	10.0	9.22	
33 Acrylonitrile	53	3.077	3.077	0.000	97	660172	100.0	93.5	
35 Hexane	57	3.199	3.199	-0.001	89	166527	10.0	9.52	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.424	3.418	0.006	96	196542	10.0	9.29	
37 Vinyl acetate	43	3.484	3.478	0.006	97	495828	20.0	17.7	
44 2,2-Dichloropropane	77	3.922	3.923	-0.001	89	103867	10.0	9.66	
45 cis-1,2-Dichloroethene	96	3.965	3.965	0.000	62	114044	10.0	9.14	
43 2-Butanone (MEK)	43	4.014	4.008	0.006	97	365460	50.0	46.2	
48 Chlorobromomethane	128	4.196	4.196	0.000	90	58863	10.0	8.80	
49 Tetrahydrofuran	42	4.208	4.208	0.000	86	98222	20.0	16.7	
50 Chloroform	83	4.275	4.275	0.000	81	185810	10.0	8.86	
51 1,1,1-Trichloroethane	97	4.379	4.373	0.006	75	160626	10.0	9.70	
52 Cyclohexane	56	4.379	4.379	0.000	91	217454	10.0	10.1	
55 Carbon tetrachloride	117	4.513	4.507	0.006	90	139237	10.0	9.58	
54 1,1-Dichloropropene	75	4.525	4.525	0.000	89	139492	10.0	9.60	
57 Benzene	78	4.725	4.726	-0.001	94	423374	10.0	9.41	
53 Isobutyl alcohol	43	4.780	4.780	0.000	61	116779	250.0	211.6	M
58 1,2-Dichloroethane	62	4.805	4.805	0.000	72	159197	10.0	9.33	
59 n-Heptane	43	4.914	4.914	0.000	93	176210	10.0	8.87	
62 Trichloroethene	95	5.334	5.334	0.000	90	101938	10.0	9.47	
64 Methylcyclohexane	83	5.443	5.443	0.000	92	191278	10.0	9.73	
65 1,2-Dichloropropane	63	5.571	5.577	-0.006	89	105837	10.0	9.26	
67 Dibromomethane	93	5.717	5.711	0.006	88	64293	10.0	9.04	
66 1,4-Dioxane	88	5.735	5.717	0.018	85	31810	200.0	218.1	M
68 Dichlorobromomethane	83	5.869	5.869	0.000	90	120829	10.0	9.20	
69 2-Chloroethyl vinyl ether	63	6.161	6.155	0.006	92	70844	10.0	8.95	
72 cis-1,3-Dichloropropene	75	6.283	6.283	0.000	85	158866	10.0	9.37	
73 4-Methyl-2-pentanone (MIBK)	43	6.435	6.435	0.000	97	784182	50.0	45.8	
74 Toluene	92	6.557	6.557	0.000	90	267037	10.0	9.75	
77 trans-1,3-Dichloropropene	75	6.855	6.855	0.000	96	149057	10.0	9.44	
75 Ethyl methacrylate	69	6.909	6.903	0.006	71	135917	10.0	9.98	
79 1,1,2-Trichloroethane	83	7.037	7.037	0.000	88	78779	10.0	9.30	
81 Tetrachloroethene	166	7.080	7.080	0.000	91	116023	10.0	9.75	
82 1,3-Dichloropropane	76	7.195	7.195	0.000	95	164116	10.0	9.42	
80 2-Hexanone	43	7.275	7.275	-0.001	97	536216	50.0	46.7	
83 Chlorodibromomethane	129	7.427	7.427	0.000	86	93867	10.0	9.43	
84 Ethylene Dibromide	107	7.524	7.518	0.006	98	100612	10.0	9.51	
87 Chlorobenzene	112	7.992	7.992	0.000	93	296656	10.0	9.50	
88 Ethylbenzene	91	8.090	8.090	0.000	98	490331	10.0	9.53	
89 1,1,1,2-Tetrachloroethane	131	8.096	8.096	0.000	42	109987	10.0	9.73	
90 m-Xylene & p-Xylene	106	8.211	8.211	0.000	98	204486	10.0	9.80	
91 o-Xylene	106	8.631	8.631	0.000	96	199776	10.0	9.68	
92 Styrene	104	8.668	8.668	0.000	93	310407	10.0	9.15	
95 Bromoform	173	8.911	8.911	0.000	95	63568	10.0	9.18	
94 Isopropylbenzene	105	9.020	9.021	-0.001	95	528724	10.0	10.2	
101 Bromobenzene	156	9.367	9.367	0.000	92	132103	10.0	9.94	
97 1,1,2,2-Tetrachloroethane	83	9.452	9.452	0.000	67	132179	10.0	9.26	
99 N-Propylbenzene	91	9.465	9.465	0.000	99	570699	10.0	9.79	
100 1,2,3-Trichloropropane	110	9.477	9.477	0.000	64	46524	10.0	9.41	
98 trans-1,4-Dichloro-2-butene	53	9.501	9.495	0.006	92	39753	10.0	8.56	
103 2-Chlorotoluene	126	9.562	9.562	0.000	96	124285	10.0	9.79	
102 1,3,5-Trimethylbenzene	105	9.653	9.653	0.000	94	448537	10.0	10.1	
105 4-Chlorotoluene	126	9.684	9.684	0.000	97	118673	10.0	9.45	
106 tert-Butylbenzene	134	9.976	9.976	0.000	91	96885	10.0	9.87	
107 1,2,4-Trimethylbenzene	105	10.036	10.037	-0.001	56	455942	10.0	9.92	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.195	10.195	0.000	94	547646	10.0	10.0	
111 1,3-Dichlorobenzene	146	10.328	10.329	-0.001	98	248081	10.0	9.47	
110 4-Isopropyltoluene	119	10.341	10.341	0.000	97	483411	10.0	9.88	
113 1,4-Dichlorobenzene	146	10.420	10.420	0.000	95	248378	10.0	9.27	
115 n-Butylbenzene	91	10.736	10.736	0.000	94	406187	10.0	10.0	
116 1,2-Dichlorobenzene	146	10.773	10.773	0.000	95	257907	10.0	9.65	
117 1,2-Dibromo-3-Chloropropane	75	11.521	11.521	0.000	69	27741	10.0	9.54	
119 1,2,4-Trichlorobenzene	180	12.196	12.196	0.000	95	192054	10.0	9.50	
120 Hexachlorobutadiene	225	12.312	12.312	0.000	91	85207	10.0	9.92	
121 Naphthalene	128	12.409	12.409	0.000	97	587795	10.0	9.69	
122 1,2,3-Trichlorobenzene	180	12.610	12.610	0.000	95	197524	10.0	9.88	
S 123 Total BTEX	1				0			48.2	
S 126 1,3-Dichloropropene, Total	1				0			18.8	
S 125 1,2-Dichloroethene, Total	1				0			18.4	
S 124 Xylenes, Total	1				0			19.5	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00472	Amount Added:	5.00	Units: uL	
8260 CORP mix_00214	Amount Added:	5.00	Units: uL	
S_8260_IS_00351	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00398	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 15-Sep-2021 10:50:24 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3503.D

Injection Date: 14-Sep-2021 19:10:30 Instrument ID: HP5973S Operator ID: wd

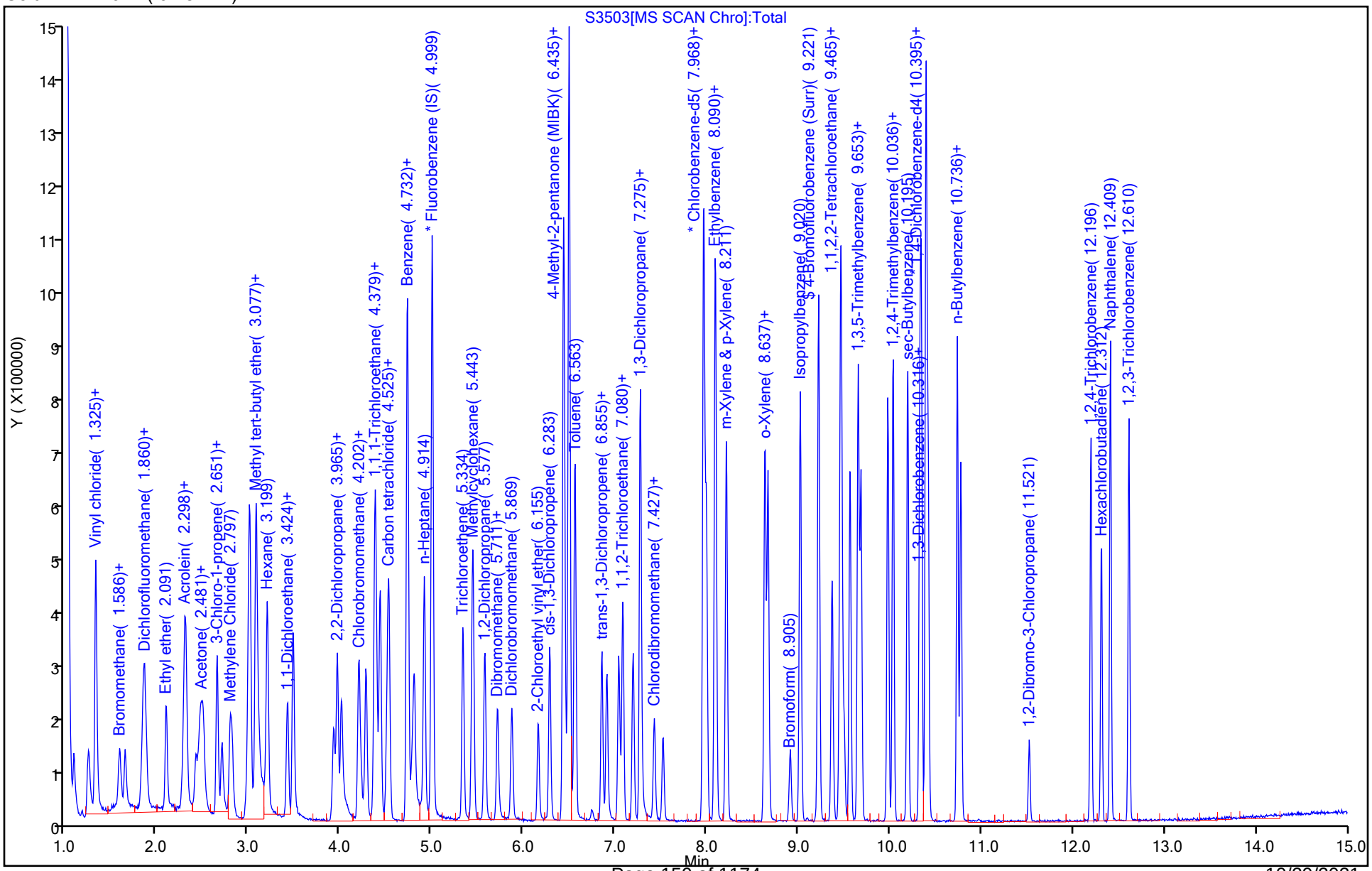
Lims ID: IC 4 Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 8

Method: S-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

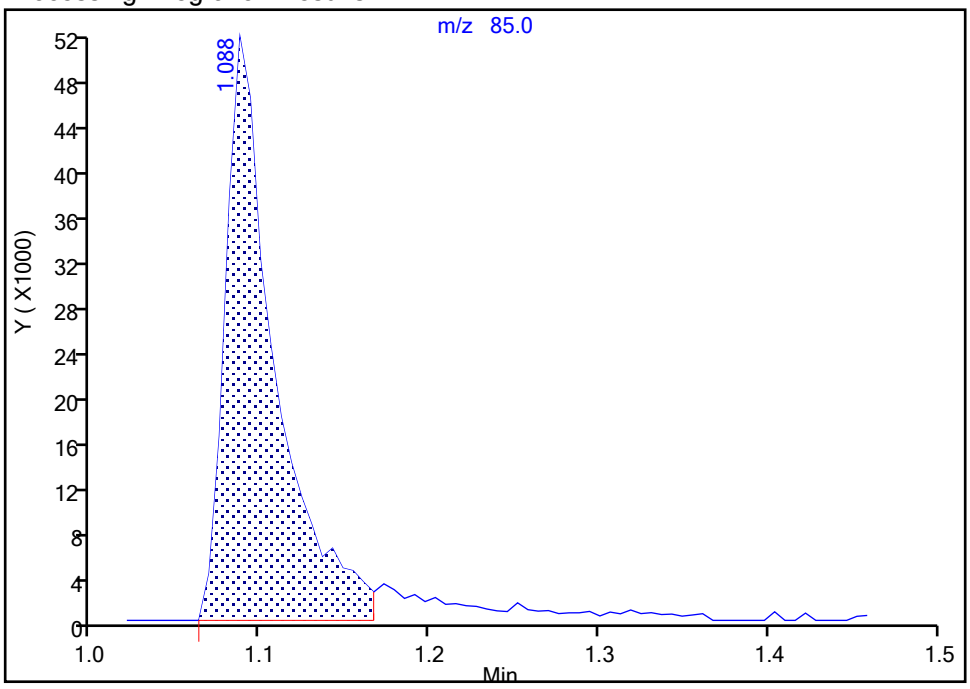
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3503.D
Injection Date: 14-Sep-2021 19:10:30 Instrument ID: HP5973S
Lims ID: IC 4
Client ID:
Operator ID: wd ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

10 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

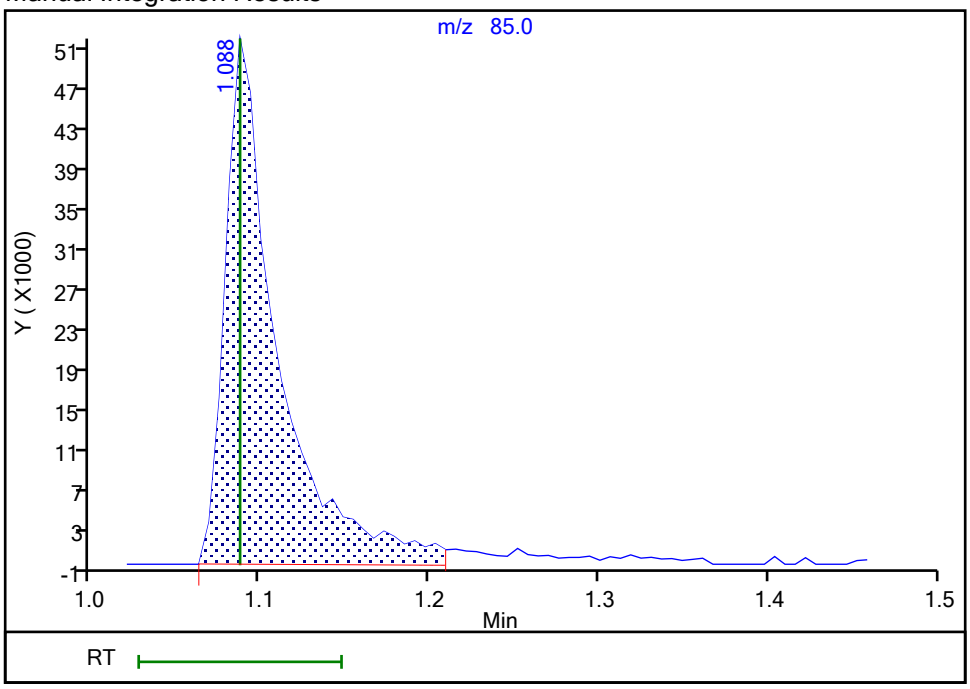
Processing Integration Results

RT: 1.09
Area: 106797
Amount: 8.971779
Amount Units: ug/L



Manual Integration Results

RT: 1.09
Area: 112735
Amount: 9.411929
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:18:37
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

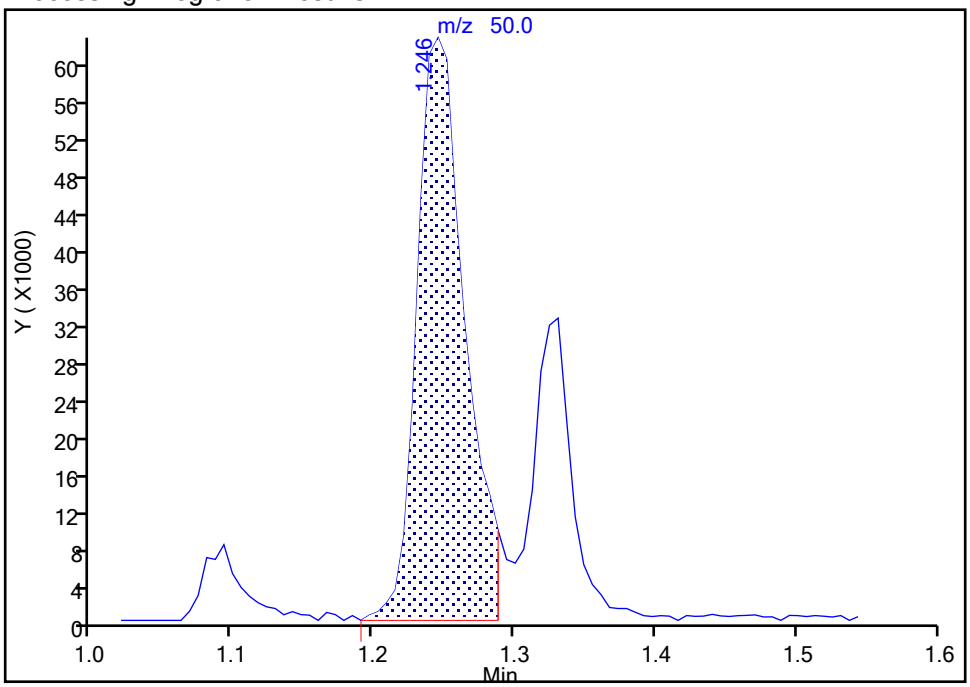
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3503.D
Injection Date: 14-Sep-2021 19:10:30 Instrument ID: HP5973S
Lims ID: IC 4
Client ID:
Operator ID: wd ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

12 Chloromethane, CAS: 74-87-3

Signal: 1

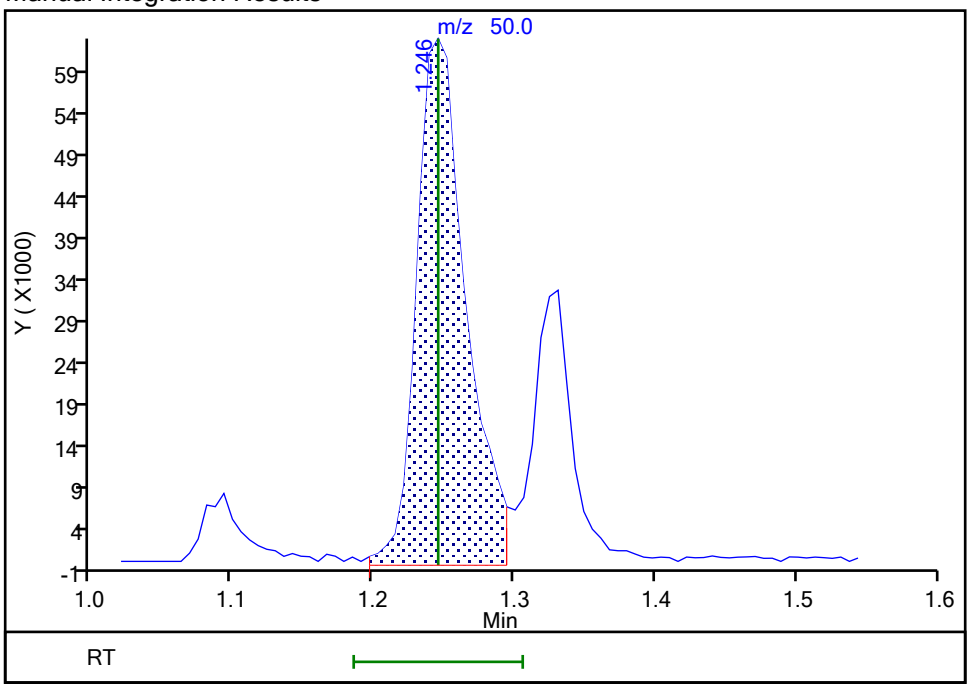
Processing Integration Results

RT: 1.25
Area: 148436
Amount: 9.418314
Amount Units: ug/L



Manual Integration Results

RT: 1.25
Area: 153664
Amount: 9.709771
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:18:48
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

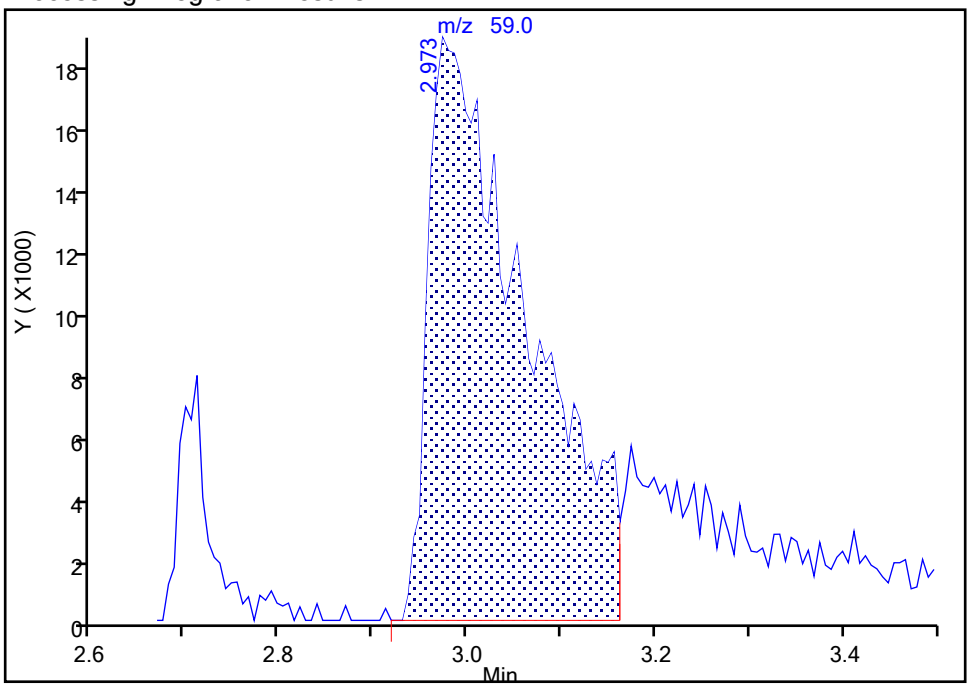
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3503.D
Injection Date: 14-Sep-2021 19:10:30 Instrument ID: HP5973S
Lims ID: IC 4
Client ID:
Operator ID: wd ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

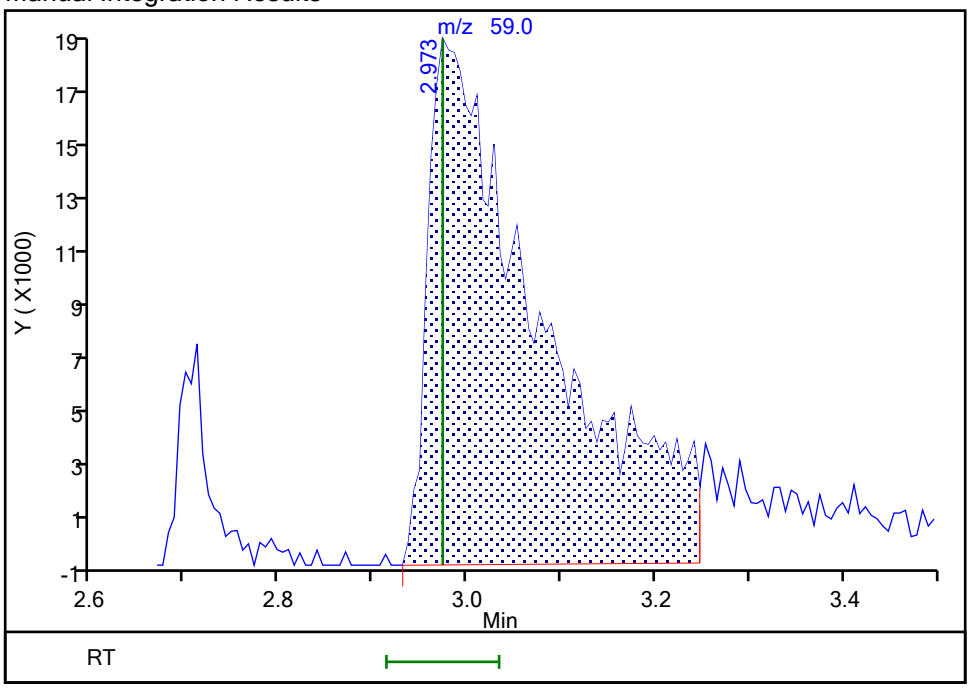
Processing Integration Results

RT: 2.97
Area: 134775
Amount: 84.913747
Amount Units: ug/L



Manual Integration Results

RT: 2.97
Area: 155057
Amount: 96.156319
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:19:06
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

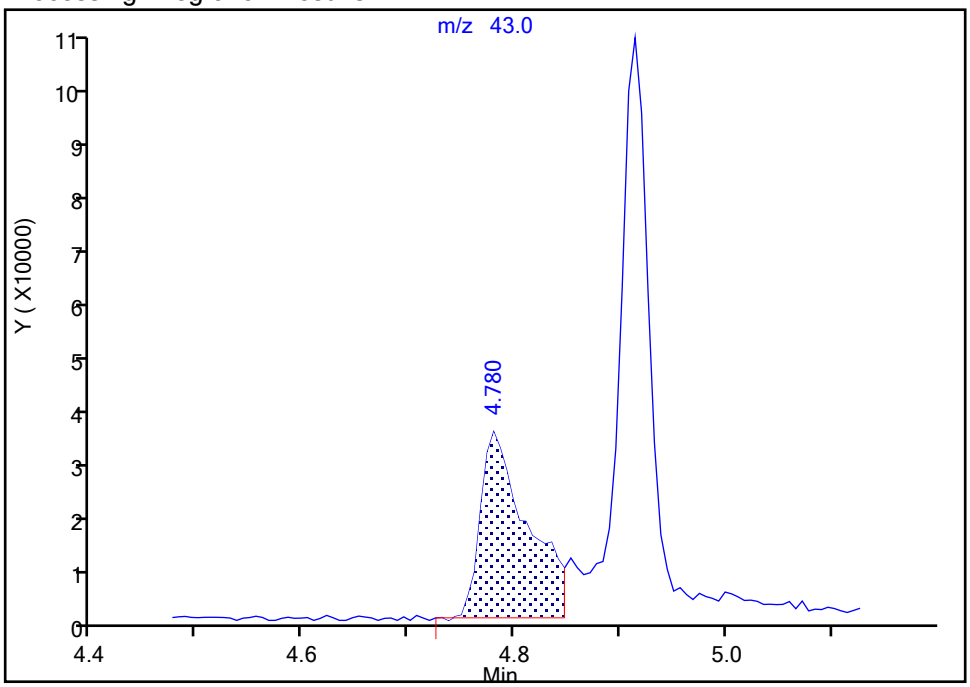
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3503.D
Injection Date: 14-Sep-2021 19:10:30 Instrument ID: HP5973S
Lims ID: IC 4
Client ID:
Operator ID: wd ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

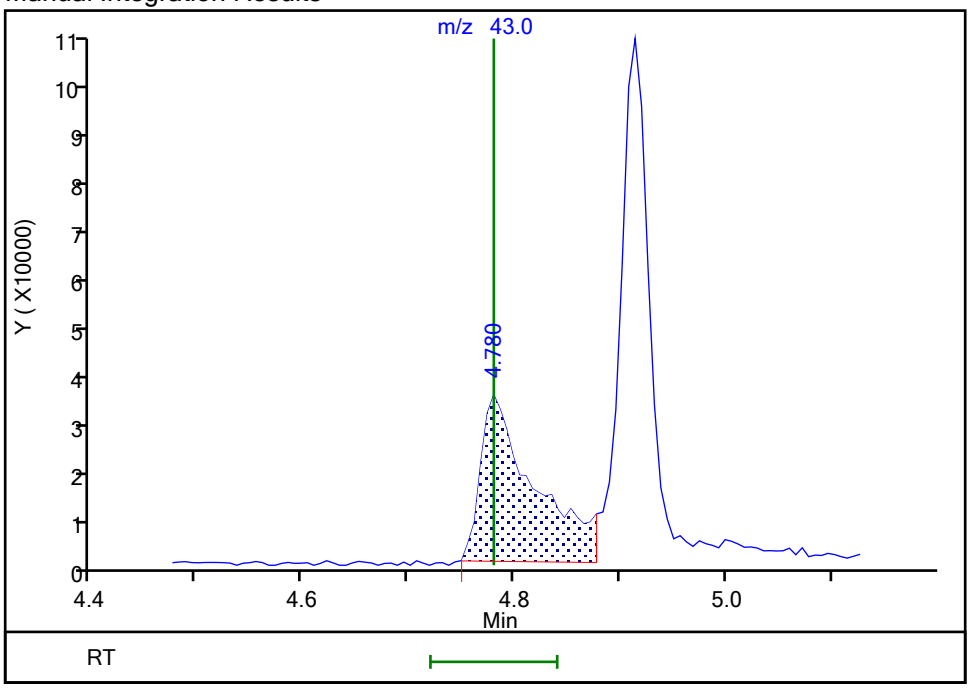
Processing Integration Results

RT: 4.78
Area: 102301
Amount: 187.8668
Amount Units: ug/L



Manual Integration Results

RT: 4.78
Area: 116779
Amount: 211.6409
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:19:33
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

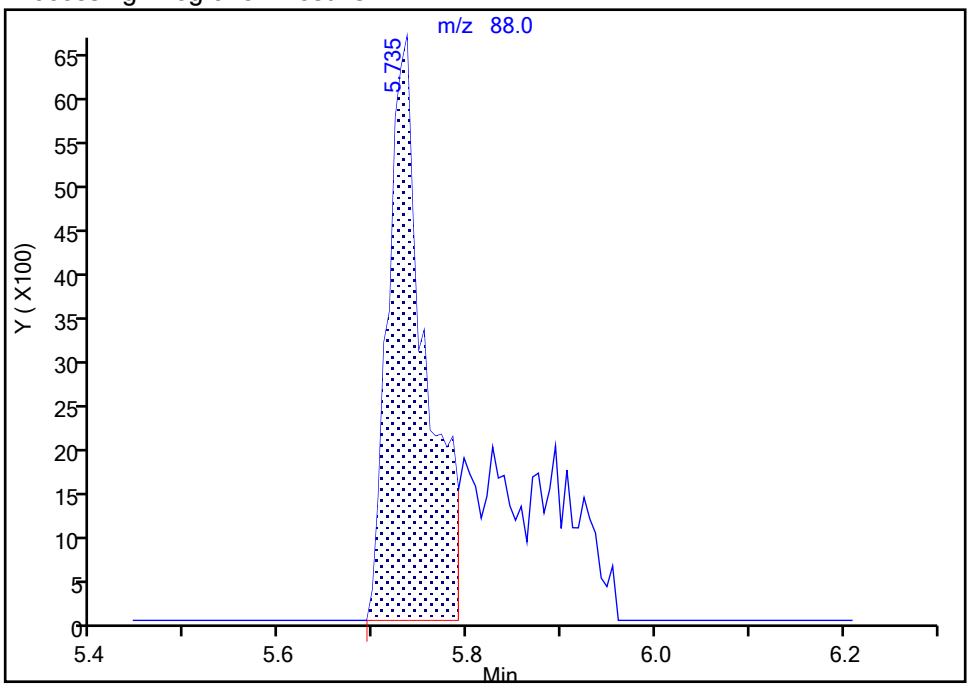
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3503.D
Injection Date: 14-Sep-2021 19:10:30 Instrument ID: HP5973S
Lims ID: IC 4
Client ID:
Operator ID: wd ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

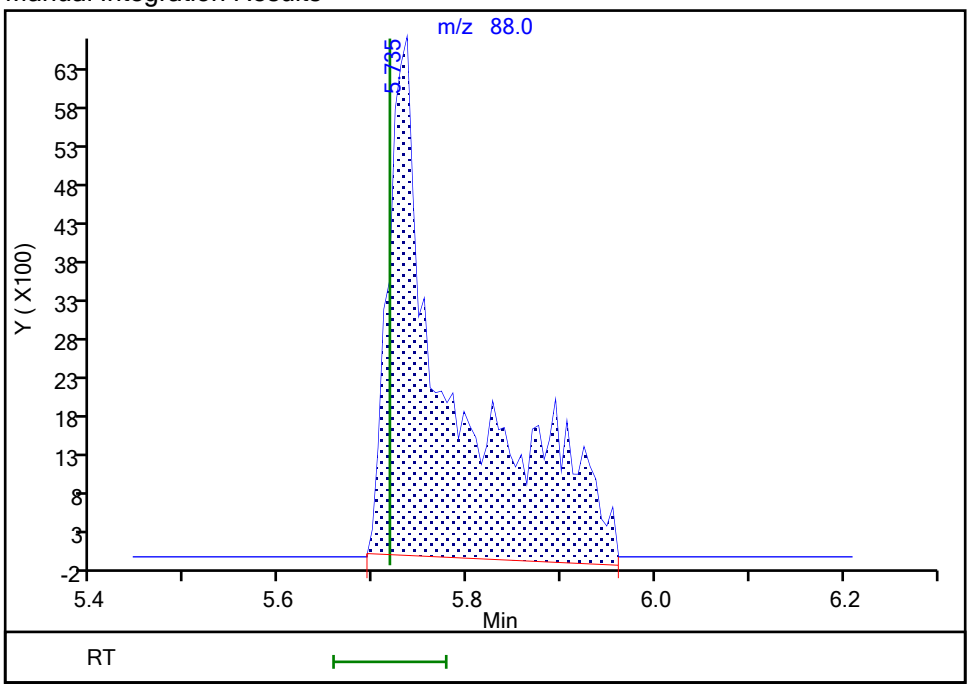
Processing Integration Results

RT: 5.74
Area: 18301
Amount: 162.1287
Amount Units: ug/L



Manual Integration Results

RT: 5.74
Area: 31810
Amount: 218.1231
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:19:42
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3504.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 14-Sep-2021 19:33:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 5
Misc. Info.: 480-0100971-009
Operator ID: wd Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Sep-2021 10:50:27 Calib Date: 15-Sep-2021 00:35:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3517.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: dahnw Date: 15-Sep-2021 09:13:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.999	0.000	98	171221	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.962	7.962	0.000	85	348761	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.395	10.395	0.000	50	371999	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.434	4.434	0.000	58	226925	25.0	24.6	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.732	4.732	0.000	49	143504	25.0	24.0	
$ 5 Toluene-d8 (Surr)	98	6.496	6.496	0.000	63	880966	25.0	25.0	
$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.221	0.000	93	294459	25.0	25.0	
10 Dichlorodifluoromethane	85	1.088	1.088	0.000	87	302634	25.0	24.8	
12 Chloromethane	50	1.246	1.246	0.000	89	389233	25.0	24.2	
13 Vinyl chloride	62	1.319	1.319	0.000	60	358934	25.0	24.6	
151 Butadiene	54	1.325	1.325	0.000	72	424711	25.0	24.6	
14 Bromomethane	94	1.586	1.586	0.000	89	230469	25.0	23.5	
15 Chloroethane	64	1.647	1.647	0.000	95	233946	25.0	23.0	
16 Dichlorofluoromethane	67	1.848	1.848	0.000	81	502516	25.0	23.8	
17 Trichlorofluoromethane	101	1.860	1.860	0.000	79	452424	25.0	25.2	
18 Ethyl ether	59	2.091	2.091	0.000	93	291748	25.0	23.7	
20 Acrolein	56	2.274	2.274	0.000	82	109707	125.0	123.3	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.292	2.292	0.000	91	276794	25.0	28.5	
22 1,1-Dichloroethene	96	2.304	2.304	0.000	87	252143	25.0	24.2	
23 Acetone	43	2.420	2.420	0.000	99	683708	125.0	129.7	
25 Iodomethane	142	2.462	2.462	0.000	97	451114	25.0	24.2	
26 Carbon disulfide	76	2.499	2.499	0.000	99	881454	25.0	26.3	
28 3-Chloro-1-propene	41	2.651	2.651	0.000	88	517929	25.0	25.2	
27 Methyl acetate	43	2.700	2.700	0.000	96	634210	50.0	45.7	
30 Methylene Chloride	84	2.803	2.803	0.000	92	307567	25.0	25.3	
31 2-Methyl-2-propanol	59	2.973	2.973	0.000	56	436263	250.0	265.9	
32 Methyl tert-butyl ether	73	2.998	2.998	0.000	98	911344	25.0	24.3	
34 trans-1,2-Dichloroethene	96	3.010	3.010	0.000	93	286272	25.0	24.4	
33 Acrylonitrile	53	3.077	3.077	0.000	98	1748840	250.0	243.4	
35 Hexane	57	3.199	3.199	0.000	90	480468	25.0	27.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.418	3.418	0.000	86	540385	25.0	25.1	
37 Vinyl acetate	43	3.478	3.478	0.000	98	1454178	50.0	51.1	
44 2,2-Dichloropropane	77	3.923	3.923	0.000	92	282296	25.0	25.8	
45 cis-1,2-Dichloroethene	96	3.965	3.965	0.000	66	314341	25.0	24.8	
43 2-Butanone (MEK)	43	4.008	4.008	0.000	98	989530	125.0	123.0	
48 Chlorobromomethane	128	4.196	4.196	0.000	94	165566	25.0	24.3	
49 Tetrahydrofuran	42	4.208	4.208	0.000	89	269625	50.0	45.2	
50 Chloroform	83	4.275	4.275	0.000	80	498509	25.0	23.4	
51 1,1,1-Trichloroethane	97	4.373	4.373	0.000	78	448308	25.0	26.6	
52 Cyclohexane	56	4.379	4.379	0.000	91	607551	25.0	27.7	
55 Carbon tetrachloride	117	4.507	4.507	0.000	83	394092	25.0	26.7	
54 1,1-Dichloropropene	75	4.525	4.525	0.000	92	398834	25.0	27.0	
57 Benzene	78	4.726	4.726	0.000	97	1168050	25.0	25.5	
53 Isobutyl alcohol	43	4.780	4.780	0.000	61	349486	625.0	622.6	
58 1,2-Dichloroethane	62	4.805	4.805	0.000	75	414909	25.0	23.9	
59 n-Heptane	43	4.914	4.914	0.000	94	547861	25.0	27.1	
62 Trichloroethene	95	5.334	5.334	0.000	93	284284	25.0	26.0	
64 Methylcyclohexane	83	5.443	5.443	0.000	94	539780	25.0	27.0	
65 1,2-Dichloropropane	63	5.577	5.577	0.000	91	284335	25.0	24.4	
67 Dibromomethane	93	5.711	5.711	0.000	89	175999	25.0	24.3	
66 1,4-Dioxane	88	5.717	5.717	0.000	34	75732	500.0	494.3	
68 Dichlorobromomethane	83	5.869	5.869	0.000	92	344976	25.0	25.8	
69 2-Chloroethyl vinyl ether	63	6.155	6.155	0.000	92	210107	25.0	26.1	
72 cis-1,3-Dichloropropene	75	6.283	6.283	0.000	89	445695	25.0	25.8	
73 4-Methyl-2-pentanone (MIBK)	43	6.435	6.435	0.000	97	2184476	125.0	123.9	
74 Toluene	92	6.557	6.557	0.000	92	726967	25.0	25.8	
77 trans-1,3-Dichloropropene	75	6.855	6.855	0.000	95	424710	25.0	26.1	
75 Ethyl methacrylate	69	6.903	6.903	0.000	74	384113	25.0	27.4	
79 1,1,2-Trichloroethane	83	7.037	7.037	0.000	87	213935	25.0	24.5	
81 Tetrachloroethene	166	7.080	7.080	0.000	83	326944	25.0	26.7	
82 1,3-Dichloropropane	76	7.195	7.195	0.000	95	447230	25.0	24.9	
80 2-Hexanone	43	7.275	7.275	0.000	97	1532714	125.0	129.6	
83 Chlorodibromomethane	129	7.427	7.427	0.000	88	264065	25.0	25.7	
84 Ethylene Dibromide	107	7.518	7.518	0.000	99	283000	25.0	26.0	
87 Chlorobenzene	112	7.992	7.992	0.000	93	836365	25.0	26.0	
88 Ethylbenzene	91	8.090	8.090	0.000	98	1385126	25.0	26.1	
89 1,1,1,2-Tetrachloroethane	131	8.096	8.096	0.000	41	303634	25.0	26.1	
90 m-Xylene & p-Xylene	106	8.211	8.211	0.000	98	565439	25.0	26.3	
91 o-Xylene	106	8.631	8.631	0.000	97	556799	25.0	26.2	
92 Styrene	104	8.668	8.668	0.000	93	915742	25.0	26.2	
95 Bromoform	173	8.911	8.911	0.000	97	184592	25.0	25.9	
94 Isopropylbenzene	105	9.021	9.021	0.000	95	1486094	25.0	26.3	
101 Bromobenzene	156	9.367	9.367	0.000	92	374620	25.0	26.0	
97 1,1,2,2-Tetrachloroethane	83	9.452	9.452	0.000	59	381602	25.0	24.6	
99 N-Propylbenzene	91	9.465	9.465	0.000	98	1651455	25.0	26.1	
100 1,2,3-Trichloropropane	110	9.477	9.477	0.000	64	132362	25.0	24.7	
98 trans-1,4-Dichloro-2-butene	53	9.495	9.495	0.000	87	123626	25.0	23.5	
103 2-Chlorotoluene	126	9.562	9.562	0.000	96	339987	25.0	24.7	
102 1,3,5-Trimethylbenzene	105	9.653	9.653	0.000	93	1257252	25.0	26.2	
105 4-Chlorotoluene	126	9.684	9.684	0.000	97	351499	25.0	25.8	
106 tert-Butylbenzene	134	9.976	9.976	0.000	91	281710	25.0	26.4	
107 1,2,4-Trimethylbenzene	105	10.037	10.037	0.000	62	1283383	25.0	25.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.195	10.195	0.000	93	1582668	25.0	26.6	
111 1,3-Dichlorobenzene	146	10.329	10.329	0.000	97	709121	25.0	24.9	
110 4-Isopropyltoluene	119	10.341	10.341	0.000	97	1430481	25.0	26.9	
113 1,4-Dichlorobenzene	146	10.420	10.420	0.000	95	716481	25.0	24.6	
115 n-Butylbenzene	91	10.736	10.736	0.000	95	1191450	25.0	27.0	
116 1,2-Dichlorobenzene	146	10.773	10.773	0.000	97	708452	25.0	24.4	
117 1,2-Dibromo-3-Chloropropane	75	11.521	11.521	0.000	83	80891	25.0	25.6	
119 1,2,4-Trichlorobenzene	180	12.196	12.196	0.000	95	540716	25.0	24.6	
120 Hexachlorobutadiene	225	12.312	12.312	0.000	95	249426	25.0	26.8	
121 Naphthalene	128	12.409	12.409	0.000	96	1641849	25.0	24.9	
122 1,2,3-Trichlorobenzene	180	12.610	12.610	0.000	94	534205	25.0	24.6	

QC Flag Legend

Processing Flags

Reagents:

GAS CORP mix_00472	Amount Added: 12.50	Units: uL	
8260 CORP mix_00214	Amount Added: 12.50	Units: uL	
S_8260_IS_00351	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00398	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 15-Sep-2021 10:50:28 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3504.D

Injection Date: 14-Sep-2021 19:33:30 Instrument ID: HP5973S Operator ID: wd

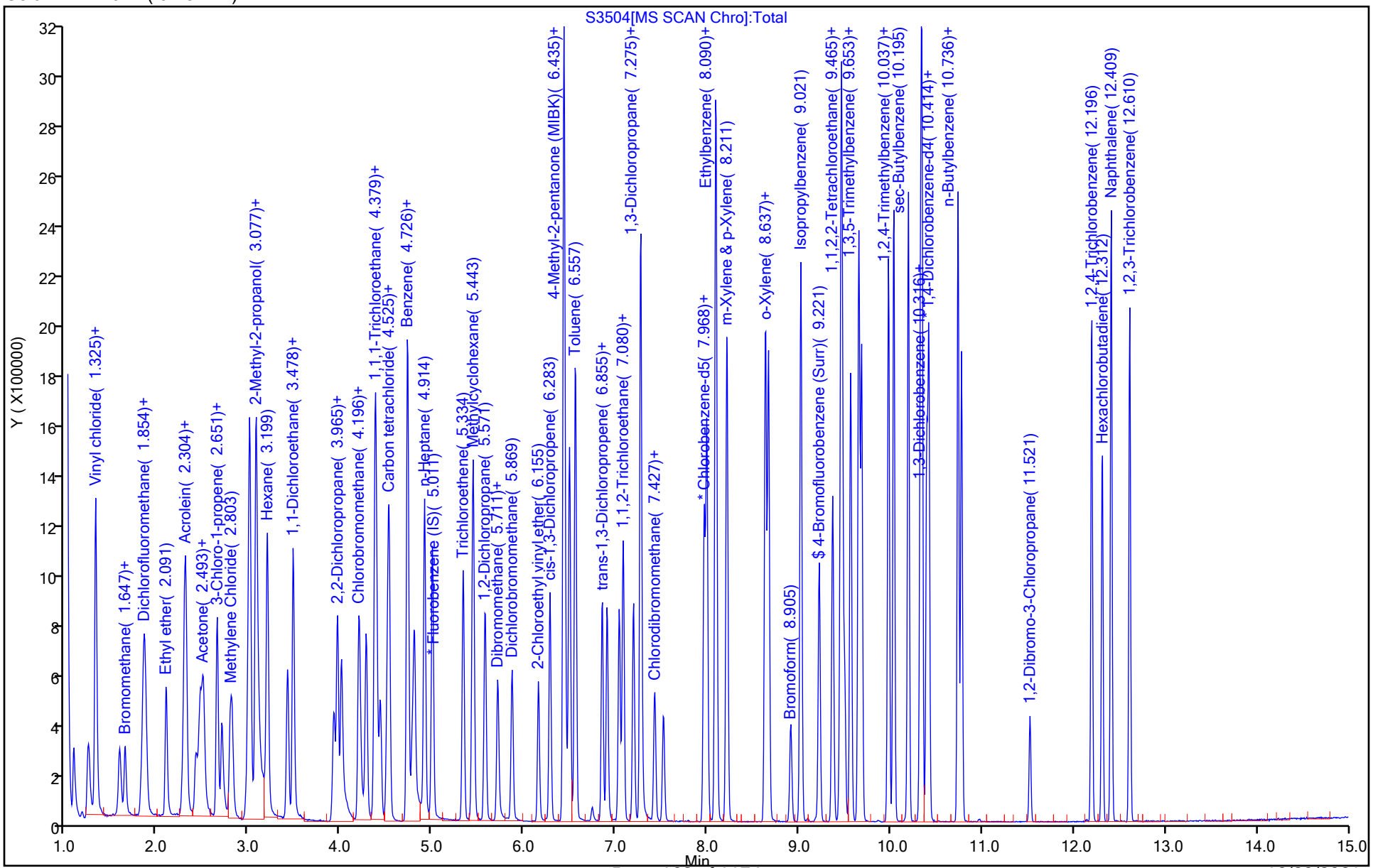
Lims ID: ICIS 5 Worklist Smp#: 9

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 9

Method: S-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3505.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 14-Sep-2021 19:57:30 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0100971-010
Operator ID: wd Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Sep-2021 10:50:31 Calib Date: 15-Sep-2021 00:35:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3517.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: HillL Date: 15-Sep-2021 10:20:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.999	0.000	98	174549	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.968	7.962	0.006	86	359749	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.395	10.395	0.000	43	390555	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.433	4.434	-0.001	57	229790	25.0	24.4	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.732	4.732	0.000	39	146635	25.0	24.1	
$ 5 Toluene-d8 (Surr)	98	6.496	6.496	0.000	44	913307	25.0	25.1	
$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.221	0.000	93	314475	25.0	25.9	
10 Dichlorodifluoromethane	85	1.087	1.088	-0.001	88	599154	50.0	48.2	
12 Chloromethane	50	1.240	1.246	-0.006	81	753935	50.0	45.9	
13 Vinyl chloride	62	1.319	1.319	0.000	62	728877	50.0	48.9	
151 Butadiene	54	1.325	1.325	0.000	62	815545	50.0	46.3	
14 Bromomethane	94	1.586	1.586	0.000	91	438731	50.0	43.8	
15 Chloroethane	64	1.647	1.647	0.000	100	452433	50.0	43.6	
16 Dichlorofluoromethane	67	1.848	1.848	0.000	81	1003222	50.0	46.7	
17 Trichlorofluoromethane	101	1.854	1.860	-0.006	68	885985	50.0	48.4	
18 Ethyl ether	59	2.091	2.091	0.000	95	595098	50.0	47.4	
20 Acrolein	56	2.268	2.274	-0.006	99	220756	250.0	243.3	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.298	2.292	0.006	66	505533	50.0	51.0	
22 1,1-Dichloroethene	96	2.304	2.304	0.000	97	485915	50.0	45.8	
23 Acetone	43	2.420	2.420	0.000	99	1369006	250.0	254.8	
25 Iodomethane	142	2.462	2.462	0.000	97	945860	50.0	49.8	
26 Carbon disulfide	76	2.499	2.499	0.000	99	1722586	50.0	50.5	
28 3-Chloro-1-propene	41	2.651	2.651	0.000	89	1027167	50.0	49.1	
27 Methyl acetate	43	2.700	2.700	0.000	95	1157392	100.0	81.8	
30 Methylene Chloride	84	2.809	2.803	0.006	92	596600	50.0	48.8	
31 2-Methyl-2-propanol	59	2.973	2.973	0.000	62	941701	500.0	563.1	
32 Methyl tert-butyl ether	73	2.998	2.998	0.000	93	1872237	50.0	48.9	
34 trans-1,2-Dichloroethene	96	3.010	3.010	0.000	91	573683	50.0	47.9	
33 Acrylonitrile	53	3.077	3.077	0.000	100	3598100	500.0	491.2	
35 Hexane	57	3.198	3.199	-0.001	89	916630	50.0	50.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.417	3.418	-0.001	85	1069071	50.0	48.7	
37 Vinyl acetate	43	3.478	3.478	0.000	97	3187592	100.0	110.0	
44 2,2-Dichloropropane	77	3.922	3.923	-0.001	92	518288	50.0	46.5	
45 cis-1,2-Dichloroethene	96	3.965	3.965	0.000	67	622642	50.0	48.1	
43 2-Butanone (MEK)	43	4.008	4.008	0.000	98	2145680	250.0	261.6	
48 Chlorobromomethane	128	4.196	4.196	0.000	96	333437	50.0	48.1	
49 Tetrahydrofuran	42	4.208	4.208	0.000	90	562251	100.0	92.4	
50 Chloroform	83	4.275	4.275	0.000	81	1000671	50.0	46.0	
51 1,1,1-Trichloroethane	97	4.379	4.373	0.006	76	867822	50.0	50.5	
52 Cyclohexane	56	4.379	4.379	0.000	92	1142222	50.0	51.0	
55 Carbon tetrachloride	117	4.506	4.507	-0.001	83	770138	50.0	51.1	
54 1,1-Dichloropropene	75	4.525	4.525	0.000	91	769810	50.0	51.1	
57 Benzene	78	4.725	4.726	-0.001	98	2375373	50.0	50.9	
53 Isobutyl alcohol	43	4.780	4.780	0.000	60	814028	1250.0	1422.5	
58 1,2-Dichloroethane	62	4.798	4.805	-0.007	82	865139	50.0	48.9	
59 n-Heptane	43	4.914	4.914	0.000	92	1031969	50.0	50.1	
62 Trichloroethene	95	5.334	5.334	0.000	92	573716	50.0	51.4	
64 Methylcyclohexane	83	5.443	5.443	0.000	92	1036429	50.0	50.9	
65 1,2-Dichloropropane	63	5.577	5.577	0.000	91	592452	50.0	50.0	
67 Dibromomethane	93	5.711	5.711	0.000	87	355851	50.0	48.2	
66 1,4-Dioxane	88	5.723	5.717	0.006	42	156632	1000.0	983.8	M
68 Dichlorobromomethane	83	5.869	5.869	0.000	93	736488	50.0	54.1	
69 2-Chloroethyl vinyl ether	63	6.155	6.155	0.000	93	453912	50.0	55.3	
72 cis-1,3-Dichloropropene	75	6.283	6.283	0.000	90	969724	50.0	55.2	
73 4-Methyl-2-pentanone (MIBK)	43	6.435	6.435	0.000	98	4568920	250.0	251.3	
74 Toluene	92	6.563	6.557	0.006	94	1520308	50.0	52.2	
77 trans-1,3-Dichloropropene	75	6.855	6.855	0.000	92	907811	50.0	54.1	
75 Ethyl methacrylate	69	6.903	6.903	0.000	73	849639	50.0	58.7	
79 1,1,2-Trichloroethane	83	7.037	7.037	0.000	93	446421	50.0	49.6	
81 Tetrachloroethene	166	7.080	7.080	0.000	80	660022	50.0	52.2	
82 1,3-Dichloropropane	76	7.195	7.195	0.000	95	945980	50.0	51.1	
80 2-Hexanone	43	7.268	7.275	-0.007	95	3264514	250.0	267.6	
83 Chlorodibromomethane	129	7.427	7.427	0.000	84	582560	50.0	55.0	
84 Ethylene Dibromide	107	7.518	7.518	0.000	97	598830	50.0	53.2	
87 Chlorobenzene	112	7.992	7.992	0.000	93	1731088	50.0	52.1	
88 Ethylbenzene	91	8.090	8.090	0.000	98	2872083	50.0	52.5	
89 1,1,1,2-Tetrachloroethane	131	8.096	8.096	0.000	42	624901	50.0	52.0	
90 m-Xylene & p-Xylene	106	8.211	8.211	0.000	98	1175206	50.0	53.0	
91 o-Xylene	106	8.631	8.631	0.000	97	1145692	50.0	52.2	
92 Styrene	104	8.668	8.668	0.000	76	1969849	50.0	54.6	
95 Bromoform	173	8.911	8.911	0.000	95	424148	50.0	57.6	
94 Isopropylbenzene	105	9.020	9.021	-0.001	95	3031588	50.0	51.1	
101 Bromobenzene	156	9.367	9.367	0.000	92	778889	50.0	51.4	
97 1,1,2,2-Tetrachloroethane	83	9.452	9.452	0.000	59	813601	50.0	50.0	
99 N-Propylbenzene	91	9.465	9.465	0.000	98	3469066	50.0	52.2	
100 1,2,3-Trichloropropane	110	9.477	9.477	0.000	63	277096	50.0	49.2	
98 trans-1,4-Dichloro-2-butene	53	9.501	9.495	0.006	93	287586	50.0	51.4	
103 2-Chlorotoluene	126	9.562	9.562	0.000	96	703914	50.0	48.7	
102 1,3,5-Trimethylbenzene	105	9.653	9.653	0.000	93	2621814	50.0	52.0	
105 4-Chlorotoluene	126	9.684	9.684	0.000	97	726866	50.0	50.8	
106 tert-Butylbenzene	134	9.976	9.976	0.000	91	572822	50.0	51.2	
107 1,2,4-Trimethylbenzene	105	10.036	10.037	-0.001	65	2718988	50.0	51.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.195	10.195	0.000	94	3290484	50.0	52.7	
111 1,3-Dichlorobenzene	146	10.322	10.329	-0.007	98	1518128	50.0	50.9	
110 4-Isopropyltoluene	119	10.341	10.341	0.000	97	2938775	50.0	52.7	
113 1,4-Dichlorobenzene	146	10.420	10.420	0.000	96	1545721	50.0	50.6	
115 n-Butylbenzene	91	10.736	10.736	0.000	95	2458969	50.0	53.1	
116 1,2-Dichlorobenzene	146	10.772	10.773	-0.001	97	1494519	50.0	49.1	
117 1,2-Dibromo-3-Chloropropane	75	11.521	11.521	0.000	83	170484	50.0	51.4	
119 1,2,4-Trichlorobenzene	180	12.196	12.196	0.000	91	1129854	50.0	49.0	
120 Hexachlorobutadiene	225	12.312	12.312	0.000	94	510027	50.0	52.1	
121 Naphthalene	128	12.409	12.409	0.000	96	3518086	50.0	50.9	
122 1,2,3-Trichlorobenzene	180	12.610	12.610	0.000	95	1141429	50.0	50.1	
S 123 Total BTEX	1				0			260.8	
S 126 1,3-Dichloropropene, Total	1				0			109.3	
S 125 1,2-Dichloroethene, Total	1				0			96.1	
S 124 Xylenes, Total	1				0			105.2	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00472	Amount Added:	25.00	Units: uL	
8260 CORP mix_00214	Amount Added:	25.00	Units: uL	
S_8260_IS_00351	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00398	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 15-Sep-2021 10:50:32 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3505.D

Injection Date: 14-Sep-2021 19:57:30 Instrument ID: HP5973S Operator ID: wd

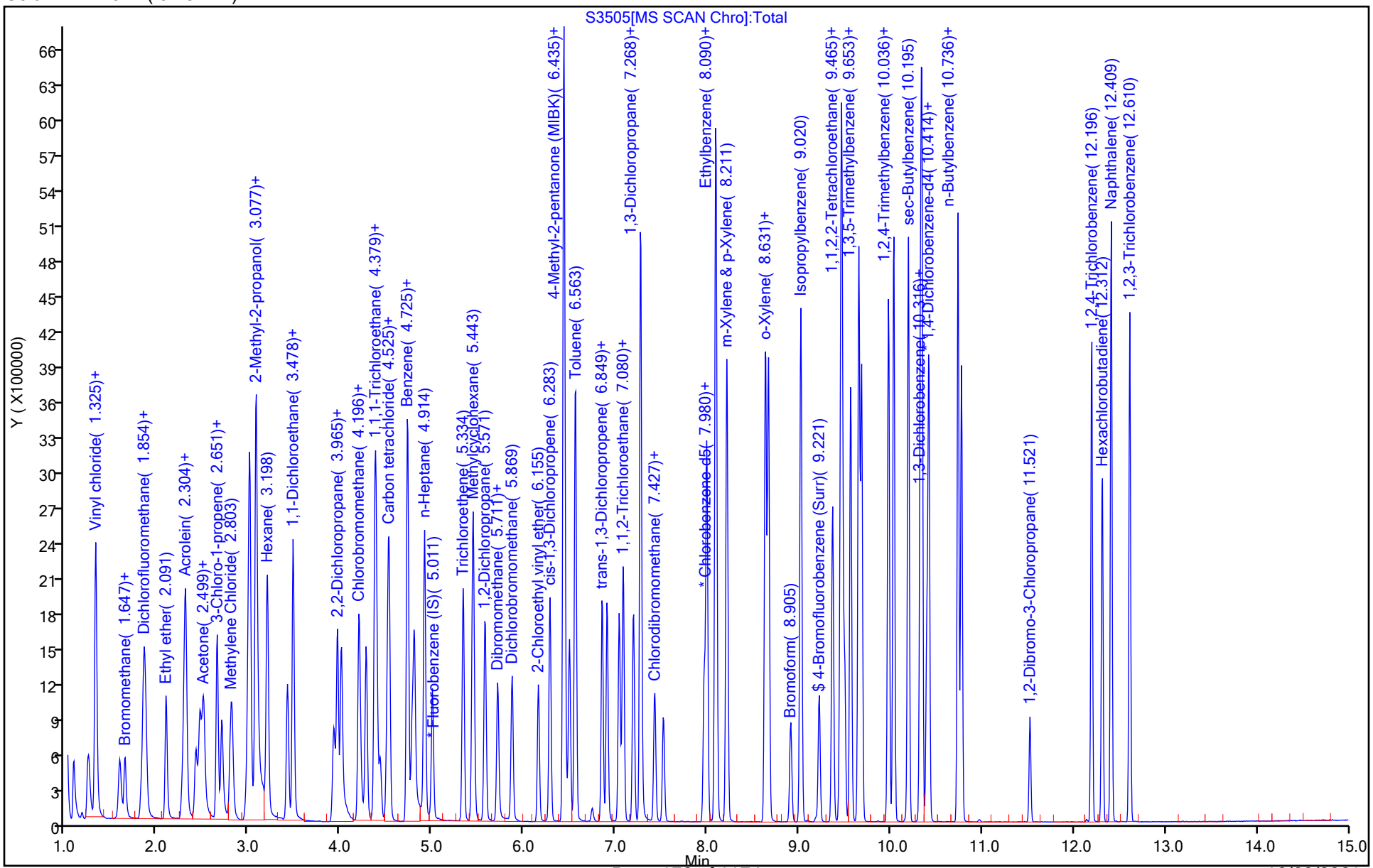
Lims ID: IC 6 Worklist Smp#: 10

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 10

Method: S-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

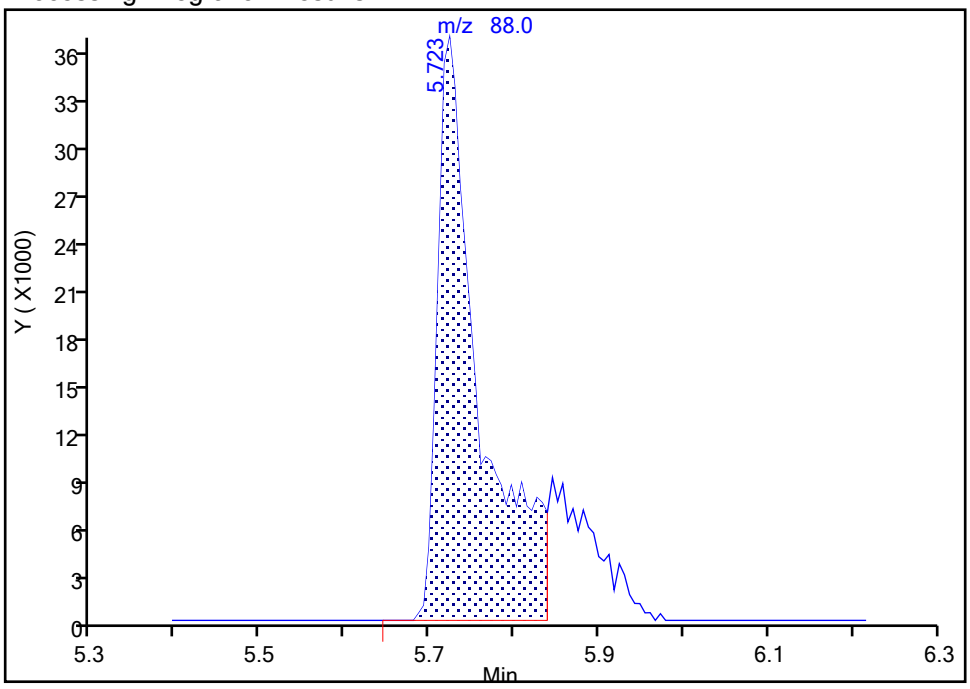
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3505.D
Injection Date: 14-Sep-2021 19:57:30 Instrument ID: HP5973S
Lims ID: IC 6
Client ID:
Operator ID: wd ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

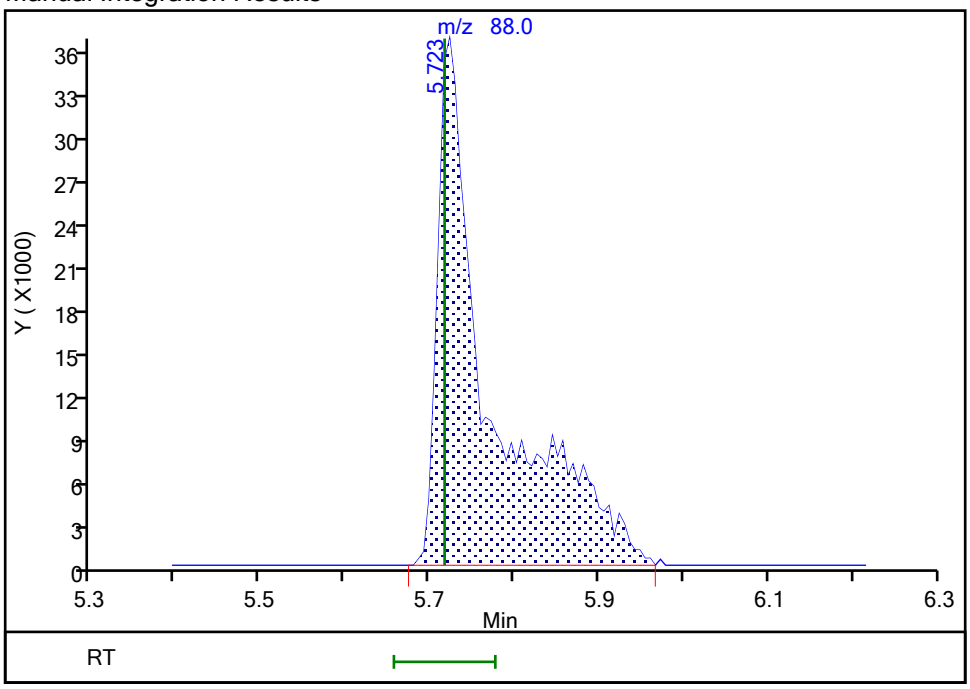
Processing Integration Results

RT: 5.72
Area: 125272
Amount: 971.3086
Amount Units: ug/L



Manual Integration Results

RT: 5.72
Area: 156632
Amount: 983.7750
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:20:34
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3506.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 14-Sep-2021 20:20:30 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 7
Misc. Info.: 480-0100971-011
Operator ID: wd Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Sep-2021 10:50:34 Calib Date: 15-Sep-2021 00:35:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3517.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: HillL Date: 15-Sep-2021 10:21:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.999	0.000	97	171070	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.968	7.962	0.006	87	355314	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.395	10.395	0.000	17	382285	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.433	4.434	-0.001	55	234818	25.0	25.5	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.732	4.732	0.000	40	147869	25.0	24.8	
$ 5 Toluene-d8 (Surr)	98	6.496	6.496	0.000	27	913223	25.0	25.4	
$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.221	0.000	91	308499	25.0	25.7	
10 Dichlorodifluoromethane	85	1.087	1.088	-0.001	88	1126065	100.0	92.5	
12 Chloromethane	50	1.240	1.246	-0.006	88	1456275	100.0	90.5	
13 Vinyl chloride	62	1.319	1.319	0.000	69	1395409	100.0	95.6	
151 Butadiene	54	1.325	1.325	0.000	64	1549780	100.0	89.8	
14 Bromomethane	94	1.586	1.586	0.000	90	840709	100.0	85.7	
15 Chloroethane	64	1.641	1.647	-0.006	95	869828	100.0	85.6	
16 Dichlorofluoromethane	67	1.848	1.848	0.000	81	1931209	100.0	91.7	
17 Trichlorofluoromethane	101	1.854	1.860	-0.006	69	1680465	100.0	93.7	
18 Ethyl ether	59	2.091	2.091	0.000	93	1175952	100.0	95.7	
20 Acrolein	56	2.268	2.274	-0.006	97	415004	500.0	466.8	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.292	2.292	0.000	81	957894	100.0	98.7	
22 1,1-Dichloroethene	96	2.304	2.304	0.000	87	934840	100.0	89.8	
23 Acetone	43	2.414	2.420	-0.006	99	2577588	500.0	489.6	
25 Iodomethane	142	2.462	2.462	0.000	98	1805891	100.0	97.1	
26 Carbon disulfide	76	2.499	2.499	0.000	99	3348924	100.0	100.2	
28 3-Chloro-1-propene	41	2.651	2.651	0.000	89	2045263	100.0	99.7	
27 Methyl acetate	43	2.700	2.700	0.000	96	2600398	200.0	187.6	
30 Methylene Chloride	84	2.803	2.803	0.000	90	1201921	100.0	101.0	
31 2-Methyl-2-propanol	59	2.967	2.973	-0.006	80	1893417	1000.0	1155.2	
32 Methyl tert-butyl ether	73	2.998	2.998	0.000	98	3754097	100.0	100.0	
34 trans-1,2-Dichloroethene	96	3.010	3.010	0.000	96	1125281	100.0	96.0	
33 Acrylonitrile	53	3.077	3.077	0.000	99	6691541	1000.0	932.1	
35 Hexane	57	3.198	3.199	-0.001	88	1756968	100.0	98.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.418	3.418	0.000	84	2146357	100.0	99.8	
37 Vinyl acetate	43	3.478	3.478	0.000	97	6647562	200.0	234.0	
44 2,2-Dichloropropane	77	3.922	3.923	-0.001	92	997150	100.0	91.3	
45 cis-1,2-Dichloroethene	96	3.965	3.965	0.000	66	1244526	100.0	98.2	
43 2-Butanone (MEK)	43	4.002	4.008	-0.006	98	4090724	500.0	508.9	
48 Chlorobromomethane	128	4.196	4.196	0.000	96	674300	100.0	99.2	
49 Tetrahydrofuran	42	4.208	4.208	0.000	88	1077424	200.0	180.6	
50 Chloroform	83	4.275	4.275	0.000	81	2027538	100.0	95.2	
51 1,1,1-Trichloroethane	97	4.379	4.373	0.006	78	1681346	100.0	99.9	
52 Cyclohexane	56	4.379	4.379	0.000	91	2164470	100.0	98.7	
55 Carbon tetrachloride	117	4.513	4.507	0.006	82	1501127	100.0	101.6	
54 1,1-Dichloropropene	75	4.525	4.525	0.000	93	1516803	100.0	102.7	
57 Benzene	78	4.725	4.726	-0.001	97	4728340	100.0	103.4	
53 Isobutyl alcohol	43	4.780	4.780	0.000	60	1629465	2500.0	2905.4	
58 1,2-Dichloroethane	62	4.798	4.805	-0.007	84	1715219	100.0	98.9	
59 n-Heptane	43	4.914	4.914	0.000	93	1997450	100.0	98.9	
62 Trichloroethene	95	5.334	5.334	0.000	92	1112396	100.0	101.7	
64 Methylcyclohexane	83	5.443	5.443	0.000	93	1979741	100.0	99.1	
65 1,2-Dichloropropane	63	5.571	5.577	-0.006	92	1184887	100.0	102.0	
67 Dibromomethane	93	5.711	5.711	0.000	90	717339	100.0	99.2	
66 1,4-Dioxane	88	5.717	5.717	0.000	37	315874	2000.0	2001.1	
68 Dichlorobromomethane	83	5.869	5.869	0.000	93	1478131	100.0	110.7	
69 2-Chloroethyl vinyl ether	63	6.155	6.155	0.000	91	865823	100.0	107.6	
72 cis-1,3-Dichloropropene	75	6.283	6.283	0.000	91	1913051	100.0	111.0	
73 4-Methyl-2-pentanone (MIBK)	43	6.435	6.435	0.000	97	9166410	500.0	510.4	
74 Toluene	92	6.563	6.557	0.006	91	2952411	100.0	102.7	
77 trans-1,3-Dichloropropene	75	6.849	6.855	-0.006	92	1817582	100.0	109.7	
75 Ethyl methacrylate	69	6.903	6.903	0.000	73	1698310	100.0	118.7	
79 1,1,2-Trichloroethane	83	7.037	7.037	0.000	87	881711	100.0	99.2	
81 Tetrachloroethene	166	7.080	7.080	0.000	84	1259170	100.0	100.8	
82 1,3-Dichloropropane	76	7.195	7.195	0.000	94	1853192	100.0	101.3	
80 2-Hexanone	43	7.268	7.275	-0.007	95	6272018	500.0	520.5	
83 Chlorodibromomethane	129	7.427	7.427	0.000	88	1175712	100.0	112.4	
84 Ethylene Dibromide	107	7.518	7.518	0.000	98	1167758	100.0	105.1	
87 Chlorobenzene	112	7.992	7.992	0.000	94	3406548	100.0	103.9	
88 Ethylbenzene	91	8.090	8.090	0.000	98	5734845	100.0	106.1	
89 1,1,1,2-Tetrachloroethane	131	8.096	8.096	0.000	42	1286013	100.0	108.4	
90 m-Xylene & p-Xylene	106	8.211	8.211	0.000	99	2287241	100.0	104.3	
91 o-Xylene	106	8.637	8.631	0.006	97	2274108	100.0	104.9	
92 Styrene	104	8.668	8.668	0.000	84	3945013	100.0	110.8	
95 Bromoform	173	8.911	8.911	0.000	97	876060	100.0	120.5	
94 Isopropylbenzene	105	9.020	9.021	-0.001	95	6055313	100.0	104.3	
101 Bromobenzene	156	9.367	9.367	0.000	92	1537890	100.0	103.8	
97 1,1,2,2-Tetrachloroethane	83	9.452	9.452	0.000	62	1622995	100.0	102.0	
99 N-Propylbenzene	91	9.465	9.465	0.000	98	6812030	100.0	104.8	
100 1,2,3-Trichloropropane	110	9.477	9.477	0.000	63	548899	100.0	99.5	
98 trans-1,4-Dichloro-2-butene	53	9.501	9.495	0.006	94	559380	100.0	101.7	
103 2-Chlorotoluene	126	9.562	9.562	0.000	96	1374487	100.0	97.1	
102 1,3,5-Trimethylbenzene	105	9.653	9.653	0.000	93	5227235	100.0	105.8	
105 4-Chlorotoluene	126	9.684	9.684	0.000	98	1430719	100.0	102.2	
106 tert-Butylbenzene	134	9.976	9.976	0.000	90	1102985	100.0	100.7	
107 1,2,4-Trimethylbenzene	105	10.036	10.037	-0.001	63	5410645	100.0	105.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.195	10.195	0.000	93	6519040	100.0	106.7	
111 1,3-Dichlorobenzene	146	10.328	10.329	-0.001	98	3010720	100.0	103.0	
110 4-Isopropyltoluene	119	10.341	10.341	0.000	95	5840893	100.0	107.1	
113 1,4-Dichlorobenzene	146	10.420	10.420	0.000	96	3078919	100.0	103.0	
115 n-Butylbenzene	91	10.736	10.736	0.000	94	4814219	100.0	106.2	
116 1,2-Dichlorobenzene	146	10.773	10.773	0.000	97	3019504	100.0	101.3	
117 1,2-Dibromo-3-Chloropropane	75	11.521	11.521	0.000	87	358556	100.0	110.5	
119 1,2,4-Trichlorobenzene	180	12.196	12.196	0.000	94	2167557	100.0	96.1	
120 Hexachlorobutadiene	225	12.312	12.312	0.000	94	907763	100.0	94.8	
121 Naphthalene	128	12.409	12.409	0.000	96	7169814	100.0	105.9	
122 1,2,3-Trichlorobenzene	180	12.610	12.610	0.000	95	2164725	100.0	97.0	
S 123 Total BTEX	1				0			521.5	
S 126 1,3-Dichloropropene, Total	1				0			220.7	
S 125 1,2-Dichloroethene, Total	1				0			194.1	
S 124 Xylenes, Total	1				0			209.3	

QC Flag Legend

Processing Flags

Reagents:

GAS CORP mix_00472	Amount Added:	50.00	Units: uL	
8260 CORP mix_00214	Amount Added:	50.00	Units: uL	
S_8260_IS_00351	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00398	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 15-Sep-2021 10:50:35 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3506.D

Injection Date: 14-Sep-2021 20:20:30 Instrument ID: HP5973S Operator ID: wd

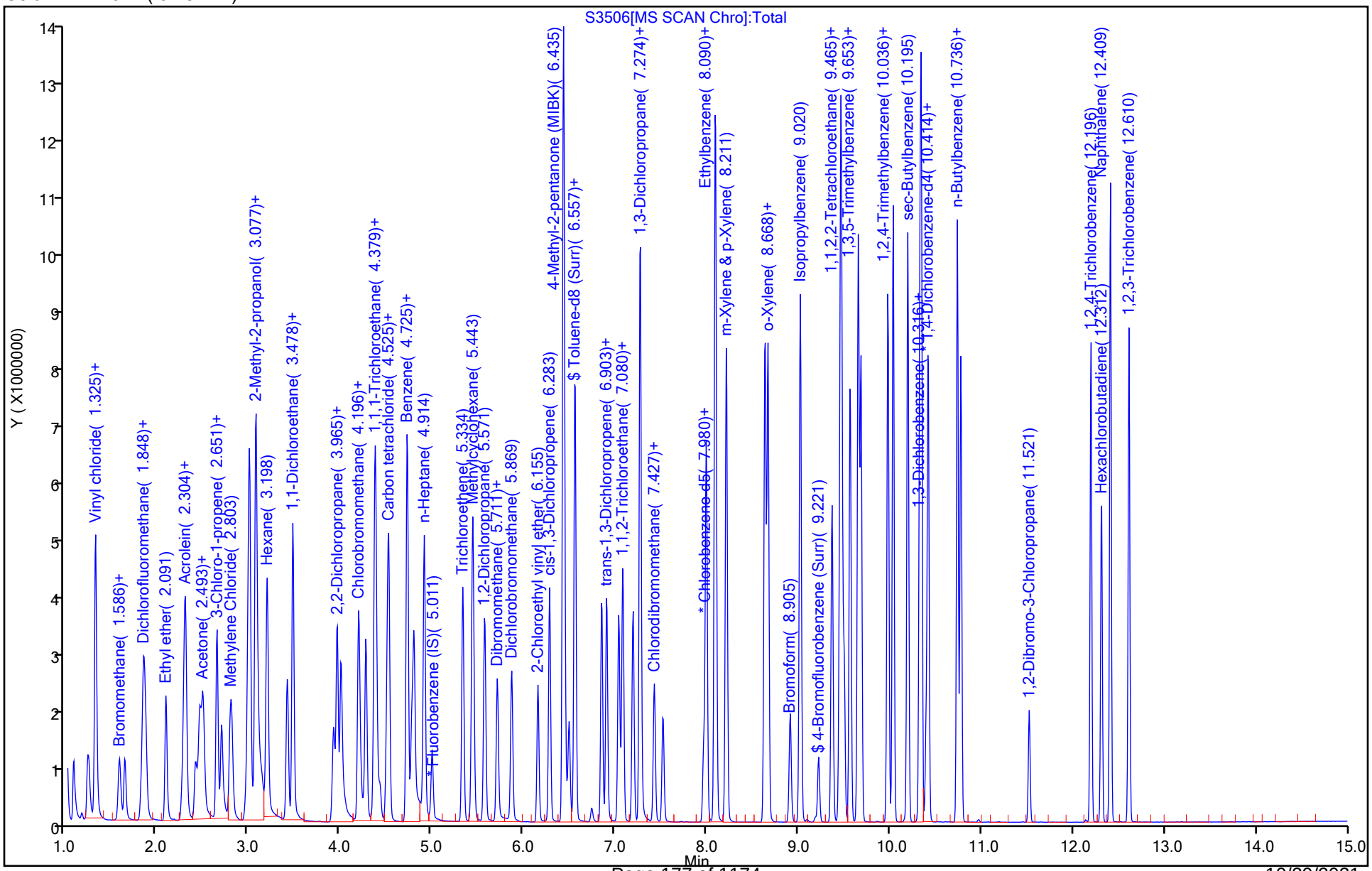
Lims ID: IC 7 Worklist Smp#: 11

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 11

Method: S-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Calibration / Dichlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

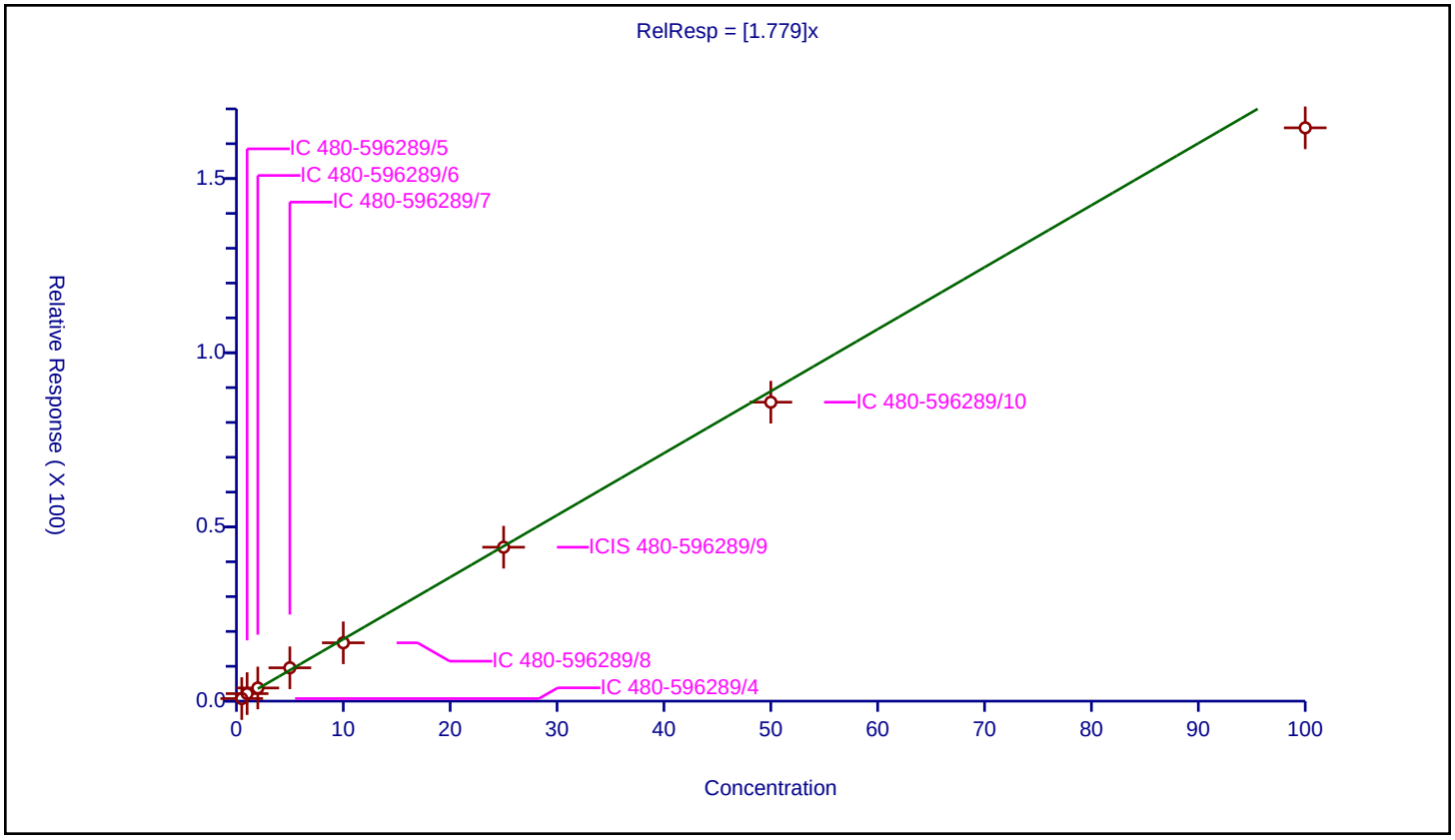
Curve Coefficients

Intercept:	0
Slope:	1.779

Error Coefficients

Standard Error:	498000
Relative Standard Error:	11.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.734395	25.0	166804.0	1.46879	Y
2	IC 480-596289/5	1.0	2.158441	25.0	159409.0	2.158441	Y
3	IC 480-596289/6	2.0	3.776693	25.0	151634.0	1.888346	Y
4	IC 480-596289/7	5.0	9.568445	25.0	159574.0	1.913689	Y
5	IC 480-596289/8	10.0	16.745242	25.0	168309.0	1.674524	Y
6	ICIS 480-596289/9	25.0	44.187629	25.0	171221.0	1.767505	Y
7	IC 480-596289/10	50.0	85.814585	25.0	174549.0	1.716292	Y
8	IC 480-596289/11	100.0	164.562021	25.0	171070.0	1.64562	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

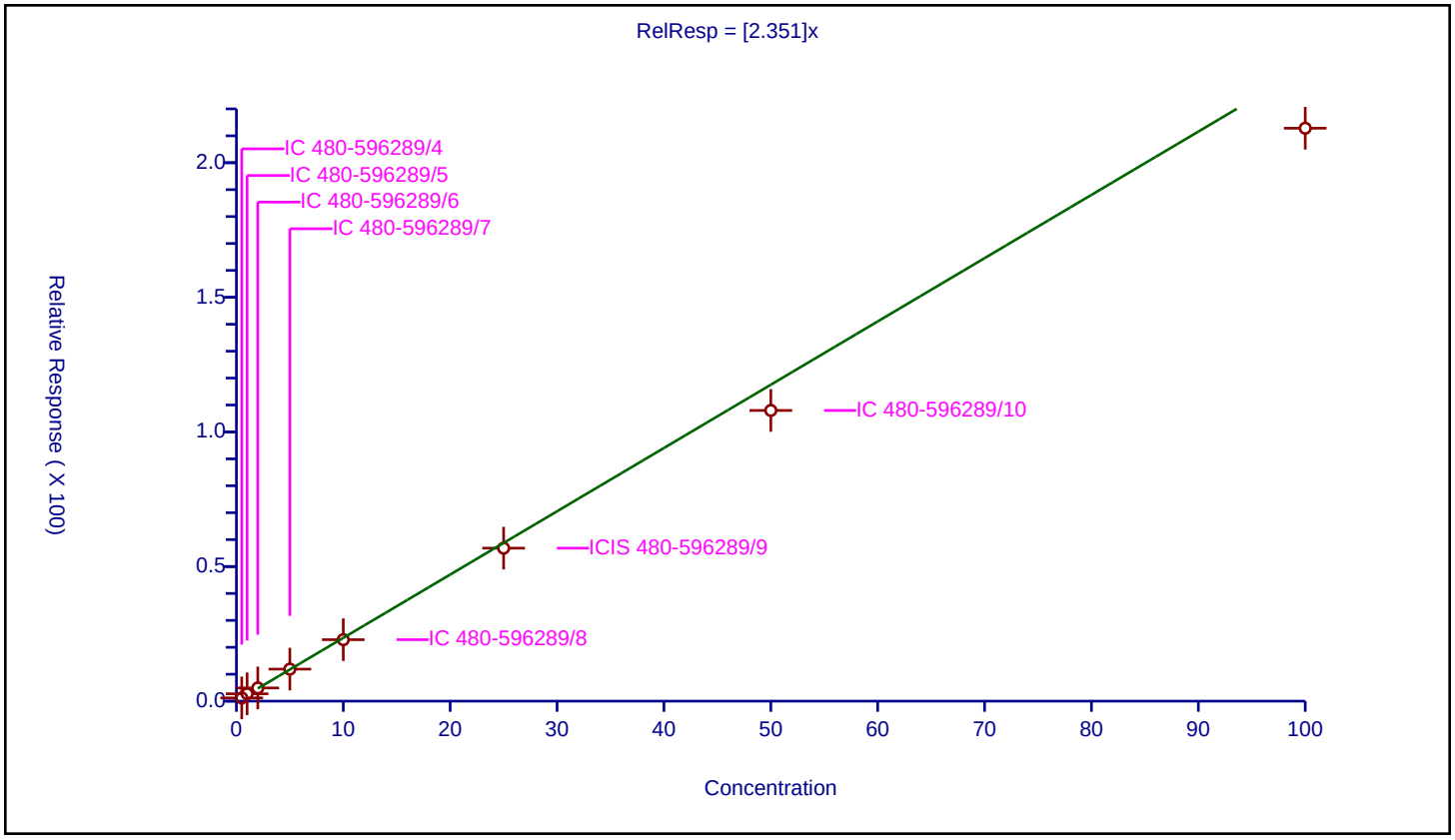
Curve Coefficients

Intercept:	0
Slope:	2.351

Error Coefficients

Standard Error:	640000
Relative Standard Error:	8.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	1.198113	25.0	166804.0	2.396226	Y
2	IC 480-596289/5	1.0	2.737142	25.0	159409.0	2.737142	Y
3	IC 480-596289/6	2.0	4.897978	25.0	151634.0	2.448989	Y
4	IC 480-596289/7	5.0	11.897928	25.0	159574.0	2.379586	Y
5	IC 480-596289/8	10.0	22.824686	25.0	168309.0	2.282469	Y
6	ICIS 480-596289/9	25.0	56.83196	25.0	171221.0	2.273278	Y
7	IC 480-596289/10	50.0	107.983288	25.0	174549.0	2.159666	Y
8	IC 480-596289/11	100.0	212.818583	25.0	171070.0	2.128186	Y



Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

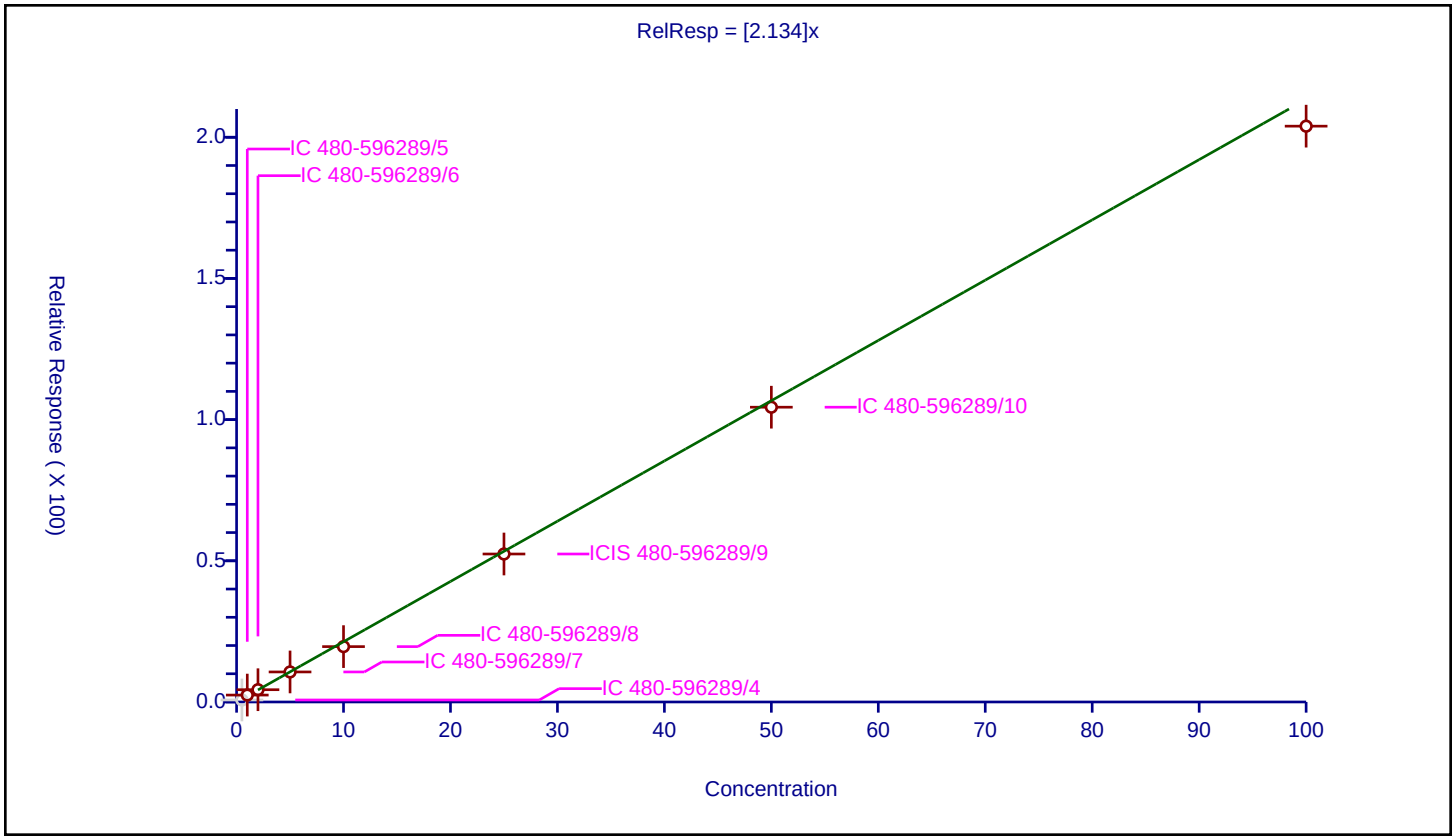
Curve Coefficients

Intercept:	0
Slope:	2.134

Error Coefficients

Standard Error:	662000
Relative Standard Error:	7.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.710864	25.0	166804.0	1.421728	N
2	IC 480-596289/5	1.0	2.454222	25.0	159409.0	2.454222	Y
3	IC 480-596289/6	2.0	4.34698	25.0	151634.0	2.17349	Y
4	IC 480-596289/7	5.0	10.634878	25.0	159574.0	2.126976	Y
5	IC 480-596289/8	10.0	19.608726	25.0	168309.0	1.960873	Y
6	ICIS 480-596289/9	25.0	52.407999	25.0	171221.0	2.09632	Y
7	IC 480-596289/10	50.0	104.394325	25.0	174549.0	2.087886	Y
8	IC 480-596289/11	100.0	203.923686	25.0	171070.0	2.039237	Y



Calibration / Butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

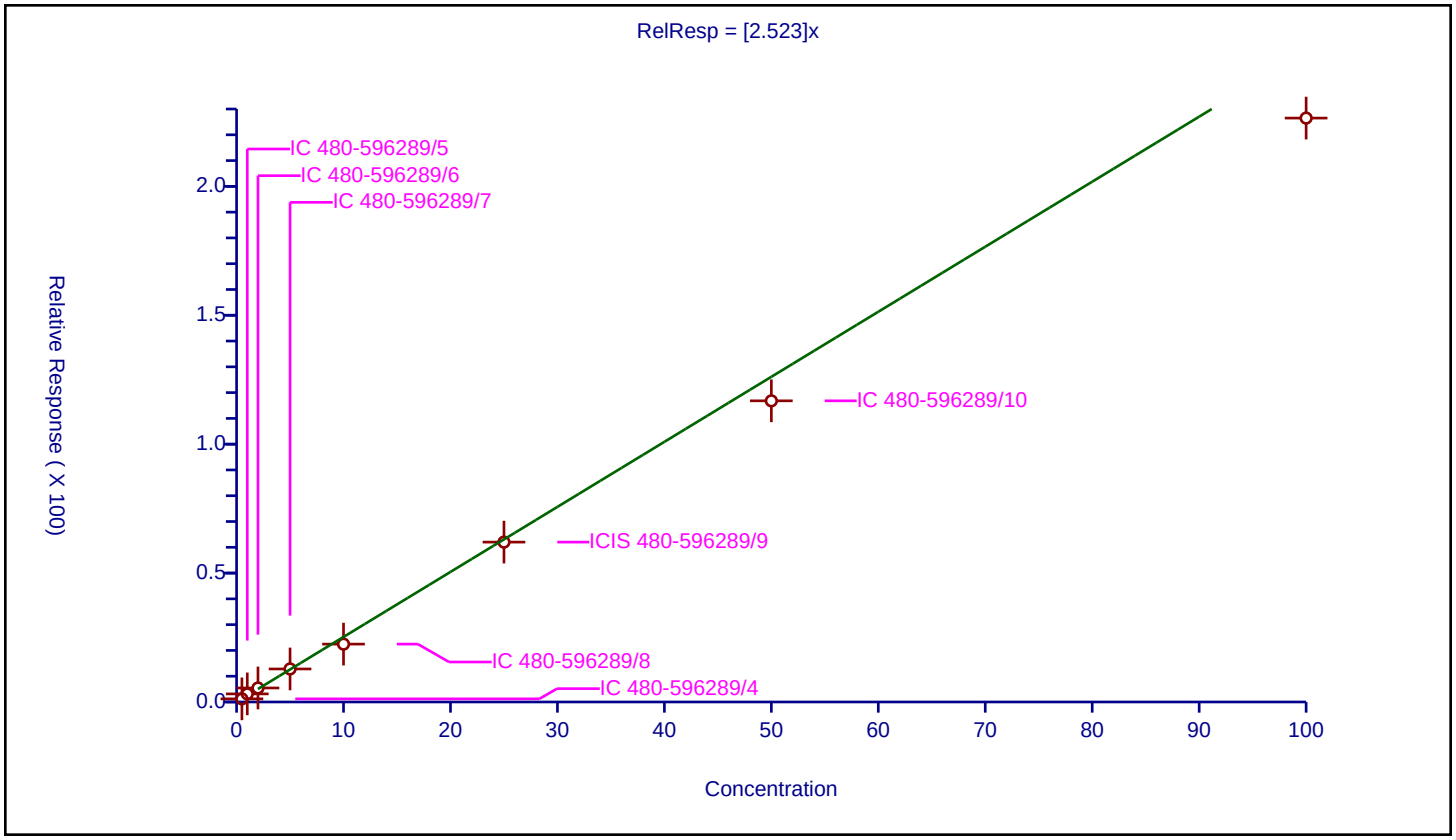
Curve Coefficients

Intercept:	0
Slope:	2.523

Error Coefficients

Standard Error:	684000
Relative Standard Error:	11.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	1.215948	25.0	166804.0	2.431896	Y
2	IC 480-596289/5	1.0	3.1438	25.0	159409.0	3.1438	Y
3	IC 480-596289/6	2.0	5.431829	25.0	151634.0	2.715915	Y
4	IC 480-596289/7	5.0	12.814274	25.0	159574.0	2.562855	Y
5	IC 480-596289/8	10.0	22.445918	25.0	168309.0	2.244592	Y
6	ICIS 480-596289/9	25.0	62.012107	25.0	171221.0	2.480484	Y
7	IC 480-596289/10	50.0	116.807458	25.0	174549.0	2.336149	Y
8	IC 480-596289/11	100.0	226.483311	25.0	171070.0	2.264833	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

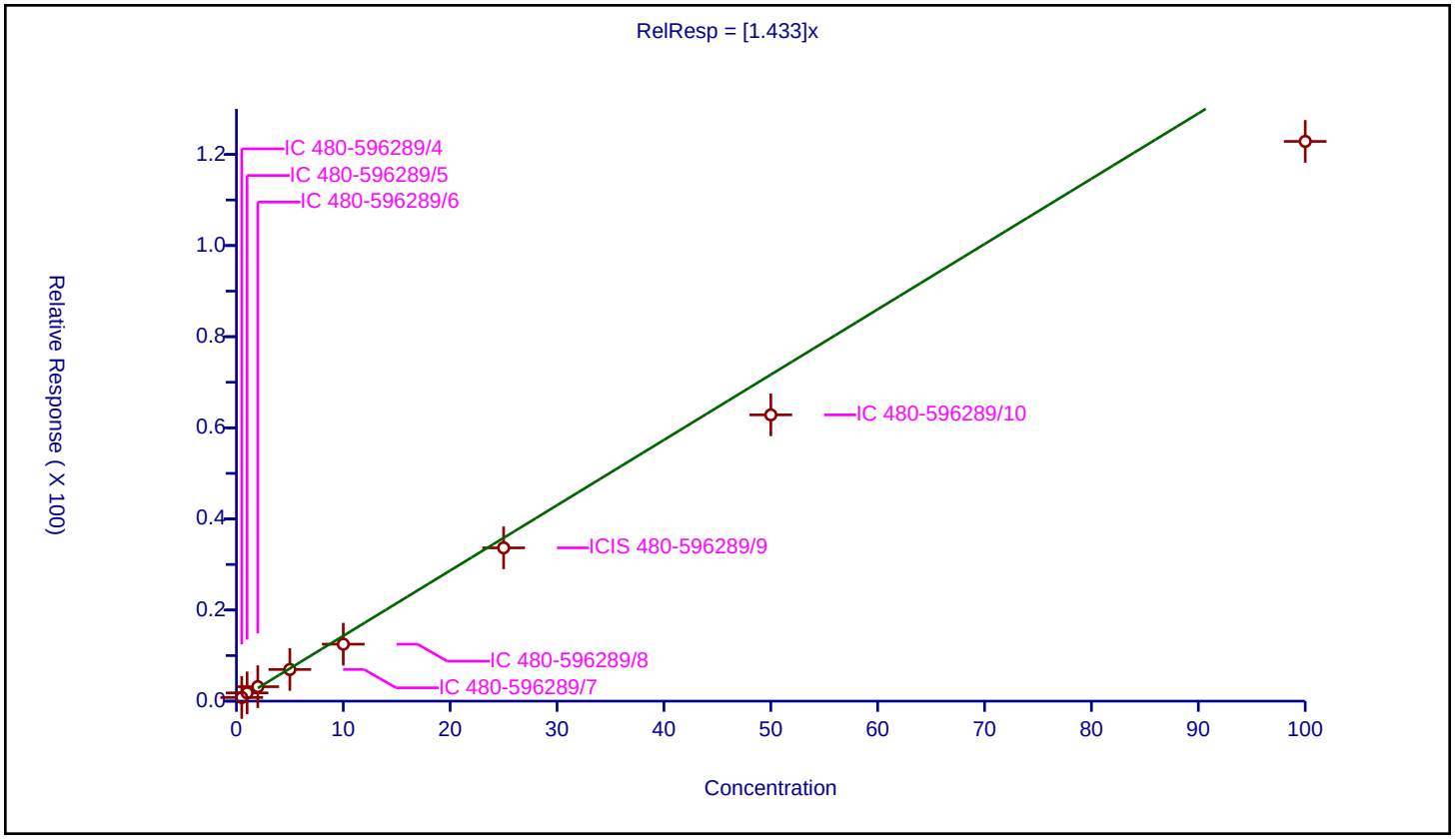
Curve Coefficients

Intercept:	0
Slope:	1.433

Error Coefficients

Standard Error:	371000
Relative Standard Error:	14.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.966

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.797043	25.0	166804.0	1.594086	Y
2	IC 480-596289/5	1.0	1.817181	25.0	159409.0	1.817181	Y
3	IC 480-596289/6	2.0	3.169144	25.0	151634.0	1.584572	Y
4	IC 480-596289/7	5.0	6.94568	25.0	159574.0	1.389136	Y
5	IC 480-596289/8	10.0	12.502599	25.0	168309.0	1.25026	Y
6	ICIS 480-596289/9	25.0	33.650808	25.0	171221.0	1.346032	Y
7	IC 480-596289/10	50.0	62.837799	25.0	174549.0	1.256756	Y
8	IC 480-596289/11	100.0	122.860379	25.0	171070.0	1.228604	Y



Calibration / Chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

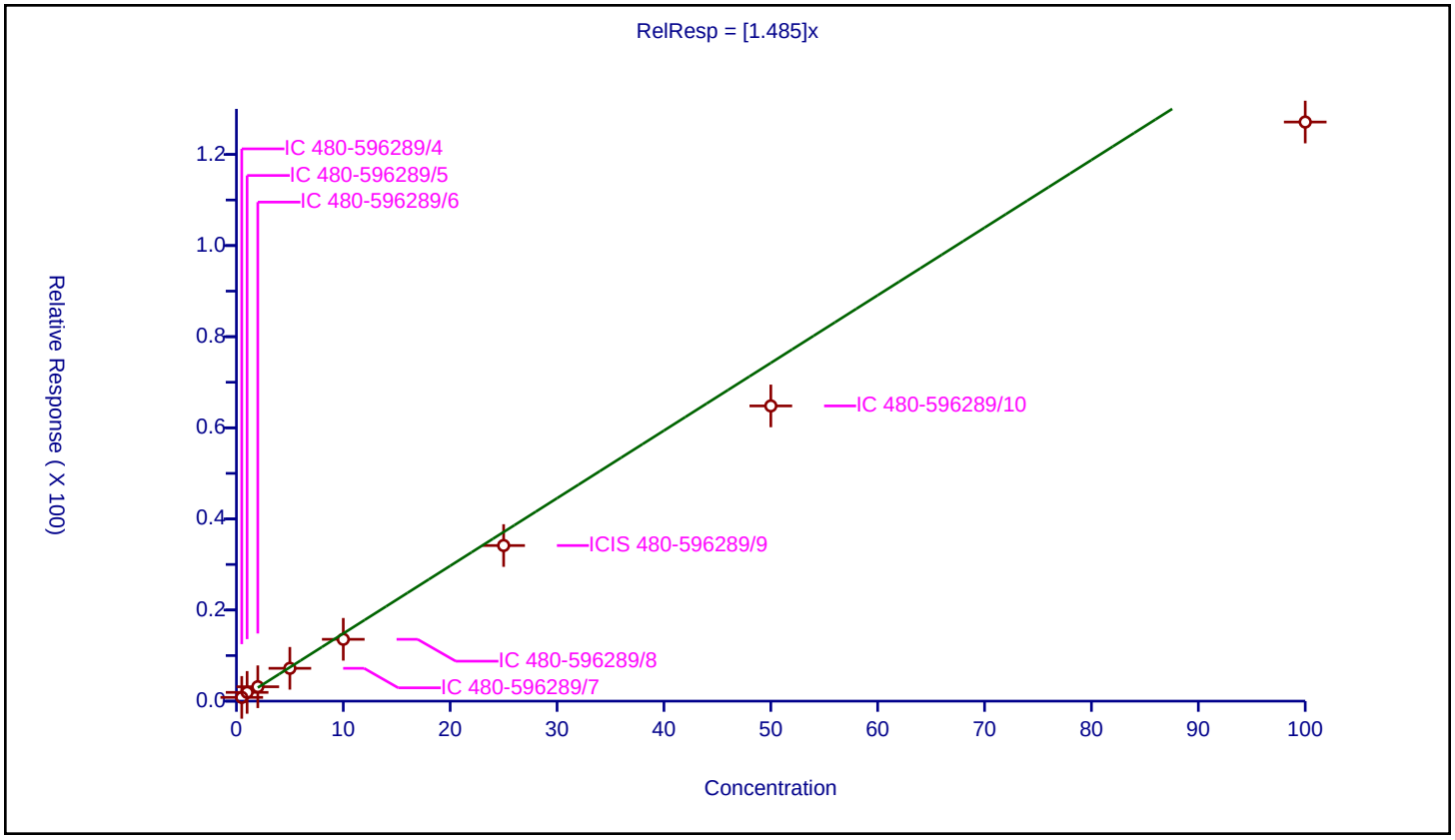
Curve Coefficients

Intercept:	0
Slope:	1.485

Error Coefficients

Standard Error:	383000
Relative Standard Error:	14.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.966

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.822222	25.0	166804.0	1.644445	Y
2	IC 480-596289/5	1.0	1.920531	25.0	159409.0	1.920531	Y
3	IC 480-596289/6	2.0	3.16156	25.0	151634.0	1.58078	Y
4	IC 480-596289/7	5.0	7.206688	25.0	159574.0	1.441338	Y
5	IC 480-596289/8	10.0	13.574586	25.0	168309.0	1.357459	Y
6	ICIS 480-596289/9	25.0	34.158485	25.0	171221.0	1.366339	Y
7	IC 480-596289/10	50.0	64.800285	25.0	174549.0	1.296006	Y
8	IC 480-596289/11	100.0	127.115801	25.0	171070.0	1.271158	Y



Calibration / Dichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

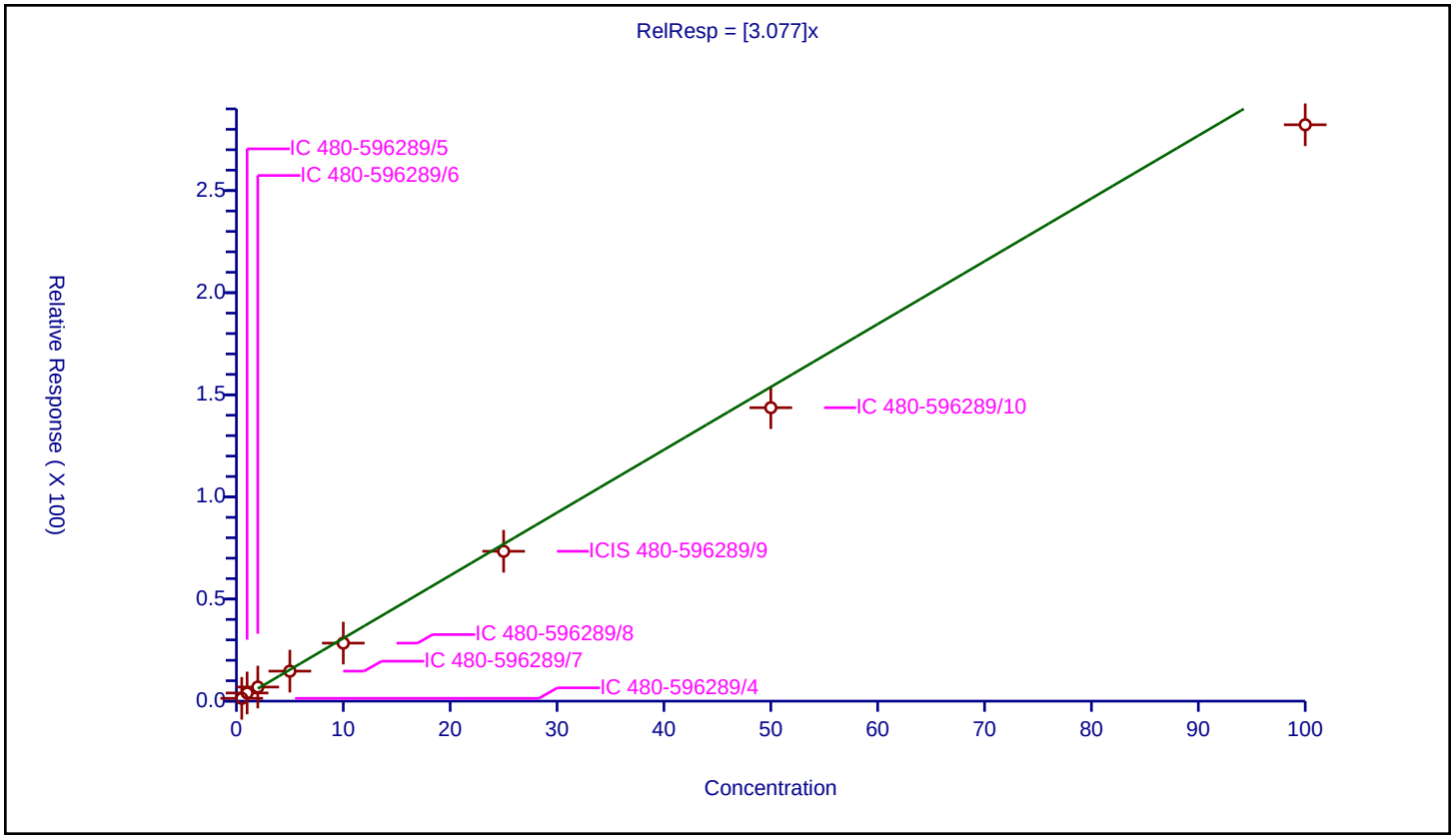
Curve Coefficients

Intercept:	0
Slope:	3.077

Error Coefficients

Standard Error:	848000
Relative Standard Error:	13.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.974

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	1.379463	25.0	166804.0	2.758927	Y
2	IC 480-596289/5	1.0	3.991305	25.0	159409.0	3.991305	Y
3	IC 480-596289/6	2.0	6.90973	25.0	151634.0	3.454865	Y
4	IC 480-596289/7	5.0	14.685193	25.0	159574.0	2.937039	Y
5	IC 480-596289/8	10.0	28.409206	25.0	168309.0	2.840921	Y
6	ICIS 480-596289/9	25.0	73.372425	25.0	171221.0	2.934897	Y
7	IC 480-596289/10	50.0	143.687732	25.0	174549.0	2.873755	Y
8	IC 480-596289/11	100.0	282.224966	25.0	171070.0	2.82225	Y



Calibration / Trichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

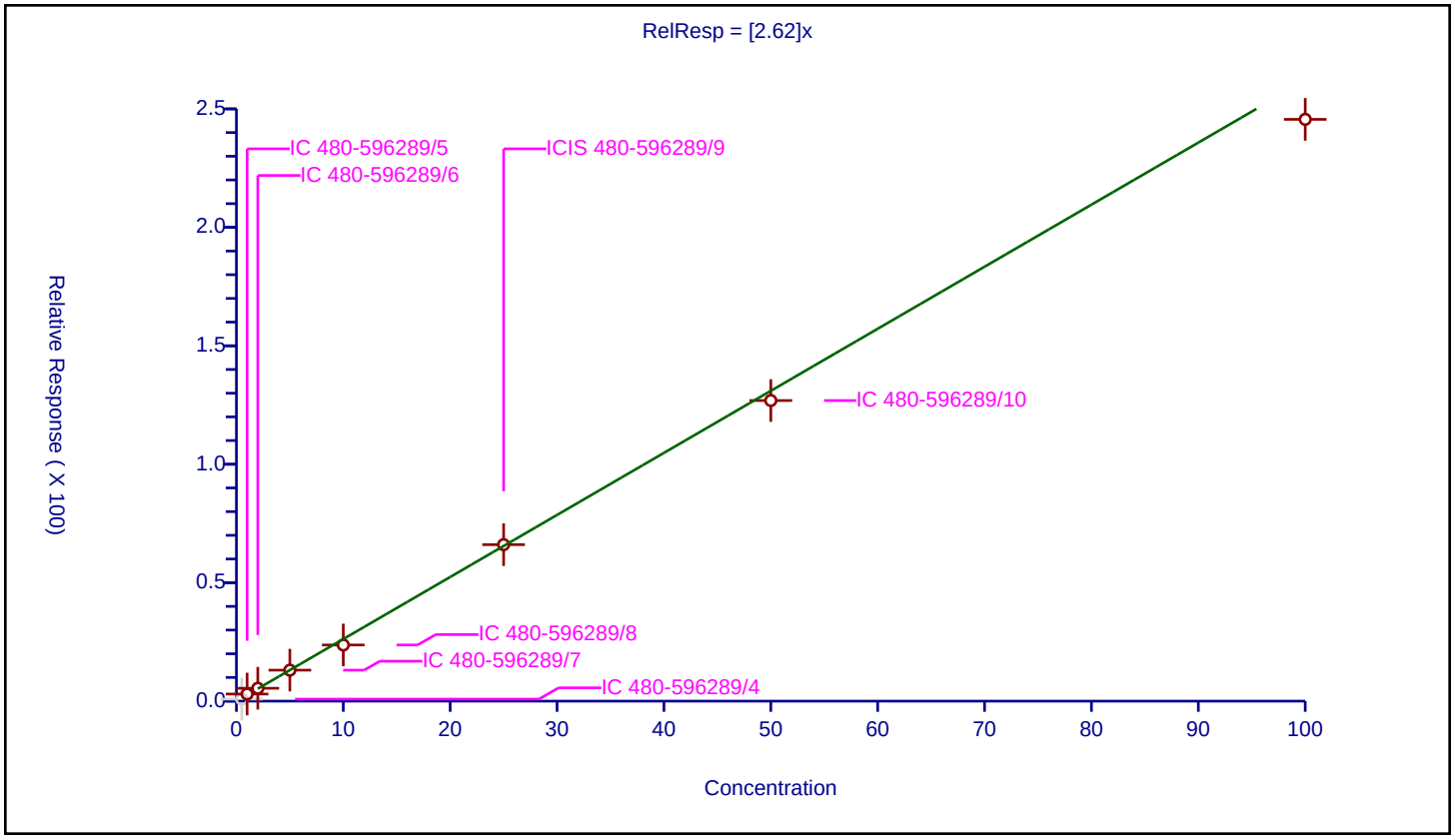
Curve Coefficients

Intercept:	0
Slope:	2.62

Error Coefficients

Standard Error:	801000
Relative Standard Error:	7.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.855345	25.0	166804.0	1.71069	N
2	IC 480-596289/5	1.0	2.998262	25.0	159409.0	2.998262	Y
3	IC 480-596289/6	2.0	5.435292	25.0	151634.0	2.717646	Y
4	IC 480-596289/7	5.0	13.076535	25.0	159574.0	2.615307	Y
5	IC 480-596289/8	10.0	23.700159	25.0	168309.0	2.370016	Y
6	ICIS 480-596289/9	25.0	66.058486	25.0	171221.0	2.642339	Y
7	IC 480-596289/10	50.0	126.896316	25.0	174549.0	2.537926	Y
8	IC 480-596289/11	100.0	245.581487	25.0	171070.0	2.455815	Y



Calibration / Ethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

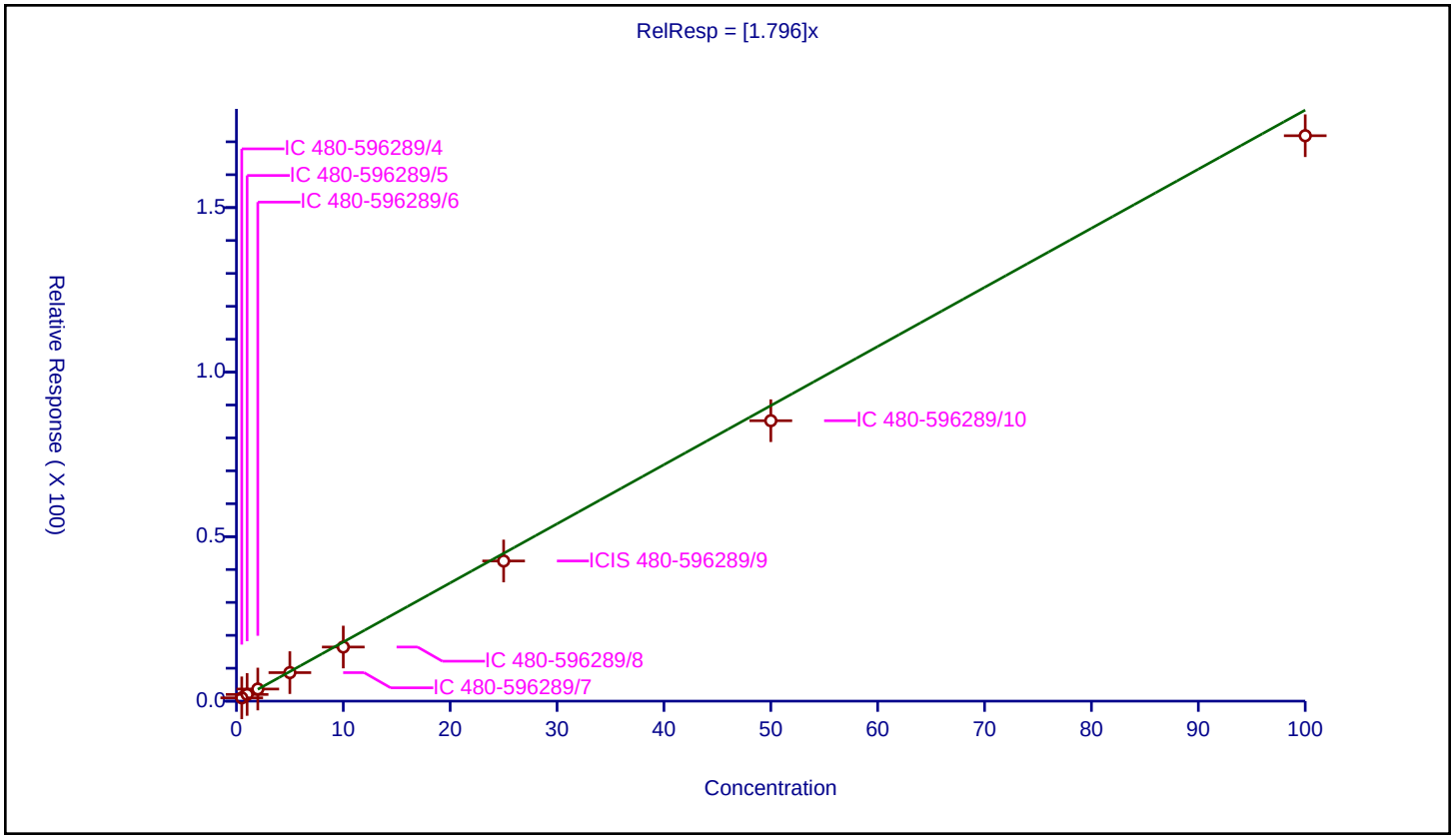
Curve Coefficients

Intercept:	0
Slope:	1.796

Error Coefficients

Standard Error:	512000
Relative Standard Error:	8.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.996379	25.0	166804.0	1.992758	Y
2	IC 480-596289/5	1.0	2.033449	25.0	159409.0	2.033449	Y
3	IC 480-596289/6	2.0	3.681562	25.0	151634.0	1.840781	Y
4	IC 480-596289/7	5.0	8.664789	25.0	159574.0	1.732958	Y
5	IC 480-596289/8	10.0	16.447427	25.0	168309.0	1.644743	Y
6	ICIS 480-596289/9	25.0	42.598163	25.0	171221.0	1.703927	Y
7	IC 480-596289/10	50.0	85.233659	25.0	174549.0	1.704673	Y
8	IC 480-596289/11	100.0	171.852458	25.0	171070.0	1.718525	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

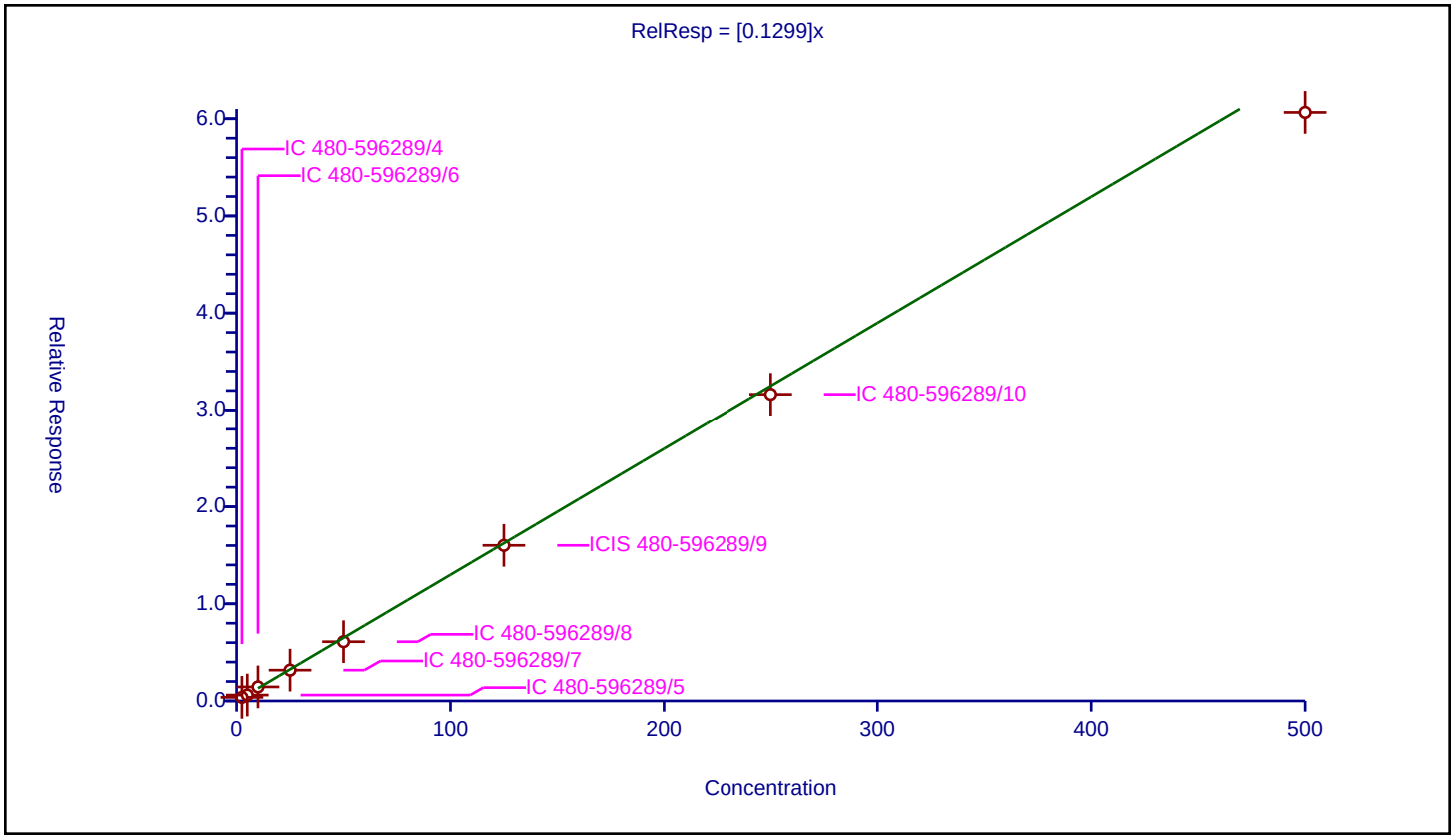
Curve Coefficients

Intercept:	0
Slope:	0.1299

Error Coefficients

Standard Error:	183000
Relative Standard Error:	8.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	2.5	0.372743	25.0	166804.0	0.149097	Y
2	IC 480-596289/5	5.0	0.606302	25.0	159409.0	0.12126	Y
3	IC 480-596289/6	10.0	1.443937	25.0	151634.0	0.144394	Y
4	IC 480-596289/7	25.0	3.170316	25.0	159574.0	0.126813	Y
5	IC 480-596289/8	50.0	6.09801	25.0	168309.0	0.12196	Y
6	ICIS 480-596289/9	125.0	16.018333	25.0	171221.0	0.128147	Y
7	IC 480-596289/10	250.0	31.618056	25.0	174549.0	0.126472	Y
8	IC 480-596289/11	500.0	60.648273	25.0	171070.0	0.121297	Y



Calibration / 1,1,2-Trichloro-1,2,2-trifluoroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

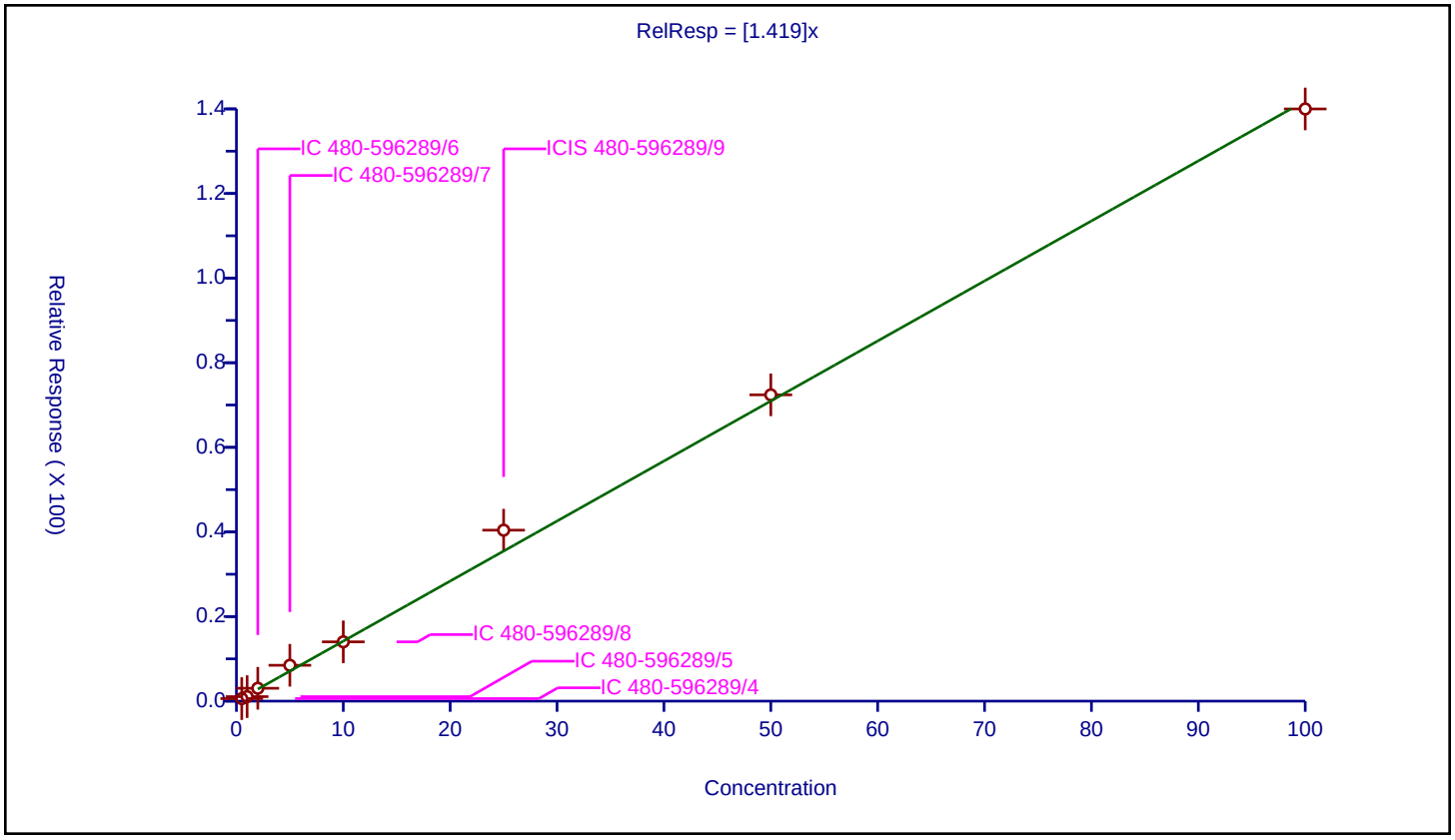
Curve Coefficients

Intercept:	0
Slope:	1.419

Error Coefficients

Standard Error:	425000
Relative Standard Error:	14.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.975

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.600855	25.0	166804.0	1.20171	Y
2	IC 480-596289/5	1.0	1.064871	25.0	159409.0	1.064871	Y
3	IC 480-596289/6	2.0	3.046151	25.0	151634.0	1.523075	Y
4	IC 480-596289/7	5.0	8.476475	25.0	159574.0	1.695295	Y
5	IC 480-596289/8	10.0	14.019749	25.0	168309.0	1.401975	Y
6	ICIS 480-596289/9	25.0	40.414727	25.0	171221.0	1.616589	Y
7	IC 480-596289/10	50.0	72.4056	25.0	174549.0	1.448112	Y
8	IC 480-596289/11	100.0	139.985678	25.0	171070.0	1.399857	Y



Calibration / 1,1-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

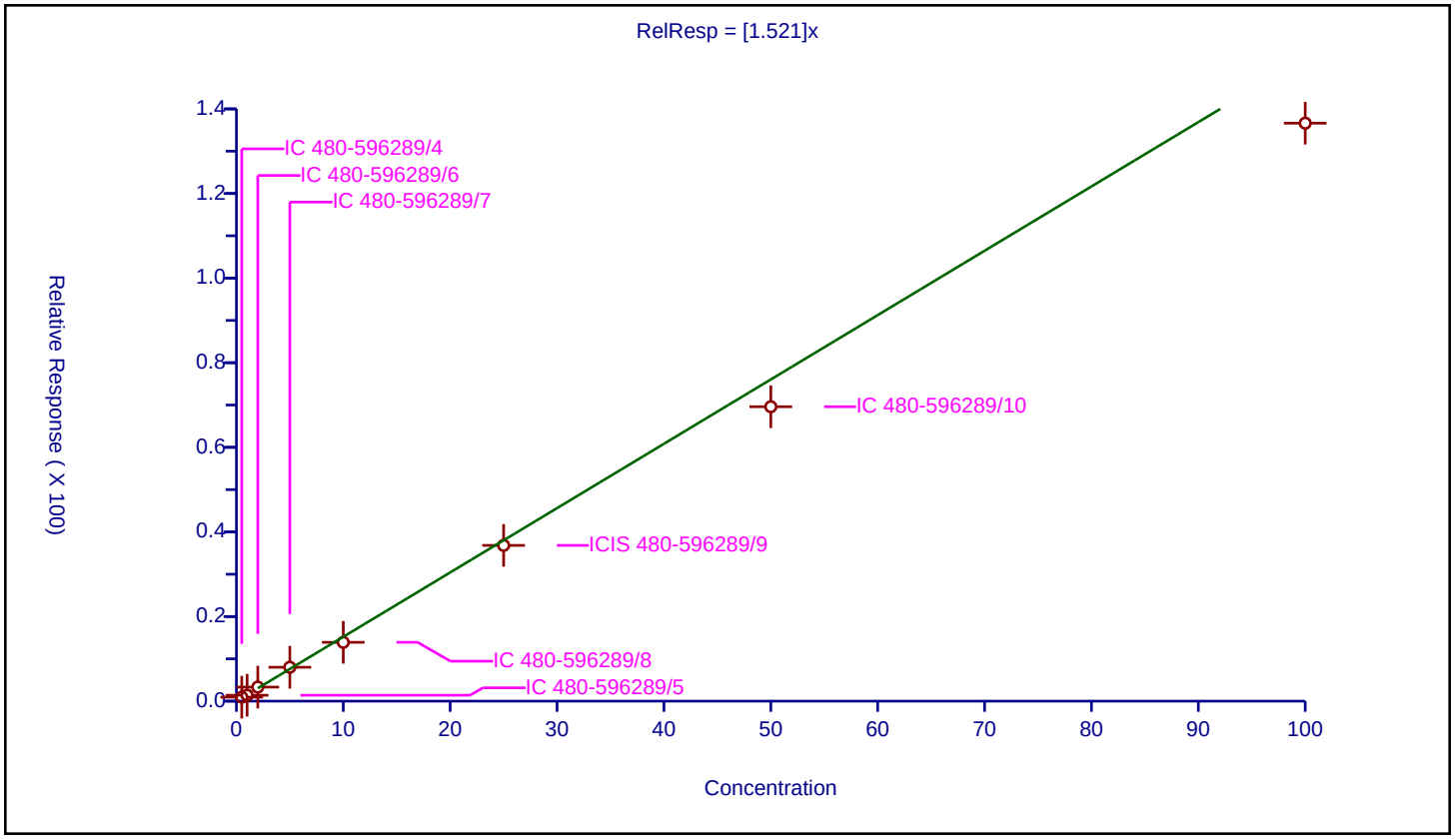
Curve Coefficients

Intercept:	0
Slope:	1.521

Error Coefficients

Standard Error:	411000
Relative Standard Error:	12.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.942573	25.0	166804.0	1.885147	Y
2	IC 480-596289/5	1.0	1.395937	25.0	159409.0	1.395937	Y
3	IC 480-596289/6	2.0	3.323463	25.0	151634.0	1.661732	Y
4	IC 480-596289/7	5.0	8.012897	25.0	159574.0	1.602579	Y
5	IC 480-596289/8	10.0	13.902851	25.0	168309.0	1.390285	Y
6	ICIS 480-596289/9	25.0	36.815432	25.0	171221.0	1.472617	Y
7	IC 480-596289/10	50.0	69.595787	25.0	174549.0	1.391916	Y
8	IC 480-596289/11	100.0	136.61659	25.0	171070.0	1.366166	Y



Calibration / Acetone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

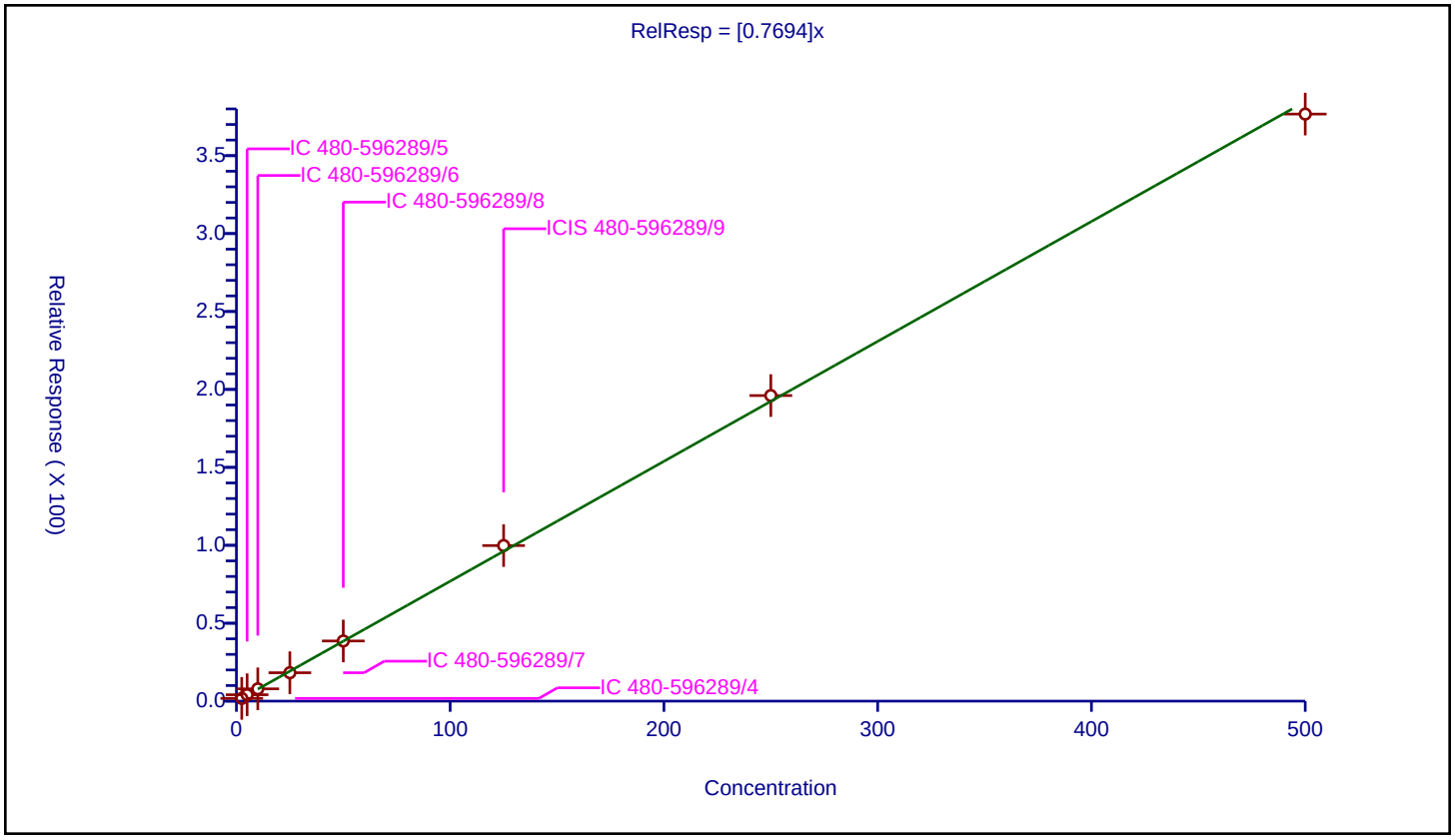
Curve Coefficients

Intercept:	0
Slope:	0.7694

Error Coefficients

Standard Error:	1140000
Relative Standard Error:	4.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	2.5	1.768393	25.0	166804.0	0.707357	Y
2	IC 480-596289/5	5.0	4.112378	25.0	159409.0	0.822476	Y
3	IC 480-596289/6	10.0	7.881478	25.0	151634.0	0.788148	Y
4	IC 480-596289/7	25.0	18.227123	25.0	159574.0	0.729085	Y
5	IC 480-596289/8	50.0	38.598946	25.0	168309.0	0.771979	Y
6	ICIS 480-596289/9	125.0	99.828292	25.0	171221.0	0.798626	Y
7	IC 480-596289/10	250.0	196.077606	25.0	174549.0	0.78431	Y
8	IC 480-596289/11	500.0	376.686152	25.0	171070.0	0.753372	Y



Calibration / Iodomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

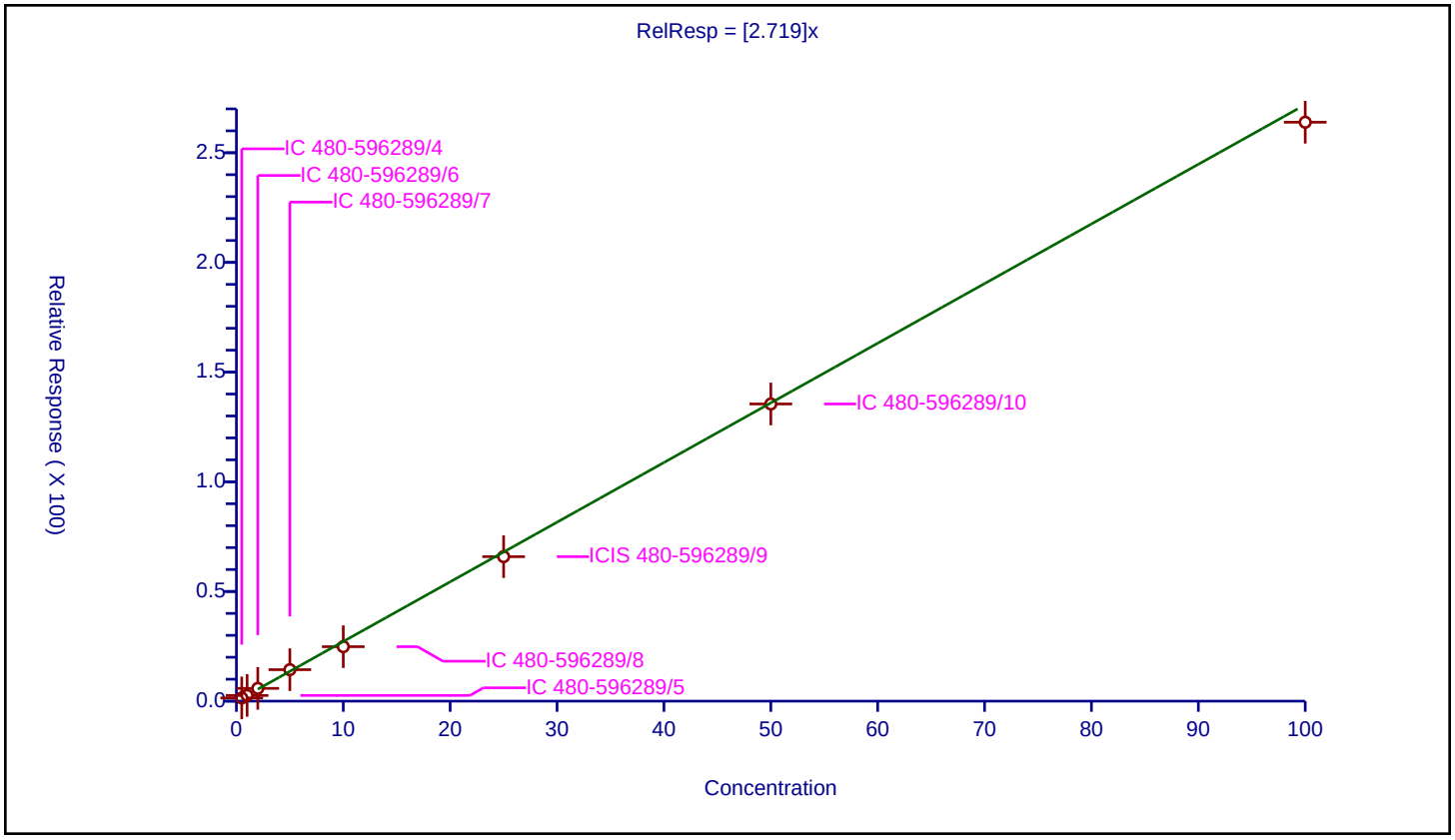
Curve Coefficients

Intercept:	0
Slope:	2.719

Error Coefficients

Standard Error:	792000
Relative Standard Error:	6.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	1.459497	25.0	166804.0	2.918995	Y
2	IC 480-596289/5	1.0	2.588624	25.0	159409.0	2.588624	Y
3	IC 480-596289/6	2.0	5.821748	25.0	151634.0	2.910874	Y
4	IC 480-596289/7	5.0	14.349769	25.0	159574.0	2.869954	Y
5	IC 480-596289/8	10.0	24.828589	25.0	168309.0	2.482859	Y
6	ICIS 480-596289/9	25.0	65.867213	25.0	171221.0	2.634689	Y
7	IC 480-596289/10	50.0	135.471988	25.0	174549.0	2.70944	Y
8	IC 480-596289/11	100.0	263.911118	25.0	171070.0	2.639111	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

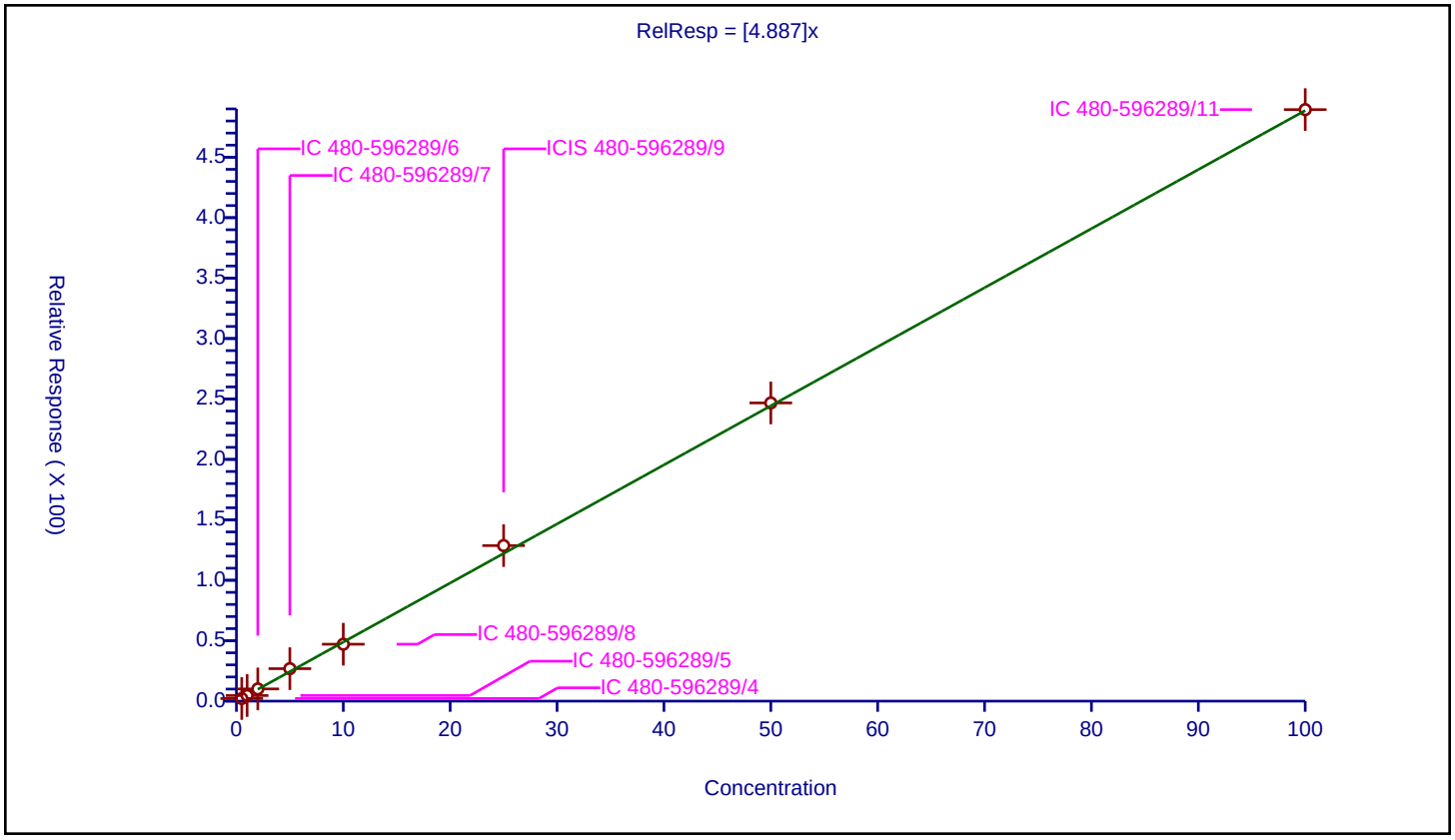
Curve Coefficients

Intercept:	0
Slope:	4.887

Error Coefficients

Standard Error:	1470000
Relative Standard Error:	6.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	2.177706	25.0	166804.0	4.355411	Y
2	IC 480-596289/5	1.0	4.631012	25.0	159409.0	4.631012	Y
3	IC 480-596289/6	2.0	10.094042	25.0	151634.0	5.047021	Y
4	IC 480-596289/7	5.0	26.865435	25.0	159574.0	5.373087	Y
5	IC 480-596289/8	10.0	47.095075	25.0	168309.0	4.709508	Y
6	ICIS 480-596289/9	25.0	128.701211	25.0	171221.0	5.148048	Y
7	IC 480-596289/10	50.0	246.719546	25.0	174549.0	4.934391	Y
8	IC 480-596289/11	100.0	489.408429	25.0	171070.0	4.894084	Y



Calibration / 3-Chloro-1-propene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

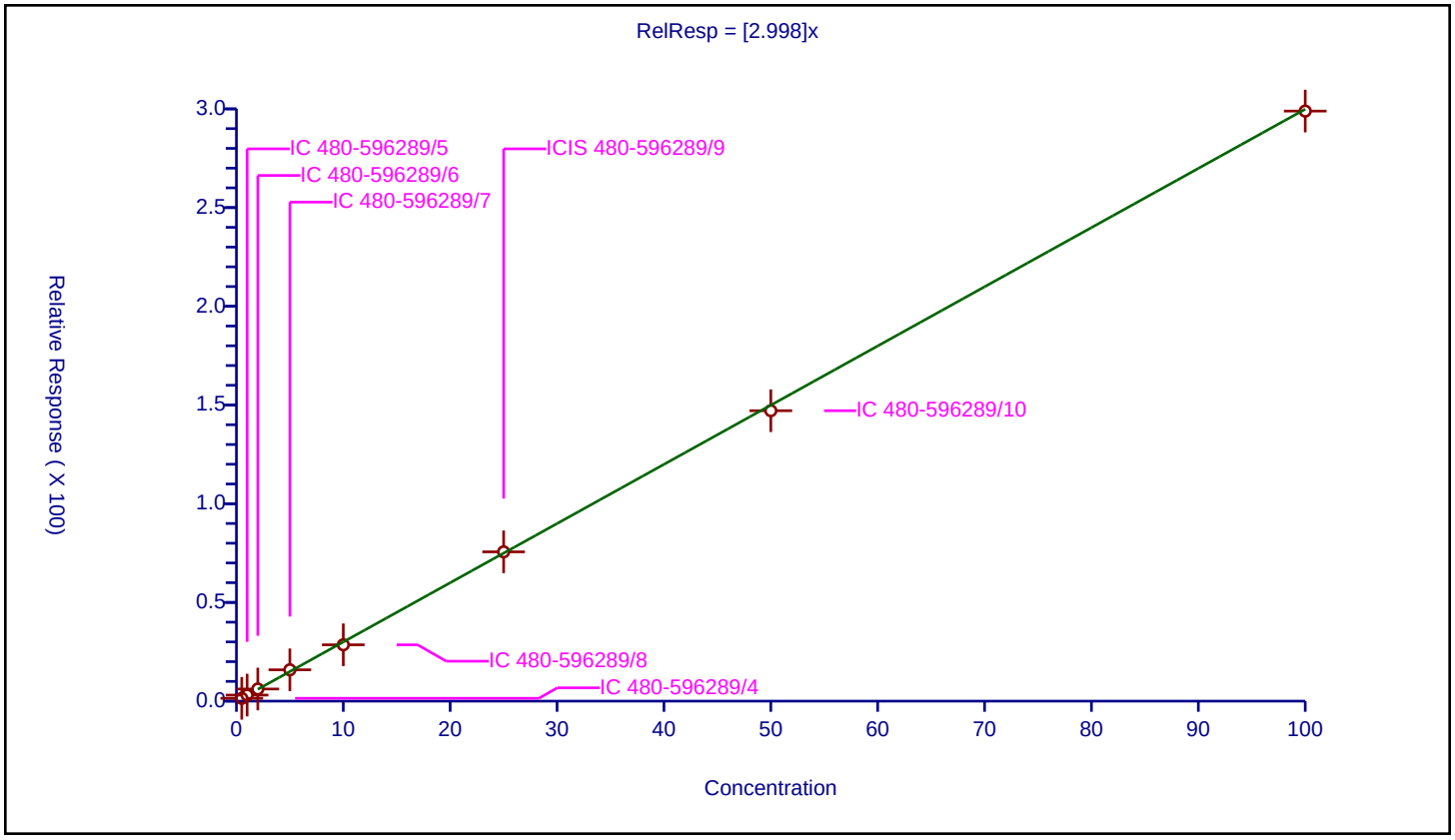
Curve Coefficients

Intercept:	0
Slope:	2.998

Error Coefficients

Standard Error:	891000
Relative Standard Error:	3.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	1.434468	25.0	166804.0	2.868936	Y
2	IC 480-596289/5	1.0	3.063503	25.0	159409.0	3.063503	Y
3	IC 480-596289/6	2.0	6.141927	25.0	151634.0	3.070964	Y
4	IC 480-596289/7	5.0	15.865837	25.0	159574.0	3.173167	Y
5	IC 480-596289/8	10.0	28.546156	25.0	168309.0	2.854616	Y
6	ICIS 480-596289/9	25.0	75.622879	25.0	171221.0	3.024915	Y
7	IC 480-596289/10	50.0	147.117285	25.0	174549.0	2.942346	Y
8	IC 480-596289/11	100.0	298.892705	25.0	171070.0	2.988927	Y



Calibration / Methyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

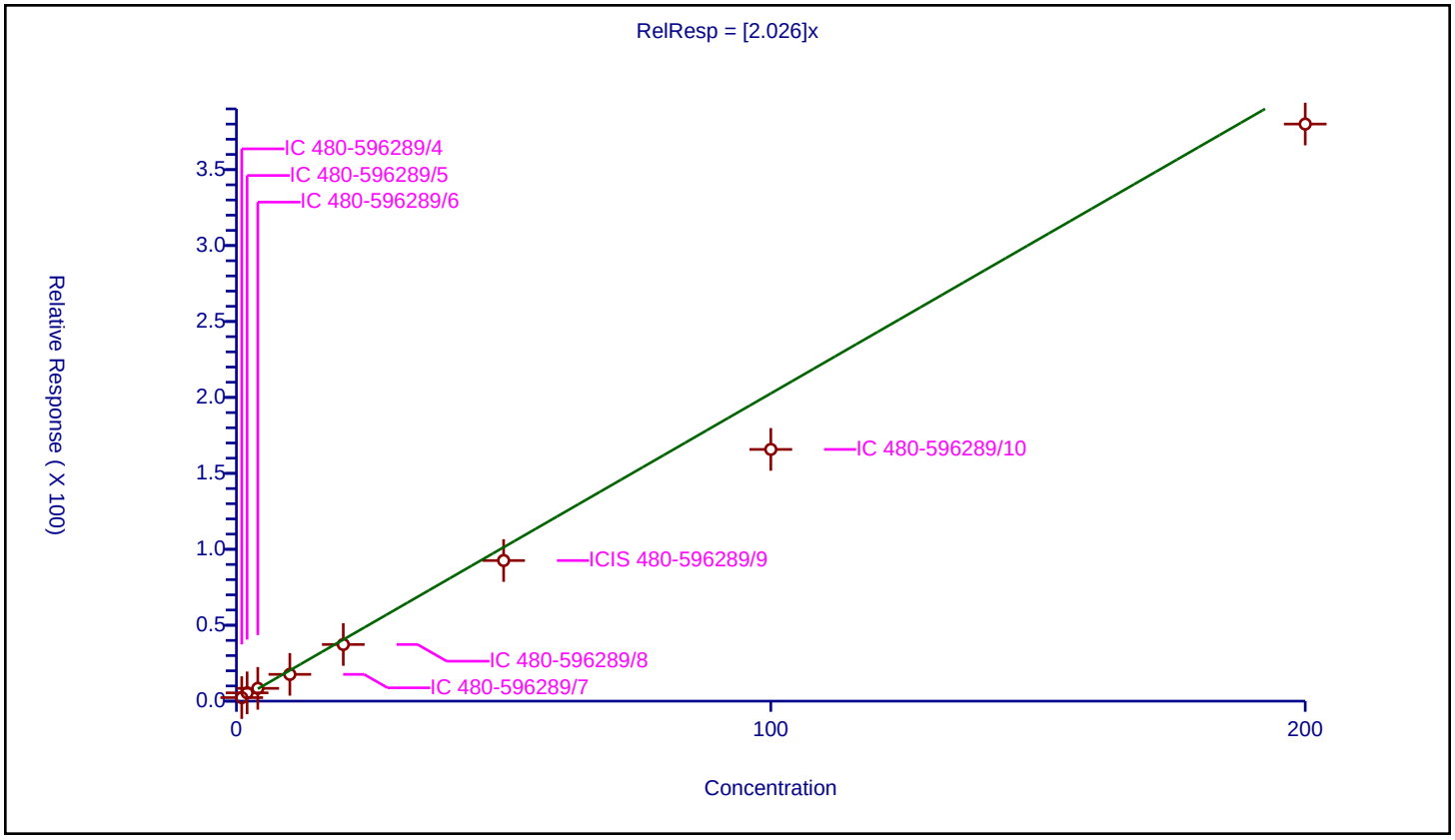
Curve Coefficients

Intercept:	0
Slope:	2.026

Error Coefficients

Standard Error:	1110000
Relative Standard Error:	17.4
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.952

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	1.0	2.32998	25.0	166804.0	2.32998	Y
2	IC 480-596289/5	2.0	5.461423	25.0	159409.0	2.730712	Y
3	IC 480-596289/6	4.0	8.435278	25.0	151634.0	2.10882	Y
4	IC 480-596289/7	10.0	17.636645	25.0	159574.0	1.763665	Y
5	IC 480-596289/8	20.0	37.319603	25.0	168309.0	1.86598	Y
6	ICIS 480-596289/9	50.0	92.601083	25.0	171221.0	1.852022	Y
7	IC 480-596289/10	100.0	165.768924	25.0	174549.0	1.657689	Y
8	IC 480-596289/11	200.0	380.019583	25.0	171070.0	1.900098	Y



Calibration / Methylene Chloride

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

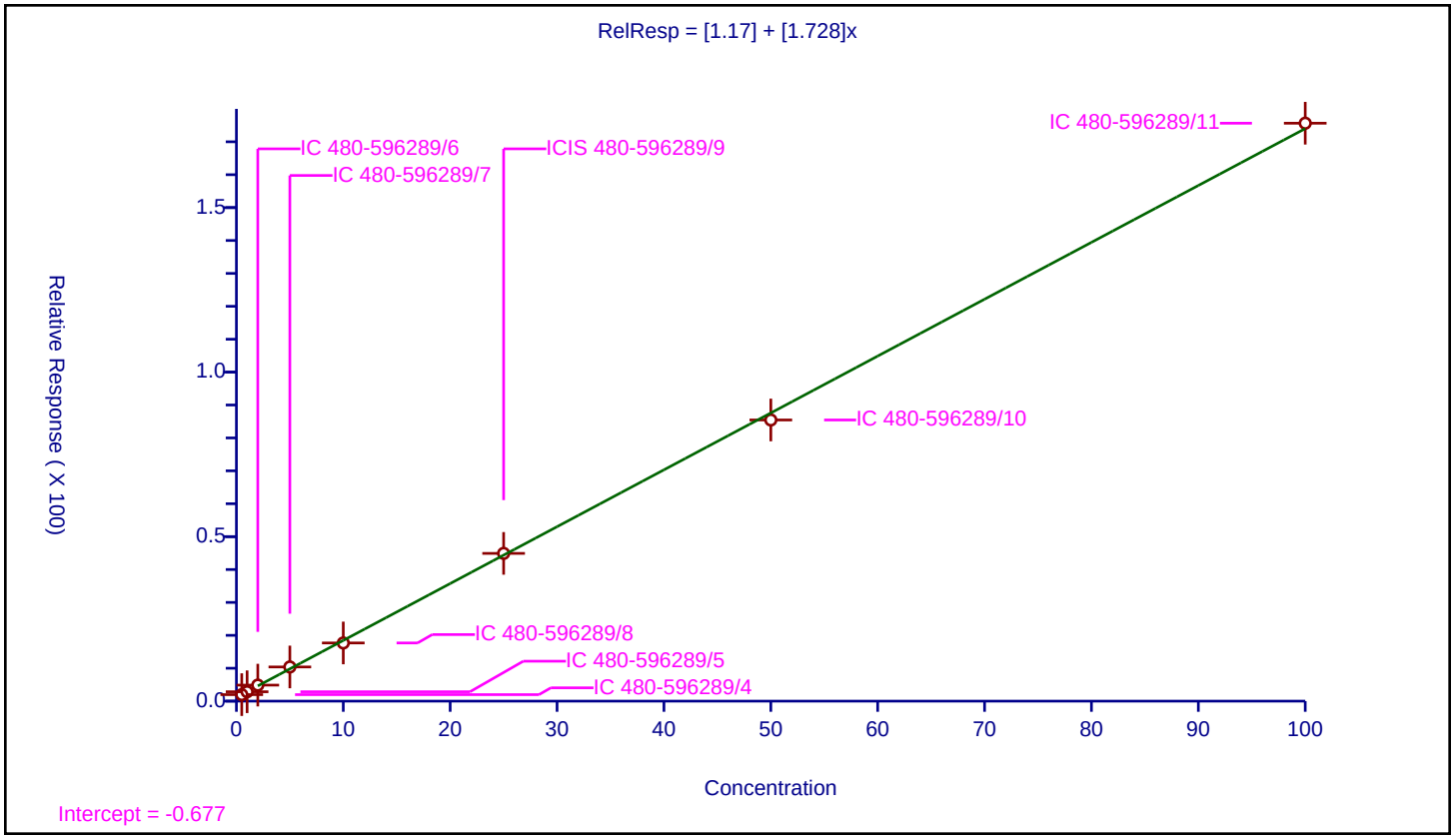
Curve Coefficients

Intercept:	1.17
Slope:	1.728

Error Coefficients

Standard Error:	565000
Relative Standard Error:	5.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	1.975822	25.0	166804.0	3.951644	Y
2	IC 480-596289/5	1.0	2.856959	25.0	159409.0	2.856959	Y
3	IC 480-596289/6	2.0	4.870774	25.0	151634.0	2.435387	Y
4	IC 480-596289/7	5.0	10.392044	25.0	159574.0	2.078409	Y
5	IC 480-596289/8	10.0	17.684289	25.0	168309.0	1.768429	Y
6	ICIS 480-596289/9	25.0	44.907897	25.0	171221.0	1.796316	Y
7	IC 480-596289/10	50.0	85.448785	25.0	174549.0	1.708976	Y
8	IC 480-596289/11	100.0	175.647542	25.0	171070.0	1.756475	Y



Calibration / 2-Methyl-2-propanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

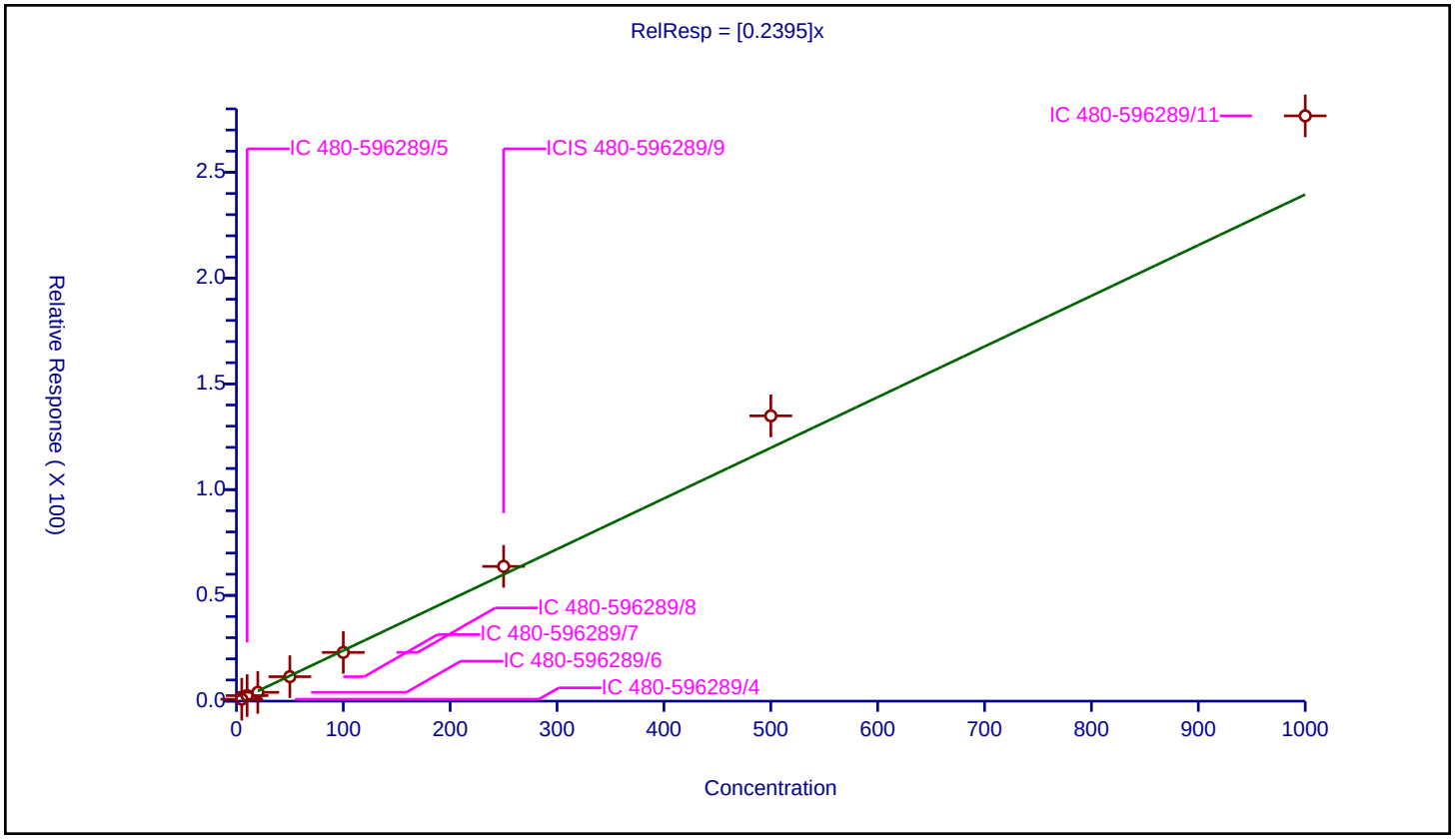
Curve Coefficients

Intercept:	0
Slope:	0.2395

Error Coefficients

Standard Error:	819000
Relative Standard Error:	13.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	5.0	0.913048	25.0	166804.0	0.18261	Y
2	IC 480-596289/5	10.0	2.6294	25.0	159409.0	0.26294	Y
3	IC 480-596289/6	20.0	4.156719	25.0	151634.0	0.207836	Y
4	IC 480-596289/7	50.0	11.561407	25.0	159574.0	0.231228	Y
5	IC 480-596289/8	100.0	23.031597	25.0	168309.0	0.230316	Y
6	ICIS 480-596289/9	250.0	63.698816	25.0	171221.0	0.254795	Y
7	IC 480-596289/10	500.0	134.87631	25.0	174549.0	0.269753	Y
8	IC 480-596289/11	1000.0	276.702081	25.0	171070.0	0.276702	Y



Calibration / Methyl tert-butyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

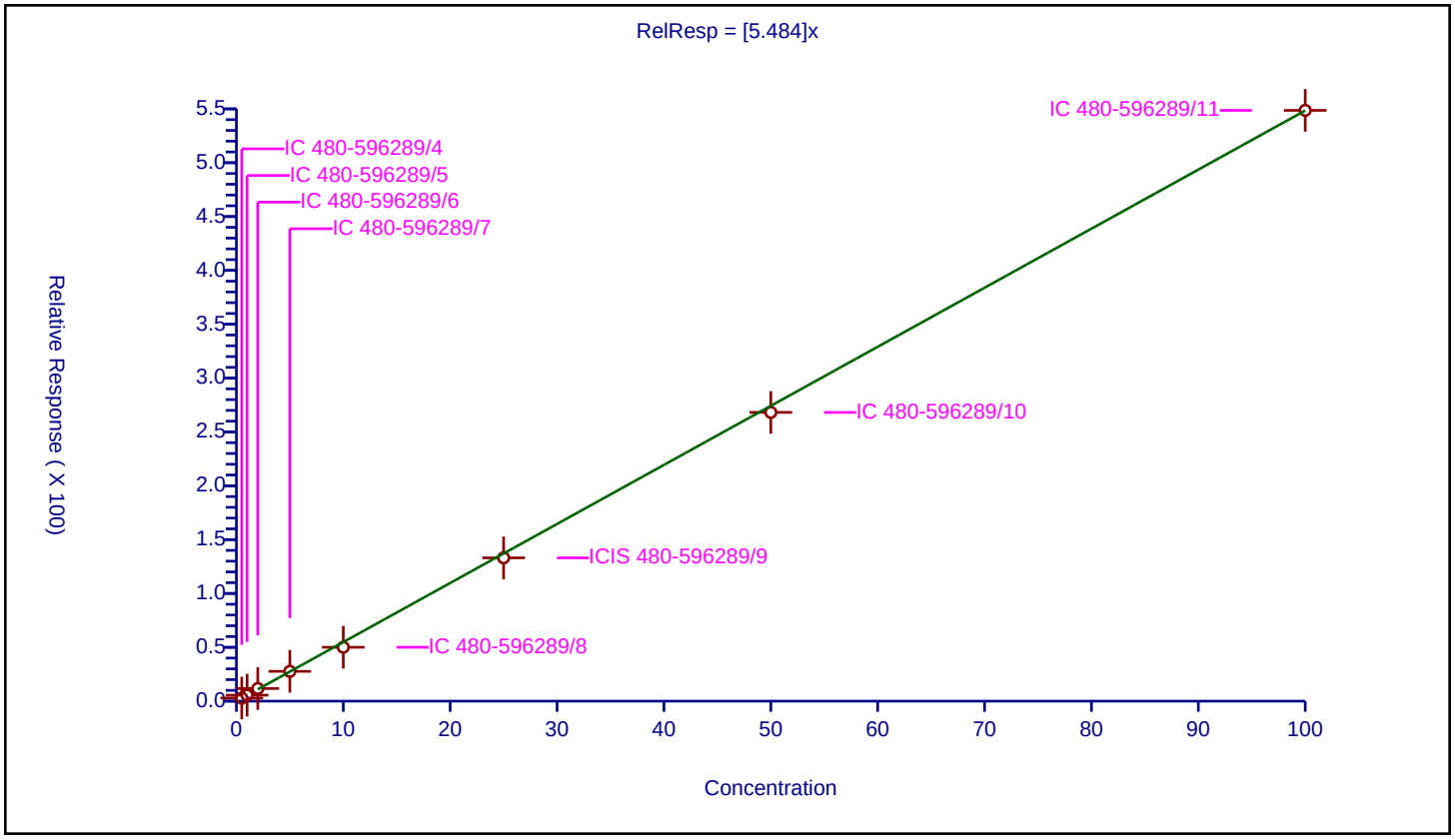
Curve Coefficients

Intercept:	0
Slope:	5.484

Error Coefficients

Standard Error:	1630000
Relative Standard Error:	4.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	2.877929	25.0	166804.0	5.755857	Y
2	IC 480-596289/5	1.0	5.543288	25.0	159409.0	5.543288	Y
3	IC 480-596289/6	2.0	11.726757	25.0	151634.0	5.863378	Y
4	IC 480-596289/7	5.0	27.674308	25.0	159574.0	5.534862	Y
5	IC 480-596289/8	10.0	50.055107	25.0	168309.0	5.005511	Y
6	ICIS 480-596289/9	25.0	133.065453	25.0	171221.0	5.322618	Y
7	IC 480-596289/10	50.0	268.153498	25.0	174549.0	5.36307	Y
8	IC 480-596289/11	100.0	548.620009	25.0	171070.0	5.4862	Y



Calibration / trans-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

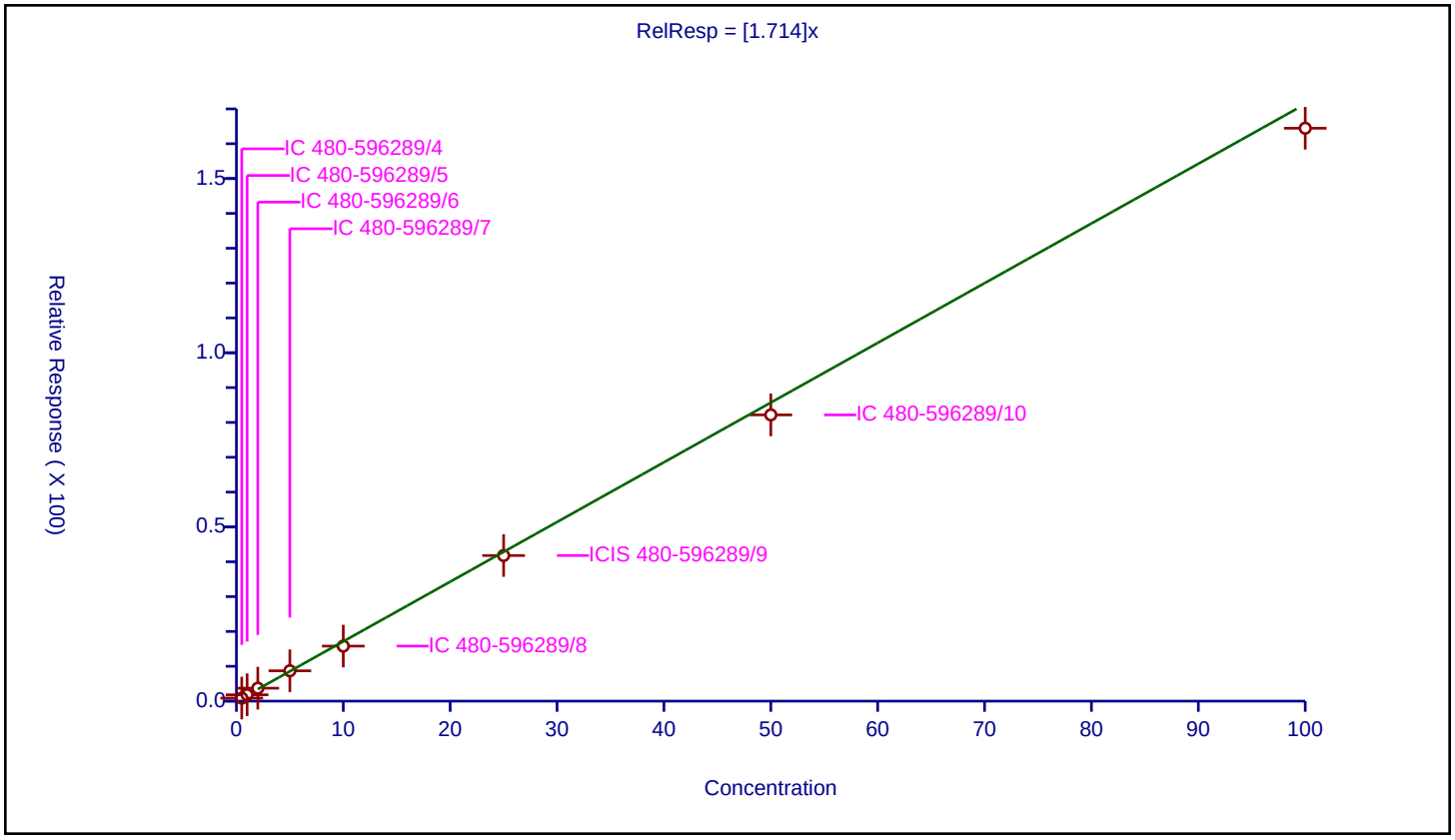
Curve Coefficients

Intercept:	0
Slope:	1.714

Error Coefficients

Standard Error:	492000
Relative Standard Error:	5.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.871682	25.0	166804.0	1.743363	Y
2	IC 480-596289/5	1.0	1.825336	25.0	159409.0	1.825336	Y
3	IC 480-596289/6	2.0	3.721296	25.0	151634.0	1.860648	Y
4	IC 480-596289/7	5.0	8.708969	25.0	159574.0	1.741794	Y
5	IC 480-596289/8	10.0	15.801888	25.0	168309.0	1.580189	Y
6	ICIS 480-596289/9	25.0	41.798611	25.0	171221.0	1.671944	Y
7	IC 480-596289/10	50.0	82.166469	25.0	174549.0	1.643329	Y
8	IC 480-596289/11	100.0	164.447448	25.0	171070.0	1.644474	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

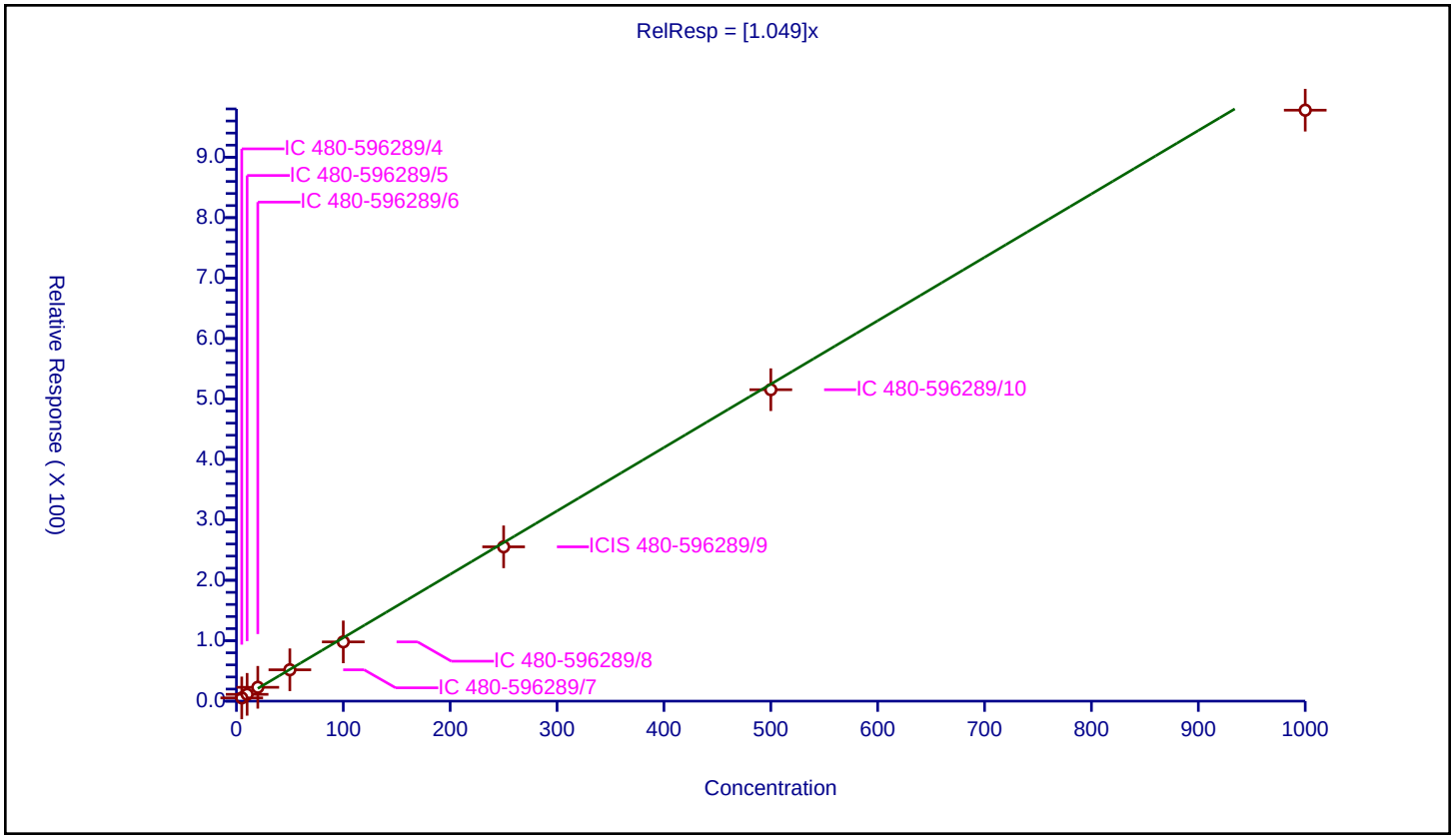
Curve Coefficients

Intercept:	0
Slope:	1.049

Error Coefficients

Standard Error:	2960000
Relative Standard Error:	5.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	5.0	5.355537	25.0	166804.0	1.071107	Y
2	IC 480-596289/5	10.0	11.278535	25.0	159409.0	1.127854	Y
3	IC 480-596289/6	20.0	22.906967	25.0	151634.0	1.145348	Y
4	IC 480-596289/7	50.0	51.899746	25.0	159574.0	1.037995	Y
5	IC 480-596289/8	100.0	98.059521	25.0	168309.0	0.980595	Y
6	ICIS 480-596289/9	250.0	255.348351	25.0	171221.0	1.021393	Y
7	IC 480-596289/10	500.0	515.342397	25.0	174549.0	1.030685	Y
8	IC 480-596289/11	1000.0	977.89516	25.0	171070.0	0.977895	Y



Calibration / Hexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

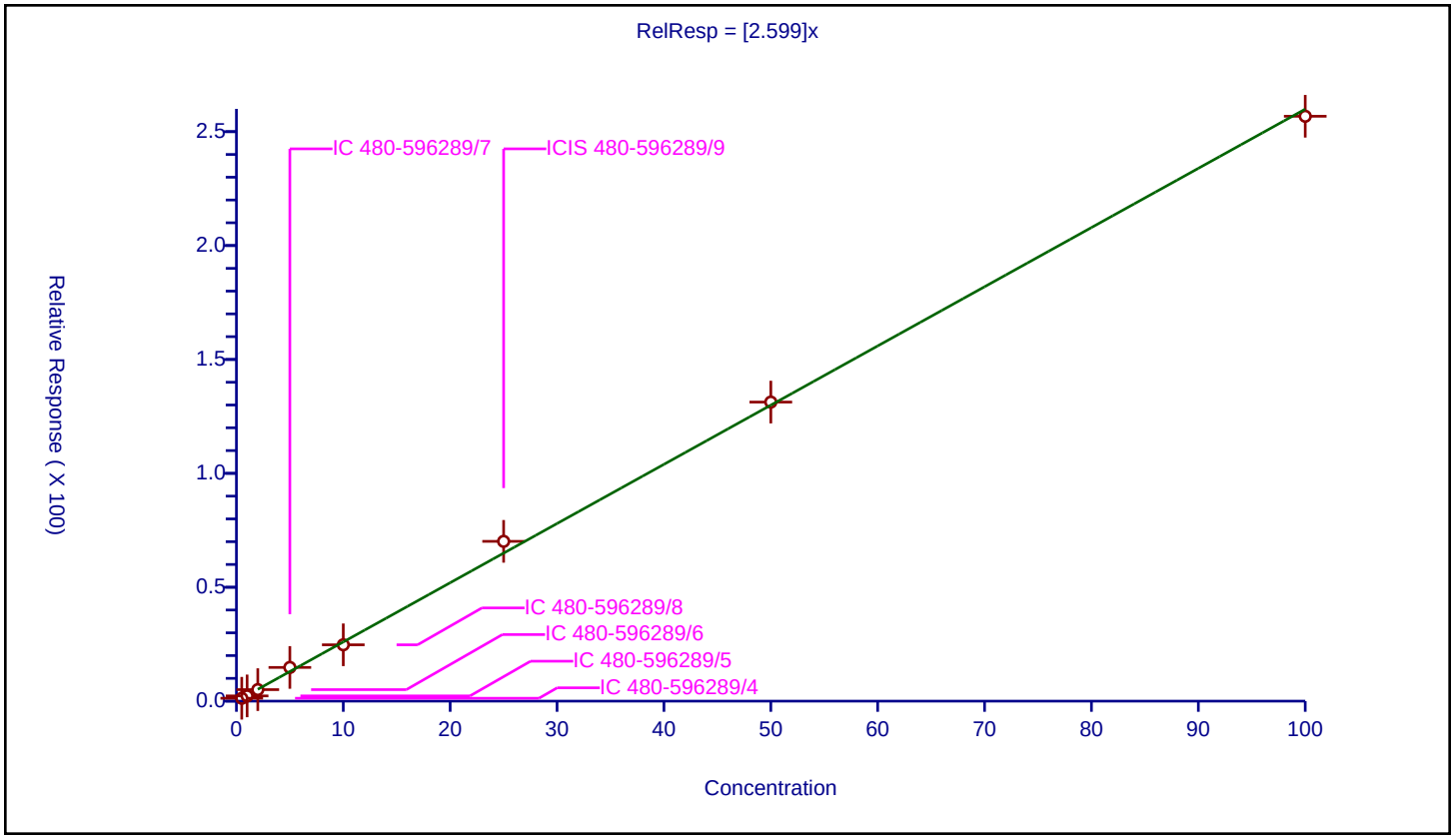
Curve Coefficients

Intercept:	0
Slope:	2.599

Error Coefficients

Standard Error:	774000
Relative Standard Error:	7.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	1.268105	25.0	166804.0	2.53621	Y
2	IC 480-596289/5	1.0	2.291903	25.0	159409.0	2.291903	Y
3	IC 480-596289/6	2.0	5.061365	25.0	151634.0	2.530682	Y
4	IC 480-596289/7	5.0	14.795957	25.0	159574.0	2.959191	Y
5	IC 480-596289/8	10.0	24.735308	25.0	168309.0	2.473531	Y
6	ICIS 480-596289/9	25.0	70.153194	25.0	171221.0	2.806128	Y
7	IC 480-596289/10	50.0	131.285484	25.0	174549.0	2.62571	Y
8	IC 480-596289/11	100.0	256.76156	25.0	171070.0	2.567616	Y



Calibration / 1,1-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

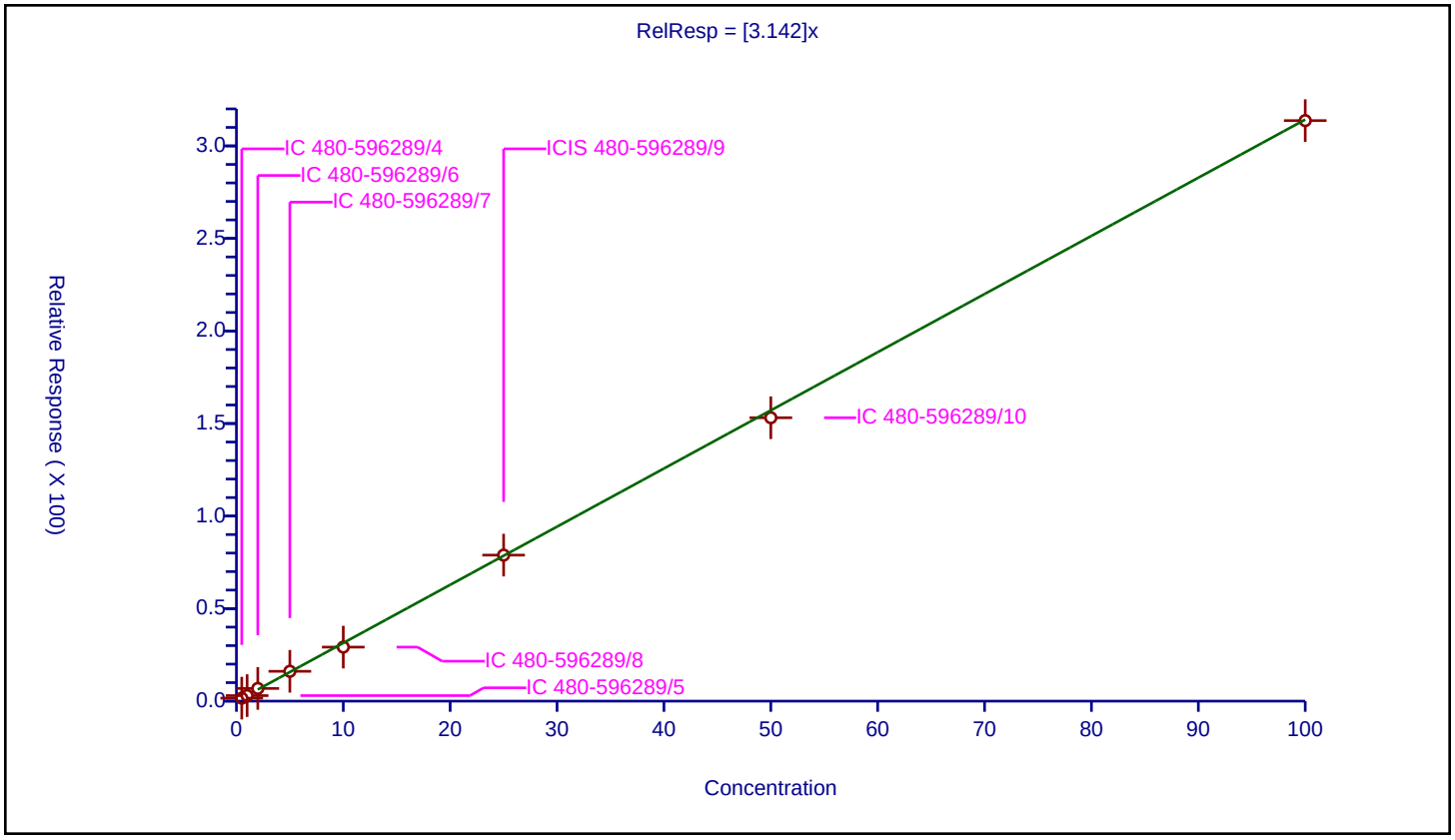
Curve Coefficients

Intercept:	0
Slope:	3.142

Error Coefficients

Standard Error:	933000
Relative Standard Error:	5.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	1.615219	25.0	166804.0	3.230438	Y
2	IC 480-596289/5	1.0	2.98305	25.0	159409.0	2.98305	Y
3	IC 480-596289/6	2.0	6.850541	25.0	151634.0	3.425271	Y
4	IC 480-596289/7	5.0	16.127001	25.0	159574.0	3.2254	Y
5	IC 480-596289/8	10.0	29.193626	25.0	168309.0	2.919363	Y
6	ICIS 480-596289/9	25.0	78.901683	25.0	171221.0	3.156067	Y
7	IC 480-596289/10	50.0	153.119038	25.0	174549.0	3.062381	Y
8	IC 480-596289/11	100.0	313.666482	25.0	171070.0	3.136665	Y



Calibration / Vinyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

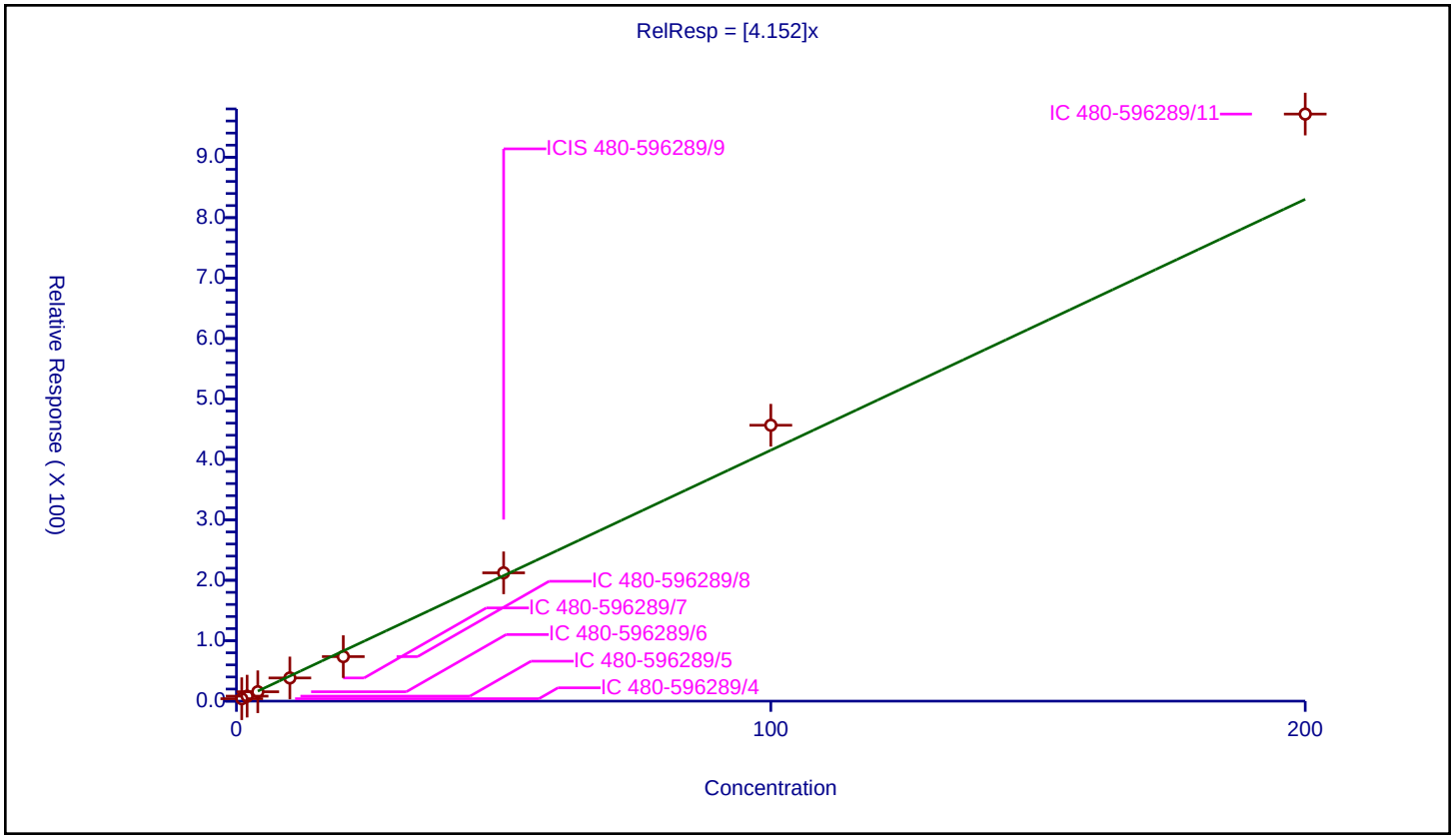
Curve Coefficients

Intercept:	0
Slope:	4.152

Error Coefficients

Standard Error:	2850000
Relative Standard Error:	9.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	1.0	4.014742	25.0	166804.0	4.014742	Y
2	IC 480-596289/5	2.0	8.253141	25.0	159409.0	4.126571	Y
3	IC 480-596289/6	4.0	15.552416	25.0	151634.0	3.888104	Y
4	IC 480-596289/7	10.0	38.365586	25.0	159574.0	3.836559	Y
5	IC 480-596289/8	20.0	73.648468	25.0	168309.0	3.682423	Y
6	ICIS 480-596289/9	50.0	212.324715	25.0	171221.0	4.246494	Y
7	IC 480-596289/10	100.0	456.546872	25.0	174549.0	4.565469	Y
8	IC 480-596289/11	200.0	971.468112	25.0	171070.0	4.857341	Y



Calibration / 2,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

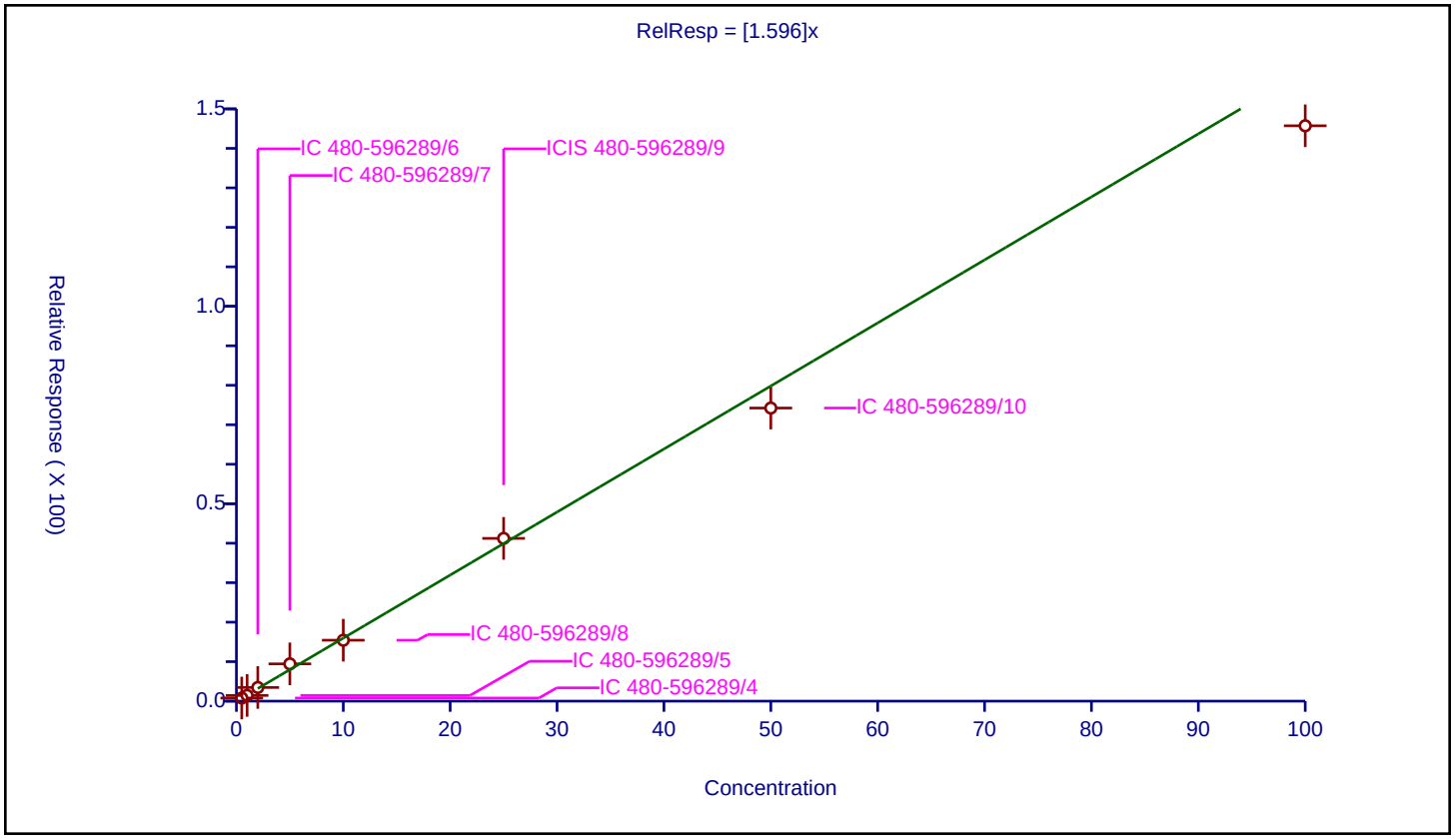
Curve Coefficients

Intercept:	0
Slope:	1.596

Error Coefficients

Standard Error:	440000
Relative Standard Error:	9.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.786702	25.0	166804.0	1.573404	Y
2	IC 480-596289/5	1.0	1.447378	25.0	159409.0	1.447378	Y
3	IC 480-596289/6	2.0	3.458162	25.0	151634.0	1.729081	Y
4	IC 480-596289/7	5.0	9.440134	25.0	159574.0	1.888027	Y
5	IC 480-596289/8	10.0	15.428022	25.0	168309.0	1.542802	Y
6	ICIS 480-596289/9	25.0	41.218075	25.0	171221.0	1.648723	Y
7	IC 480-596289/10	50.0	74.23245	25.0	174549.0	1.484649	Y
8	IC 480-596289/11	100.0	145.722511	25.0	171070.0	1.457225	Y



Calibration / cis-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

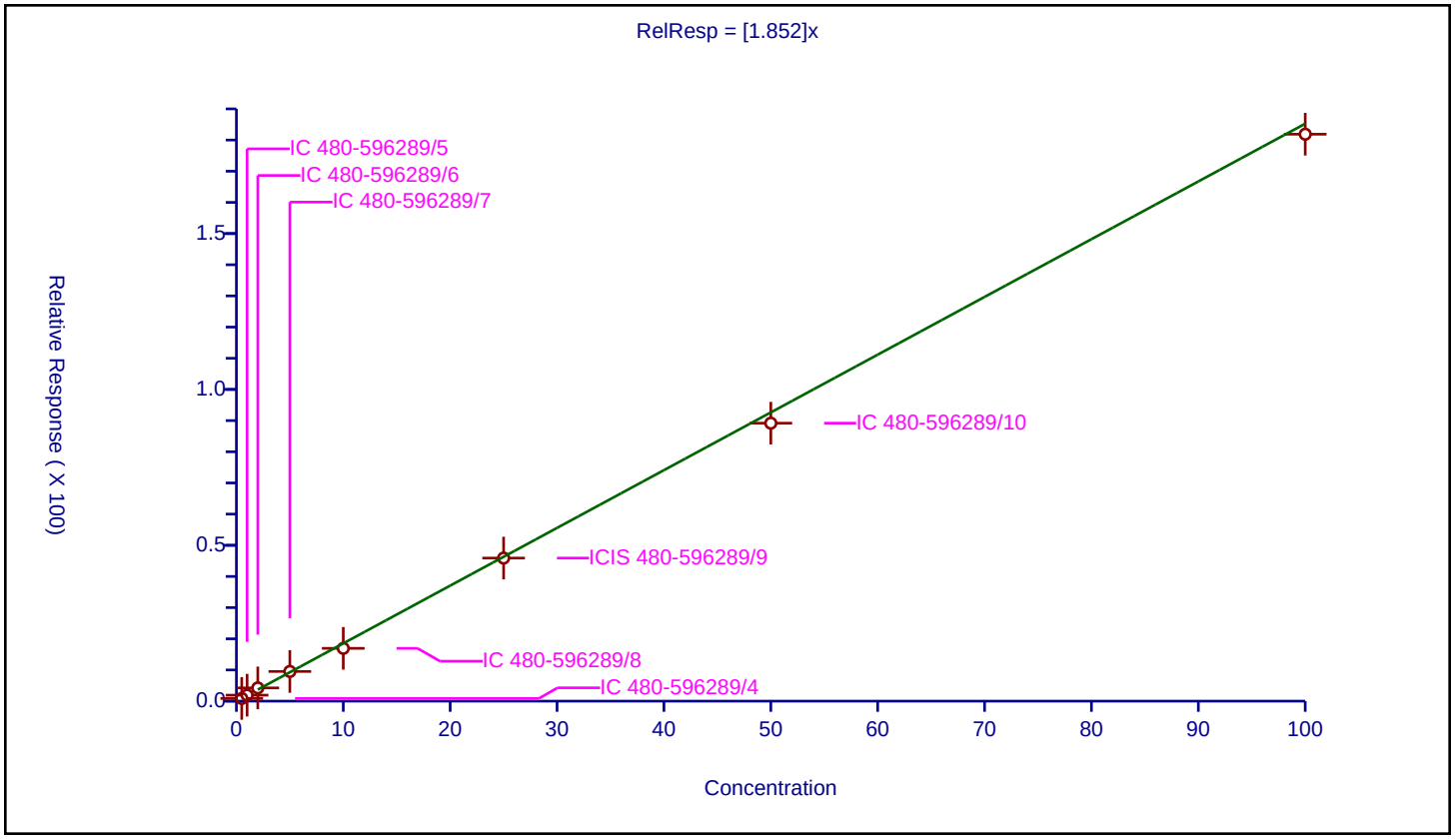
Curve Coefficients

Intercept:	0
Slope:	1.852

Error Coefficients

Standard Error:	541000
Relative Standard Error:	7.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.869733	25.0	166804.0	1.739467	Y
2	IC 480-596289/5	1.0	1.9221	25.0	159409.0	1.9221	Y
3	IC 480-596289/6	2.0	4.242122	25.0	151634.0	2.121061	Y
4	IC 480-596289/7	5.0	9.524891	25.0	159574.0	1.904978	Y
5	IC 480-596289/8	10.0	16.939676	25.0	168309.0	1.693968	Y
6	ICIS 480-596289/9	25.0	45.896969	25.0	171221.0	1.835879	Y
7	IC 480-596289/10	50.0	89.178683	25.0	174549.0	1.783574	Y
8	IC 480-596289/11	100.0	181.873794	25.0	171070.0	1.818738	Y



Calibration / 2-Butanone (MEK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

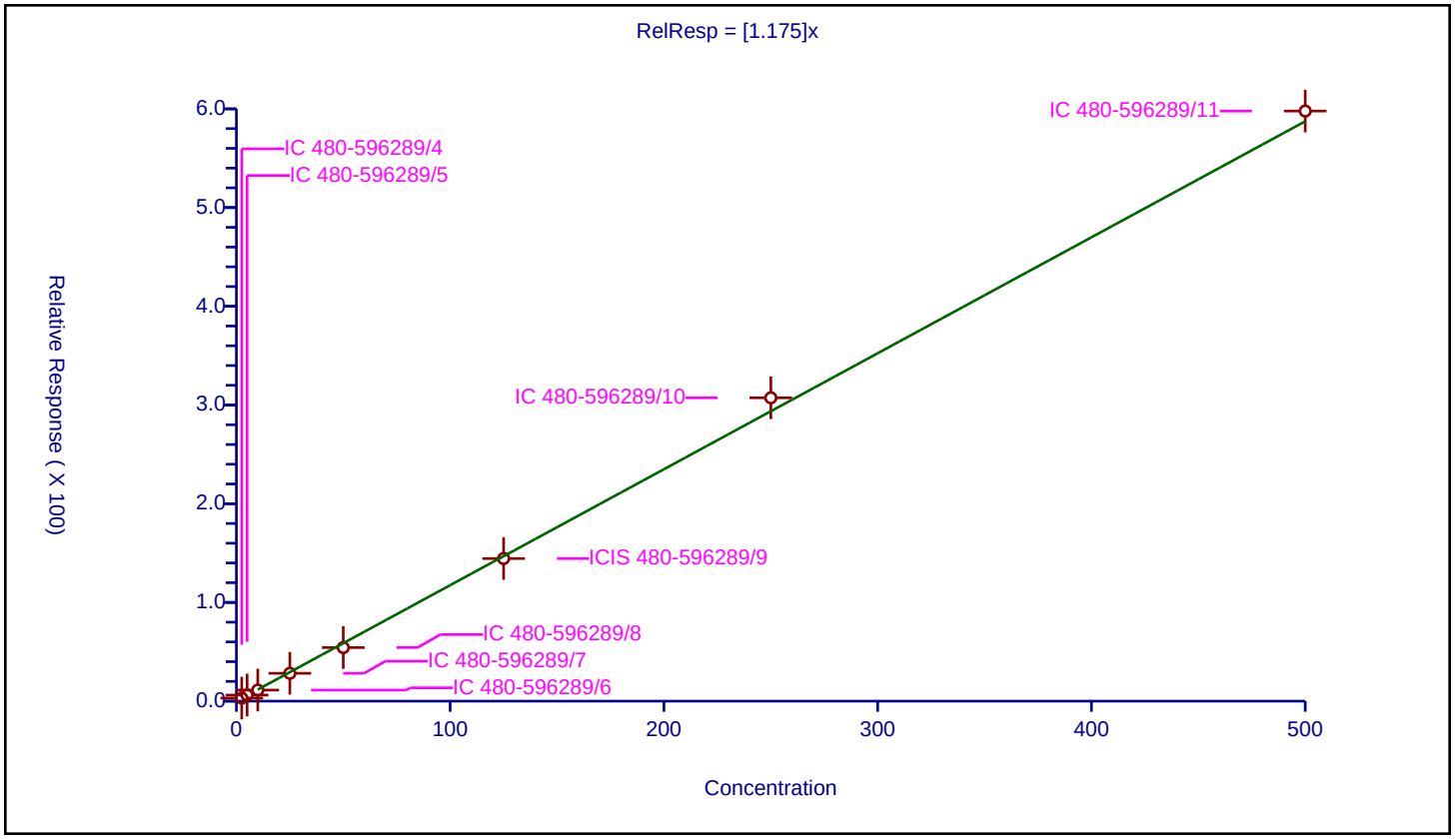
Curve Coefficients

Intercept:	0
Slope:	1.175

Error Coefficients

Standard Error:	1790000
Relative Standard Error:	5.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	2.5	3.117281	25.0	166804.0	1.246913	Y
2	IC 480-596289/5	5.0	6.174055	25.0	159409.0	1.234811	Y
3	IC 480-596289/6	10.0	11.216152	25.0	151634.0	1.121615	Y
4	IC 480-596289/7	25.0	28.203373	25.0	159574.0	1.128135	Y
5	IC 480-596289/8	50.0	54.284085	25.0	168309.0	1.085682	Y
6	ICIS 480-596289/9	125.0	144.481401	25.0	171221.0	1.155851	Y
7	IC 480-596289/10	250.0	307.317716	25.0	174549.0	1.229271	Y
8	IC 480-596289/11	500.0	597.814345	25.0	171070.0	1.195629	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

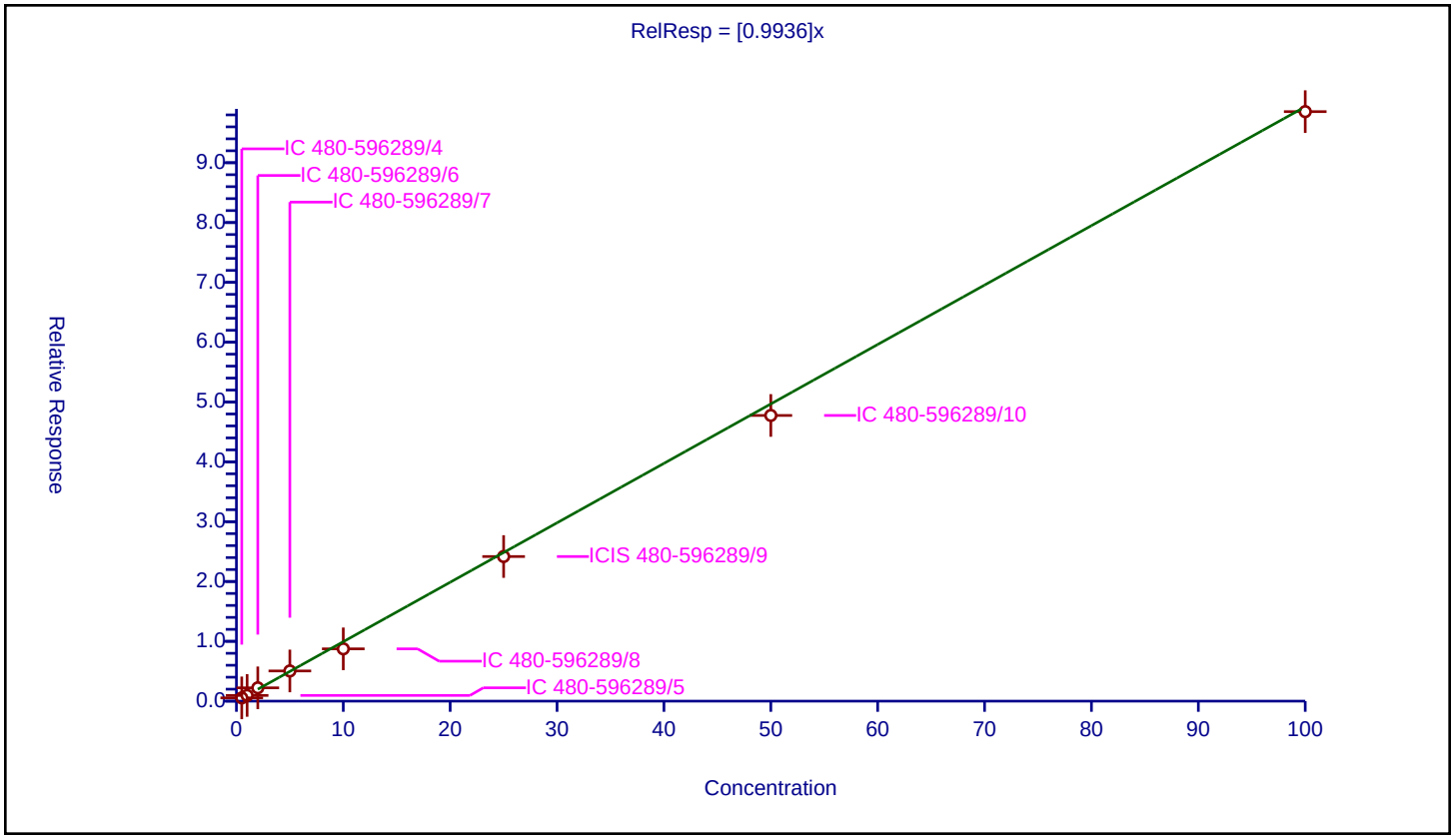
Curve Coefficients

Intercept:	0
Slope:	0.9936

Error Coefficients

Standard Error:	292000
Relative Standard Error:	7.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.5466	25.0	166804.0	1.093199	Y
2	IC 480-596289/5	1.0	0.953052	25.0	159409.0	0.953052	Y
3	IC 480-596289/6	2.0	2.221962	25.0	151634.0	1.110981	Y
4	IC 480-596289/7	5.0	5.047815	25.0	159574.0	1.009563	Y
5	IC 480-596289/8	10.0	8.743294	25.0	168309.0	0.874329	Y
6	ICIS 480-596289/9	25.0	24.174313	25.0	171221.0	0.966973	Y
7	IC 480-596289/10	50.0	47.756934	25.0	174549.0	0.955139	Y
8	IC 480-596289/11	100.0	98.541533	25.0	171070.0	0.985415	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

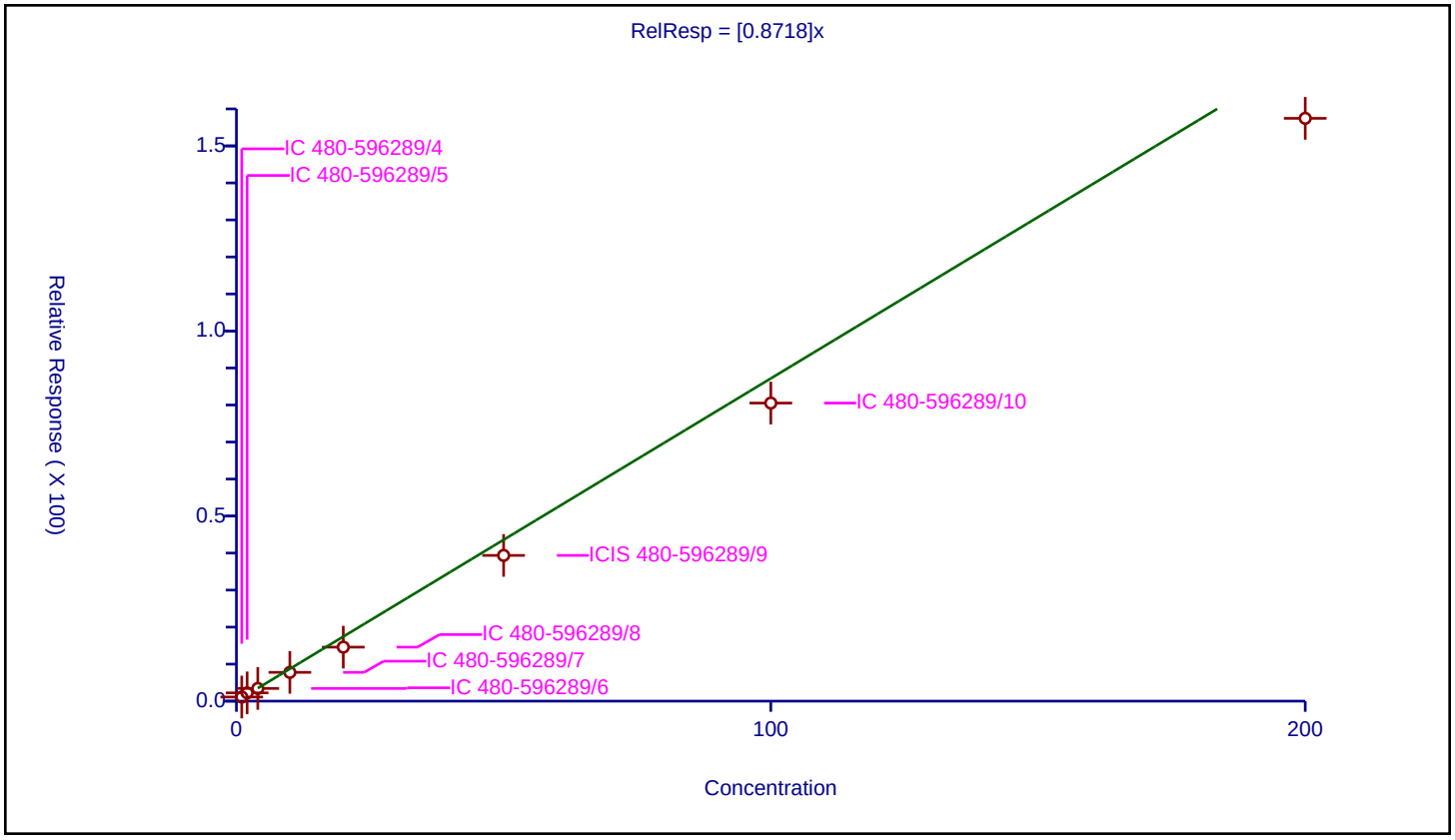
Curve Coefficients

Intercept:	0
Slope:	0.8718

Error Coefficients

Standard Error:	472000
Relative Standard Error:	17.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.947

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	1.0	1.114482	25.0	166804.0	1.114482	Y
2	IC 480-596289/5	2.0	2.23372	25.0	159409.0	1.11686	Y
3	IC 480-596289/6	4.0	3.425023	25.0	151634.0	0.856256	Y
4	IC 480-596289/7	10.0	7.774606	25.0	159574.0	0.777461	Y
5	IC 480-596289/8	20.0	14.589535	25.0	168309.0	0.729477	Y
6	ICIS 480-596289/9	50.0	39.367981	25.0	171221.0	0.78736	Y
7	IC 480-596289/10	100.0	80.529106	25.0	174549.0	0.805291	Y
8	IC 480-596289/11	200.0	157.453674	25.0	171070.0	0.787268	Y



Calibration / Chloroform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

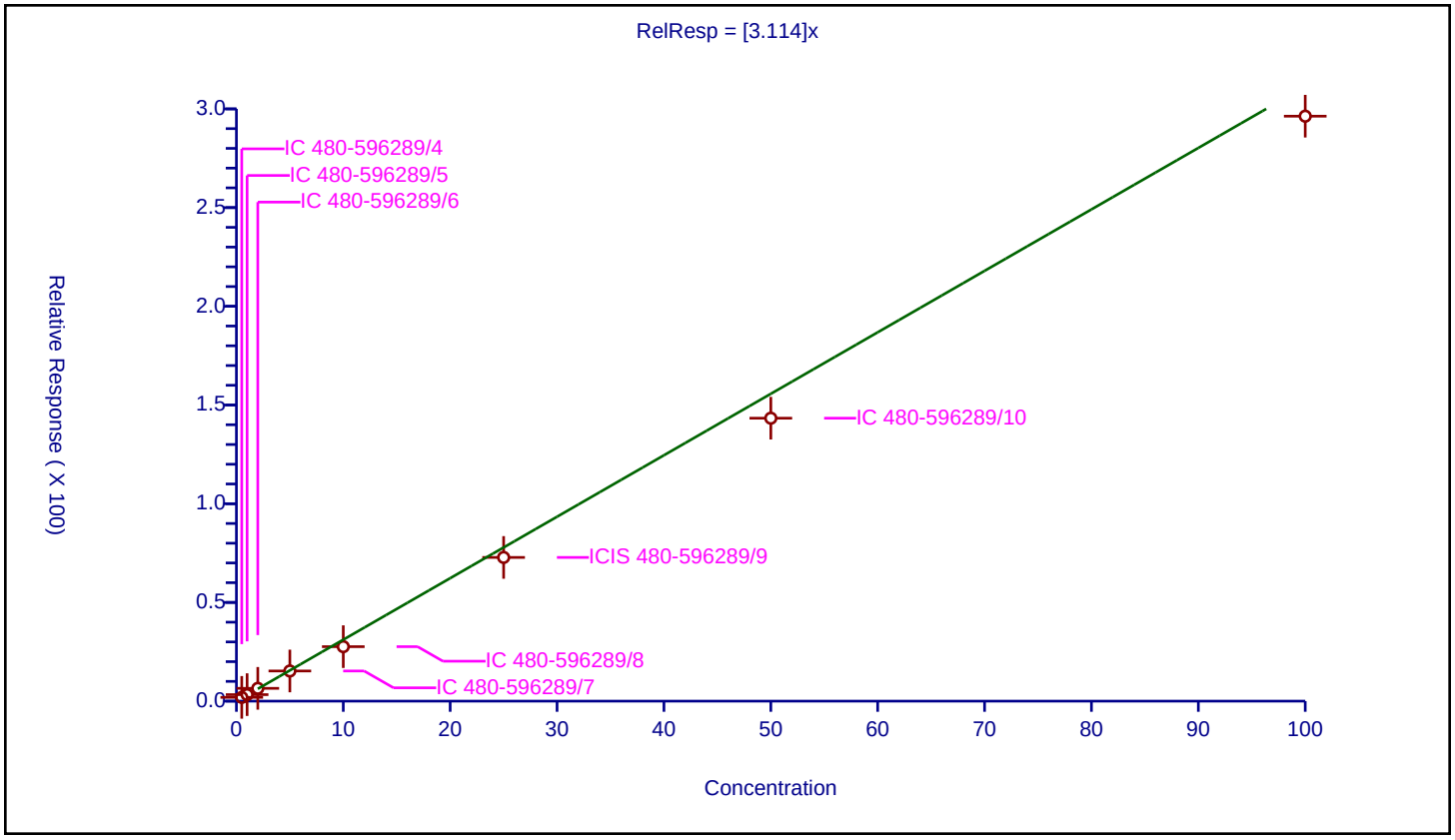
Curve Coefficients

Intercept:	0
Slope:	3.114

Error Coefficients

Standard Error:	879000
Relative Standard Error:	10.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	1.907478	25.0	166804.0	3.814956	Y
2	IC 480-596289/5	1.0	3.294356	25.0	159409.0	3.294356	Y
3	IC 480-596289/6	2.0	6.484034	25.0	151634.0	3.242017	Y
4	IC 480-596289/7	5.0	15.283818	25.0	159574.0	3.056764	Y
5	IC 480-596289/8	10.0	27.599534	25.0	168309.0	2.759953	Y
6	ICIS 480-596289/9	25.0	72.787363	25.0	171221.0	2.911495	Y
7	IC 480-596289/10	50.0	143.322362	25.0	174549.0	2.866447	Y
8	IC 480-596289/11	100.0	296.302391	25.0	171070.0	2.963024	Y



Calibration / 1,1,1-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

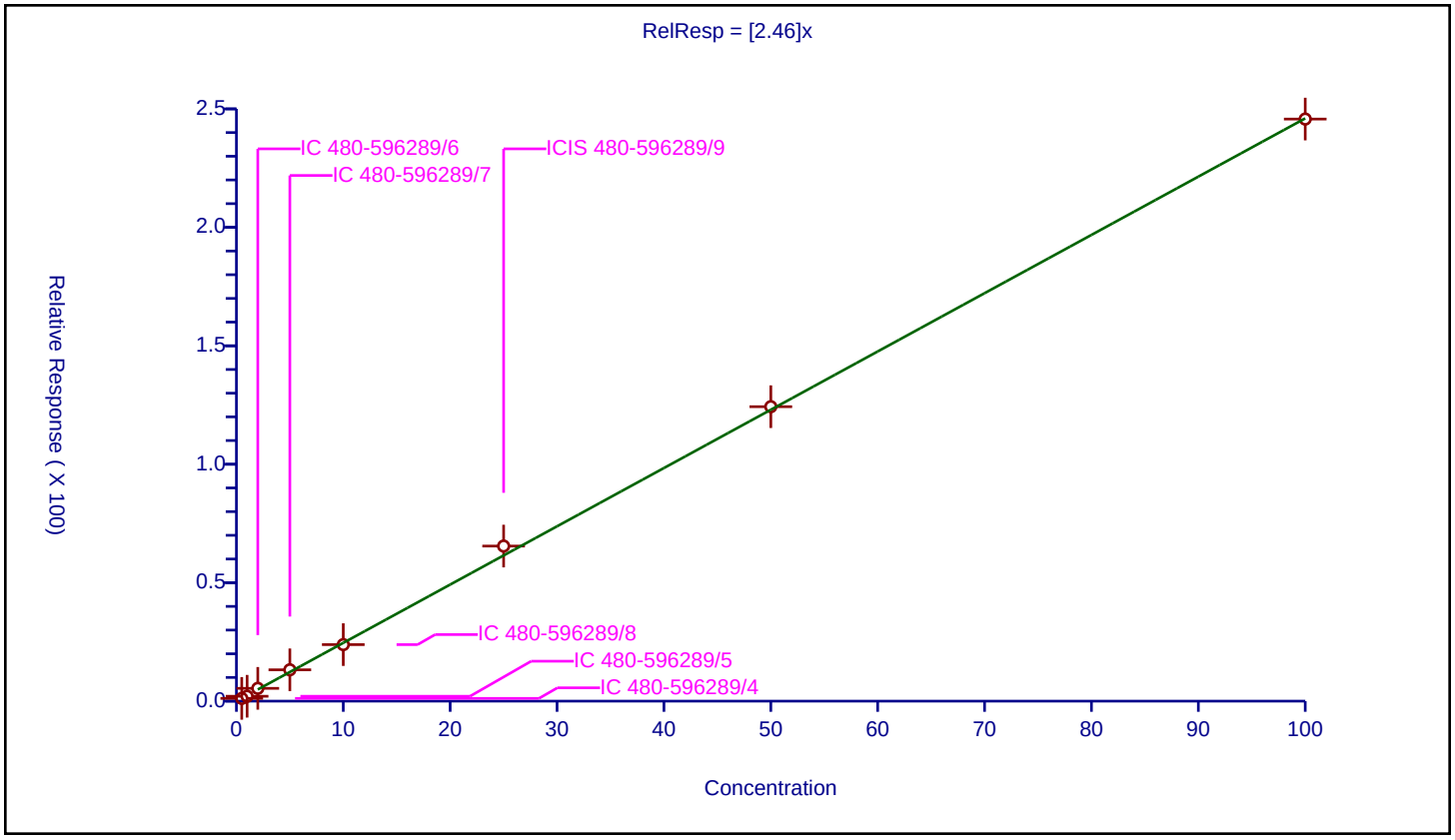
Curve Coefficients

Intercept:	0
Slope:	2.46

Error Coefficients

Standard Error:	738000
Relative Standard Error:	8.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	1.161993	25.0	166804.0	2.323985	Y
2	IC 480-596289/5	1.0	2.062932	25.0	159409.0	2.062932	Y
3	IC 480-596289/6	2.0	5.39869	25.0	151634.0	2.699345	Y
4	IC 480-596289/7	5.0	13.232105	25.0	159574.0	2.646421	Y
5	IC 480-596289/8	10.0	23.858795	25.0	168309.0	2.38588	Y
6	ICIS 480-596289/9	25.0	65.457508	25.0	171221.0	2.6183	Y
7	IC 480-596289/10	50.0	124.294897	25.0	174549.0	2.485898	Y
8	IC 480-596289/11	100.0	245.710236	25.0	171070.0	2.457102	Y



Calibration / Cyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

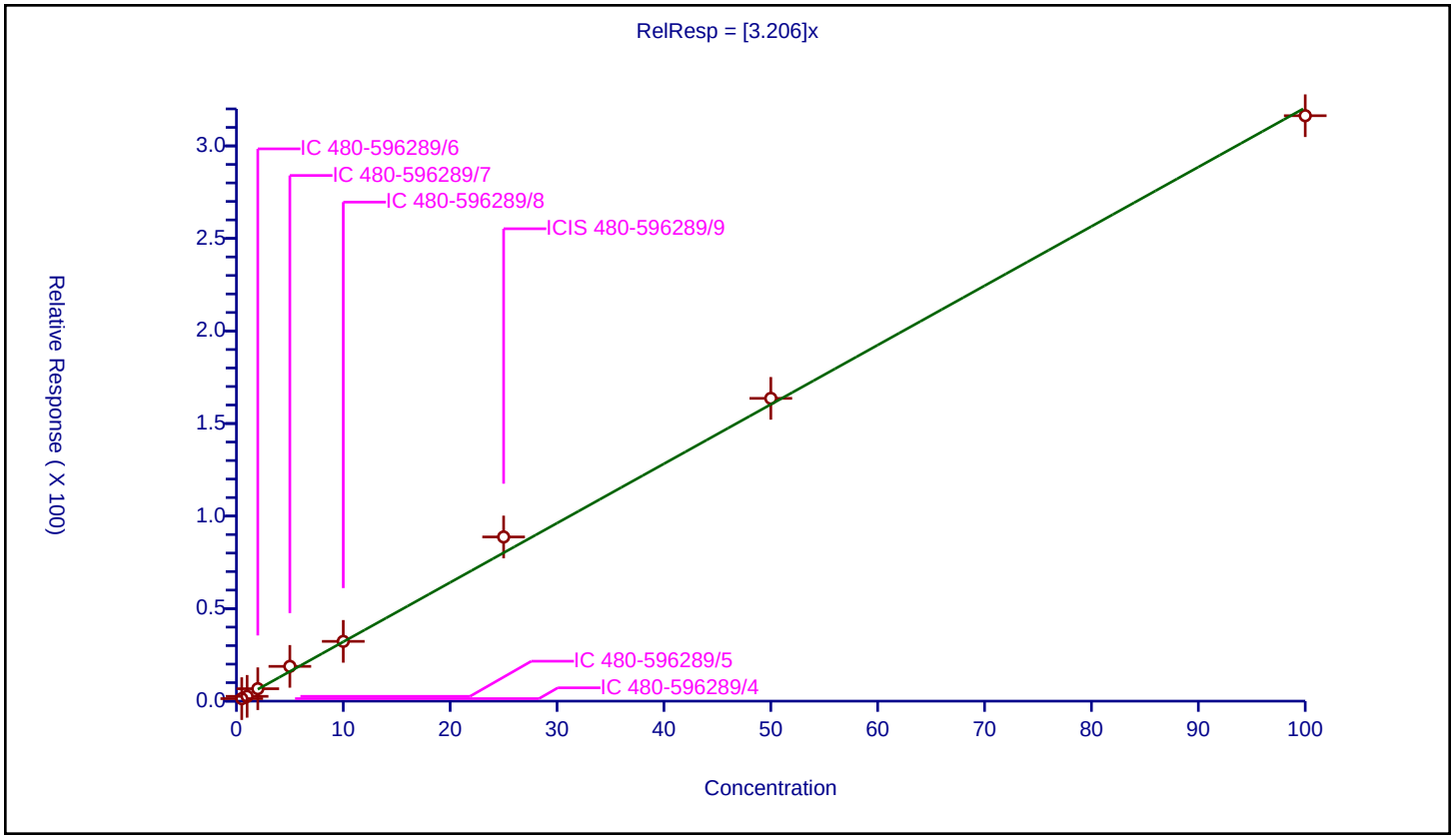
Curve Coefficients

Intercept:	0
Slope:	3.206

Error Coefficients

Standard Error:	958000
Relative Standard Error:	12.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	1.361928	25.0	166804.0	2.723856	Y
2	IC 480-596289/5	1.0	2.600857	25.0	159409.0	2.600857	Y
3	IC 480-596289/6	2.0	6.708258	25.0	151634.0	3.354129	Y
4	IC 480-596289/7	5.0	18.793945	25.0	159574.0	3.758789	Y
5	IC 480-596289/8	10.0	32.299818	25.0	168309.0	3.229982	Y
6	ICIS 480-596289/9	25.0	88.708599	25.0	171221.0	3.548344	Y
7	IC 480-596289/10	50.0	163.596182	25.0	174549.0	3.271924	Y
8	IC 480-596289/11	100.0	316.313497	25.0	171070.0	3.163135	Y



Calibration / Dibromofluoromethane (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

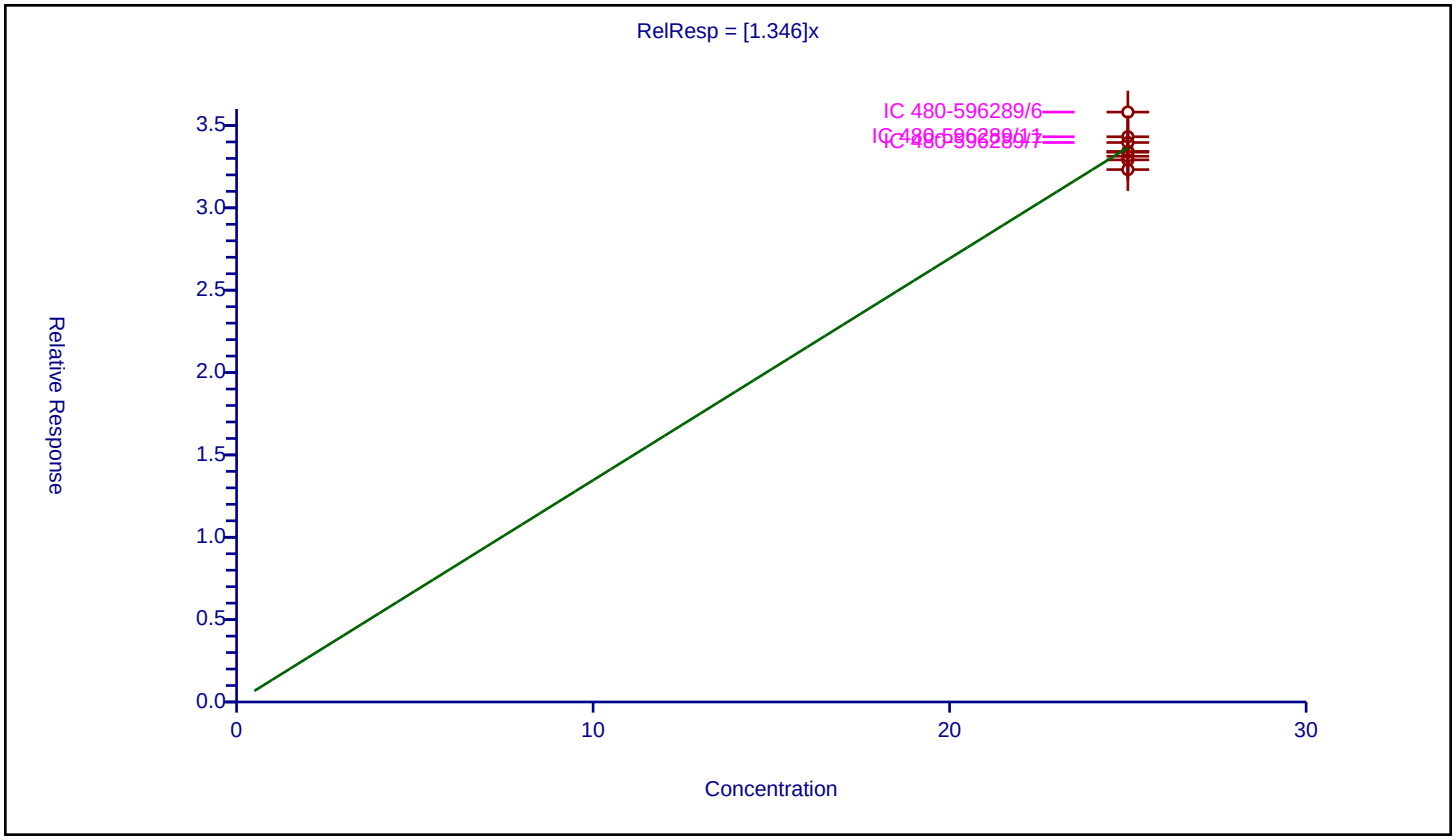
Curve Coefficients

Intercept:	0
Slope:	1.346

Error Coefficients

Standard Error:	238000
Relative Standard Error:	3.2
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	25.0	33.425457	25.0	166804.0	1.337018	Y
2	IC 480-596289/5	25.0	33.378605	25.0	159409.0	1.335144	Y
3	IC 480-596289/6	25.0	35.813373	25.0	151634.0	1.432535	Y
4	IC 480-596289/7	25.0	33.966373	25.0	159574.0	1.358655	Y
5	IC 480-596289/8	25.0	32.321355	25.0	168309.0	1.292854	Y
6	ICIS 480-596289/9	25.0	33.133348	25.0	171221.0	1.325334	Y
7	IC 480-596289/10	25.0	32.911962	25.0	174549.0	1.316478	Y
8	IC 480-596289/11	25.0	34.316069	25.0	171070.0	1.372643	Y



Calibration / Carbon tetrachloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

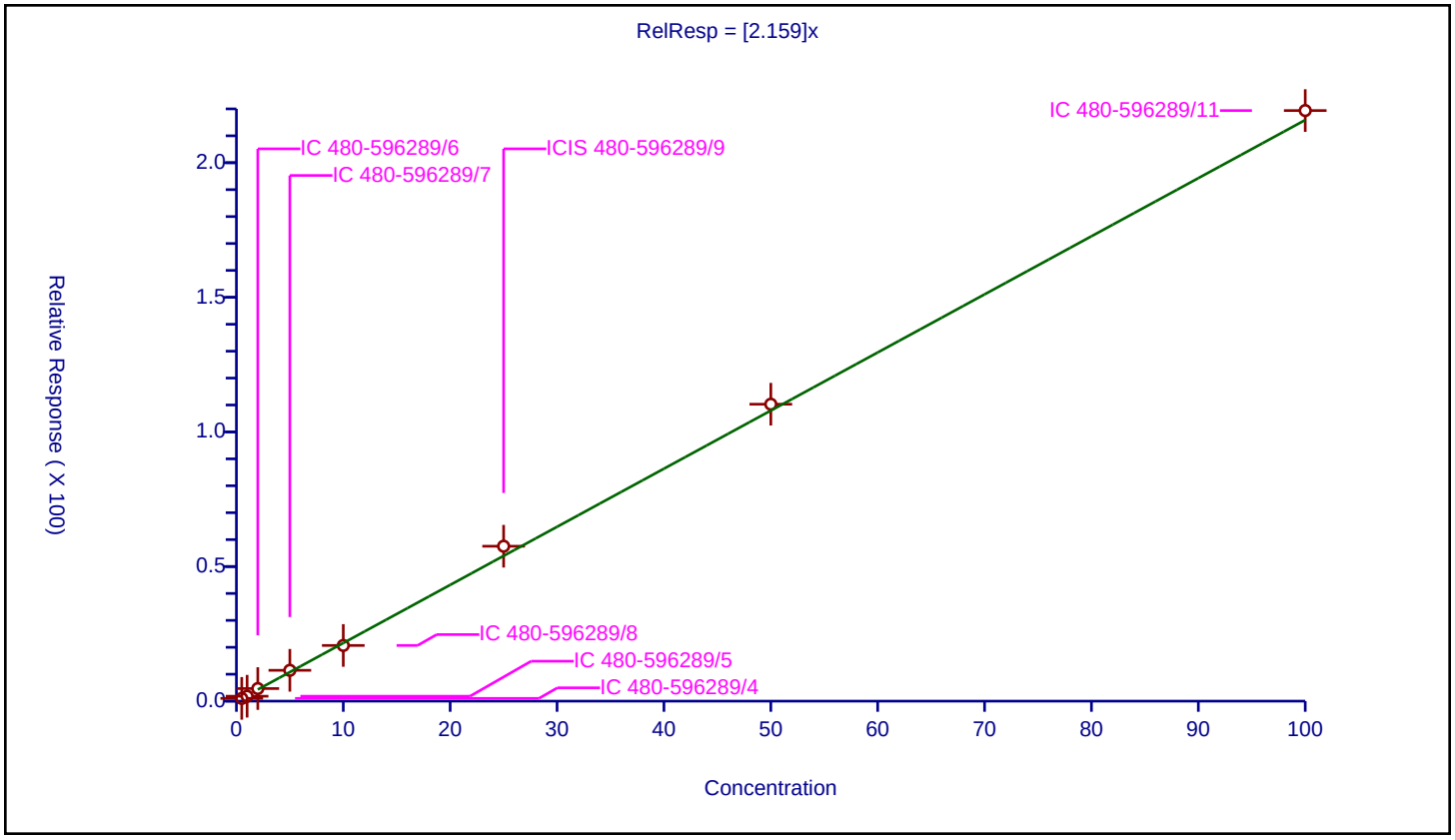
Curve Coefficients

Intercept:	0
Slope:	2.159

Error Coefficients

Standard Error:	658000
Relative Standard Error:	7.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	1.022757	25.0	166804.0	2.045514	Y
2	IC 480-596289/5	1.0	1.826904	25.0	159409.0	1.826904	Y
3	IC 480-596289/6	2.0	4.673259	25.0	151634.0	2.33663	Y
4	IC 480-596289/7	5.0	11.45033	25.0	159574.0	2.290066	Y
5	IC 480-596289/8	10.0	20.681752	25.0	168309.0	2.068175	Y
6	ICIS 480-596289/9	25.0	57.541423	25.0	171221.0	2.301657	Y
7	IC 480-596289/10	50.0	110.303983	25.0	174549.0	2.20608	Y
8	IC 480-596289/11	100.0	219.37321	25.0	171070.0	2.193732	Y



Calibration / 1,1-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

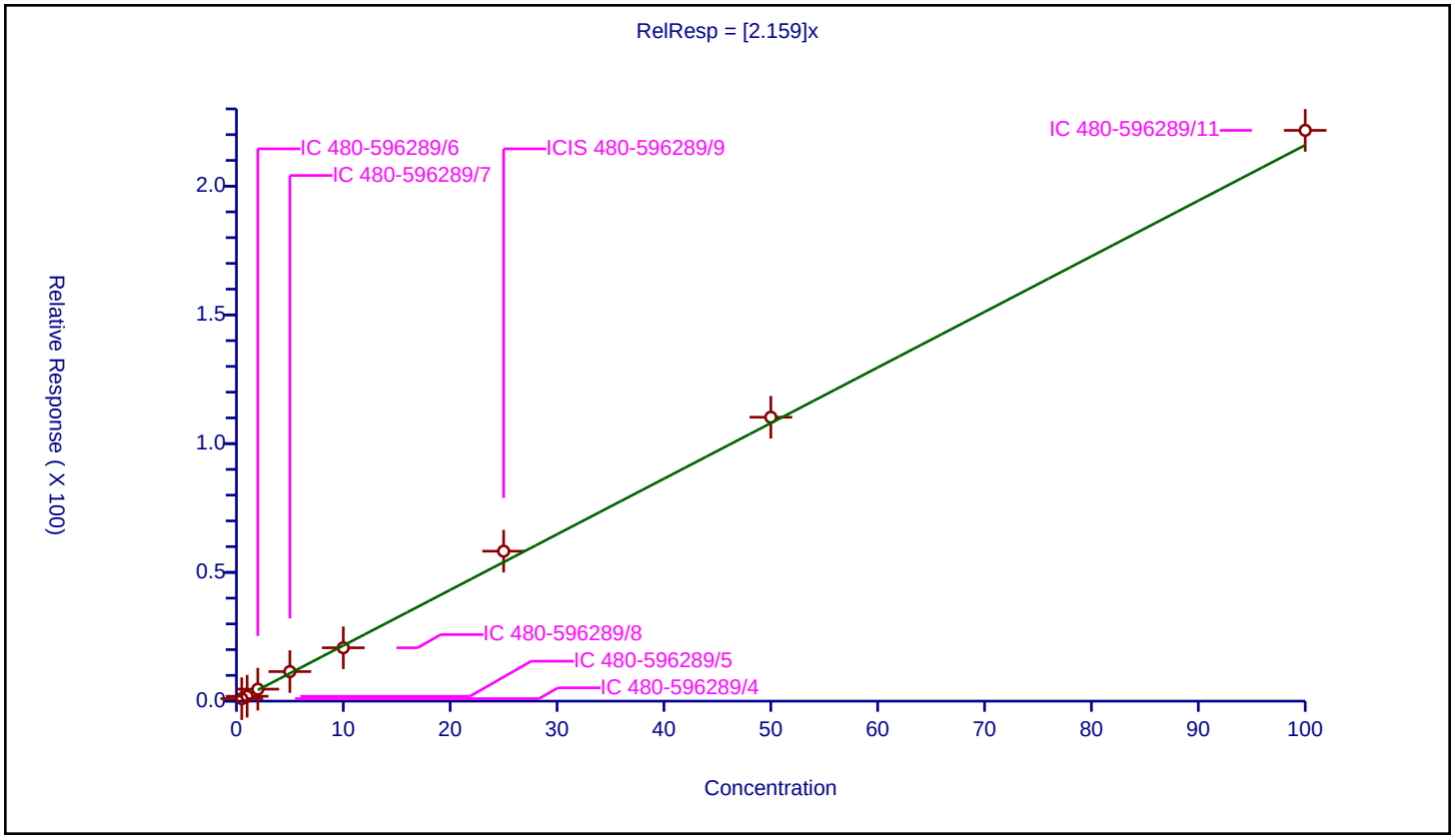
Curve Coefficients

Intercept:	0
Slope:	2.159

Error Coefficients

Standard Error:	663000
Relative Standard Error:	8.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.963856	25.0	166804.0	1.927712	Y
2	IC 480-596289/5	1.0	1.900457	25.0	159409.0	1.900457	Y
3	IC 480-596289/6	2.0	4.656772	25.0	151634.0	2.328386	Y
4	IC 480-596289/7	5.0	11.47571	25.0	159574.0	2.295142	Y
5	IC 480-596289/8	10.0	20.719629	25.0	168309.0	2.071963	Y
6	ICIS 480-596289/9	25.0	58.233803	25.0	171221.0	2.329352	Y
7	IC 480-596289/10	50.0	110.257005	25.0	174549.0	2.20514	Y
8	IC 480-596289/11	100.0	221.664085	25.0	171070.0	2.216641	Y



Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

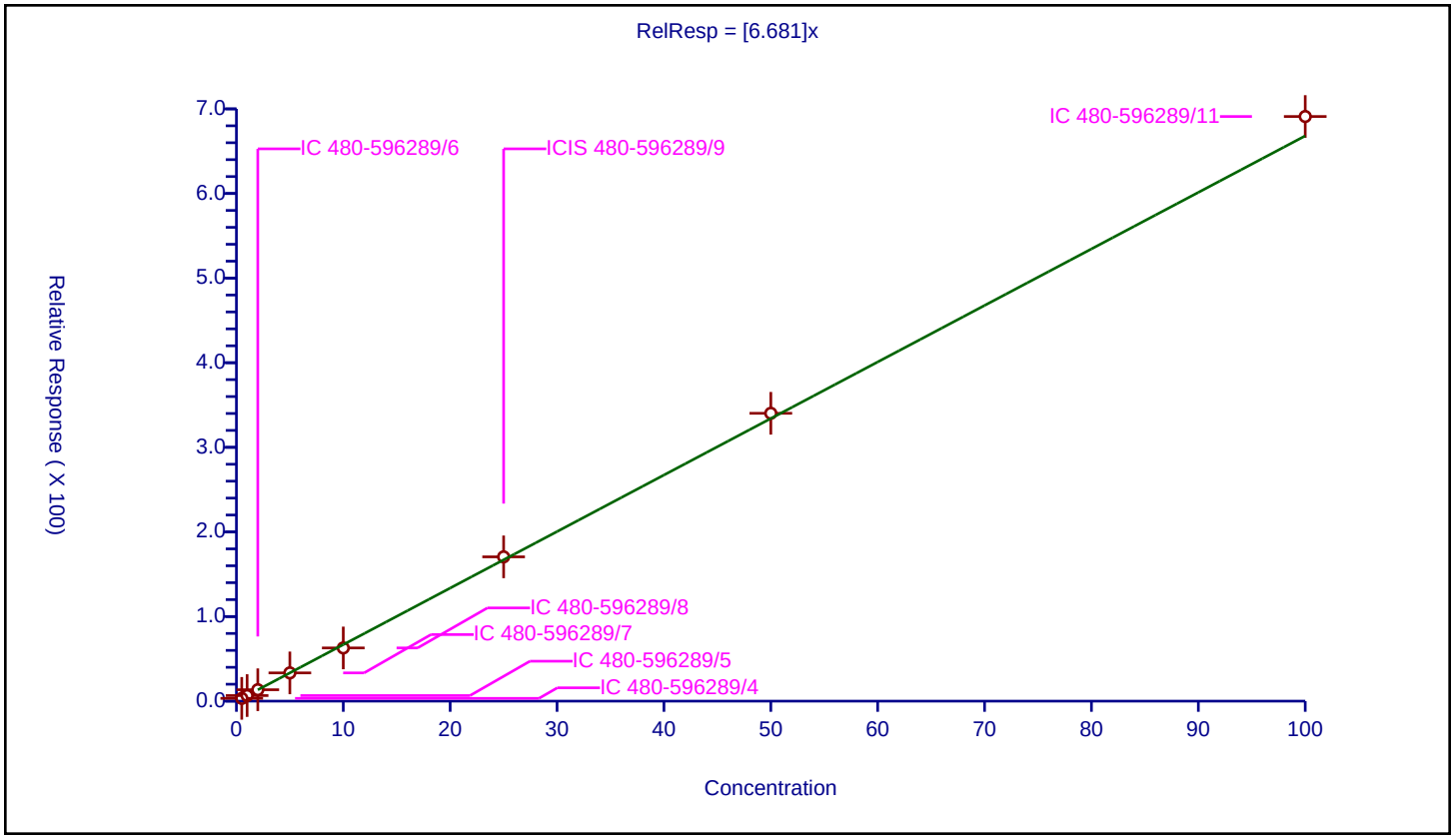
Curve Coefficients

Intercept:	0
Slope:	6.681

Error Coefficients

Standard Error:	2060000
Relative Standard Error:	2.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	3.299381	25.0	166804.0	6.598763	Y
2	IC 480-596289/5	1.0	6.597808	25.0	159409.0	6.597808	Y
3	IC 480-596289/6	2.0	13.496973	25.0	151634.0	6.748486	Y
4	IC 480-596289/7	5.0	33.392971	25.0	159574.0	6.678594	Y
5	IC 480-596289/8	10.0	62.886417	25.0	168309.0	6.288642	Y
6	ICIS 480-596289/9	25.0	170.547129	25.0	171221.0	6.821885	Y
7	IC 480-596289/10	50.0	340.215785	25.0	174549.0	6.804316	Y
8	IC 480-596289/11	100.0	690.994914	25.0	171070.0	6.909949	Y



Calibration / 1,2-Dichloroethane-d4 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

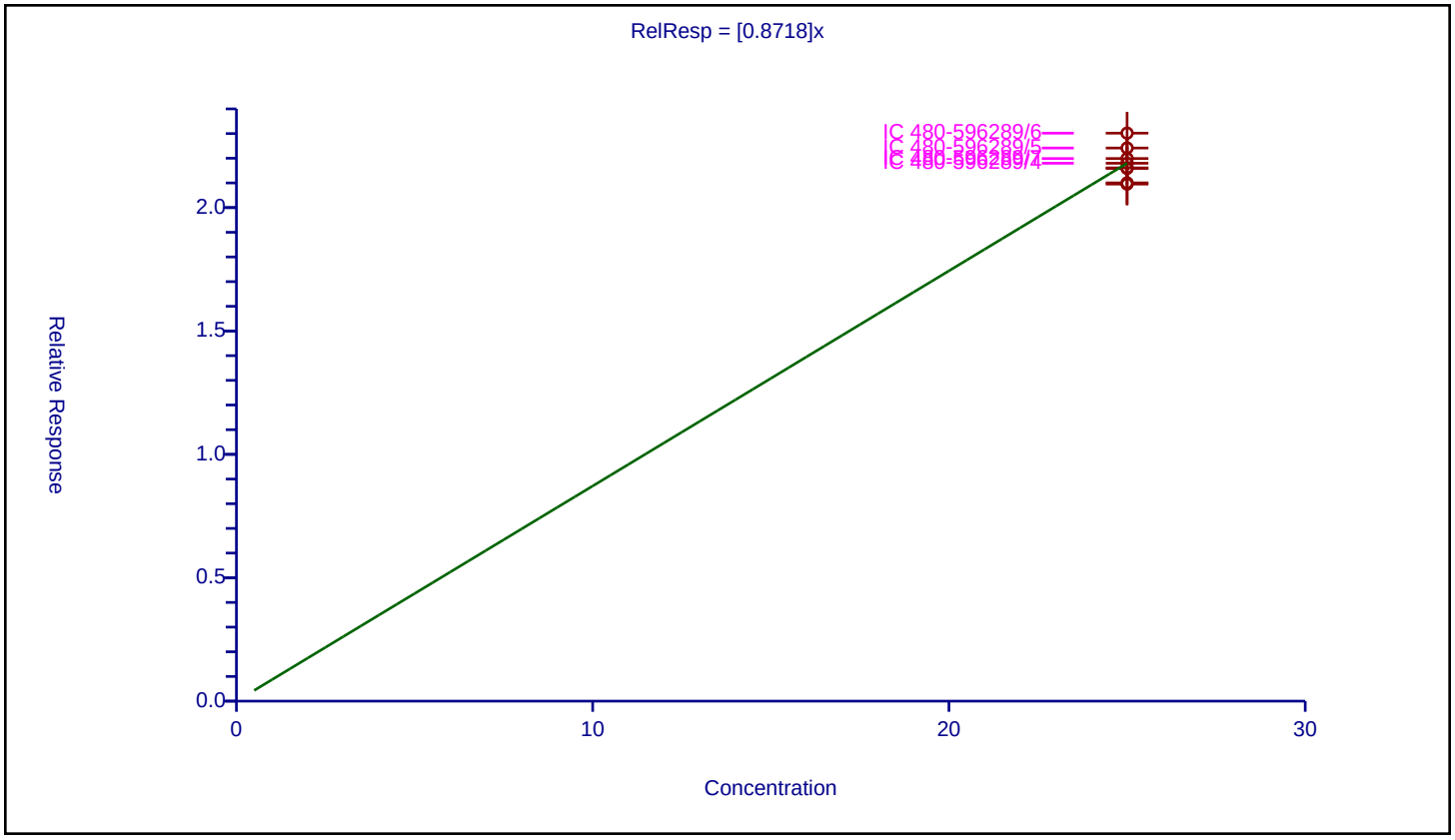
Curve Coefficients

Intercept:	0
Slope:	0.8718

Error Coefficients

Standard Error:	154000
Relative Standard Error:	3.2
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	25.0	21.797139	25.0	166804.0	0.871886	Y
2	IC 480-596289/5	25.0	22.414826	25.0	159409.0	0.896593	Y
3	IC 480-596289/6	25.0	23.0171	25.0	151634.0	0.920684	Y
4	IC 480-596289/7	25.0	21.987918	25.0	159574.0	0.879517	Y
5	IC 480-596289/8	25.0	21.588121	25.0	168309.0	0.863525	Y
6	ICIS 480-596289/9	25.0	20.953037	25.0	171221.0	0.838121	Y
7	IC 480-596289/10	25.0	21.001982	25.0	174549.0	0.840079	Y
8	IC 480-596289/11	25.0	21.609429	25.0	171070.0	0.864377	Y



Calibration / Isobutyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

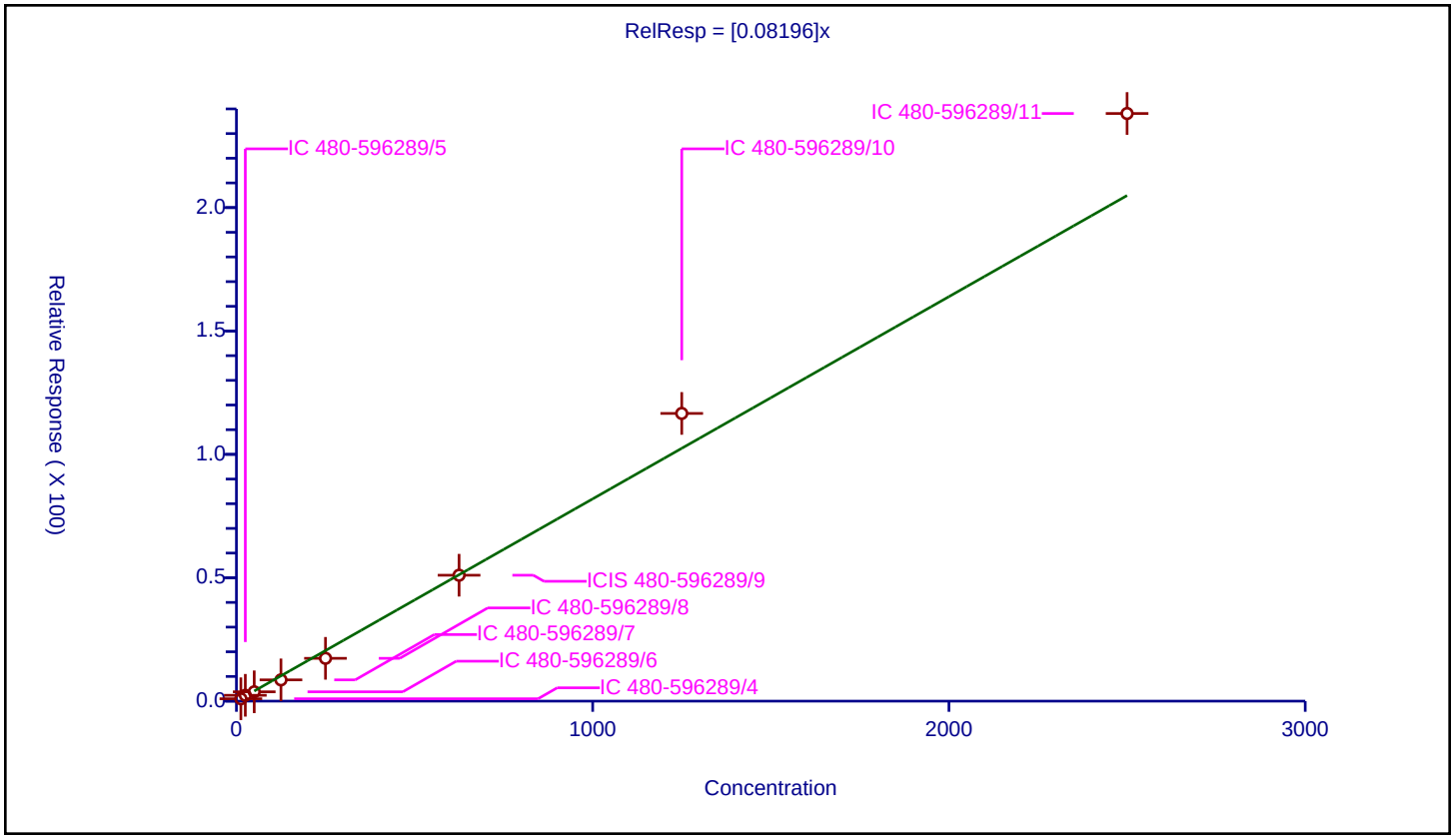
Curve Coefficients

Intercept:	0
Slope:	0.08196

Error Coefficients

Standard Error:	703000
Relative Standard Error:	13.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	12.5	0.960858	25.0	166804.0	0.076869	Y
2	IC 480-596289/5	25.0	2.364986	25.0	159409.0	0.094599	Y
3	IC 480-596289/6	50.0	3.787409	25.0	151634.0	0.075748	Y
4	IC 480-596289/7	125.0	8.613089	25.0	159574.0	0.068905	Y
5	IC 480-596289/8	250.0	17.345923	25.0	168309.0	0.069384	Y
6	ICIS 480-596289/9	625.0	51.028495	25.0	171221.0	0.081646	Y
7	IC 480-596289/10	1250.0	116.590184	25.0	174549.0	0.093272	Y
8	IC 480-596289/11	2500.0	238.128398	25.0	171070.0	0.095251	Y



Calibration / 1,2-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

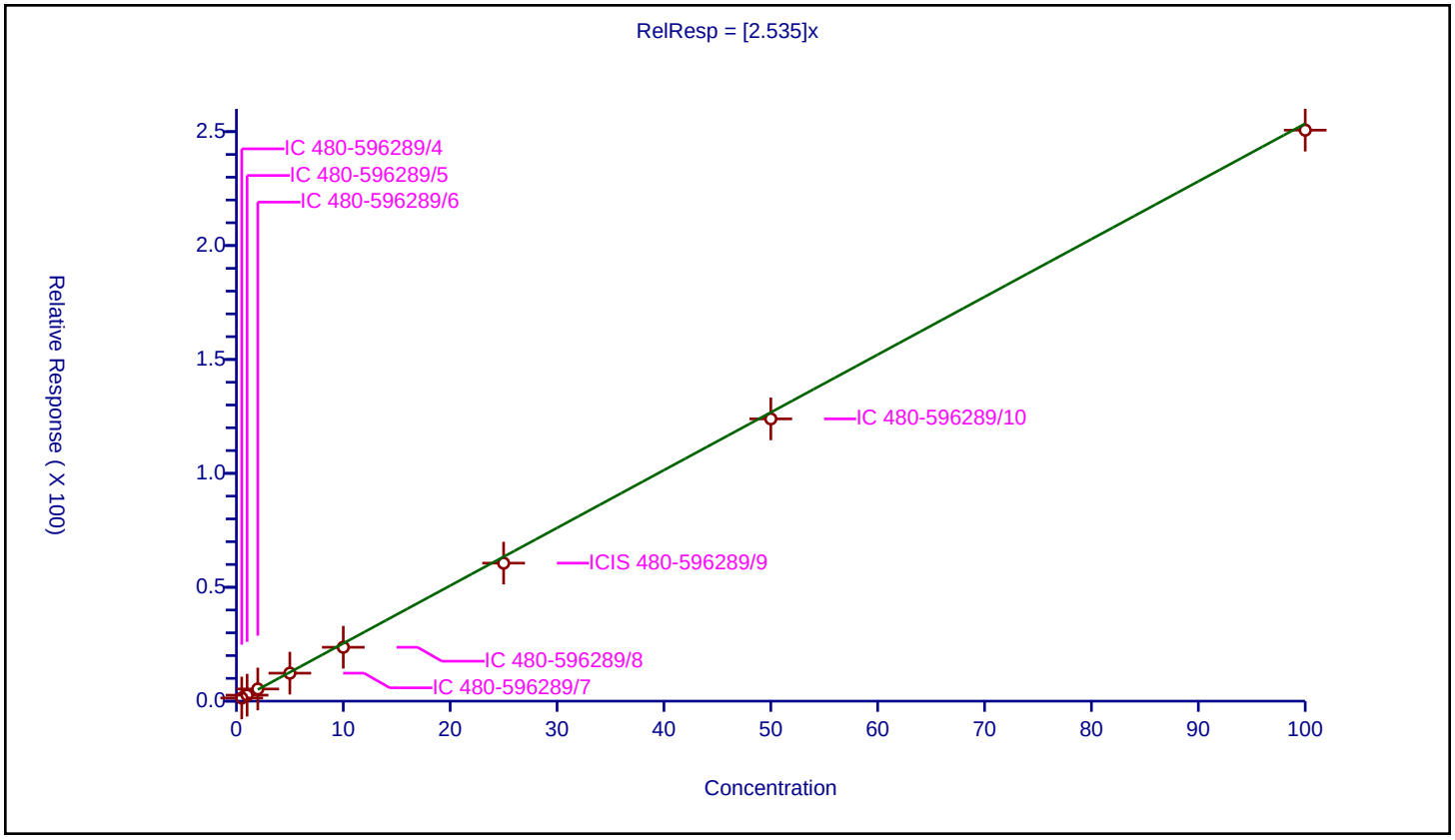
Curve Coefficients

Intercept:	0
Slope:	2.535

Error Coefficients

Standard Error:	746000
Relative Standard Error:	5.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	1.382611	25.0	166804.0	2.765221	Y
2	IC 480-596289/5	1.0	2.619676	25.0	159409.0	2.619676	Y
3	IC 480-596289/6	2.0	5.33571	25.0	151634.0	2.667855	Y
4	IC 480-596289/7	5.0	12.281763	25.0	159574.0	2.456353	Y
5	IC 480-596289/8	10.0	23.646537	25.0	168309.0	2.364654	Y
6	ICIS 480-596289/9	25.0	60.580916	25.0	171221.0	2.423237	Y
7	IC 480-596289/10	50.0	123.910621	25.0	174549.0	2.478212	Y
8	IC 480-596289/11	100.0	250.660402	25.0	171070.0	2.506604	Y



Calibration / n-Heptane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

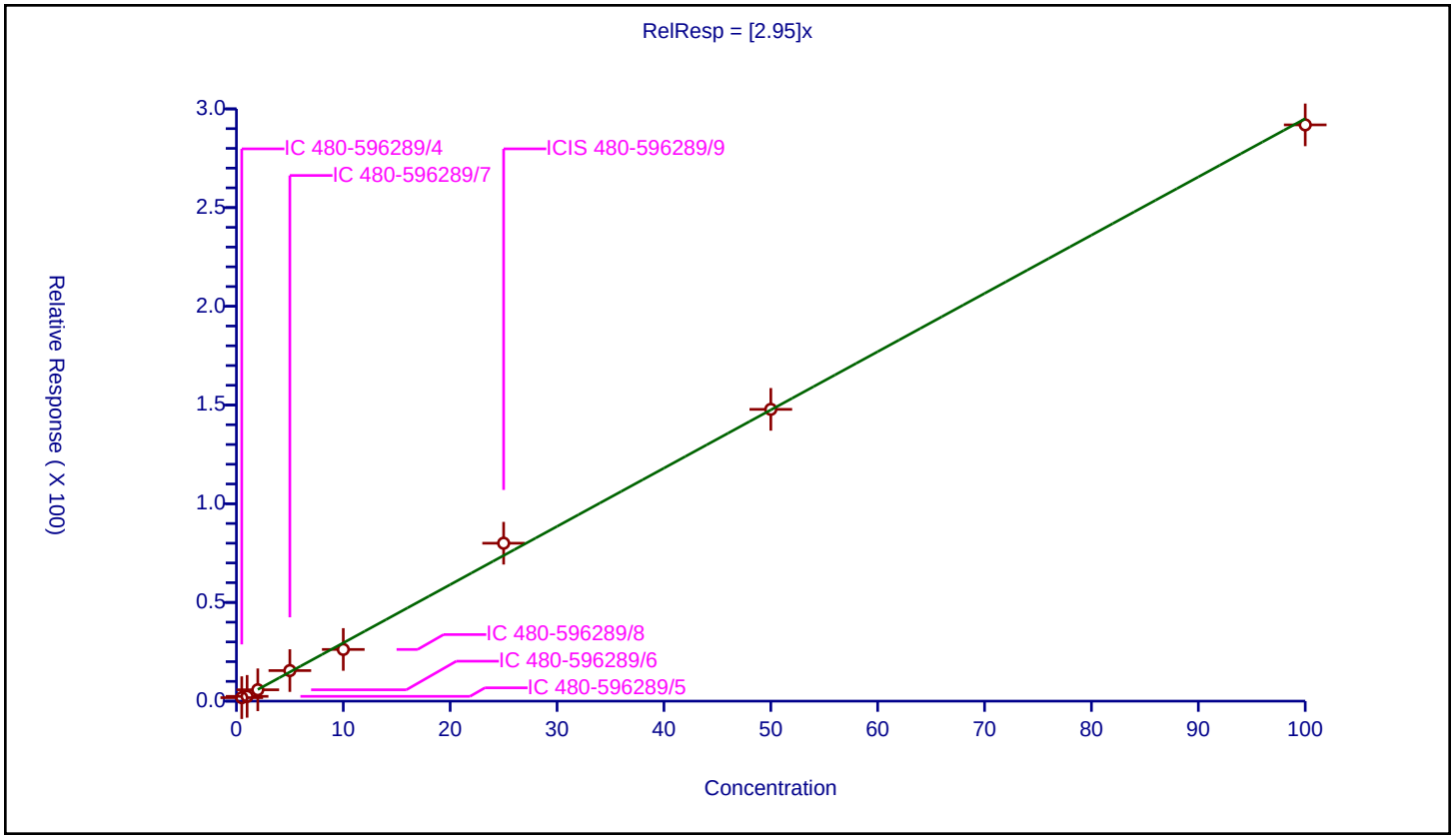
Curve Coefficients

Intercept:	0
Slope:	2.95

Error Coefficients

Standard Error:	878000
Relative Standard Error:	11.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	1.758801	25.0	166804.0	3.517601	Y
2	IC 480-596289/5	1.0	2.417837	25.0	159409.0	2.417837	Y
3	IC 480-596289/6	2.0	5.757284	25.0	151634.0	2.878642	Y
4	IC 480-596289/7	5.0	15.486702	25.0	159574.0	3.09734	Y
5	IC 480-596289/8	10.0	26.173585	25.0	168309.0	2.617359	Y
6	ICIS 480-596289/9	25.0	79.993254	25.0	171221.0	3.19973	Y
7	IC 480-596289/10	50.0	147.805058	25.0	174549.0	2.956101	Y
8	IC 480-596289/11	100.0	291.90536	25.0	171070.0	2.919054	Y



Calibration / Trichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

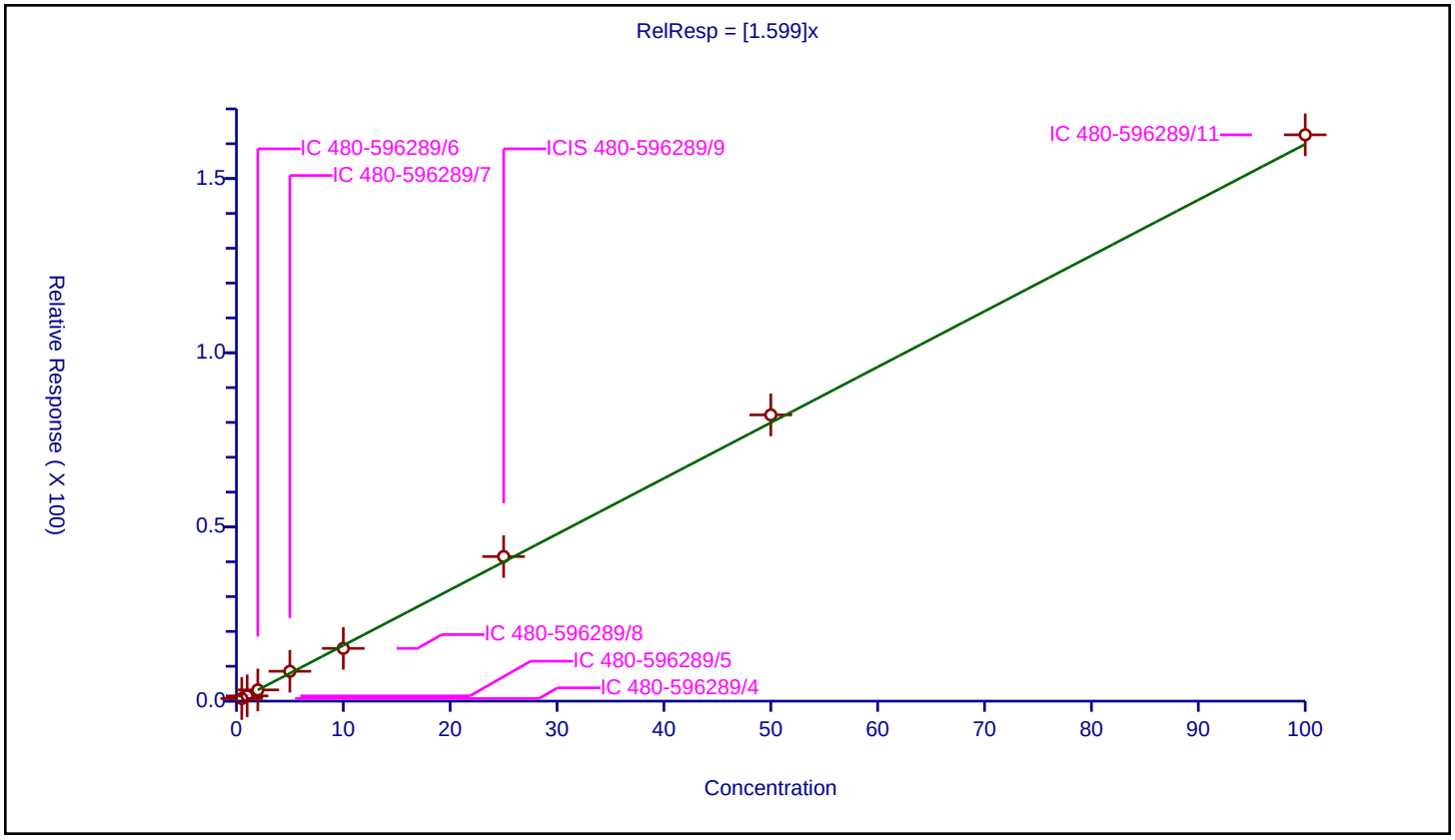
Curve Coefficients

Intercept:	0
Slope:	1.599

Error Coefficients

Standard Error:	487000
Relative Standard Error:	4.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.756577	25.0	166804.0	1.513153	Y
2	IC 480-596289/5	1.0	1.506188	25.0	159409.0	1.506188	Y
3	IC 480-596289/6	2.0	3.223881	25.0	151634.0	1.611941	Y
4	IC 480-596289/7	5.0	8.571728	25.0	159574.0	1.714346	Y
5	IC 480-596289/8	10.0	15.141496	25.0	168309.0	1.51415	Y
6	ICIS 480-596289/9	25.0	41.508343	25.0	171221.0	1.660334	Y
7	IC 480-596289/10	50.0	82.171195	25.0	174549.0	1.643424	Y
8	IC 480-596289/11	100.0	162.564447	25.0	171070.0	1.625644	Y



Calibration / Methylcyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

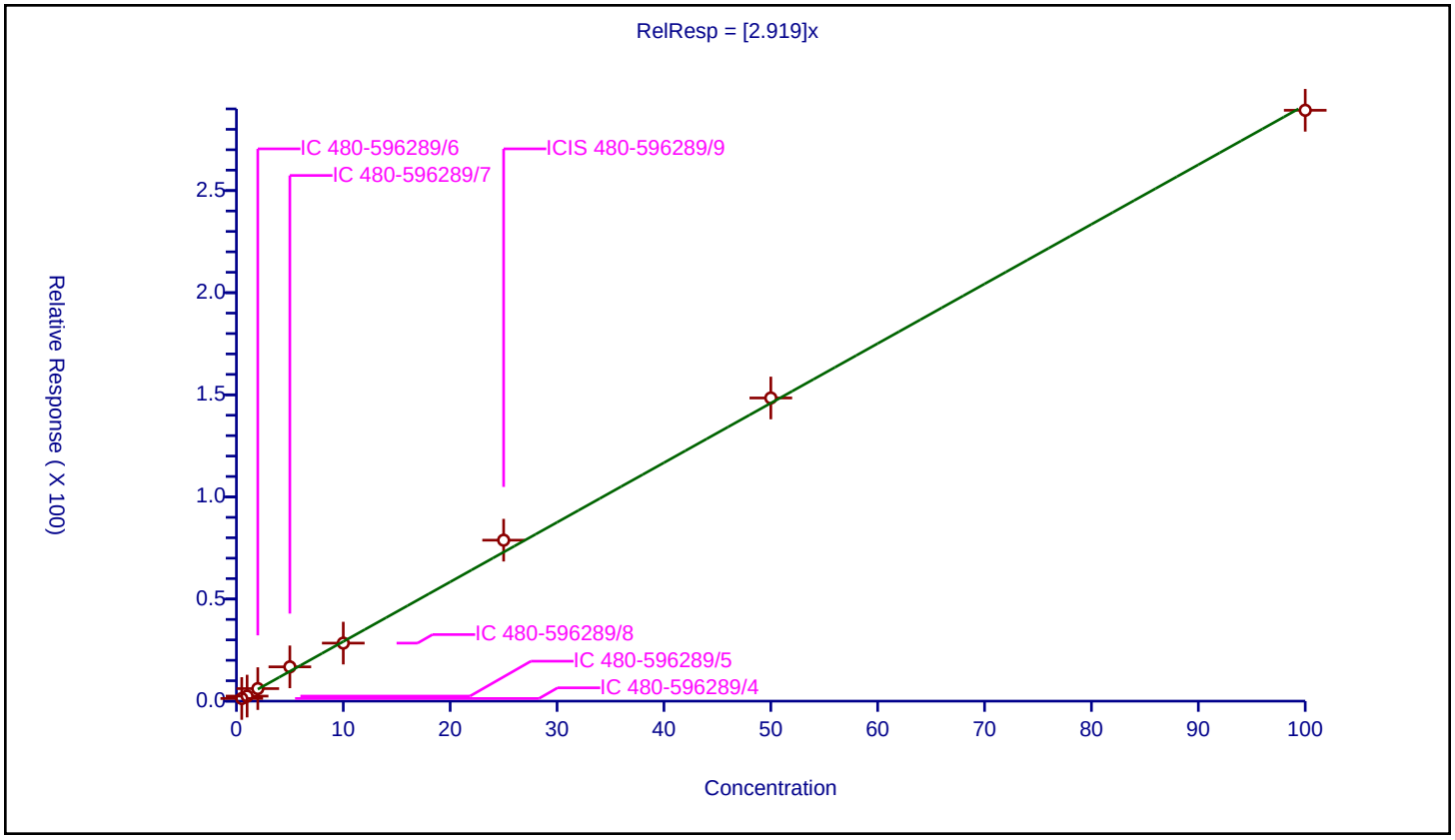
Curve Coefficients

Intercept:	0
Slope:	2.919

Error Coefficients

Standard Error:	873000
Relative Standard Error:	9.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	1.29808	25.0	166804.0	2.596161	Y
2	IC 480-596289/5	1.0	2.46912	25.0	159409.0	2.46912	Y
3	IC 480-596289/6	2.0	6.135992	25.0	151634.0	3.067996	Y
4	IC 480-596289/7	5.0	16.797379	25.0	159574.0	3.359476	Y
5	IC 480-596289/8	10.0	28.411731	25.0	168309.0	2.841173	Y
6	ICIS 480-596289/9	25.0	78.813346	25.0	171221.0	3.152534	Y
7	IC 480-596289/10	50.0	148.443847	25.0	174549.0	2.968877	Y
8	IC 480-596289/11	100.0	289.317385	25.0	171070.0	2.893174	Y



Calibration / 1,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

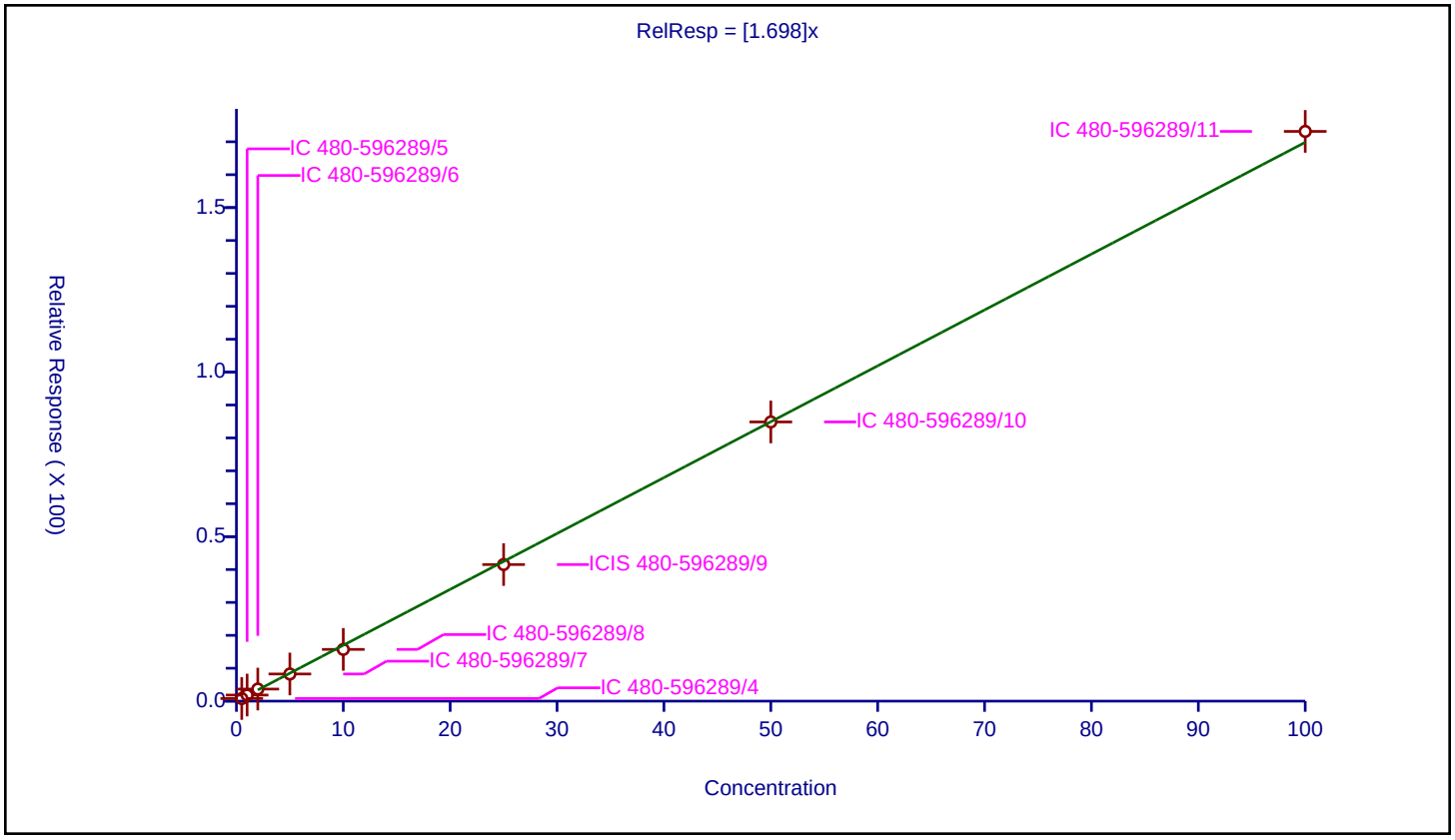
Curve Coefficients

Intercept:	0
Slope:	1.698

Error Coefficients

Standard Error:	514000
Relative Standard Error:	6.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.796594	25.0	166804.0	1.593187	Y
2	IC 480-596289/5	1.0	1.845881	25.0	159409.0	1.845881	Y
3	IC 480-596289/6	2.0	3.672824	25.0	151634.0	1.836412	Y
4	IC 480-596289/7	5.0	8.252284	25.0	159574.0	1.650457	Y
5	IC 480-596289/8	10.0	15.720639	25.0	168309.0	1.572064	Y
6	ICIS 480-596289/9	25.0	41.51579	25.0	171221.0	1.660632	Y
7	IC 480-596289/10	50.0	84.854683	25.0	174549.0	1.697094	Y
8	IC 480-596289/11	100.0	173.15821	25.0	171070.0	1.731582	Y



Calibration / Dibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

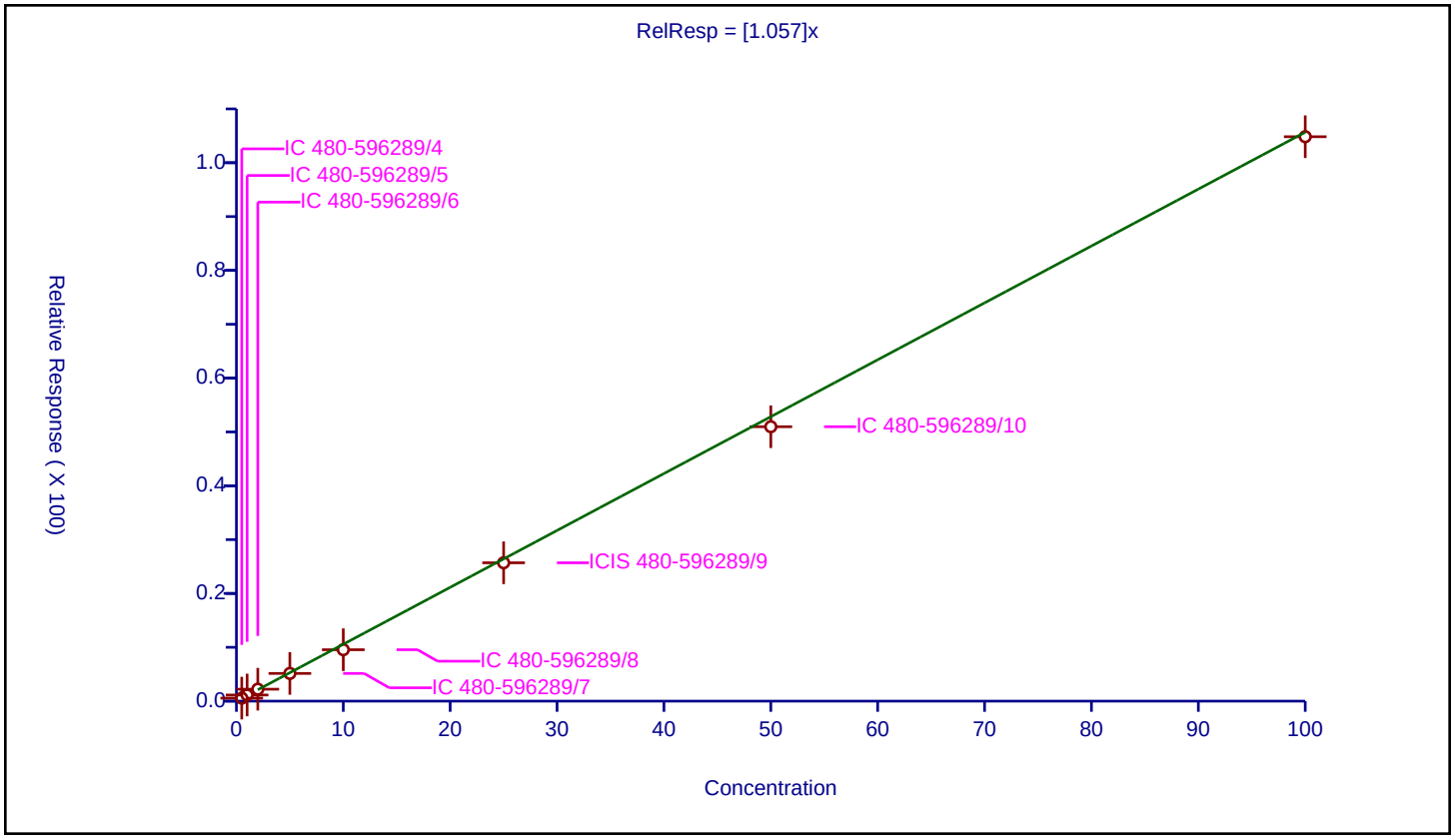
Curve Coefficients

Intercept:	0
Slope:	1.057

Error Coefficients

Standard Error:	311000
Relative Standard Error:	5.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.560238	25.0	166804.0	1.120477	Y
2	IC 480-596289/5	1.0	1.142501	25.0	159409.0	1.142501	Y
3	IC 480-596289/6	2.0	2.219819	25.0	151634.0	1.109909	Y
4	IC 480-596289/7	5.0	5.149178	25.0	159574.0	1.029836	Y
5	IC 480-596289/8	10.0	9.549846	25.0	168309.0	0.954985	Y
6	ICIS 480-596289/9	25.0	25.697636	25.0	171221.0	1.027905	Y
7	IC 480-596289/10	50.0	50.967207	25.0	174549.0	1.019344	Y
8	IC 480-596289/11	100.0	104.831209	25.0	171070.0	1.048312	Y



Calibration / 1,4-Dioxane

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

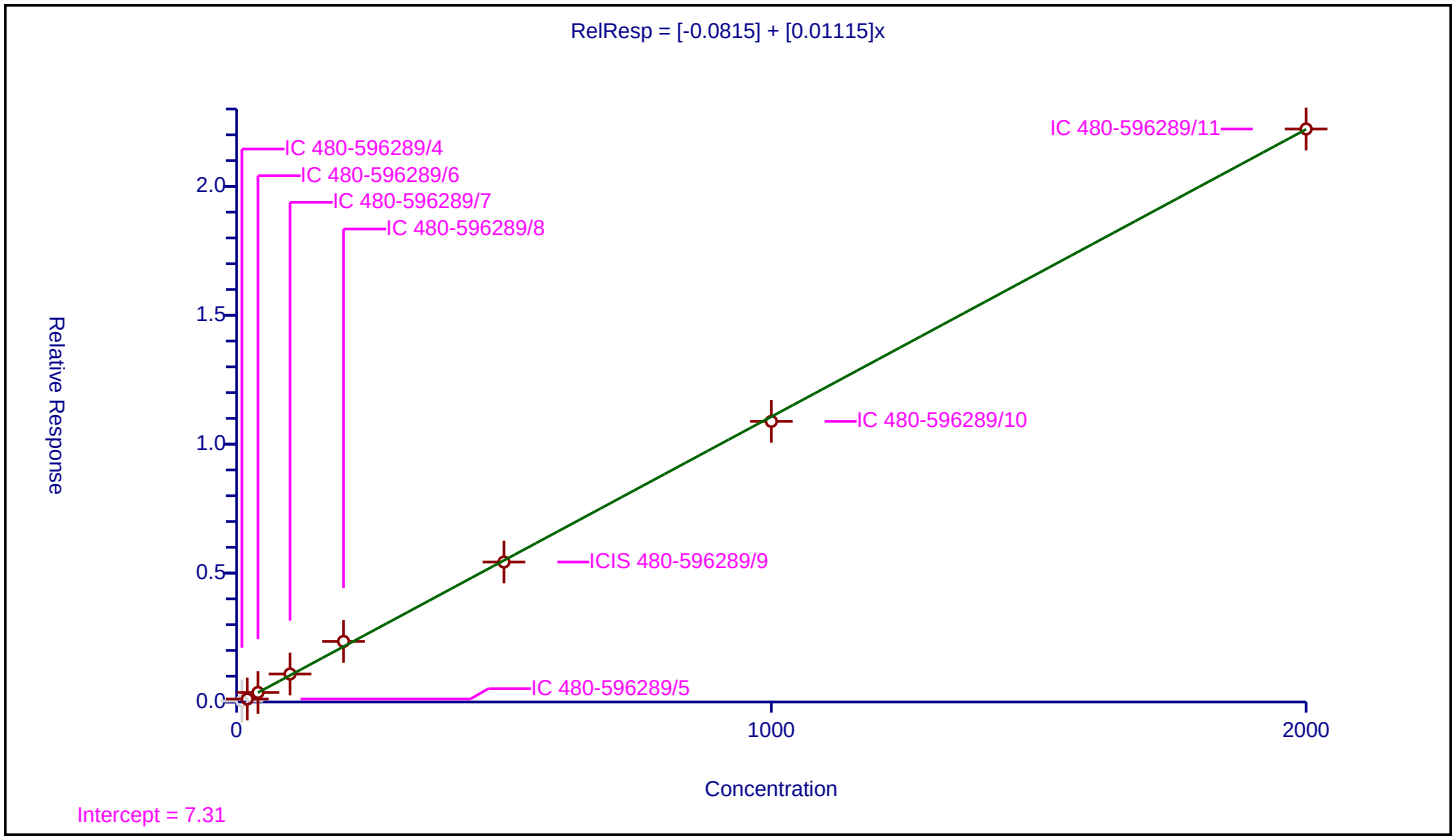
Curve Coefficients

Intercept:	-0.0815
Slope:	0.01115

Error Coefficients

Standard Error:	162000
Relative Standard Error:	7.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	10.0	0.034711	25.0	352919.0	0.003471	N
2	IC 480-596289/5	20.0	0.114615	25.0	339179.0	0.005731	Y
3	IC 480-596289/6	40.0	0.368587	25.0	318378.0	0.009215	Y
4	IC 480-596289/7	100.0	1.085978	25.0	323303.0	0.01086	Y
5	IC 480-596289/8	200.0	2.349953	25.0	338411.0	0.01175	Y
6	ICIS 480-596289/9	500.0	5.428646	25.0	348761.0	0.010857	Y
7	IC 480-596289/10	1000.0	10.884811	25.0	359749.0	0.010885	Y
8	IC 480-596289/11	2000.0	22.22499	25.0	355314.0	0.011112	Y



Calibration / Dichlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

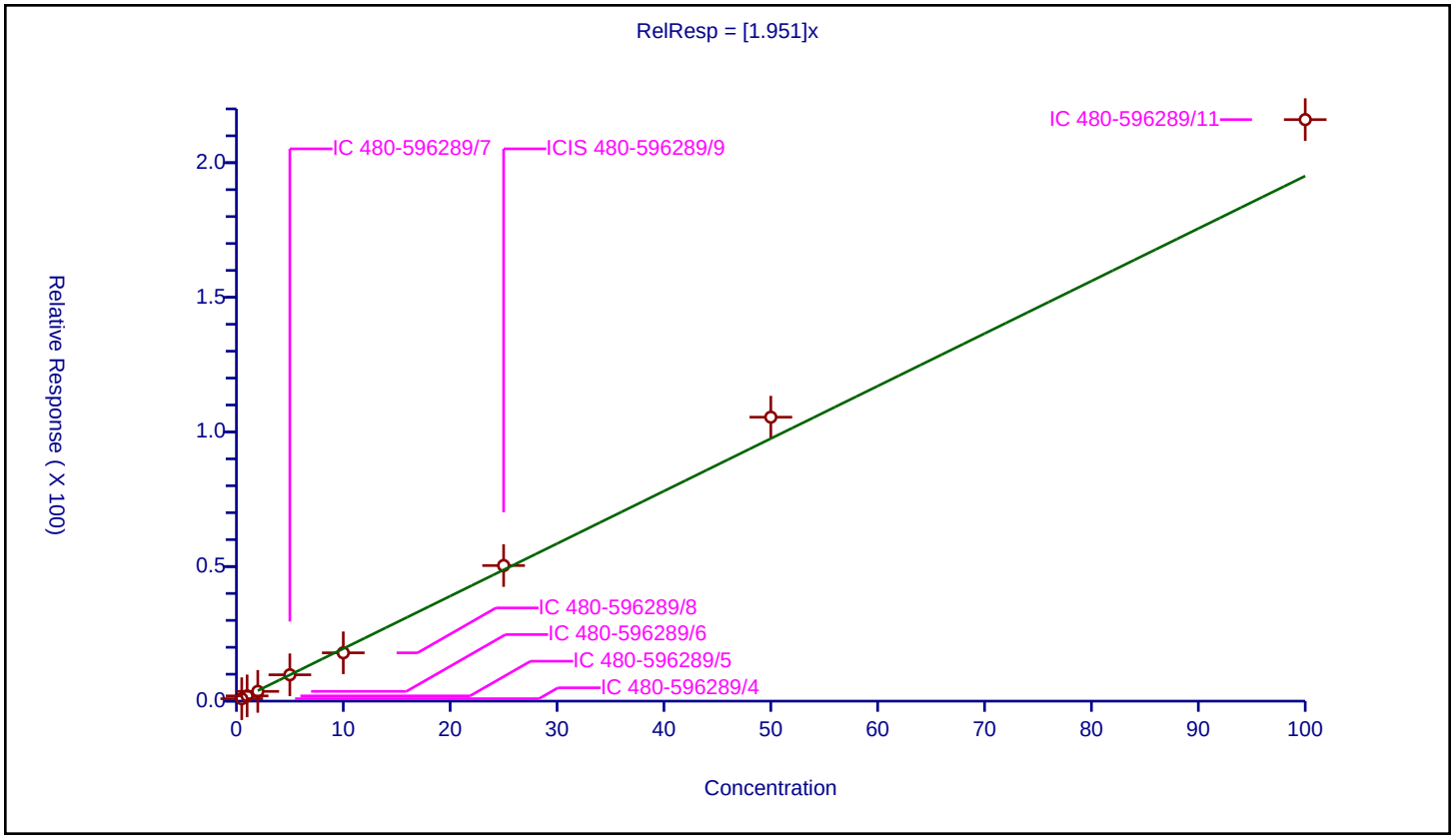
Curve Coefficients

Intercept:	0
Slope:	1.951

Error Coefficients

Standard Error:	640000
Relative Standard Error:	7.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.905254	25.0	166804.0	1.810508	Y
2	IC 480-596289/5	1.0	1.94437	25.0	159409.0	1.94437	Y
3	IC 480-596289/6	2.0	3.624022	25.0	151634.0	1.812011	Y
4	IC 480-596289/7	5.0	9.794359	25.0	159574.0	1.958872	Y
5	IC 480-596289/8	10.0	17.947495	25.0	168309.0	1.79475	Y
6	ICIS 480-596289/9	25.0	50.36999	25.0	171221.0	2.0148	Y
7	IC 480-596289/10	50.0	105.48442	25.0	174549.0	2.109688	Y
8	IC 480-596289/11	100.0	216.012597	25.0	171070.0	2.160126	Y



Calibration / 2-Chloroethyl vinyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

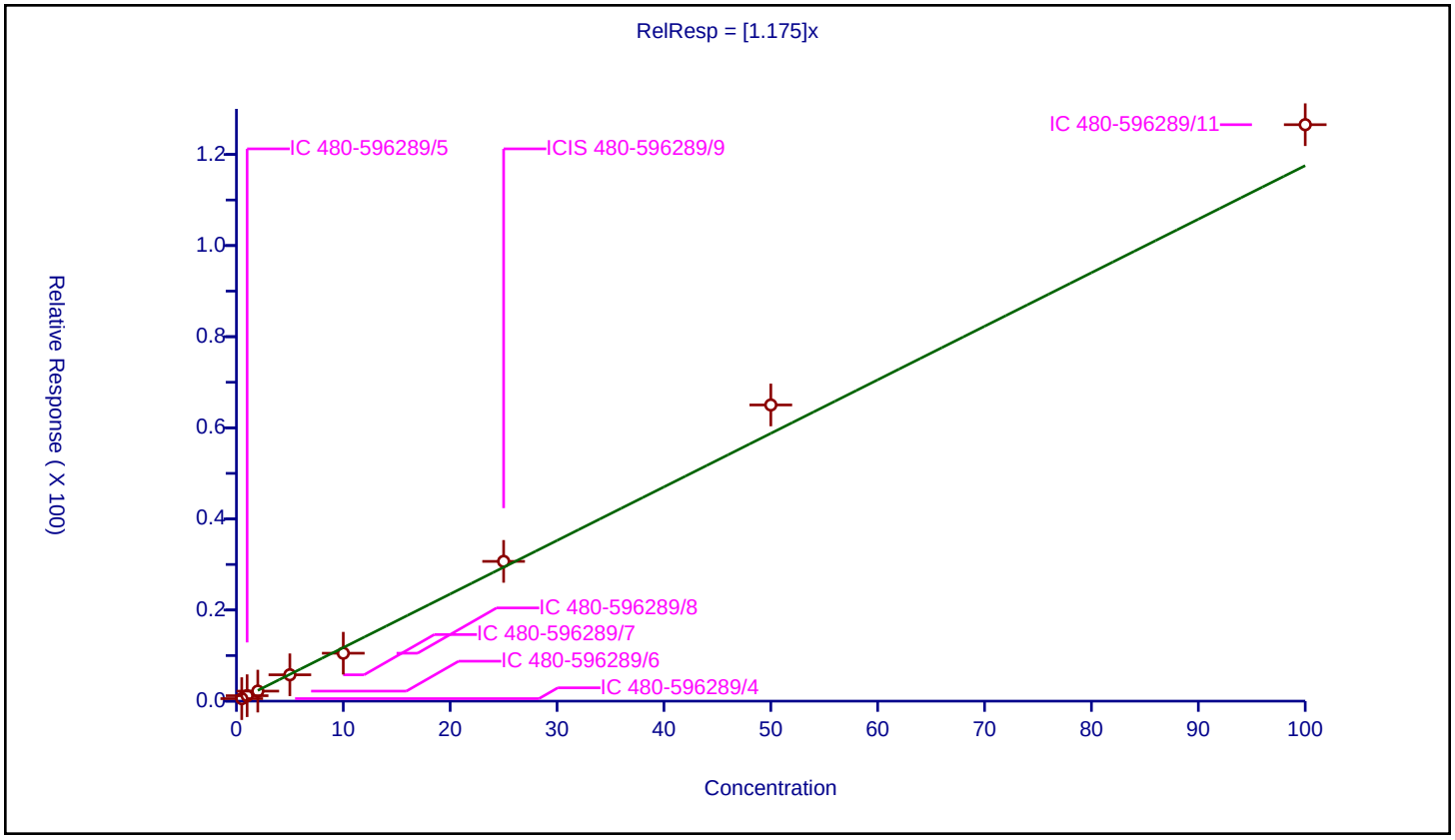
Curve Coefficients

Intercept:	0
Slope:	1.175

Error Coefficients

Standard Error:	379000
Relative Standard Error:	7.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.552894	25.0	166804.0	1.105789	Y
2	IC 480-596289/5	1.0	1.195353	25.0	159409.0	1.195353	Y
3	IC 480-596289/6	2.0	2.200694	25.0	151634.0	1.100347	Y
4	IC 480-596289/7	5.0	5.786814	25.0	159574.0	1.157363	Y
5	IC 480-596289/8	10.0	10.522907	25.0	168309.0	1.052291	Y
6	ICIS 480-596289/9	25.0	30.67775	25.0	171221.0	1.22711	Y
7	IC 480-596289/10	50.0	65.012117	25.0	174549.0	1.300242	Y
8	IC 480-596289/11	100.0	126.530514	25.0	171070.0	1.265305	Y



Calibration / cis-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

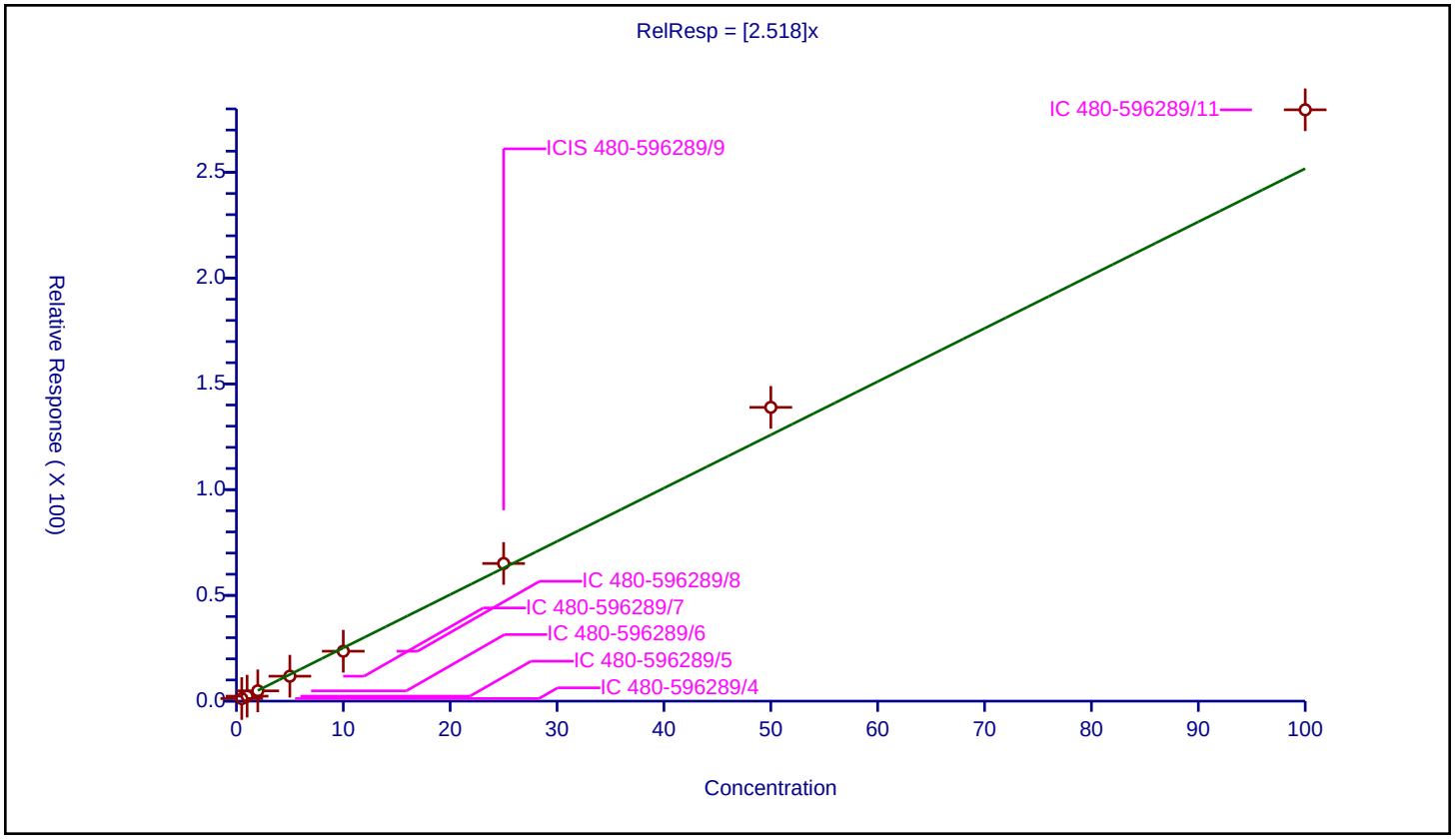
Curve Coefficients

Intercept:	0
Slope:	2.518

Error Coefficients

Standard Error:	831000
Relative Standard Error:	7.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	1.227788	25.0	166804.0	2.455577	Y
2	IC 480-596289/5	1.0	2.358399	25.0	159409.0	2.358399	Y
3	IC 480-596289/6	2.0	4.86962	25.0	151634.0	2.43481	Y
4	IC 480-596289/7	5.0	11.787635	25.0	159574.0	2.357527	Y
5	IC 480-596289/8	10.0	23.597372	25.0	168309.0	2.359737	Y
6	ICIS 480-596289/9	25.0	65.075984	25.0	171221.0	2.603039	Y
7	IC 480-596289/10	50.0	138.889939	25.0	174549.0	2.777799	Y
8	IC 480-596289/11	100.0	279.571374	25.0	171070.0	2.795714	Y



Calibration / 4-Methyl-2-pentanone (MIBK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

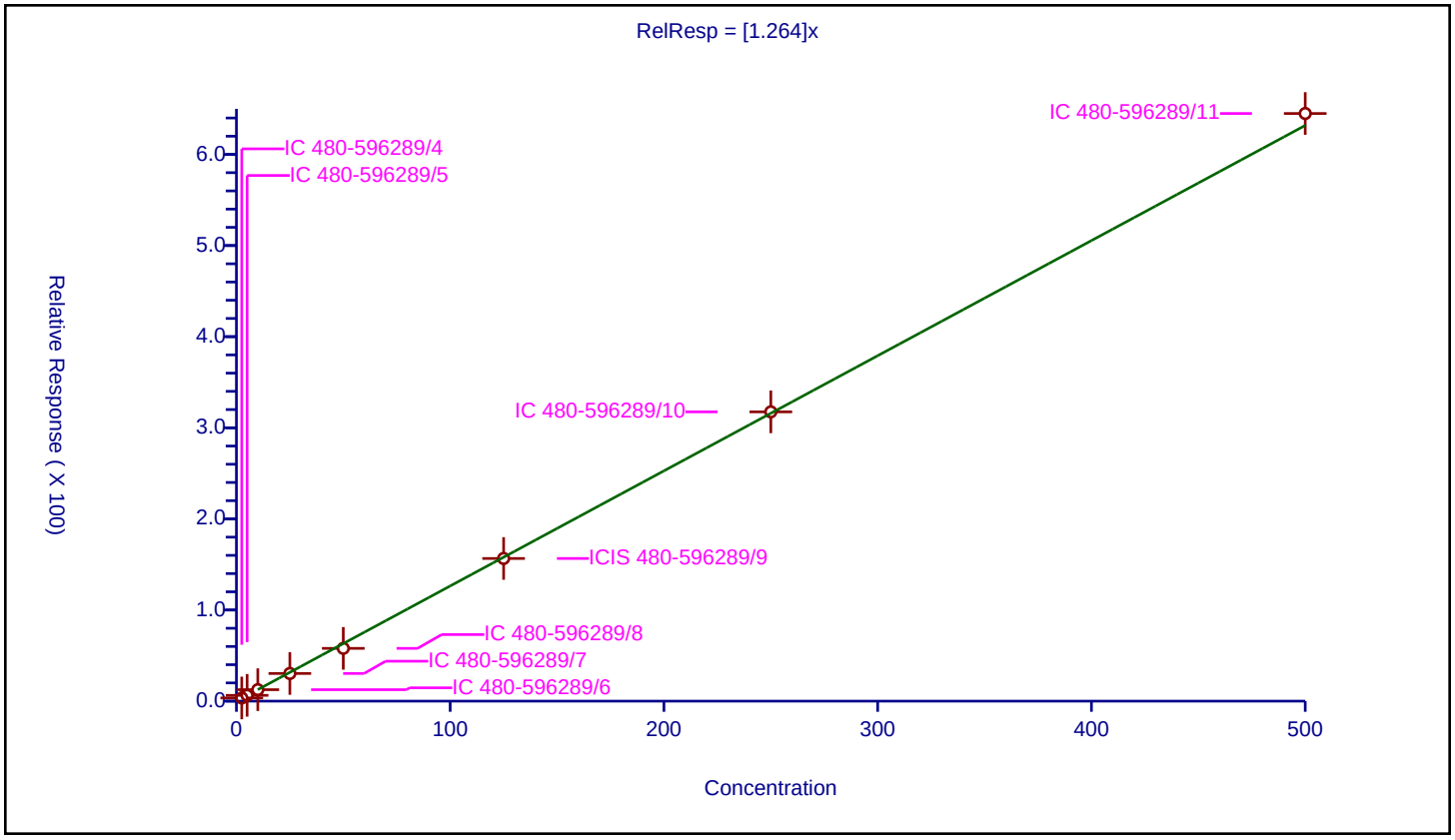
Curve Coefficients

Intercept:	0
Slope:	1.264

Error Coefficients

Standard Error:	3970000
Relative Standard Error:	5.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	2.5	3.481394	25.0	352919.0	1.392557	Y
2	IC 480-596289/5	5.0	6.364117	25.0	339179.0	1.272823	Y
3	IC 480-596289/6	10.0	12.581507	25.0	318378.0	1.258151	Y
4	IC 480-596289/7	25.0	30.364472	25.0	323303.0	1.214579	Y
5	IC 480-596289/8	50.0	57.931184	25.0	338411.0	1.158624	Y
6	ICIS 480-596289/9	125.0	156.588323	25.0	348761.0	1.252707	Y
7	IC 480-596289/10	250.0	317.507484	25.0	359749.0	1.27003	Y
8	IC 480-596289/11	500.0	644.951367	25.0	355314.0	1.289903	Y



Calibration / Toluene-d8 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

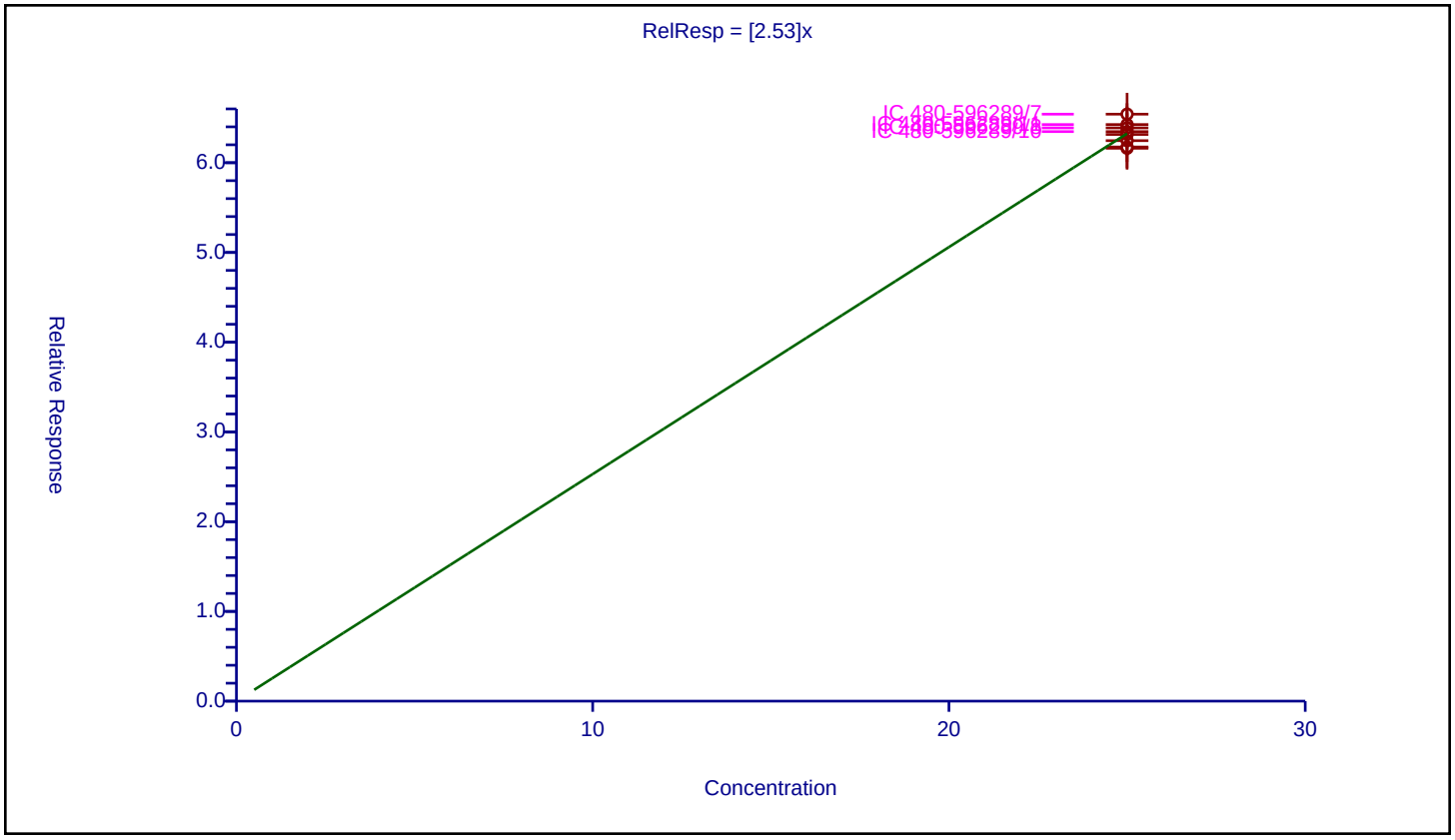
Curve Coefficients

Intercept:	0
Slope:	2.53

Error Coefficients

Standard Error:	926000
Relative Standard Error:	2.0
Correlation Coefficient:	0
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	25.0	61.755318	25.0	352919.0	2.470213	Y
2	IC 480-596289/5	25.0	62.45935	25.0	339179.0	2.498374	Y
3	IC 480-596289/6	25.0	61.613004	25.0	318378.0	2.46452	Y
4	IC 480-596289/7	25.0	65.413327	25.0	323303.0	2.616533	Y
5	IC 480-596289/8	25.0	63.884818	25.0	338411.0	2.555393	Y
6	ICIS 480-596289/9	25.0	63.149693	25.0	348761.0	2.525988	Y
7	IC 480-596289/10	25.0	63.468349	25.0	359749.0	2.538734	Y
8	IC 480-596289/11	25.0	64.254645	25.0	355314.0	2.570186	Y



Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

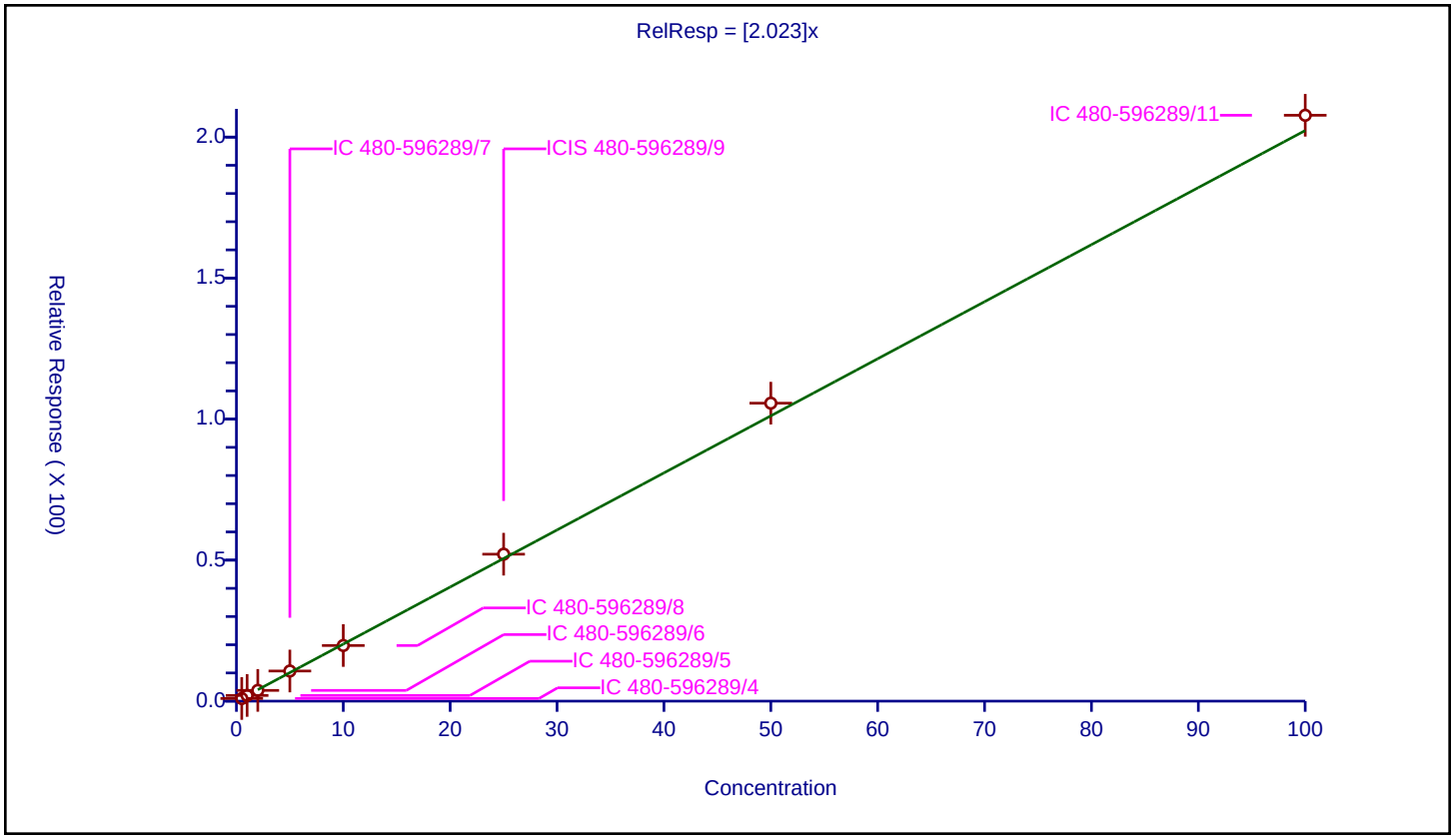
Curve Coefficients

Intercept:	0
Slope:	2.023

Error Coefficients

Standard Error:	1290000
Relative Standard Error:	4.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.939238	25.0	352919.0	1.878476	Y
2	IC 480-596289/5	1.0	2.017077	25.0	339179.0	2.017077	Y
3	IC 480-596289/6	2.0	3.809858	25.0	318378.0	1.904929	Y
4	IC 480-596289/7	5.0	10.689431	25.0	323303.0	2.137886	Y
5	IC 480-596289/8	10.0	19.72727	25.0	338411.0	1.972727	Y
6	ICIS 480-596289/9	25.0	52.110686	25.0	348761.0	2.084427	Y
7	IC 480-596289/10	50.0	105.650606	25.0	359749.0	2.113012	Y
8	IC 480-596289/11	100.0	207.732527	25.0	355314.0	2.077325	Y



Calibration / trans-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

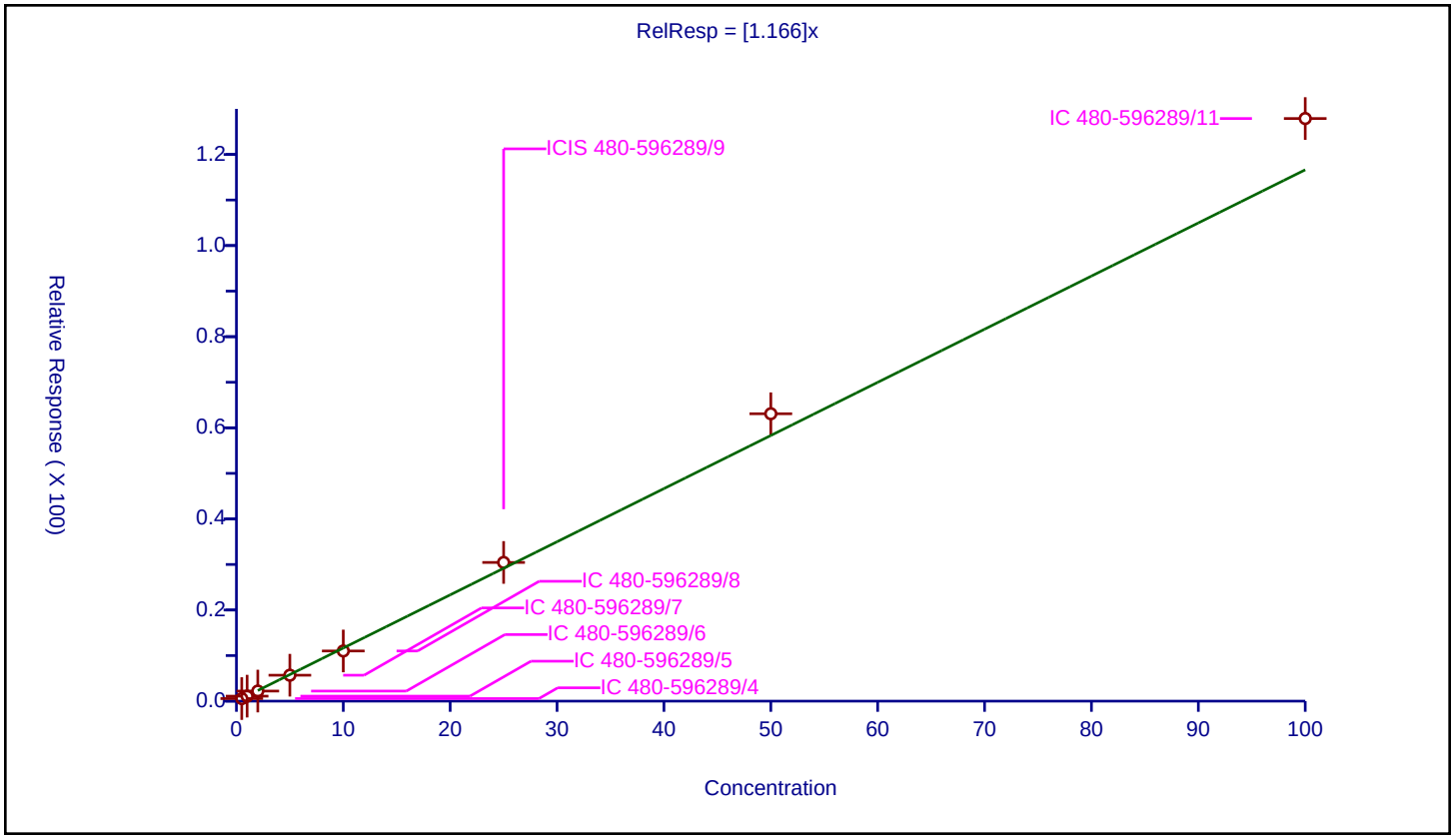
Curve Coefficients

Intercept:	0
Slope:	1.166

Error Coefficients

Standard Error:	787000
Relative Standard Error:	6.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.564931	25.0	352919.0	1.129863	Y
2	IC 480-596289/5	1.0	1.095439	25.0	339179.0	1.095439	Y
3	IC 480-596289/6	2.0	2.214113	25.0	318378.0	1.107057	Y
4	IC 480-596289/7	5.0	5.692261	25.0	323303.0	1.138452	Y
5	IC 480-596289/8	10.0	11.011536	25.0	338411.0	1.101154	Y
6	ICIS 480-596289/9	25.0	30.444201	25.0	348761.0	1.217768	Y
7	IC 480-596289/10	50.0	63.086416	25.0	359749.0	1.261728	Y
8	IC 480-596289/11	100.0	127.885617	25.0	355314.0	1.278856	Y



Calibration / Ethyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

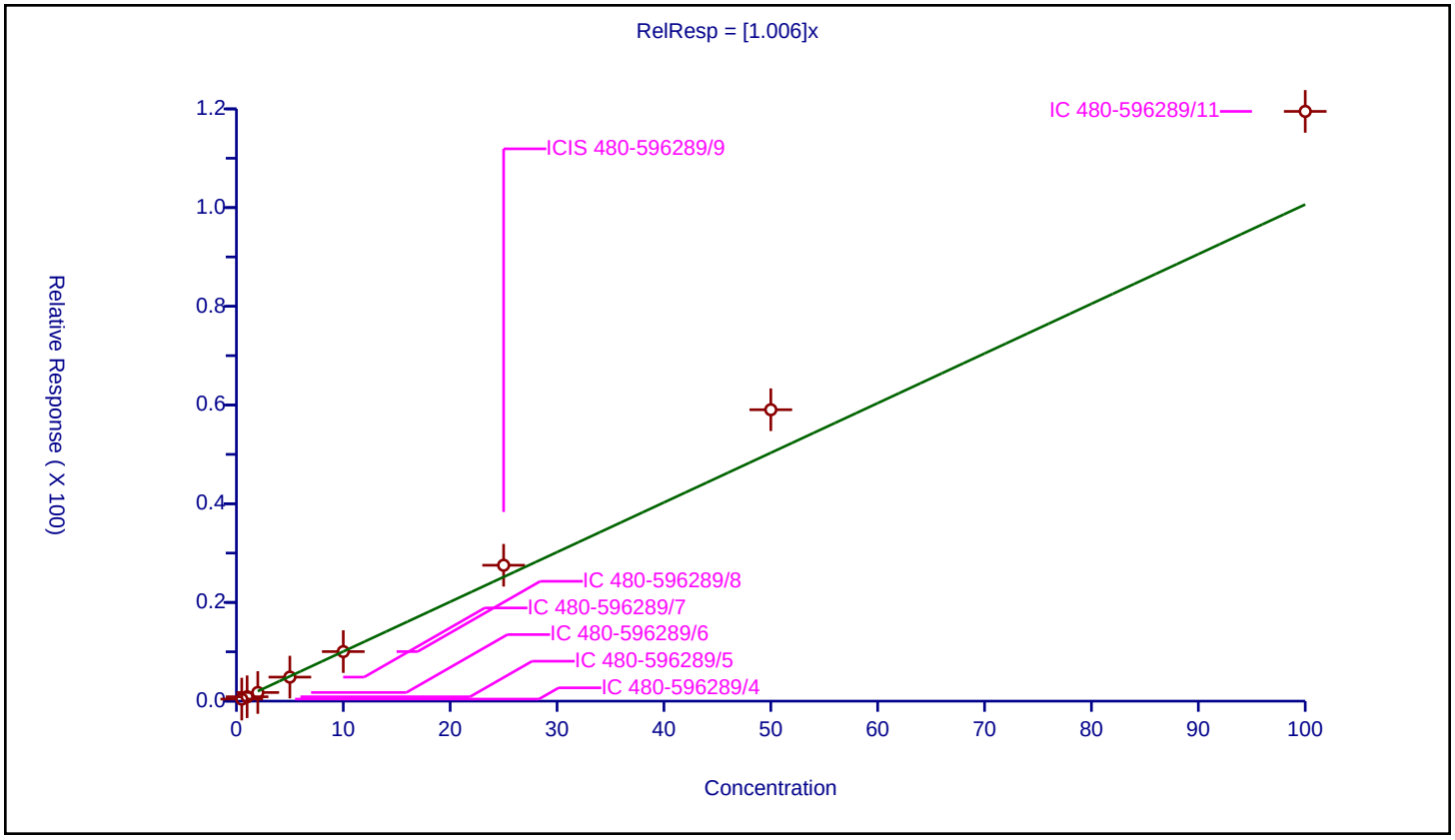
Curve Coefficients

Intercept:	0
Slope:	1.006

Error Coefficients

Standard Error:	734000
Relative Standard Error:	13.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.41603	25.0	352919.0	0.832061	Y
2	IC 480-596289/5	1.0	0.885963	25.0	339179.0	0.885963	Y
3	IC 480-596289/6	2.0	1.753497	25.0	318378.0	0.876749	Y
4	IC 480-596289/7	5.0	4.872906	25.0	323303.0	0.974581	Y
5	IC 480-596289/8	10.0	10.040823	25.0	338411.0	1.004082	Y
6	ICIS 480-596289/9	25.0	27.534114	25.0	348761.0	1.101365	Y
7	IC 480-596289/10	50.0	59.043875	25.0	359749.0	1.180878	Y
8	IC 480-596289/11	100.0	119.493603	25.0	355314.0	1.194936	Y



Calibration / 1,1,2-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

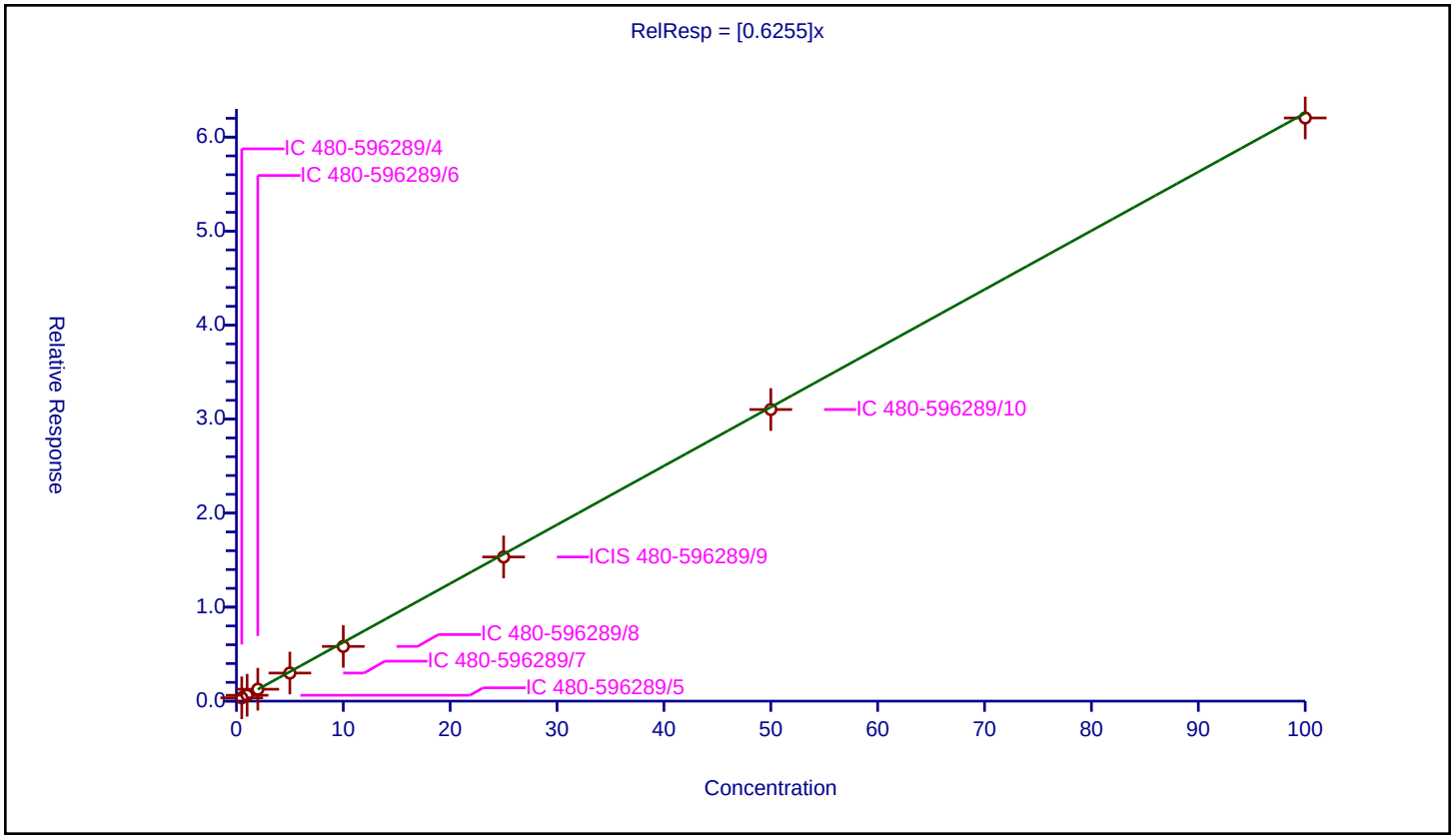
Curve Coefficients

Intercept:	0
Slope:	0.6255

Error Coefficients

Standard Error:	384000
Relative Standard Error:	6.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.355181	25.0	352919.0	0.710361	Y
2	IC 480-596289/5	1.0	0.625334	25.0	339179.0	0.625334	Y
3	IC 480-596289/6	2.0	1.26901	25.0	318378.0	0.634505	Y
4	IC 480-596289/7	5.0	2.988218	25.0	323303.0	0.597644	Y
5	IC 480-596289/8	10.0	5.819772	25.0	338411.0	0.581977	Y
6	ICIS 480-596289/9	25.0	15.335359	25.0	348761.0	0.613414	Y
7	IC 480-596289/10	50.0	31.023088	25.0	359749.0	0.620462	Y
8	IC 480-596289/11	100.0	62.037451	25.0	355314.0	0.620375	Y



Calibration / Tetrachloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

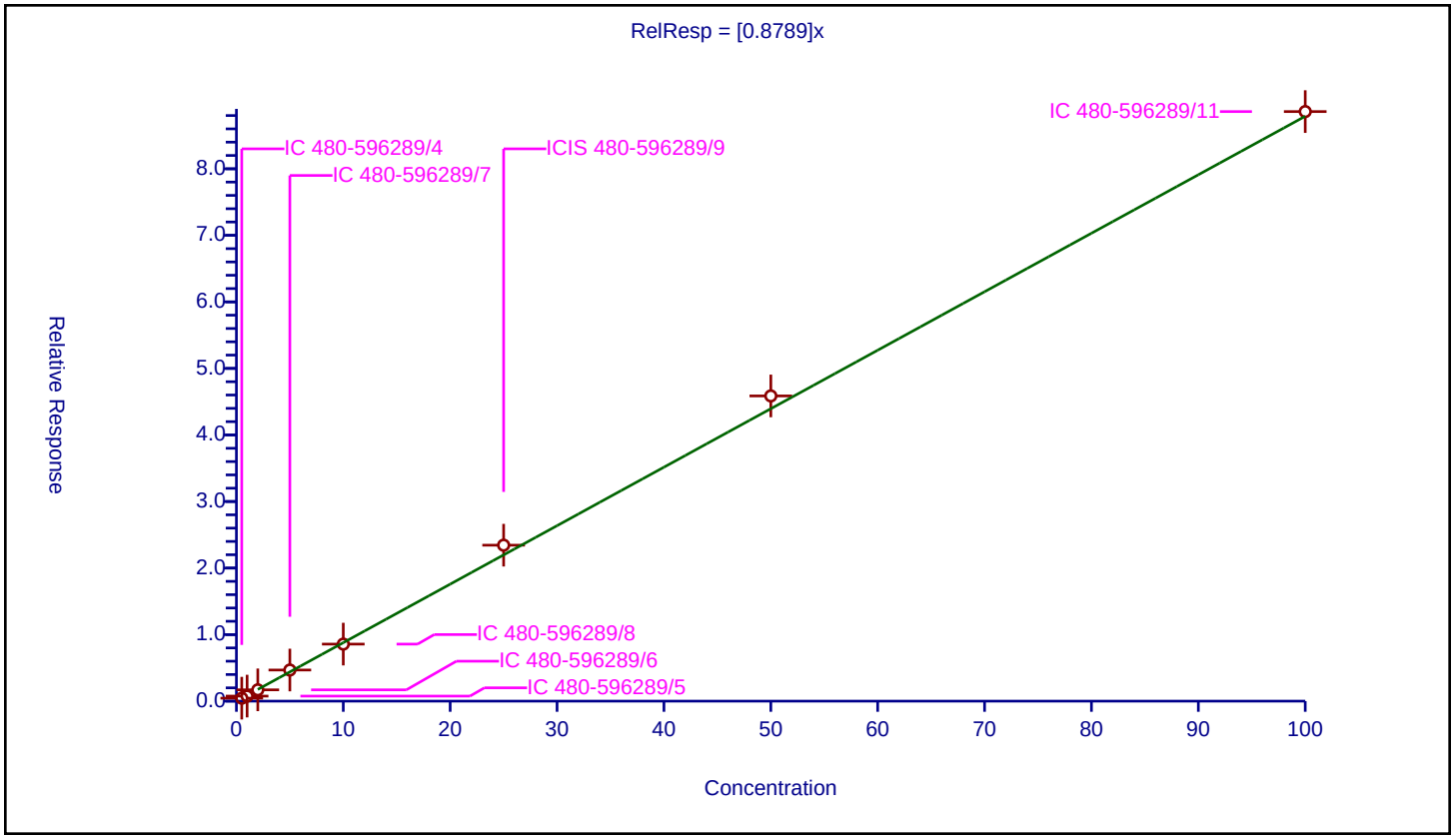
Curve Coefficients

Intercept:	0
Slope:	0.8789

Error Coefficients

Standard Error:	554000
Relative Standard Error:	6.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.444436	25.0	352919.0	0.888873	Y
2	IC 480-596289/5	1.0	0.759923	25.0	339179.0	0.759923	Y
3	IC 480-596289/6	2.0	1.698924	25.0	318378.0	0.849462	Y
4	IC 480-596289/7	5.0	4.675413	25.0	323303.0	0.935083	Y
5	IC 480-596289/8	10.0	8.571161	25.0	338411.0	0.857116	Y
6	ICIS 480-596289/9	25.0	23.436107	25.0	348761.0	0.937444	Y
7	IC 480-596289/10	50.0	45.86684	25.0	359749.0	0.917337	Y
8	IC 480-596289/11	100.0	88.59558	25.0	355314.0	0.885956	Y



Calibration / 1,3-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

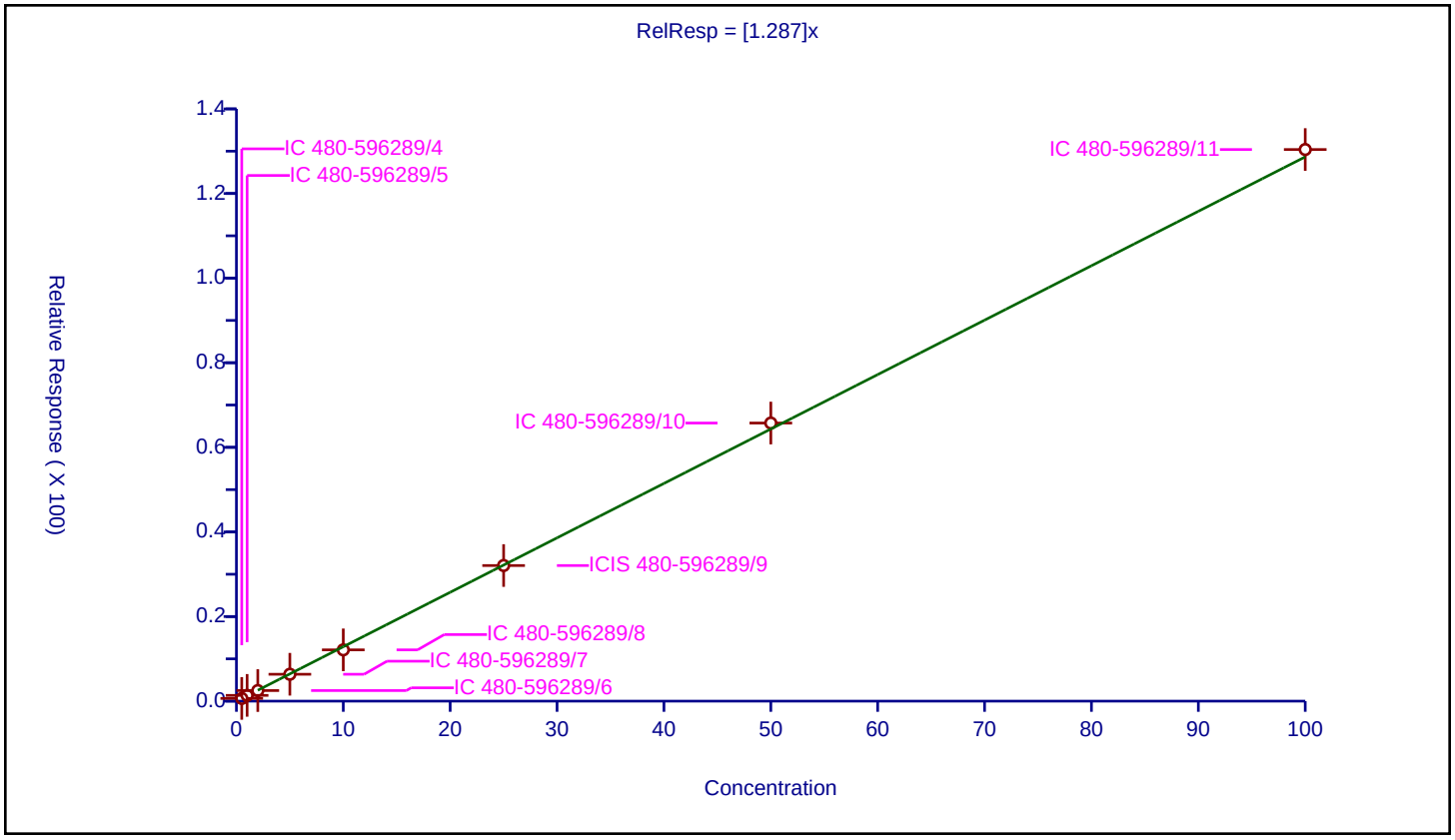
Curve Coefficients

Intercept:	0
Slope:	1.287

Error Coefficients

Standard Error:	807000
Relative Standard Error:	3.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.646891	25.0	352919.0	1.293781	Y
2	IC 480-596289/5	1.0	1.36285	25.0	339179.0	1.36285	Y
3	IC 480-596289/6	2.0	2.502136	25.0	318378.0	1.251068	Y
4	IC 480-596289/7	5.0	6.357194	25.0	323303.0	1.271439	Y
5	IC 480-596289/8	10.0	12.124015	25.0	338411.0	1.212401	Y
6	ICIS 480-596289/9	25.0	32.058487	25.0	348761.0	1.282339	Y
7	IC 480-596289/10	50.0	65.73889	25.0	359749.0	1.314778	Y
8	IC 480-596289/11	100.0	130.391147	25.0	355314.0	1.303911	Y



Calibration / 2-Hexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

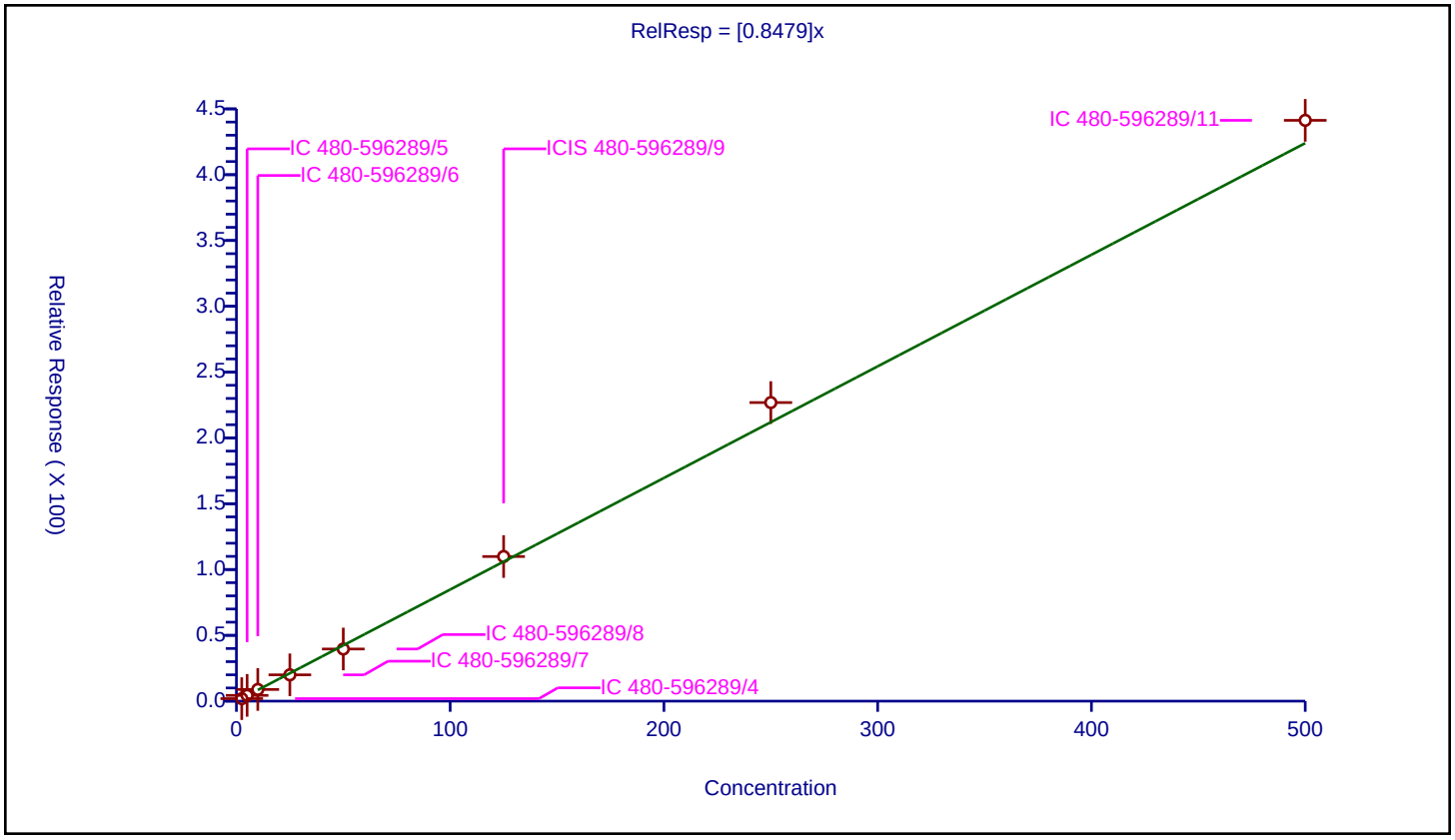
Curve Coefficients

Intercept:	0
Slope:	0.8479

Error Coefficients

Standard Error:	2740000
Relative Standard Error:	6.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	2.5	1.904403	25.0	352919.0	0.761761	Y
2	IC 480-596289/5	5.0	4.373133	25.0	339179.0	0.874627	Y
3	IC 480-596289/6	10.0	8.864384	25.0	318378.0	0.886438	Y
4	IC 480-596289/7	25.0	19.97739	25.0	323303.0	0.799096	Y
5	IC 480-596289/8	50.0	39.612779	25.0	338411.0	0.792256	Y
6	ICIS 480-596289/9	125.0	109.868506	25.0	348761.0	0.878948	Y
7	IC 480-596289/10	250.0	226.860533	25.0	359749.0	0.907442	Y
8	IC 480-596289/11	500.0	441.301075	25.0	355314.0	0.882602	Y



Calibration / Chlorodibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

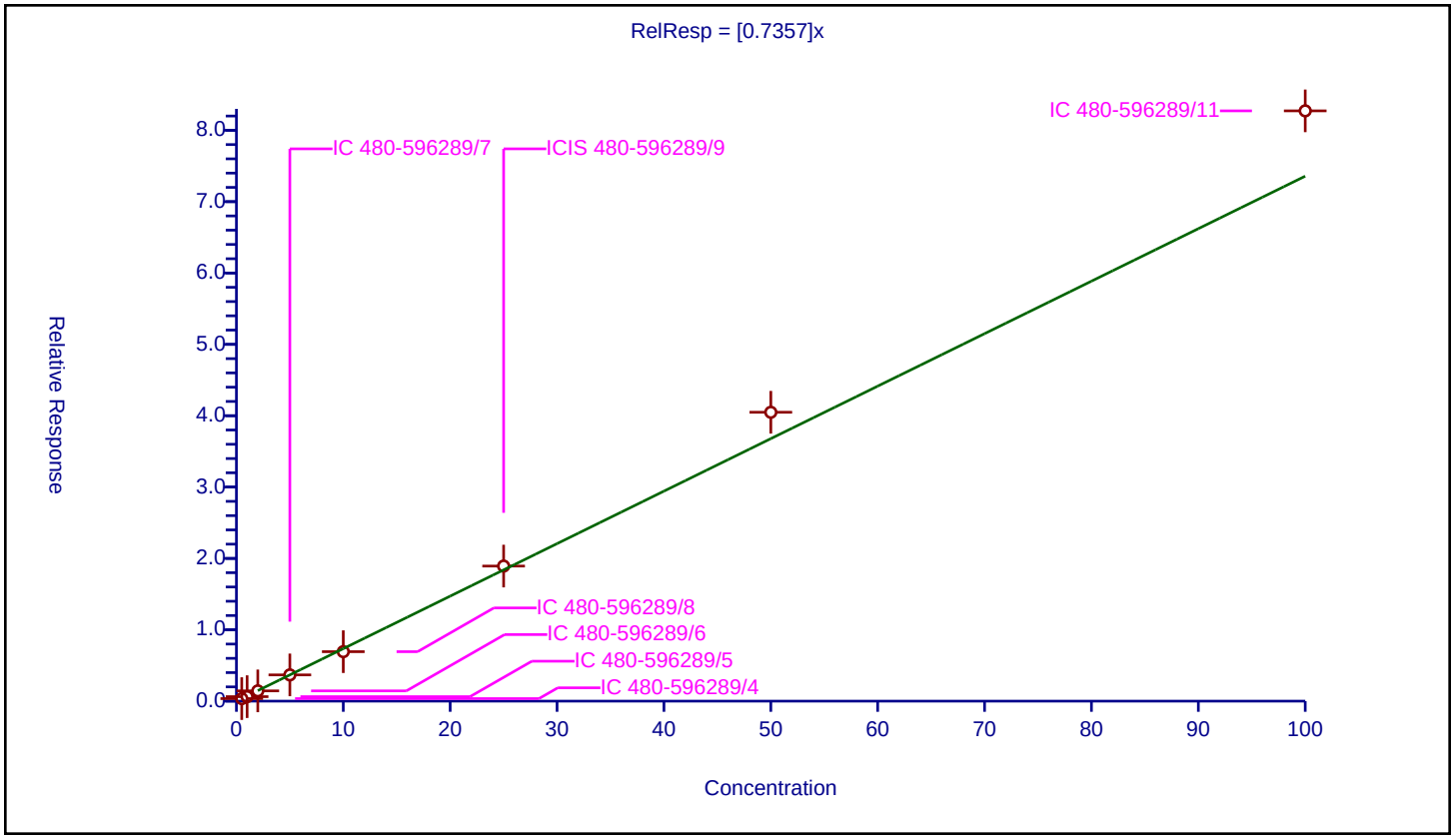
Curve Coefficients

Intercept:	0
Slope:	0.7357

Error Coefficients

Standard Error:	507000
Relative Standard Error:	8.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.356739	25.0	352919.0	0.713478	Y
2	IC 480-596289/5	1.0	0.630346	25.0	339179.0	0.630346	Y
3	IC 480-596289/6	2.0	1.437128	25.0	318378.0	0.718564	Y
4	IC 480-596289/7	5.0	3.678593	25.0	323303.0	0.735719	Y
5	IC 480-596289/8	10.0	6.934393	25.0	338411.0	0.693439	Y
6	ICIS 480-596289/9	25.0	18.928794	25.0	348761.0	0.757152	Y
7	IC 480-596289/10	50.0	40.483782	25.0	359749.0	0.809676	Y
8	IC 480-596289/11	100.0	82.72345	25.0	355314.0	0.827235	Y



Calibration / Ethylene Dibromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

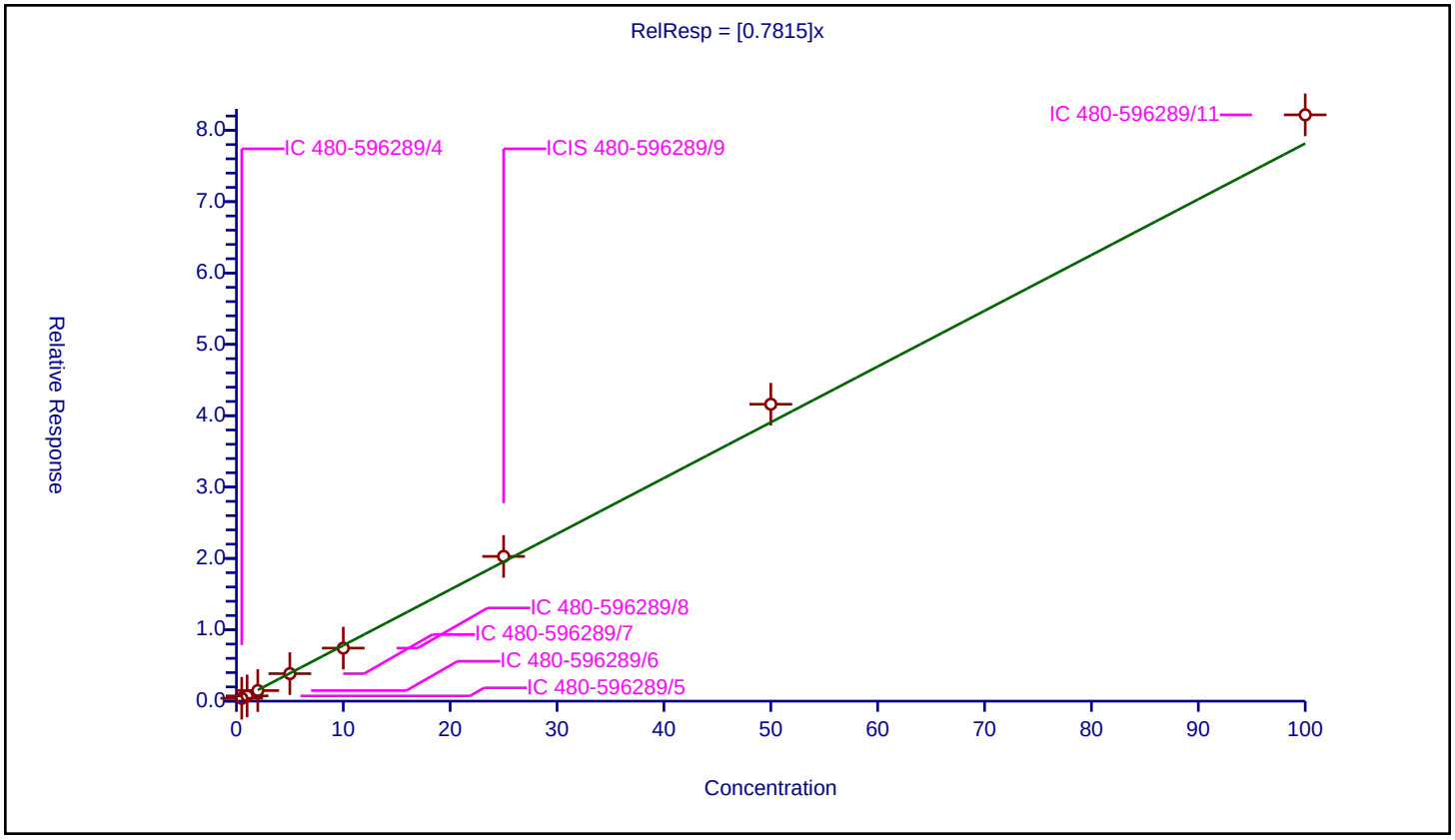
Curve Coefficients

Intercept:	0
Slope:	0.7815

Error Coefficients

Standard Error:	509000
Relative Standard Error:	5.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.398817	25.0	352919.0	0.797633	Y
2	IC 480-596289/5	1.0	0.732504	25.0	339179.0	0.732504	Y
3	IC 480-596289/6	2.0	1.485263	25.0	318378.0	0.742631	Y
4	IC 480-596289/7	5.0	3.853274	25.0	323303.0	0.770655	Y
5	IC 480-596289/8	10.0	7.432678	25.0	338411.0	0.743268	Y
6	ICIS 480-596289/9	25.0	20.286099	25.0	348761.0	0.811444	Y
7	IC 480-596289/10	50.0	41.614431	25.0	359749.0	0.832289	Y
8	IC 480-596289/11	100.0	82.163804	25.0	355314.0	0.821638	Y



Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

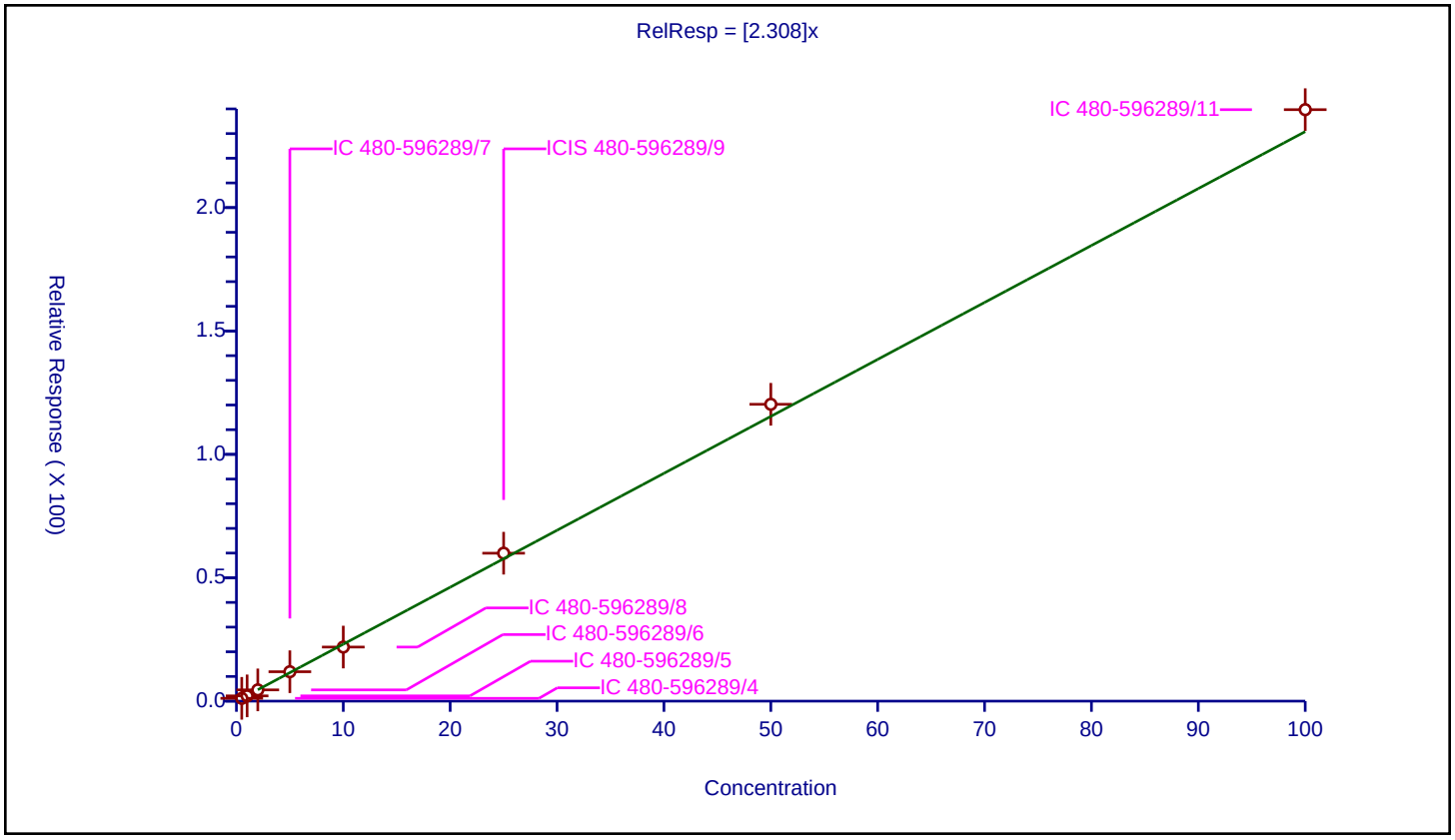
Curve Coefficients

Intercept:	0
Slope:	2.308

Error Coefficients

Standard Error:	1480000
Relative Standard Error:	4.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	1.138292	25.0	352919.0	2.276585	Y
2	IC 480-596289/5	1.0	2.131102	25.0	339179.0	2.131102	Y
3	IC 480-596289/6	2.0	4.559203	25.0	318378.0	2.279602	Y
4	IC 480-596289/7	5.0	11.920242	25.0	323303.0	2.384048	Y
5	IC 480-596289/8	10.0	21.915363	25.0	338411.0	2.191536	Y
6	ICIS 480-596289/9	25.0	59.952589	25.0	348761.0	2.398104	Y
7	IC 480-596289/10	50.0	120.298319	25.0	359749.0	2.405966	Y
8	IC 480-596289/11	100.0	239.685743	25.0	355314.0	2.396857	Y



Calibration / Ethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

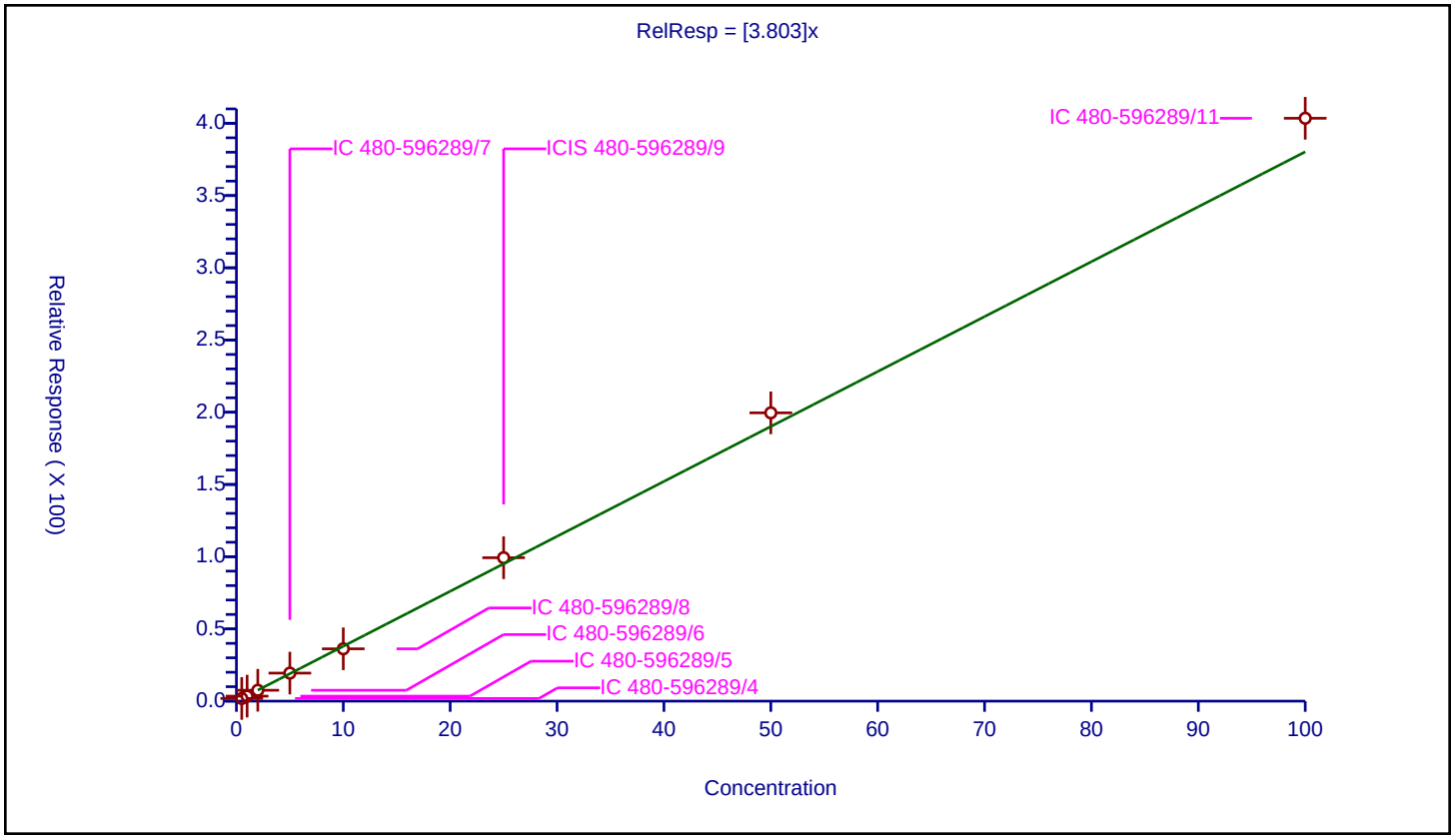
Curve Coefficients

Intercept:	0
Slope:	3.803

Error Coefficients

Standard Error:	2490000
Relative Standard Error:	5.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	1.852337	25.0	352919.0	3.704674	Y
2	IC 480-596289/5	1.0	3.453265	25.0	339179.0	3.453265	Y
3	IC 480-596289/6	2.0	7.528551	25.0	318378.0	3.764275	Y
4	IC 480-596289/7	5.0	19.397129	25.0	323303.0	3.879426	Y
5	IC 480-596289/8	10.0	36.223039	25.0	338411.0	3.622304	Y
6	ICIS 480-596289/9	25.0	99.289055	25.0	348761.0	3.971562	Y
7	IC 480-596289/10	50.0	199.589366	25.0	359749.0	3.991787	Y
8	IC 480-596289/11	100.0	403.505421	25.0	355314.0	4.035054	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

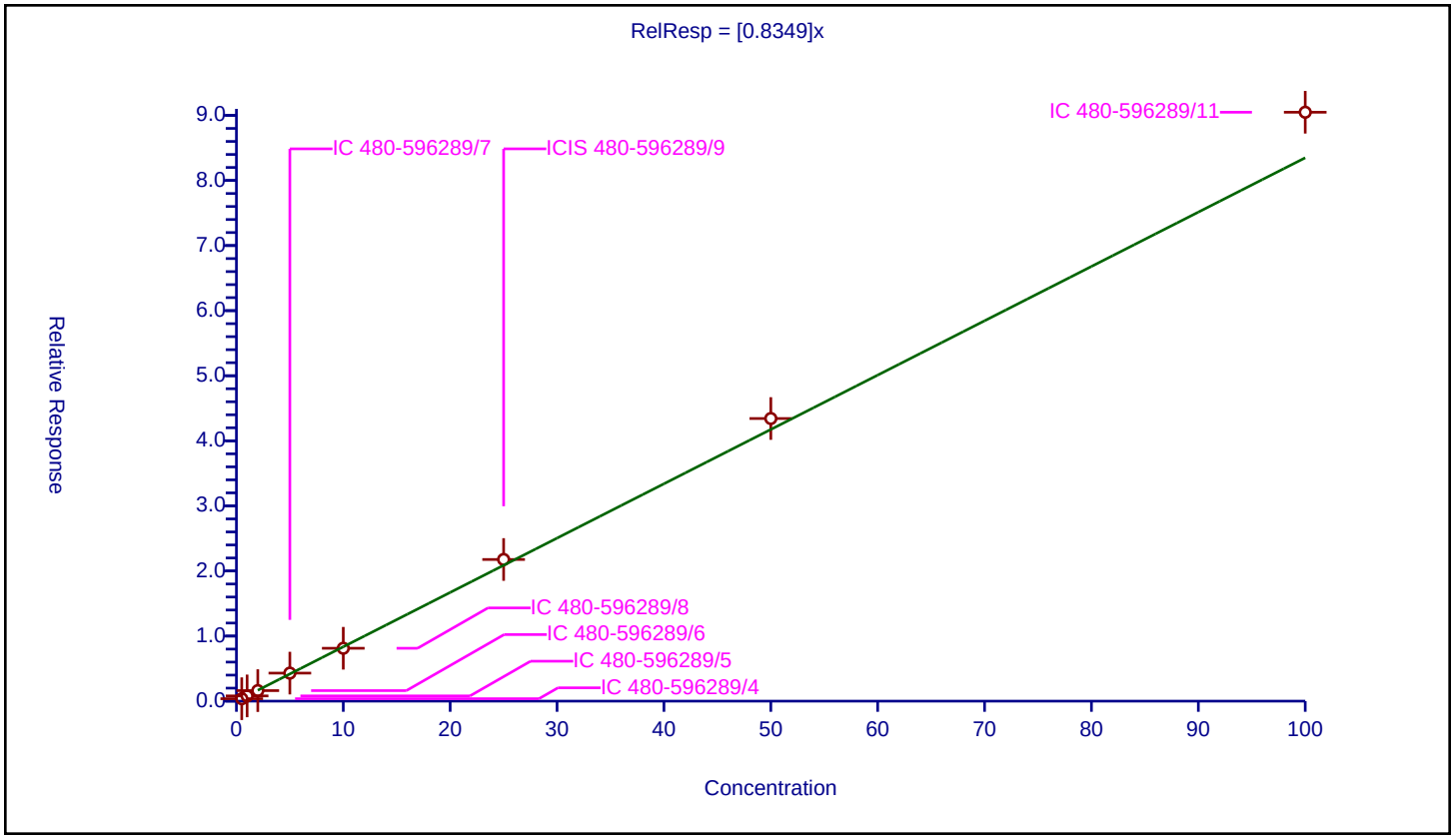
Curve Coefficients

Intercept:	0
Slope:	0.8349

Error Coefficients

Standard Error:	554000
Relative Standard Error:	6.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.374732	25.0	352919.0	0.749464	Y
2	IC 480-596289/5	1.0	0.803189	25.0	339179.0	0.803189	Y
3	IC 480-596289/6	2.0	1.617024	25.0	318378.0	0.808512	Y
4	IC 480-596289/7	5.0	4.306873	25.0	323303.0	0.861375	Y
5	IC 480-596289/8	10.0	8.125253	25.0	338411.0	0.812525	Y
6	ICIS 480-596289/9	25.0	21.765192	25.0	348761.0	0.870608	Y
7	IC 480-596289/10	50.0	43.42618	25.0	359749.0	0.868524	Y
8	IC 480-596289/11	100.0	90.484262	25.0	355314.0	0.904843	Y



Calibration / m-Xylene & p-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

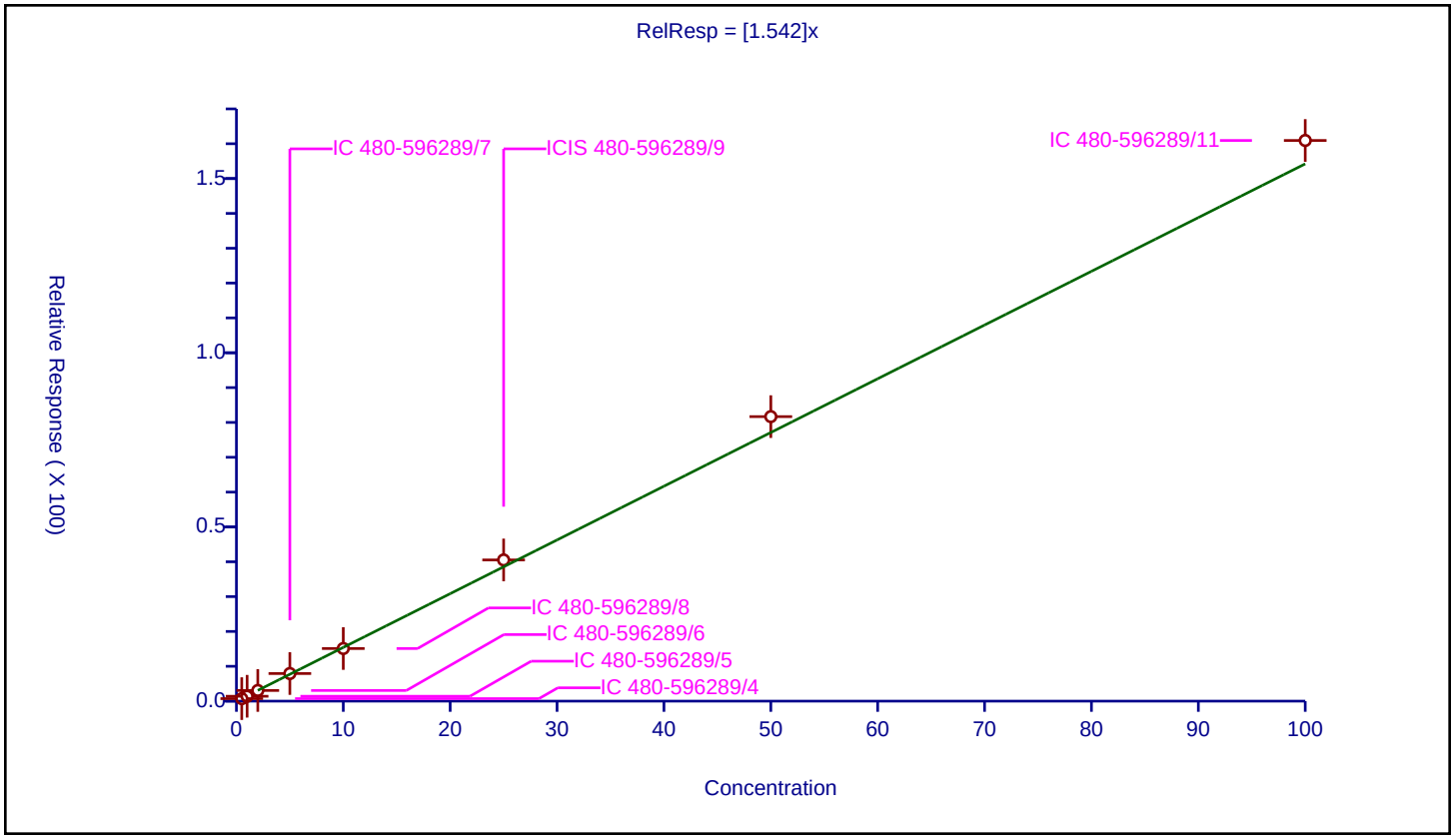
Curve Coefficients

Intercept:	0
Slope:	1.542

Error Coefficients

Standard Error:	999000
Relative Standard Error:	5.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.721979	25.0	352919.0	1.443957	Y
2	IC 480-596289/5	1.0	1.404863	25.0	339179.0	1.404863	Y
3	IC 480-596289/6	2.0	3.059178	25.0	318378.0	1.529589	Y
4	IC 480-596289/7	5.0	7.924609	25.0	323303.0	1.584922	Y
5	IC 480-596289/8	10.0	15.106335	25.0	338411.0	1.510634	Y
6	ICIS 480-596289/9	25.0	40.531983	25.0	348761.0	1.621279	Y
7	IC 480-596289/10	50.0	81.668469	25.0	359749.0	1.633369	Y
8	IC 480-596289/11	100.0	160.930965	25.0	355314.0	1.60931	Y



Calibration / o-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

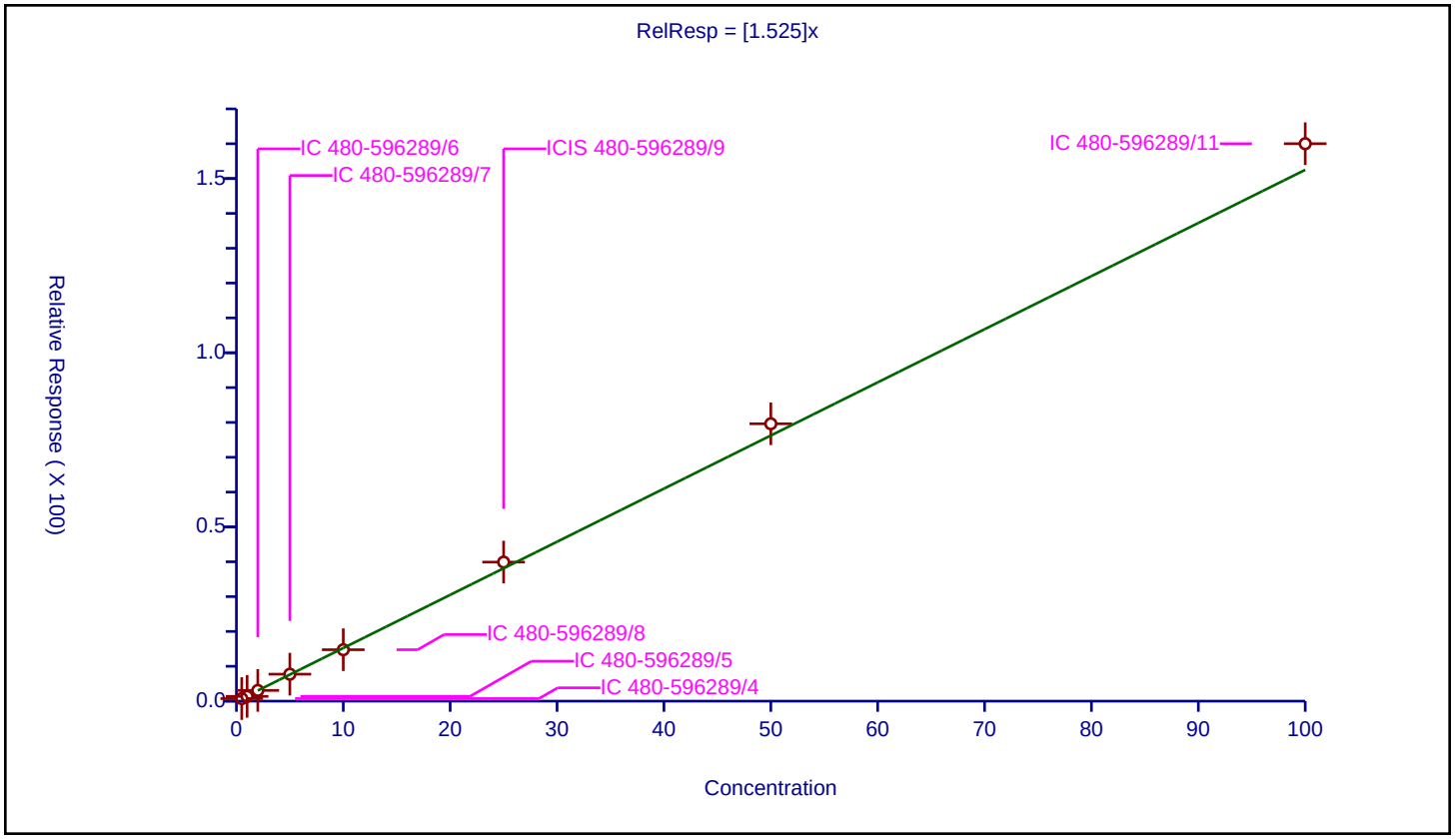
Curve Coefficients

Intercept:	0
Slope:	1.525

Error Coefficients

Standard Error:	989000
Relative Standard Error:	5.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.739688	25.0	352919.0	1.479376	Y
2	IC 480-596289/5	1.0	1.368894	25.0	339179.0	1.368894	Y
3	IC 480-596289/6	2.0	3.076689	25.0	318378.0	1.538344	Y
4	IC 480-596289/7	5.0	7.742273	25.0	323303.0	1.548455	Y
5	IC 480-596289/8	10.0	14.758386	25.0	338411.0	1.475839	Y
6	ICIS 480-596289/9	25.0	39.912648	25.0	348761.0	1.596506	Y
7	IC 480-596289/10	50.0	79.617456	25.0	359749.0	1.592349	Y
8	IC 480-596289/11	100.0	160.006923	25.0	355314.0	1.600069	Y



Calibration / Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

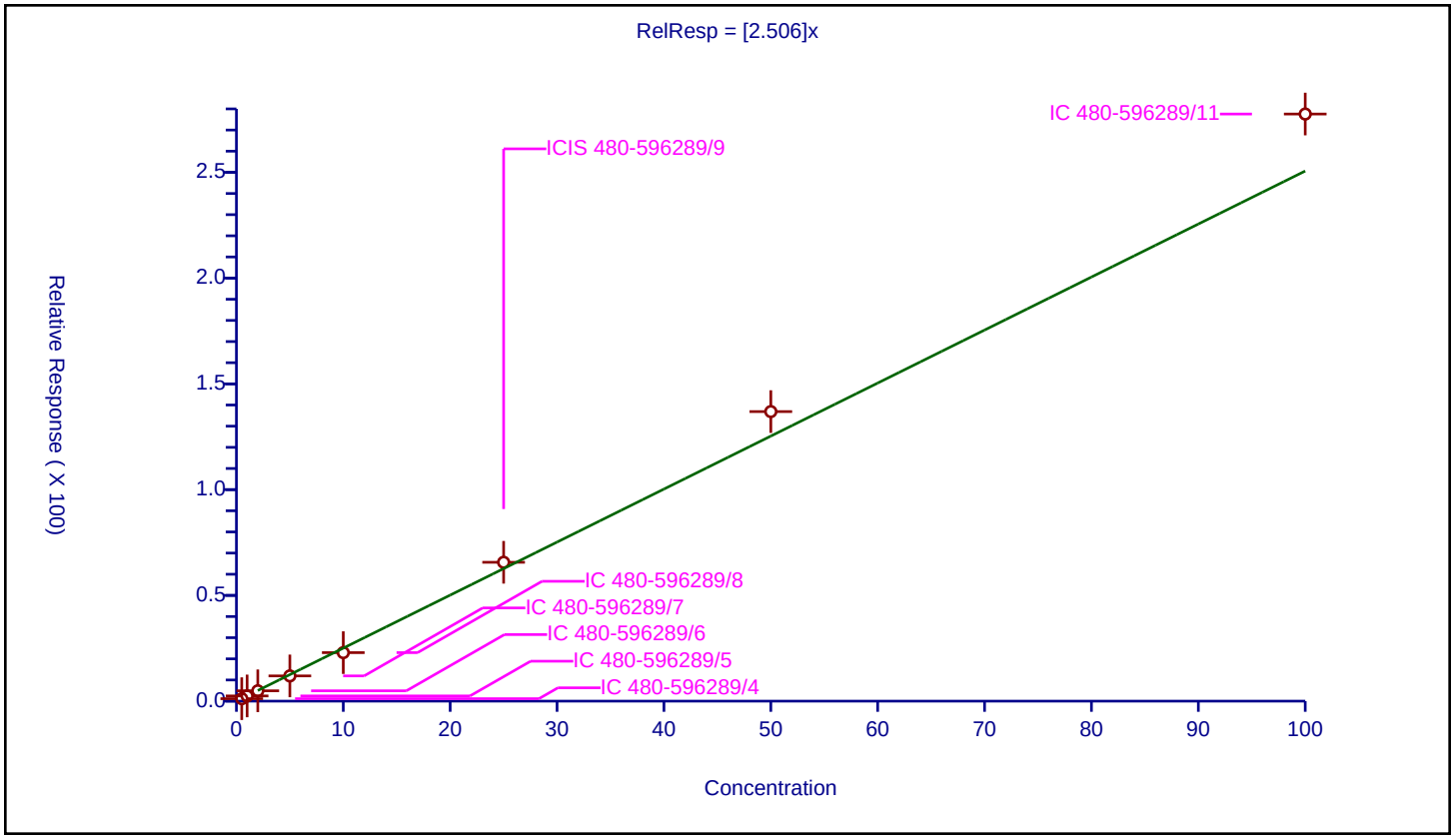
Curve Coefficients

Intercept:	0
Slope:	2.506

Error Coefficients

Standard Error:	1710000
Relative Standard Error:	7.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	1.165919	25.0	352919.0	2.331838	Y
2	IC 480-596289/5	1.0	2.456667	25.0	339179.0	2.456667	Y
3	IC 480-596289/6	2.0	4.886723	25.0	318378.0	2.443361	Y
4	IC 480-596289/7	5.0	11.929753	25.0	323303.0	2.385951	Y
5	IC 480-596289/8	10.0	22.931214	25.0	338411.0	2.293121	Y
6	ICIS 480-596289/9	25.0	65.642517	25.0	348761.0	2.625701	Y
7	IC 480-596289/10	50.0	136.890513	25.0	359749.0	2.73781	Y
8	IC 480-596289/11	100.0	277.572302	25.0	355314.0	2.775723	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

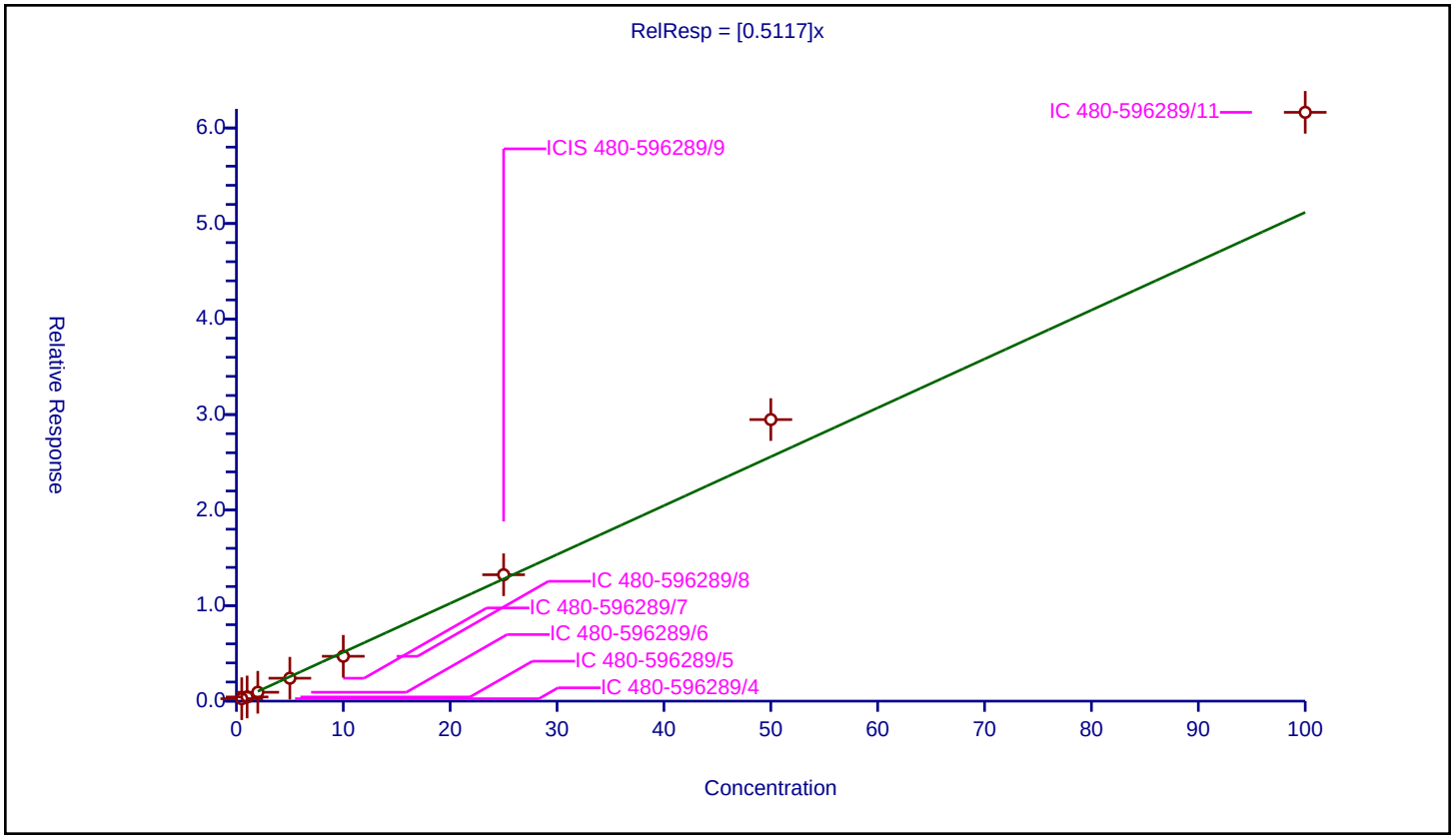
Curve Coefficients

Intercept:	0
Slope:	0.5117

Error Coefficients

Standard Error:	375000
Relative Standard Error:	12.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.254449	25.0	352919.0	0.508899	Y
2	IC 480-596289/5	1.0	0.435463	25.0	339179.0	0.435463	Y
3	IC 480-596289/6	2.0	0.929398	25.0	318378.0	0.464699	Y
4	IC 480-596289/7	5.0	2.398756	25.0	323303.0	0.479751	Y
5	IC 480-596289/8	10.0	4.696065	25.0	338411.0	0.469606	Y
6	ICIS 480-596289/9	25.0	13.231984	25.0	348761.0	0.529279	Y
7	IC 480-596289/10	50.0	29.475273	25.0	359749.0	0.589505	Y
8	IC 480-596289/11	100.0	61.639845	25.0	355314.0	0.616398	Y



Calibration / Isopropylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

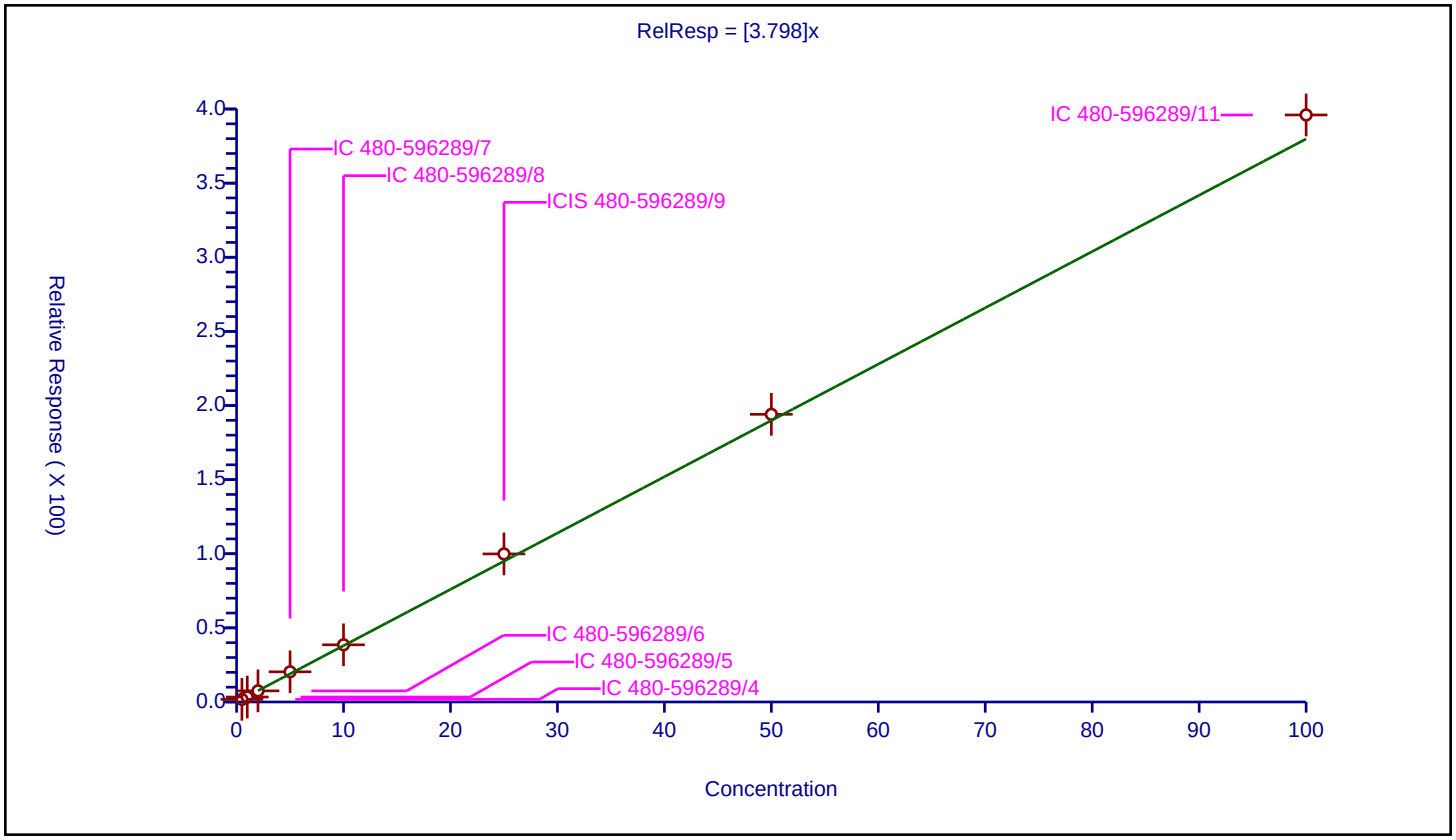
Curve Coefficients

Intercept:	0
Slope:	3.798

Error Coefficients

Standard Error:	2630000
Relative Standard Error:	6.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	1.764071	25.0	357993.0	3.528142	Y
2	IC 480-596289/5	1.0	3.350221	25.0	344522.0	3.350221	Y
3	IC 480-596289/6	2.0	7.483802	25.0	339540.0	3.741901	Y
4	IC 480-596289/7	5.0	20.359243	25.0	335010.0	4.071849	Y
5	IC 480-596289/8	10.0	38.572608	25.0	342681.0	3.857261	Y
6	ICIS 480-596289/9	25.0	99.872177	25.0	371999.0	3.994887	Y
7	IC 480-596289/10	50.0	194.056407	25.0	390555.0	3.881128	Y
8	IC 480-596289/11	100.0	395.994677	25.0	382285.0	3.959947	Y



Calibration / 4-Bromofluorobenzene (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

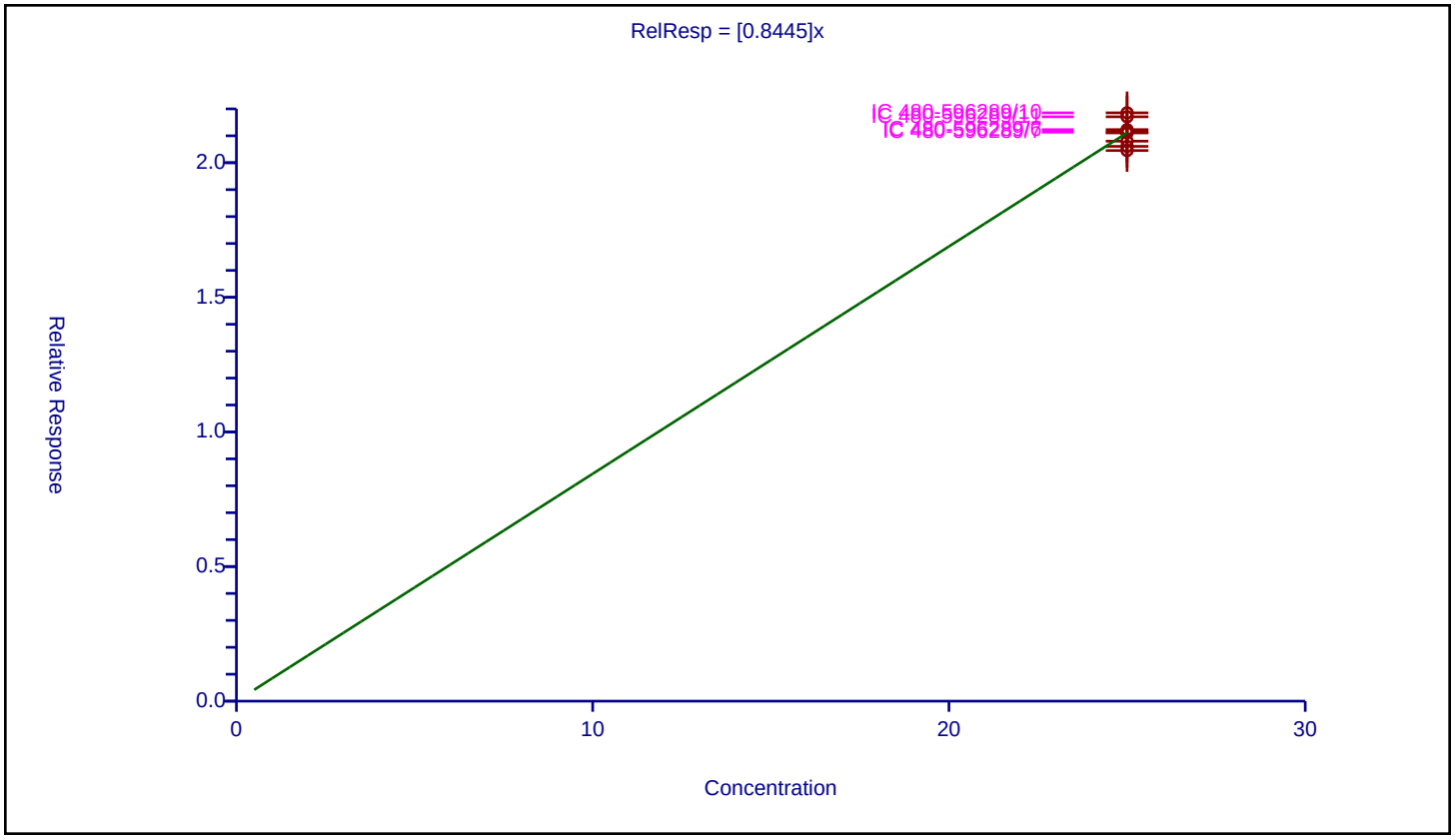
Curve Coefficients

Intercept:	0
Slope:	0.8445

Error Coefficients

Standard Error:	309000
Relative Standard Error:	2.3
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	25.0	20.608341	25.0	352919.0	0.824334	Y
2	IC 480-596289/5	25.0	20.801185	25.0	339179.0	0.832047	Y
3	IC 480-596289/6	25.0	21.230346	25.0	318378.0	0.849214	Y
4	IC 480-596289/7	25.0	21.134895	25.0	323303.0	0.845396	Y
5	IC 480-596289/8	25.0	20.452645	25.0	338411.0	0.818106	Y
6	ICIS 480-596289/9	25.0	21.107506	25.0	348761.0	0.8443	Y
7	IC 480-596289/10	25.0	21.853779	25.0	359749.0	0.874151	Y
8	IC 480-596289/11	25.0	21.706083	25.0	355314.0	0.868243	Y



Calibration / Bromobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

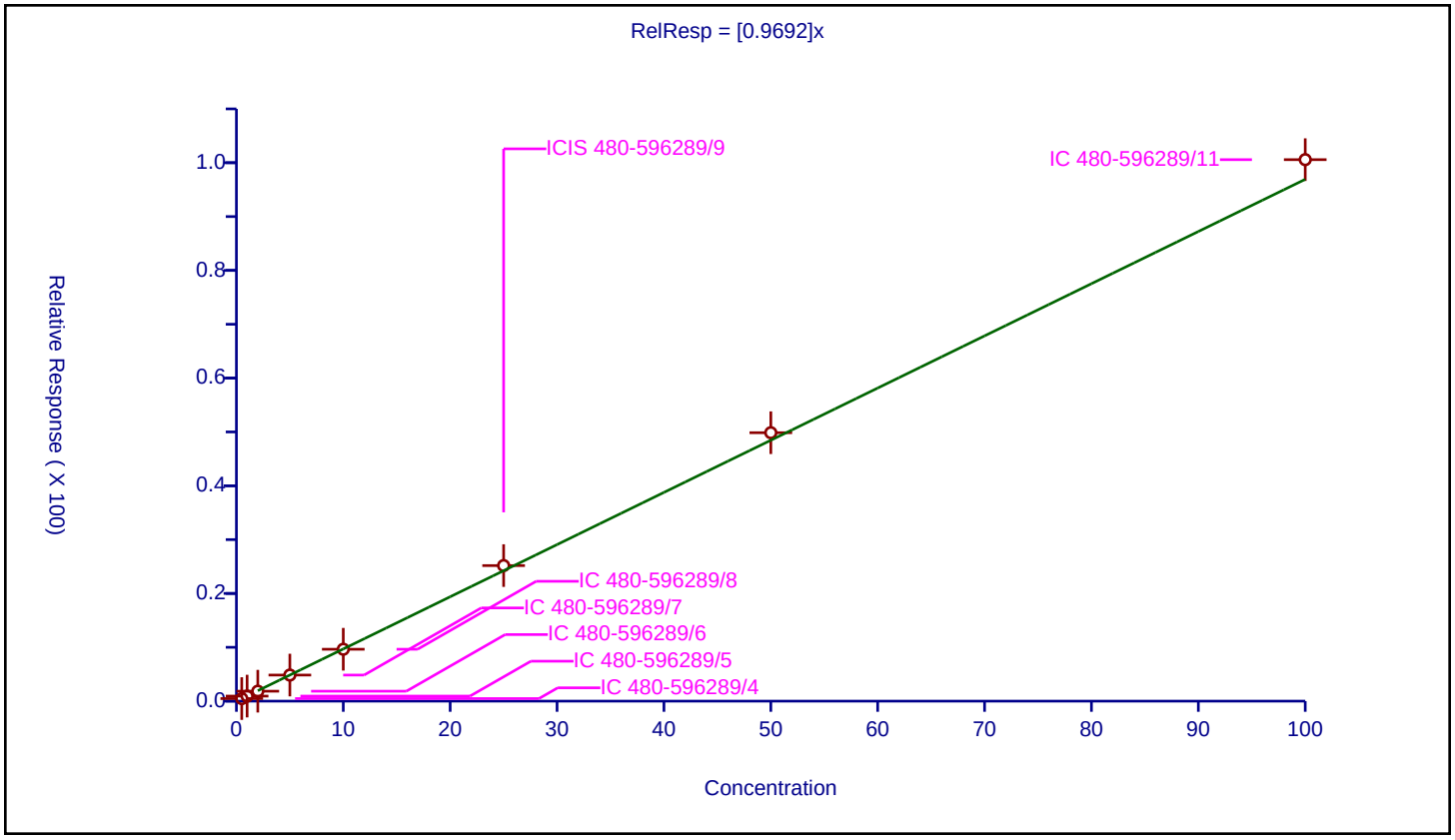
Curve Coefficients

Intercept:	0
Slope:	0.9692

Error Coefficients

Standard Error:	669000
Relative Standard Error:	3.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.476057	25.0	357993.0	0.952114	Y
2	IC 480-596289/5	1.0	0.935644	25.0	344522.0	0.935644	Y
3	IC 480-596289/6	2.0	1.845953	25.0	339540.0	0.922977	Y
4	IC 480-596289/7	5.0	4.844408	25.0	335010.0	0.968882	Y
5	IC 480-596289/8	10.0	9.637462	25.0	342681.0	0.963746	Y
6	ICIS 480-596289/9	25.0	25.176143	25.0	371999.0	1.007046	Y
7	IC 480-596289/10	50.0	49.857831	25.0	390555.0	0.997157	Y
8	IC 480-596289/11	100.0	100.572217	25.0	382285.0	1.005722	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

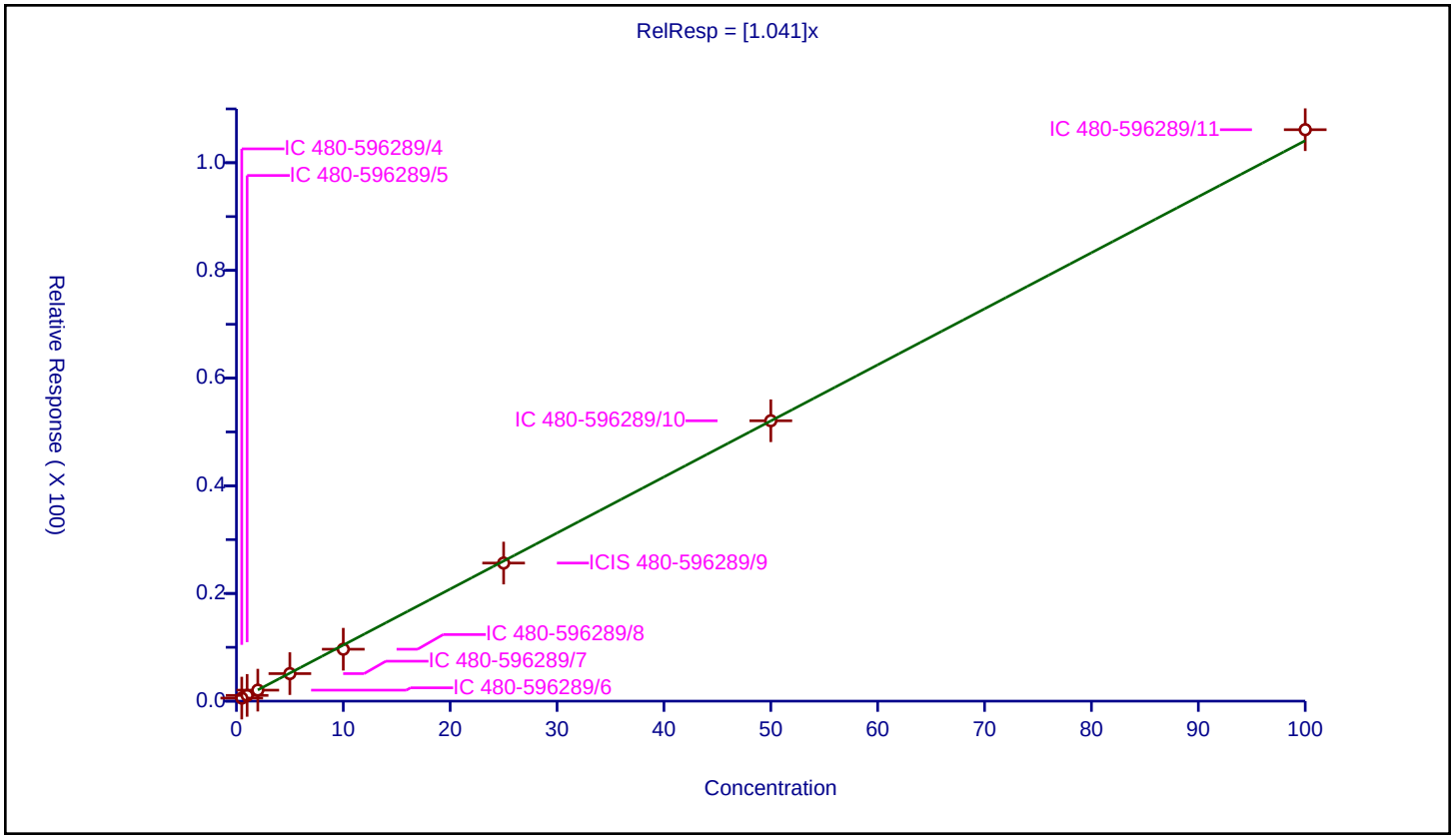
Curve Coefficients

Intercept:	0
Slope:	1.041

Error Coefficients

Standard Error:	704000
Relative Standard Error:	4.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.564606	25.0	357993.0	1.129212	Y
2	IC 480-596289/5	1.0	1.063793	25.0	344522.0	1.063793	Y
3	IC 480-596289/6	2.0	2.039082	25.0	339540.0	1.019541	Y
4	IC 480-596289/7	5.0	5.112235	25.0	335010.0	1.022447	Y
5	IC 480-596289/8	10.0	9.643006	25.0	342681.0	0.964301	Y
6	ICIS 480-596289/9	25.0	25.645365	25.0	371999.0	1.025815	Y
7	IC 480-596289/10	50.0	52.079797	25.0	390555.0	1.041596	Y
8	IC 480-596289/11	100.0	106.137764	25.0	382285.0	1.061378	Y



Calibration / N-Propylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

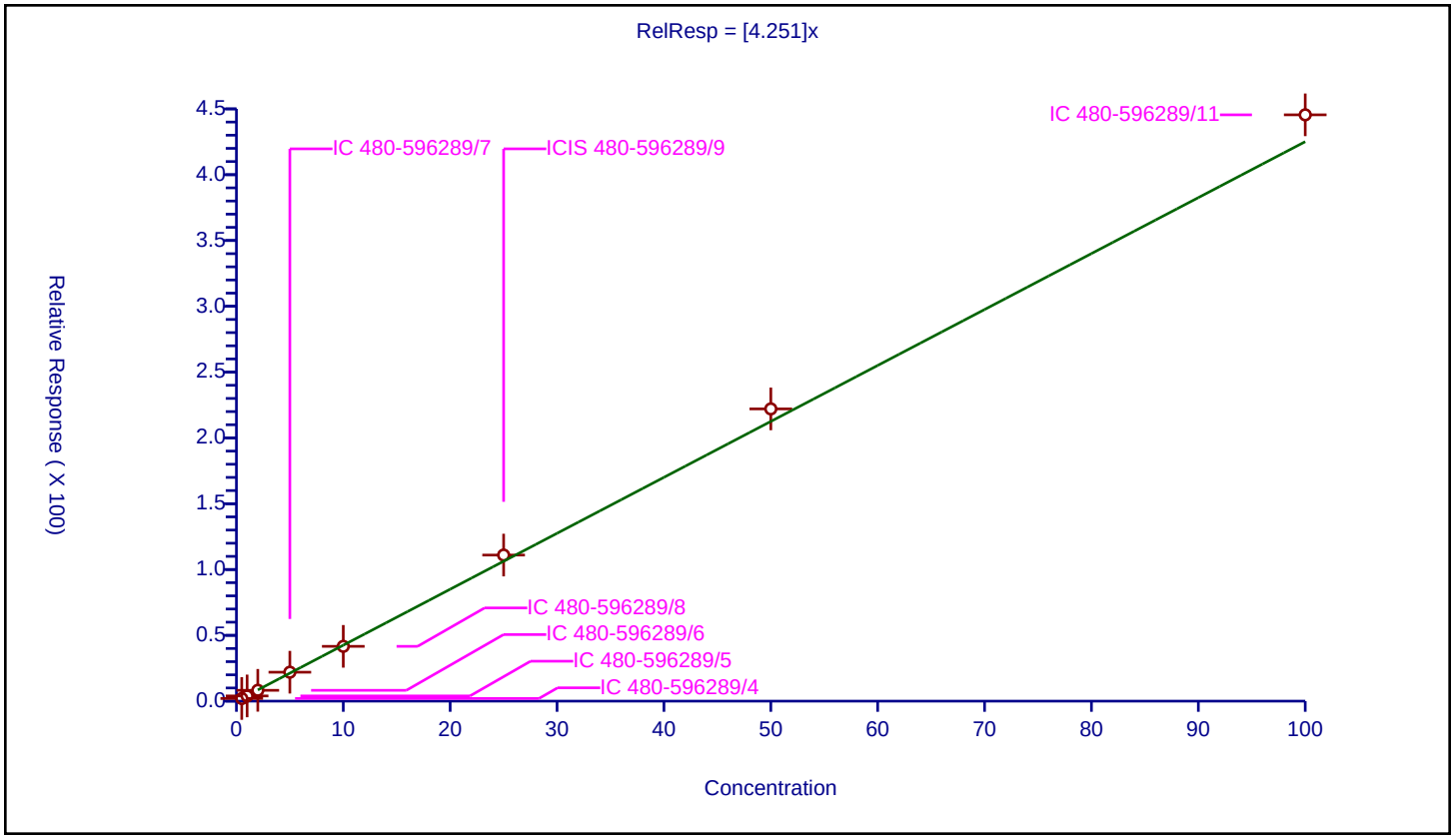
Curve Coefficients

Intercept:	0
Slope:	4.251

Error Coefficients

Standard Error:	2970000
Relative Standard Error:	4.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	2.012609	25.0	357993.0	4.025218	Y
2	IC 480-596289/5	1.0	3.965712	25.0	344522.0	3.965712	Y
3	IC 480-596289/6	2.0	8.236217	25.0	339540.0	4.118108	Y
4	IC 480-596289/7	5.0	21.994194	25.0	335010.0	4.398839	Y
5	IC 480-596289/8	10.0	41.634859	25.0	342681.0	4.163486	Y
6	ICIS 480-596289/9	25.0	110.985177	25.0	371999.0	4.439407	Y
7	IC 480-596289/10	50.0	222.060017	25.0	390555.0	4.4412	Y
8	IC 480-596289/11	100.0	445.48112	25.0	382285.0	4.454811	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

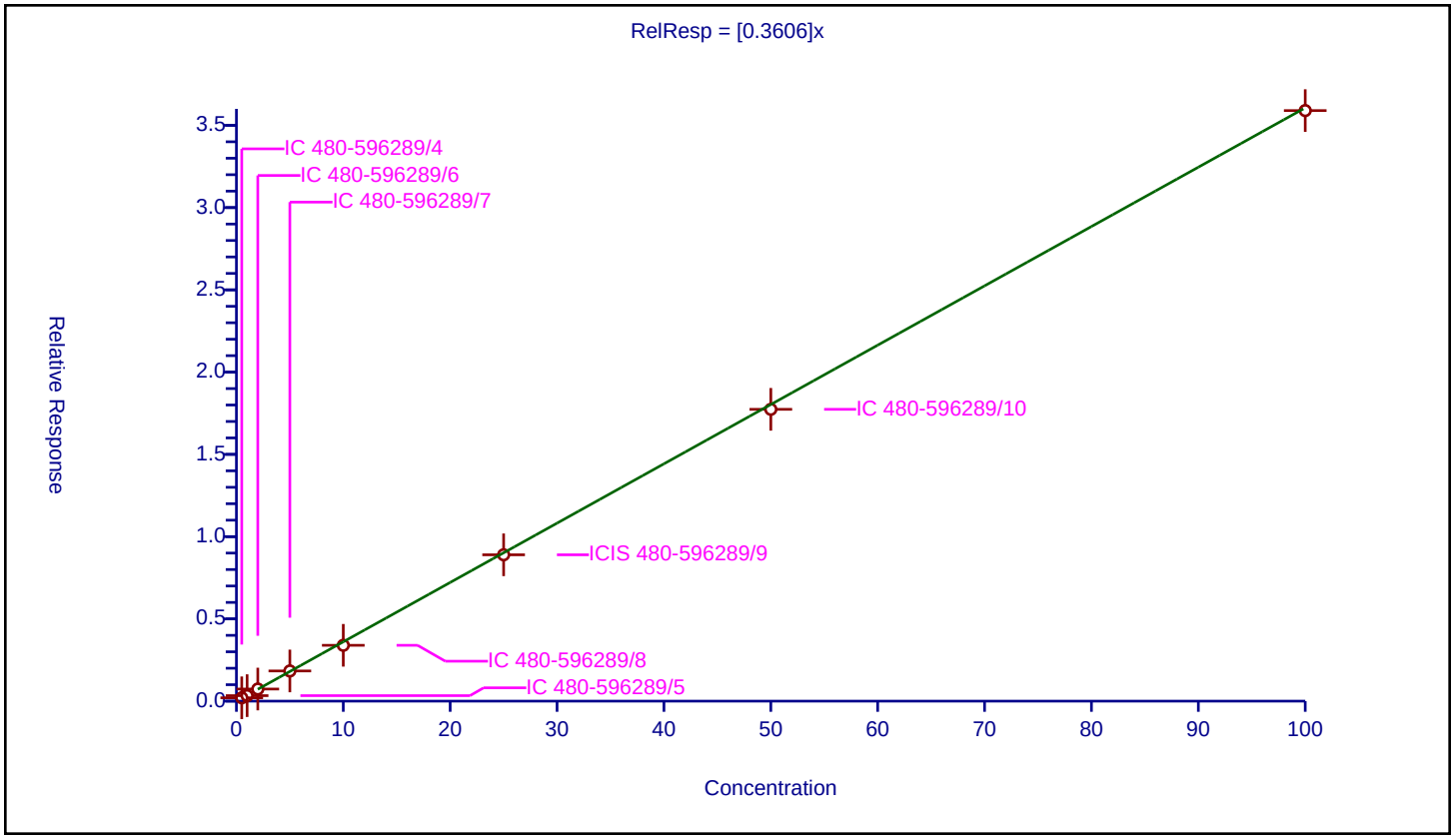
Curve Coefficients

Intercept:	0
Slope:	0.3606

Error Coefficients

Standard Error:	239000
Relative Standard Error:	6.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.203356	25.0	357993.0	0.406712	Y
2	IC 480-596289/5	1.0	0.334884	25.0	344522.0	0.334884	Y
3	IC 480-596289/6	2.0	0.735186	25.0	339540.0	0.367593	Y
4	IC 480-596289/7	5.0	1.834647	25.0	335010.0	0.366929	Y
5	IC 480-596289/8	10.0	3.394119	25.0	342681.0	0.339412	Y
6	ICIS 480-596289/9	25.0	8.89532	25.0	371999.0	0.355813	Y
7	IC 480-596289/10	50.0	17.737323	25.0	390555.0	0.354746	Y
8	IC 480-596289/11	100.0	35.895928	25.0	382285.0	0.358959	Y



Calibration / trans-1,4-Dichloro-2-butene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

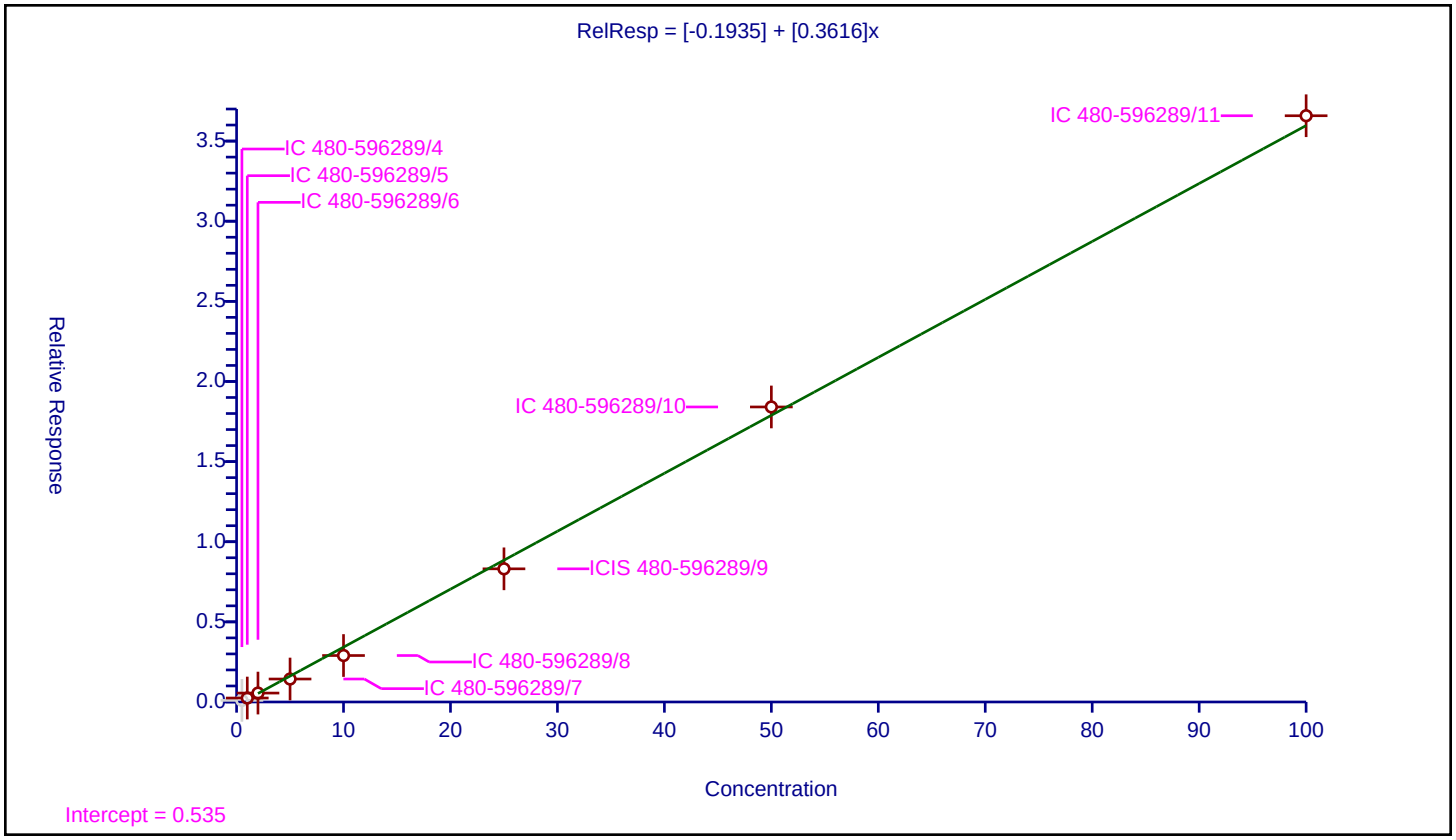
Curve Coefficients

Intercept:	-0.1935
Slope:	0.3616

Error Coefficients

Standard Error:	287000
Relative Standard Error:	13.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.100561	25.0	357993.0	0.201121	N
2	IC 480-596289/5	1.0	0.247735	25.0	344522.0	0.247735	Y
3	IC 480-596289/6	2.0	0.557298	25.0	339540.0	0.278649	Y
4	IC 480-596289/7	5.0	1.433838	25.0	335010.0	0.286768	Y
5	IC 480-596289/8	10.0	2.900146	25.0	342681.0	0.290015	Y
6	ICIS 480-596289/9	25.0	8.308221	25.0	371999.0	0.332329	Y
7	IC 480-596289/10	50.0	18.408803	25.0	390555.0	0.368176	Y
8	IC 480-596289/11	100.0	36.581346	25.0	382285.0	0.365813	Y



Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

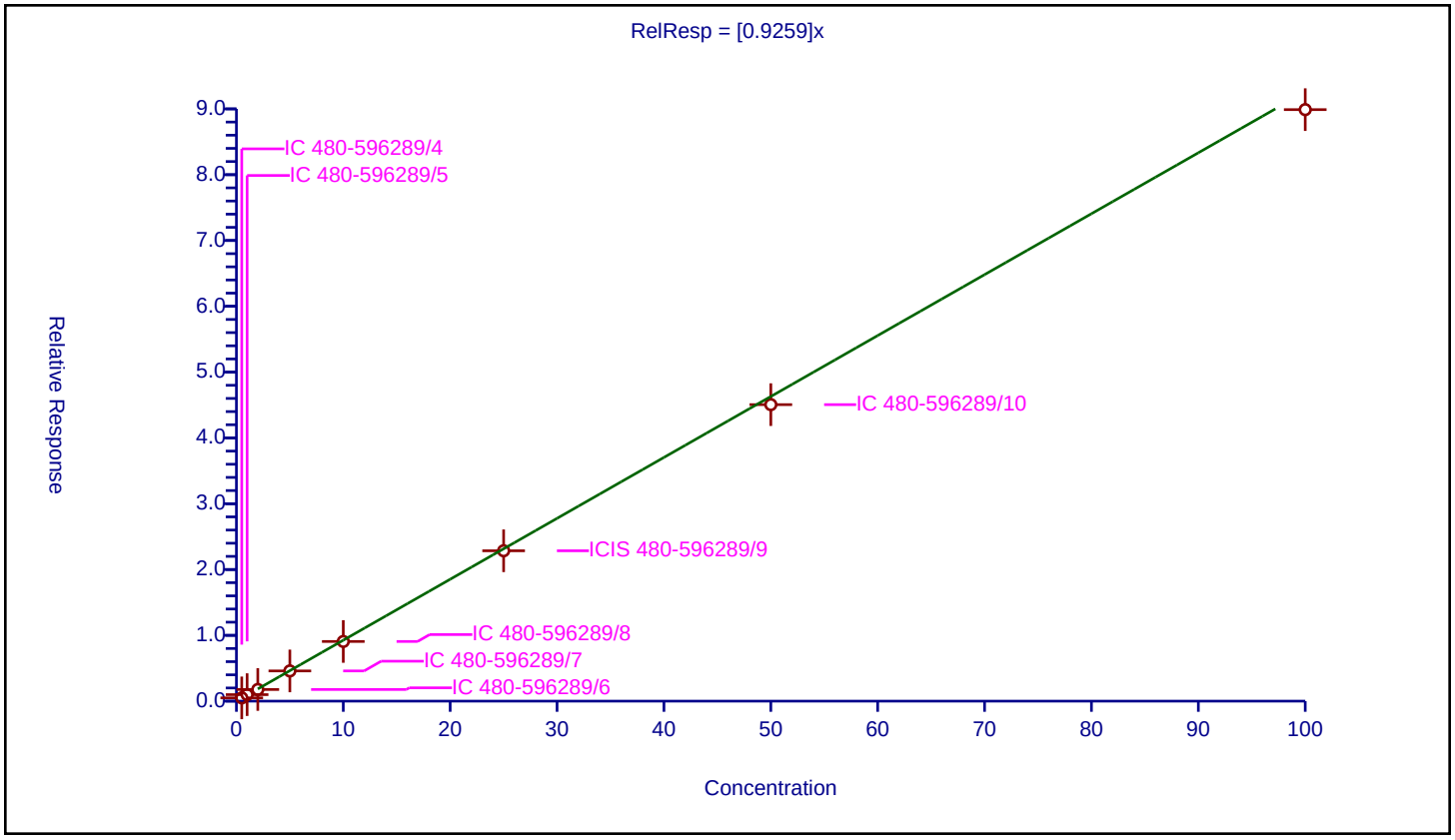
Curve Coefficients

Intercept:	0
Slope:	0.9259

Error Coefficients

Standard Error:	600000
Relative Standard Error:	4.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.495959	25.0	357993.0	0.991919	Y
2	IC 480-596289/5	1.0	0.989995	25.0	344522.0	0.989995	Y
3	IC 480-596289/6	2.0	1.772251	25.0	339540.0	0.886125	Y
4	IC 480-596289/7	5.0	4.591729	25.0	335010.0	0.918346	Y
5	IC 480-596289/8	10.0	9.067106	25.0	342681.0	0.906711	Y
6	ICIS 480-596289/9	25.0	22.84865	25.0	371999.0	0.913946	Y
7	IC 480-596289/10	50.0	45.05857	25.0	390555.0	0.901171	Y
8	IC 480-596289/11	100.0	89.886276	25.0	382285.0	0.898863	Y



Calibration / 1,3,5-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

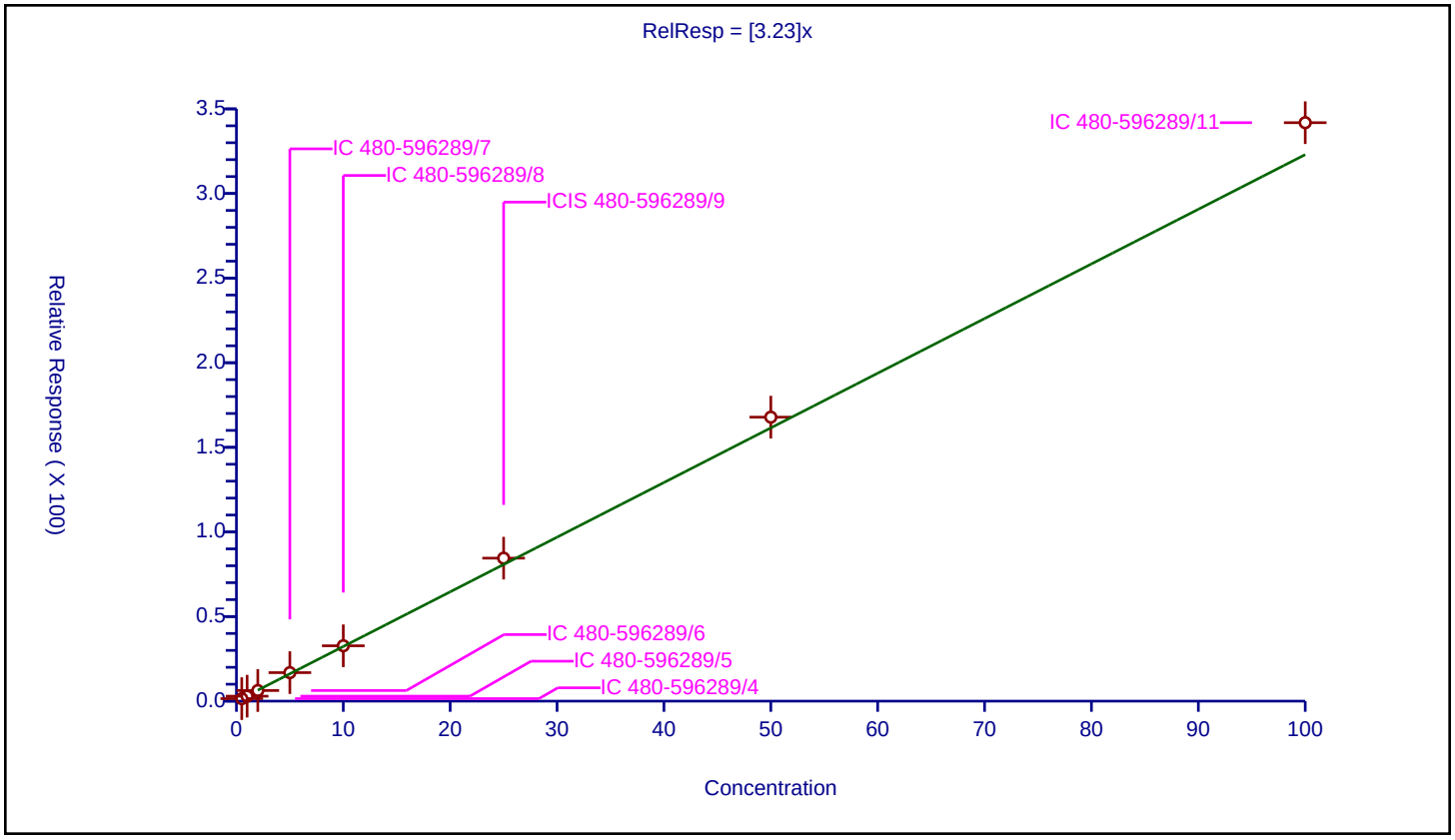
Curve Coefficients

Intercept:	0
Slope:	3.23

Error Coefficients

Standard Error:	2270000
Relative Standard Error:	6.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	1.484317	25.0	357993.0	2.968633	Y
2	IC 480-596289/5	1.0	2.934573	25.0	344522.0	2.934573	Y
3	IC 480-596289/6	2.0	6.275991	25.0	339540.0	3.137996	Y
4	IC 480-596289/7	5.0	16.850616	25.0	335010.0	3.370123	Y
5	IC 480-596289/8	10.0	32.722634	25.0	342681.0	3.272263	Y
6	ICIS 480-596289/9	25.0	84.492969	25.0	371999.0	3.379719	Y
7	IC 480-596289/10	50.0	167.82617	25.0	390555.0	3.356523	Y
8	IC 480-596289/11	100.0	341.841493	25.0	382285.0	3.418415	Y



Calibration / 4-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

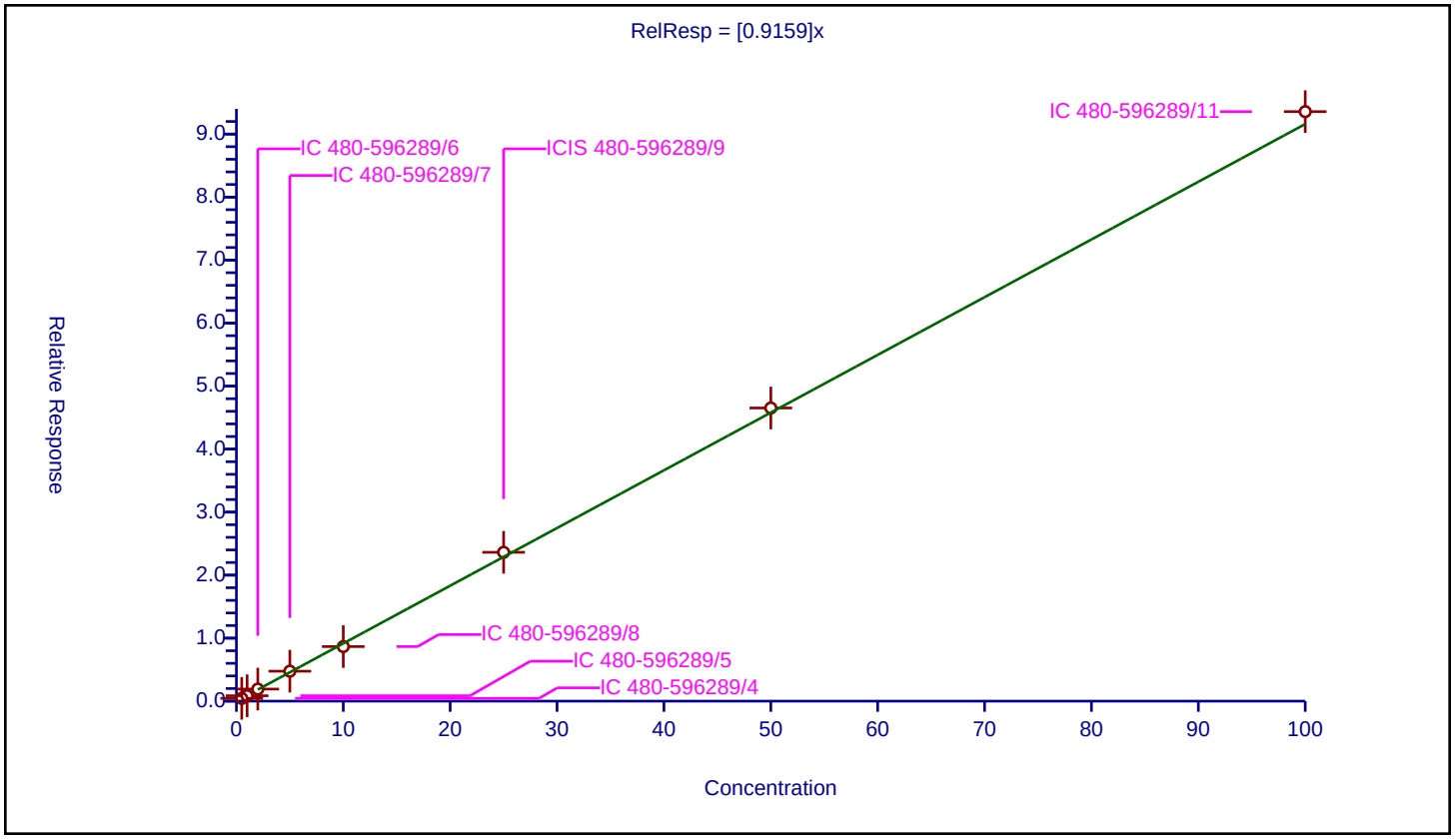
Curve Coefficients

Intercept:	0
Slope:	0.9159

Error Coefficients

Standard Error:	623000
Relative Standard Error:	4.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.443165	25.0	357993.0	0.88633	Y
2	IC 480-596289/5	1.0	0.854735	25.0	344522.0	0.854735	Y
3	IC 480-596289/6	2.0	1.91649	25.0	339540.0	0.958245	Y
4	IC 480-596289/7	5.0	4.755604	25.0	335010.0	0.951121	Y
5	IC 480-596289/8	10.0	8.657687	25.0	342681.0	0.865769	Y
6	ICIS 480-596289/9	25.0	23.622308	25.0	371999.0	0.944892	Y
7	IC 480-596289/10	50.0	46.527762	25.0	390555.0	0.930555	Y
8	IC 480-596289/11	100.0	93.563637	25.0	382285.0	0.935636	Y



Calibration / tert-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

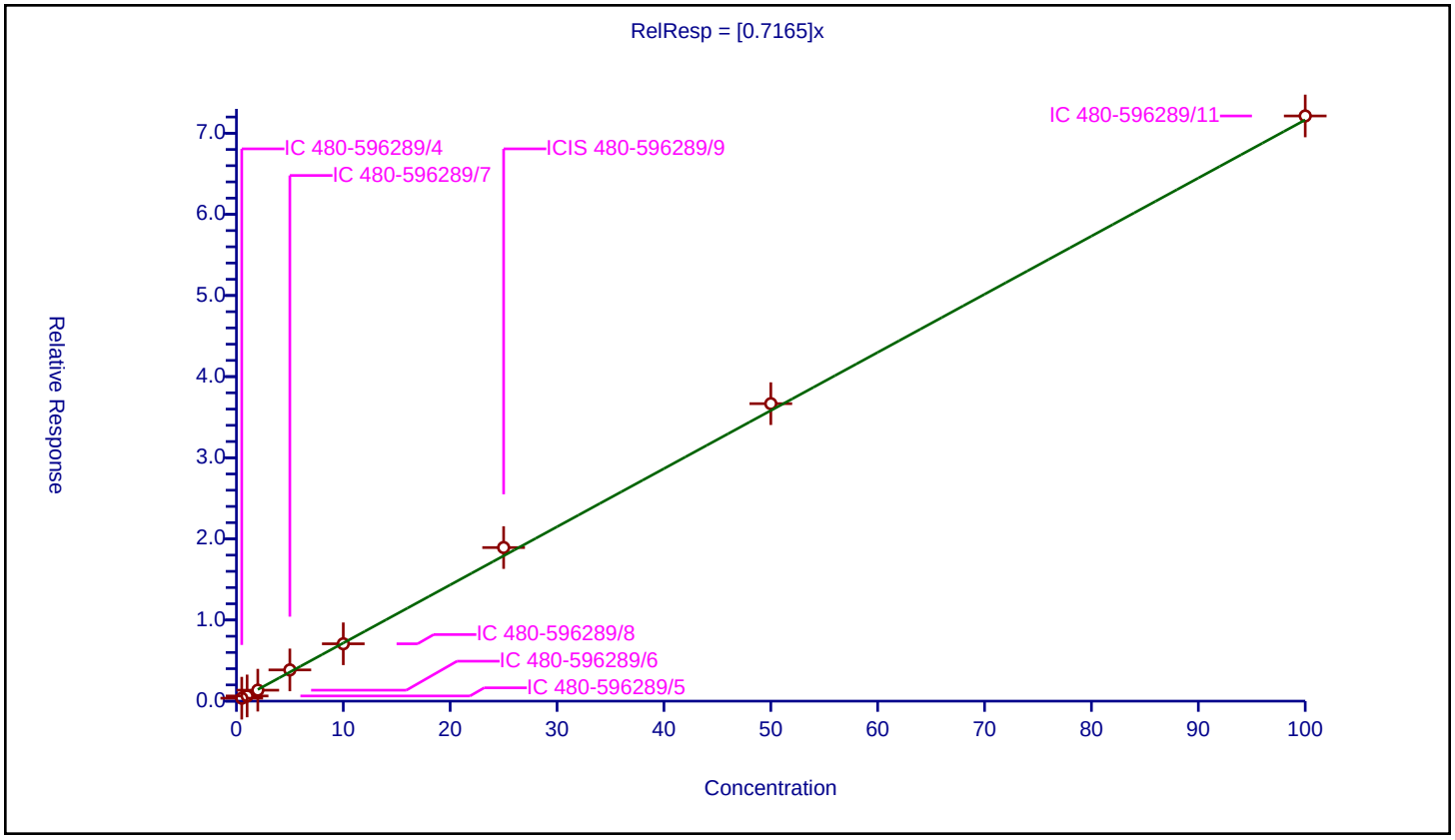
Curve Coefficients

Intercept:	0
Slope:	0.7165

Error Coefficients

Standard Error:	483000
Relative Standard Error:	5.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.363834	25.0	357993.0	0.727668	Y
2	IC 480-596289/5	1.0	0.640162	25.0	344522.0	0.640162	Y
3	IC 480-596289/6	2.0	1.350945	25.0	339540.0	0.675473	Y
4	IC 480-596289/7	5.0	3.847796	25.0	335010.0	0.769559	Y
5	IC 480-596289/8	10.0	7.068163	25.0	342681.0	0.706816	Y
6	ICIS 480-596289/9	25.0	18.932175	25.0	371999.0	0.757287	Y
7	IC 480-596289/10	50.0	36.667179	25.0	390555.0	0.733344	Y
8	IC 480-596289/11	100.0	72.131067	25.0	382285.0	0.721311	Y



Calibration / 1,2,4-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

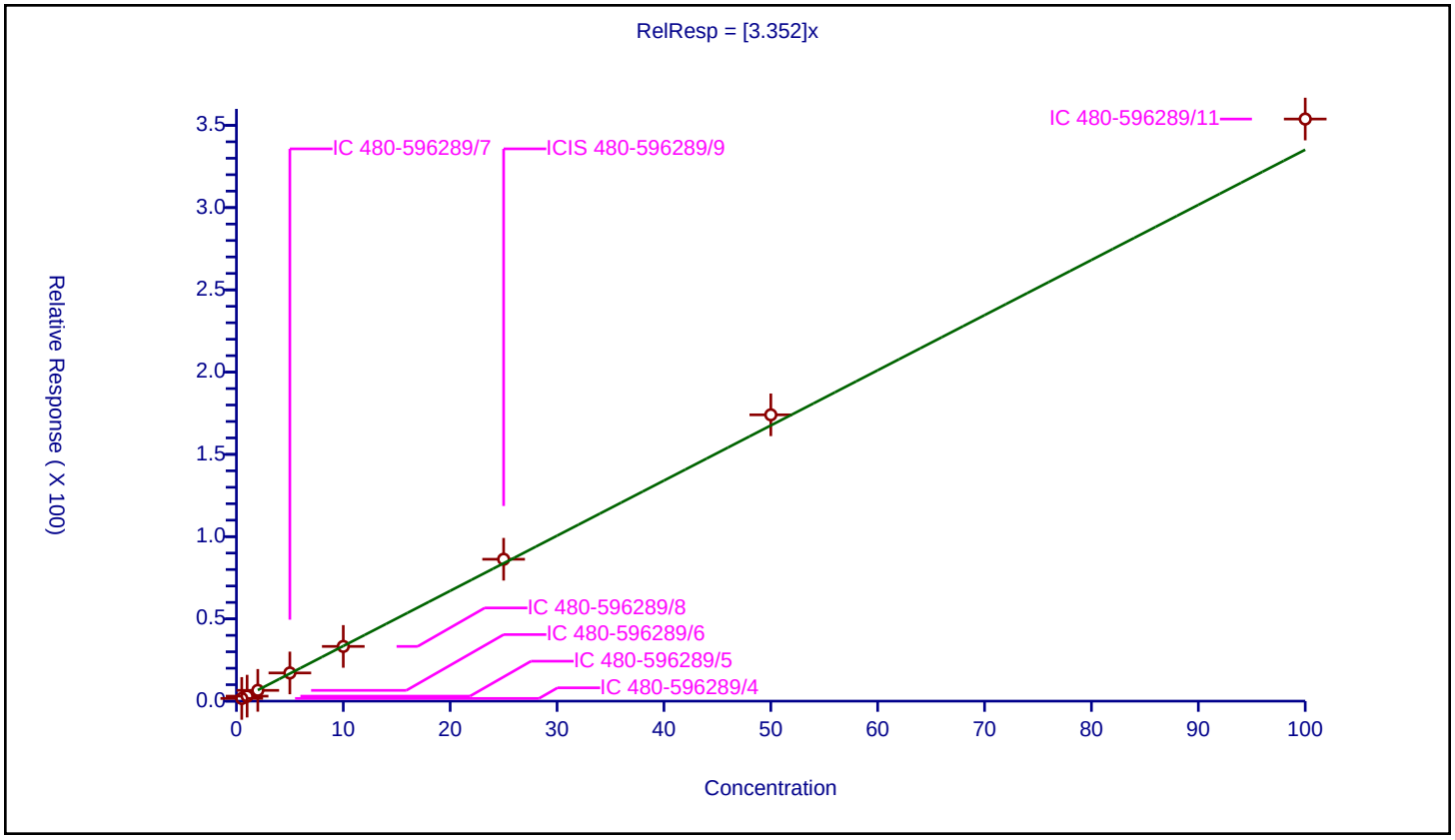
Curve Coefficients

Intercept:	0
Slope:	3.352

Error Coefficients

Standard Error:	2350000
Relative Standard Error:	4.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	1.639068	25.0	357993.0	3.278137	Y
2	IC 480-596289/5	1.0	3.038921	25.0	344522.0	3.038921	Y
3	IC 480-596289/6	2.0	6.548639	25.0	339540.0	3.27432	Y
4	IC 480-596289/7	5.0	17.13919	25.0	335010.0	3.427838	Y
5	IC 480-596289/8	10.0	33.26286	25.0	342681.0	3.326286	Y
6	ICIS 480-596289/9	25.0	86.249089	25.0	371999.0	3.449964	Y
7	IC 480-596289/10	50.0	174.046421	25.0	390555.0	3.480928	Y
8	IC 480-596289/11	100.0	353.835816	25.0	382285.0	3.538358	Y



Calibration / sec-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

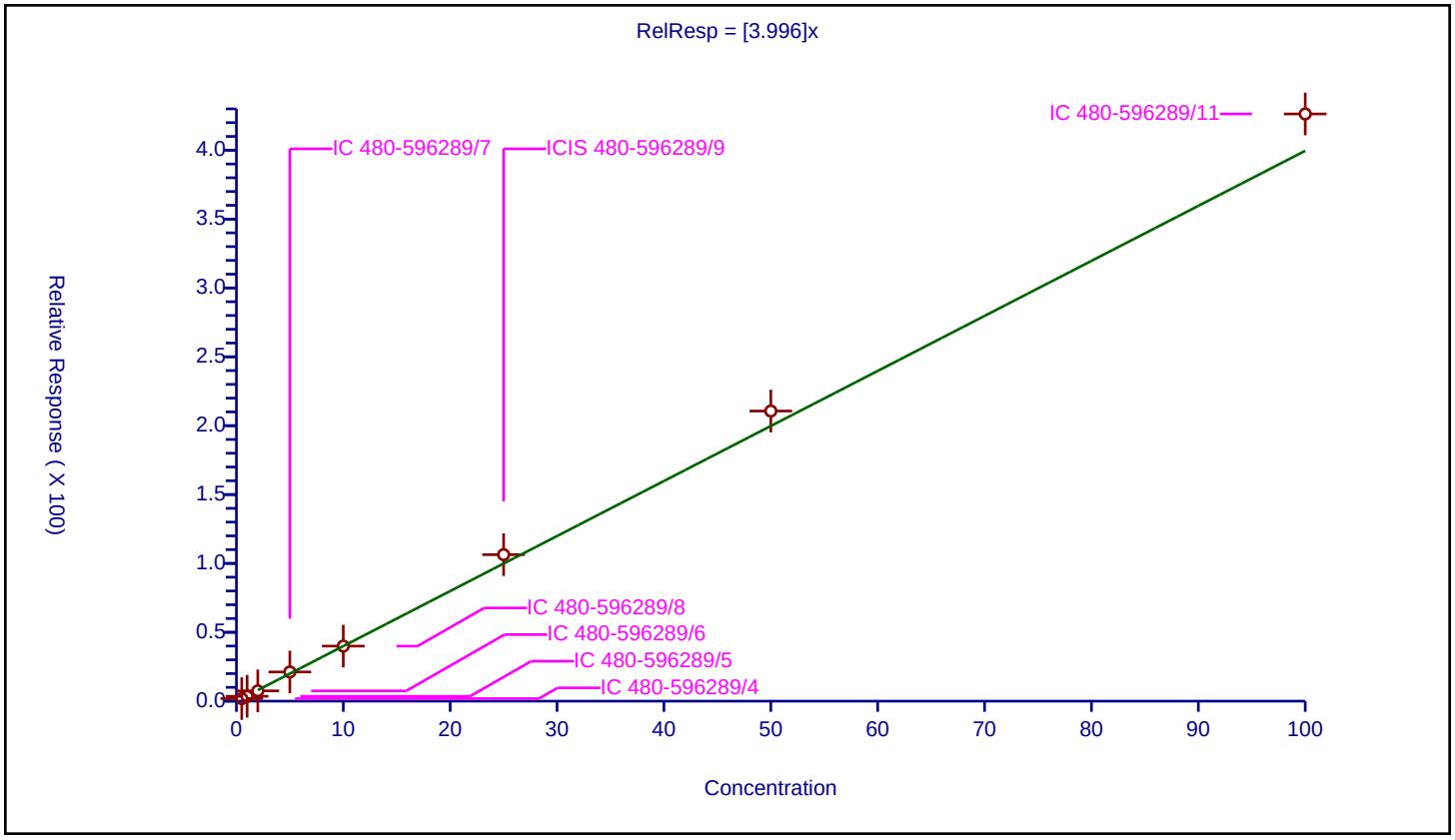
Curve Coefficients

Intercept:	0
Slope:	3.996

Error Coefficients

Standard Error:	2830000
Relative Standard Error:	7.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	1.868193	25.0	357993.0	3.736386	Y
2	IC 480-596289/5	1.0	3.530471	25.0	344522.0	3.530471	Y
3	IC 480-596289/6	2.0	7.470769	25.0	339540.0	3.735385	Y
4	IC 480-596289/7	5.0	21.184965	25.0	335010.0	4.236993	Y
5	IC 480-596289/8	10.0	39.953047	25.0	342681.0	3.995305	Y
6	ICIS 480-596289/9	25.0	106.362383	25.0	371999.0	4.254495	Y
7	IC 480-596289/10	50.0	210.628721	25.0	390555.0	4.212574	Y
8	IC 480-596289/11	100.0	426.320677	25.0	382285.0	4.263207	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

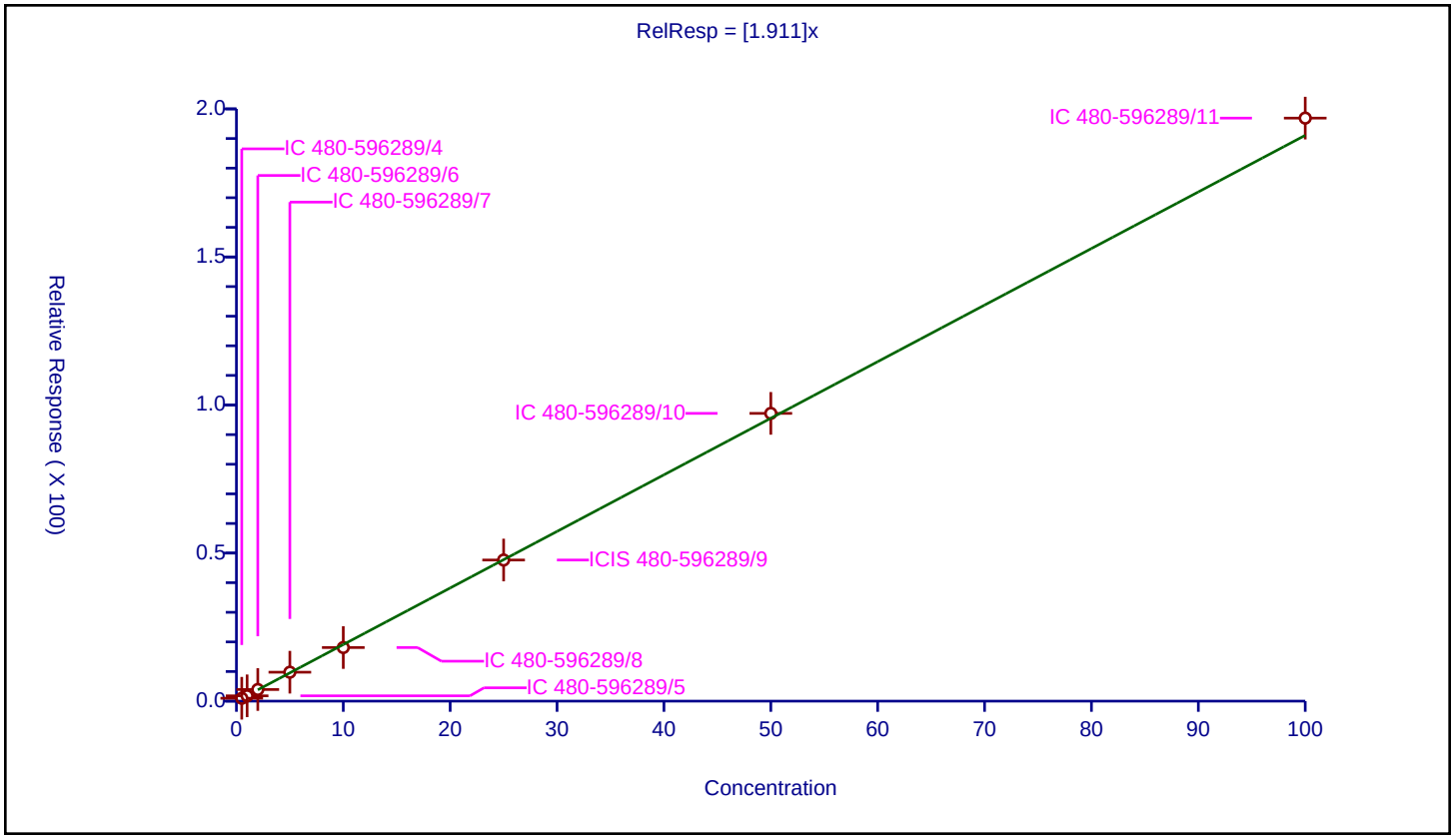
Curve Coefficients

Intercept:	0
Slope:	1.911

Error Coefficients

Standard Error:	1310000
Relative Standard Error:	3.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.972645	25.0	357993.0	1.945289	Y
2	IC 480-596289/5	1.0	1.793137	25.0	344522.0	1.793137	Y
3	IC 480-596289/6	2.0	3.926489	25.0	339540.0	1.963244	Y
4	IC 480-596289/7	5.0	9.774634	25.0	335010.0	1.954927	Y
5	IC 480-596289/8	10.0	18.098538	25.0	342681.0	1.809854	Y
6	ICIS 480-596289/9	25.0	47.656109	25.0	371999.0	1.906244	Y
7	IC 480-596289/10	50.0	97.177606	25.0	390555.0	1.943552	Y
8	IC 480-596289/11	100.0	196.889755	25.0	382285.0	1.968898	Y



Calibration / 4-Isopropyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

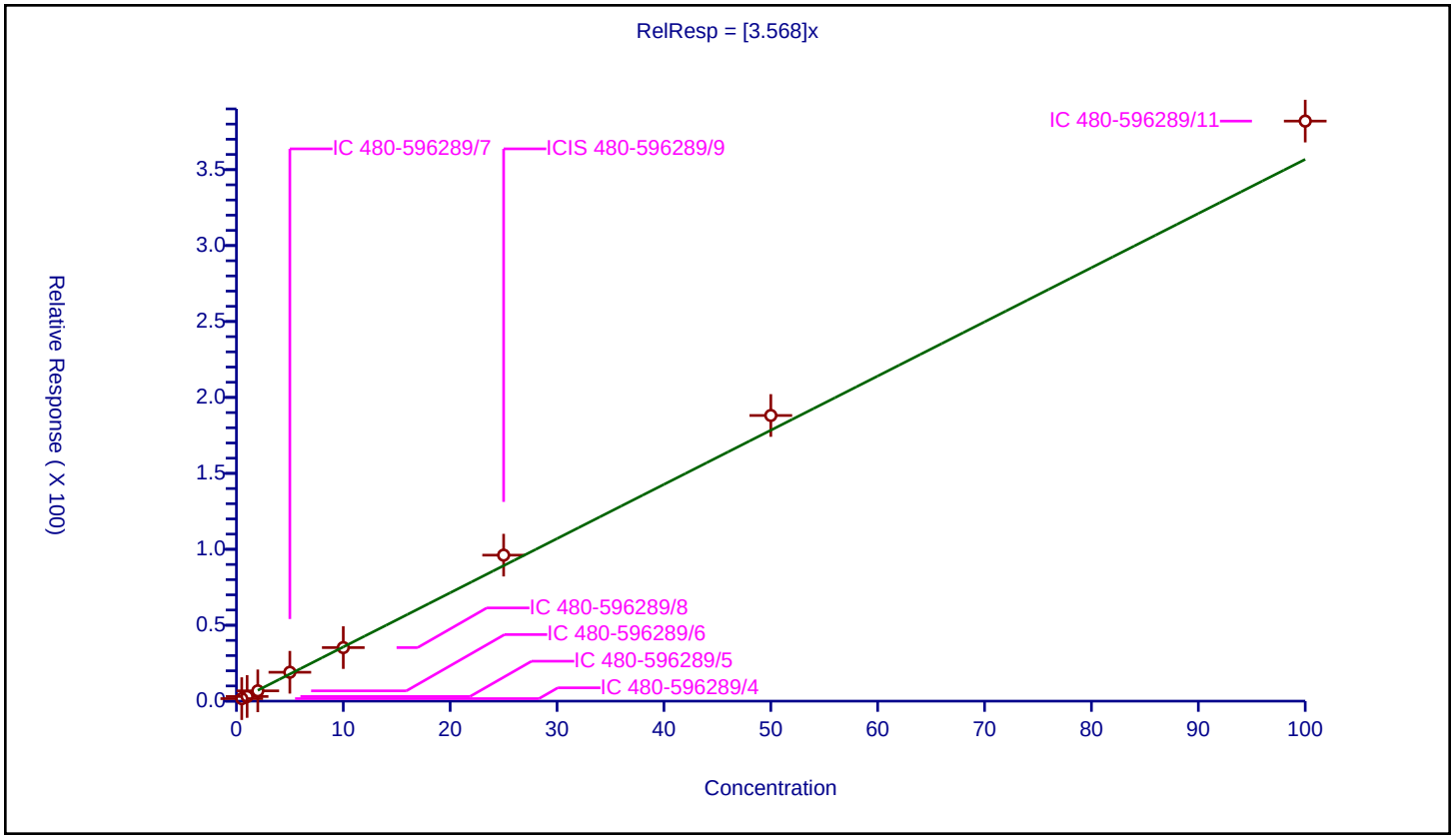
Curve Coefficients

Intercept:	0
Slope:	3.568

Error Coefficients

Standard Error:	2540000
Relative Standard Error:	8.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	1.665326	25.0	357993.0	3.330652	Y
2	IC 480-596289/5	1.0	3.064173	25.0	344522.0	3.064173	Y
3	IC 480-596289/6	2.0	6.781381	25.0	339540.0	3.39069	Y
4	IC 480-596289/7	5.0	19.016223	25.0	335010.0	3.803245	Y
5	IC 480-596289/8	10.0	35.266837	25.0	342681.0	3.526684	Y
6	ICIS 480-596289/9	25.0	96.134734	25.0	371999.0	3.845389	Y
7	IC 480-596289/10	50.0	188.11531	25.0	390555.0	3.762306	Y
8	IC 480-596289/11	100.0	381.972416	25.0	382285.0	3.819724	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

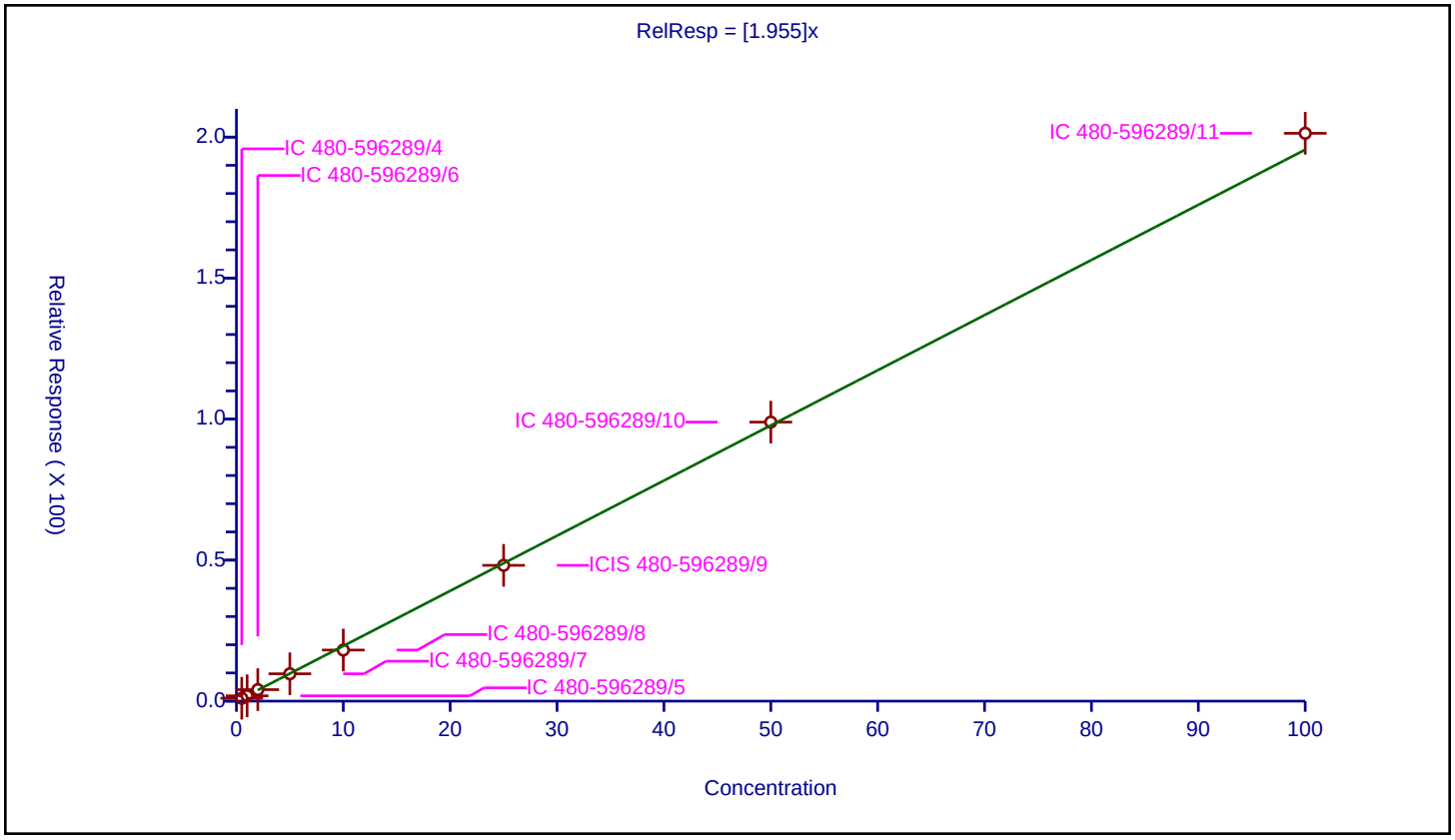
Curve Coefficients

Intercept:	0
Slope:	1.955

Error Coefficients

Standard Error:	1330000
Relative Standard Error:	4.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	1.025928	25.0	357993.0	2.051856	Y
2	IC 480-596289/5	1.0	1.882246	25.0	344522.0	1.882246	Y
3	IC 480-596289/6	2.0	4.07544	25.0	339540.0	2.03772	Y
4	IC 480-596289/7	5.0	9.700457	25.0	335010.0	1.940091	Y
5	IC 480-596289/8	10.0	18.120205	25.0	342681.0	1.812021	Y
6	ICIS 480-596289/9	25.0	48.150734	25.0	371999.0	1.926029	Y
7	IC 480-596289/10	50.0	98.943875	25.0	390555.0	1.978877	Y
8	IC 480-596289/11	100.0	201.349713	25.0	382285.0	2.013497	Y



Calibration / n-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

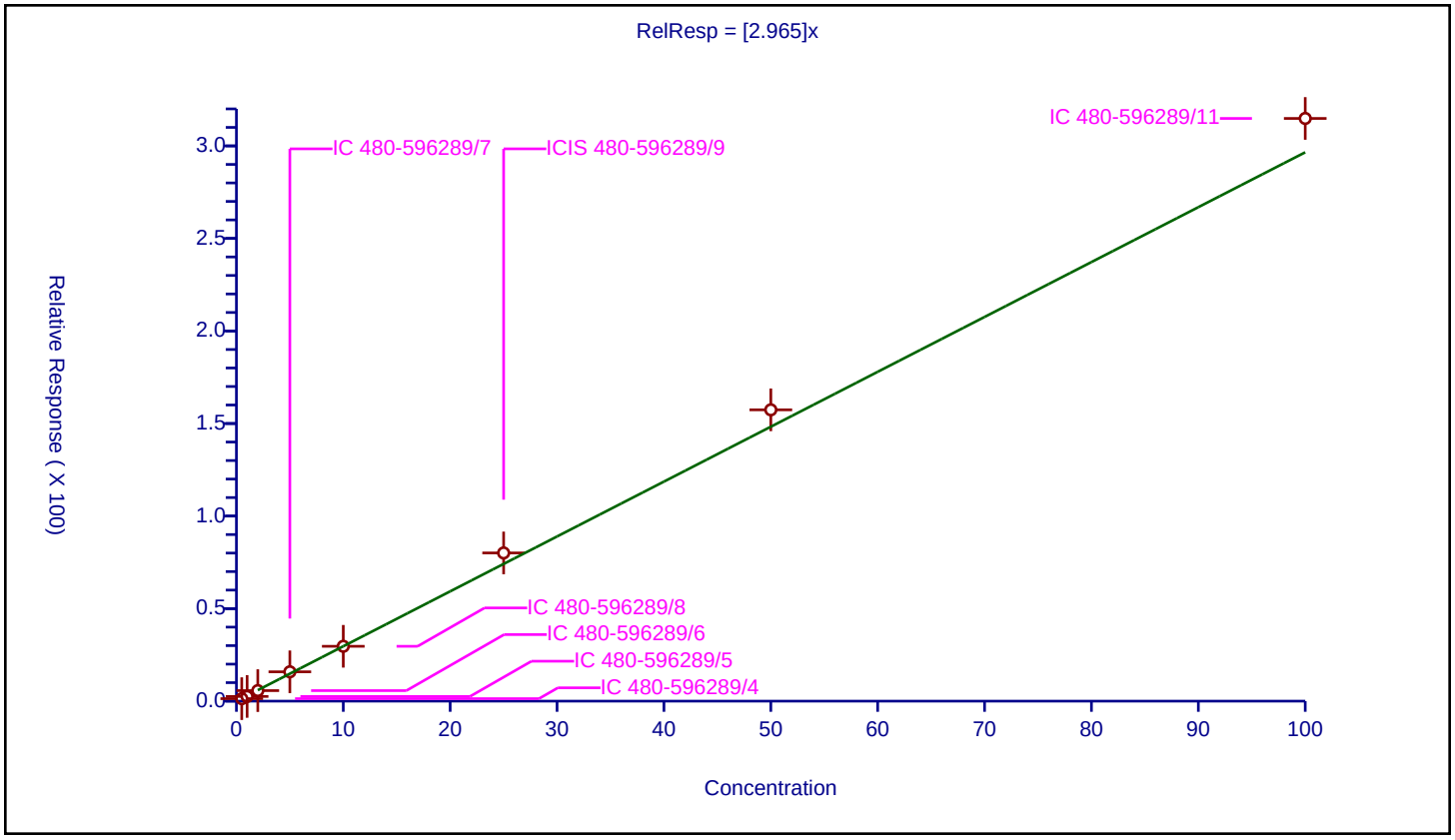
Curve Coefficients

Intercept:	0
Slope:	2.965

Error Coefficients

Standard Error:	2100000
Relative Standard Error:	8.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	1.349328	25.0	357993.0	2.698656	Y
2	IC 480-596289/5	1.0	2.544613	25.0	344522.0	2.544613	Y
3	IC 480-596289/6	2.0	5.693144	25.0	339540.0	2.846572	Y
4	IC 480-596289/7	5.0	15.857139	25.0	335010.0	3.171428	Y
5	IC 480-596289/8	10.0	29.633026	25.0	342681.0	2.963303	Y
6	ICIS 480-596289/9	25.0	80.07078	25.0	371999.0	3.202831	Y
7	IC 480-596289/10	50.0	157.402222	25.0	390555.0	3.148044	Y
8	IC 480-596289/11	100.0	314.831801	25.0	382285.0	3.148318	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

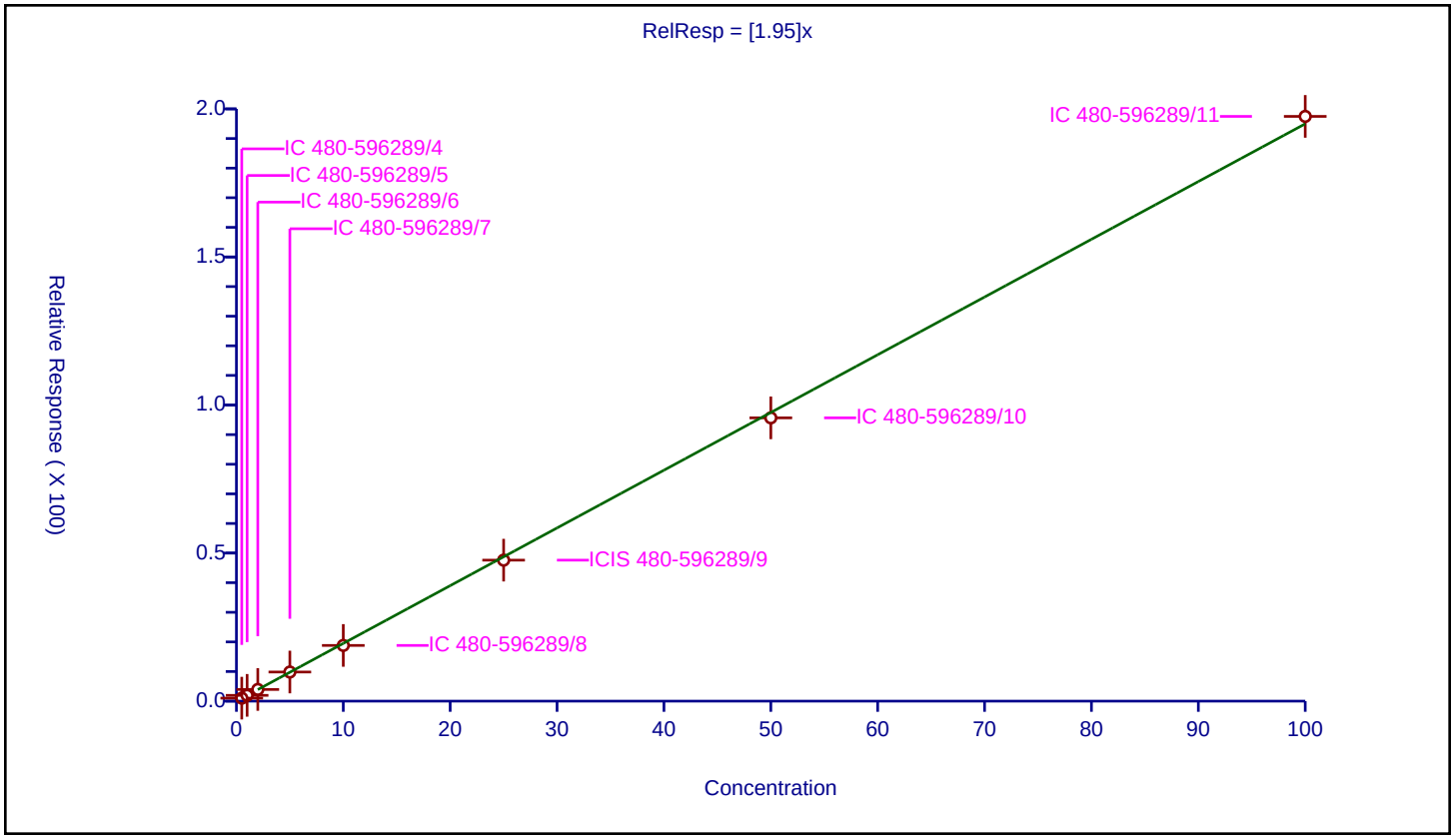
Curve Coefficients

Intercept:	0
Slope:	1.95

Error Coefficients

Standard Error:	1310000
Relative Standard Error:	2.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	1.014615	25.0	357993.0	2.02923	Y
2	IC 480-596289/5	1.0	1.954374	25.0	344522.0	1.954374	Y
3	IC 480-596289/6	2.0	3.944381	25.0	339540.0	1.97219	Y
4	IC 480-596289/7	5.0	9.833139	25.0	335010.0	1.966628	Y
5	IC 480-596289/8	10.0	18.815385	25.0	342681.0	1.881539	Y
6	ICIS 480-596289/9	25.0	47.611149	25.0	371999.0	1.904446	Y
7	IC 480-596289/10	50.0	95.666359	25.0	390555.0	1.913327	Y
8	IC 480-596289/11	100.0	197.464196	25.0	382285.0	1.974642	Y



Calibration / 1,2-Dibromo-3-Chloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

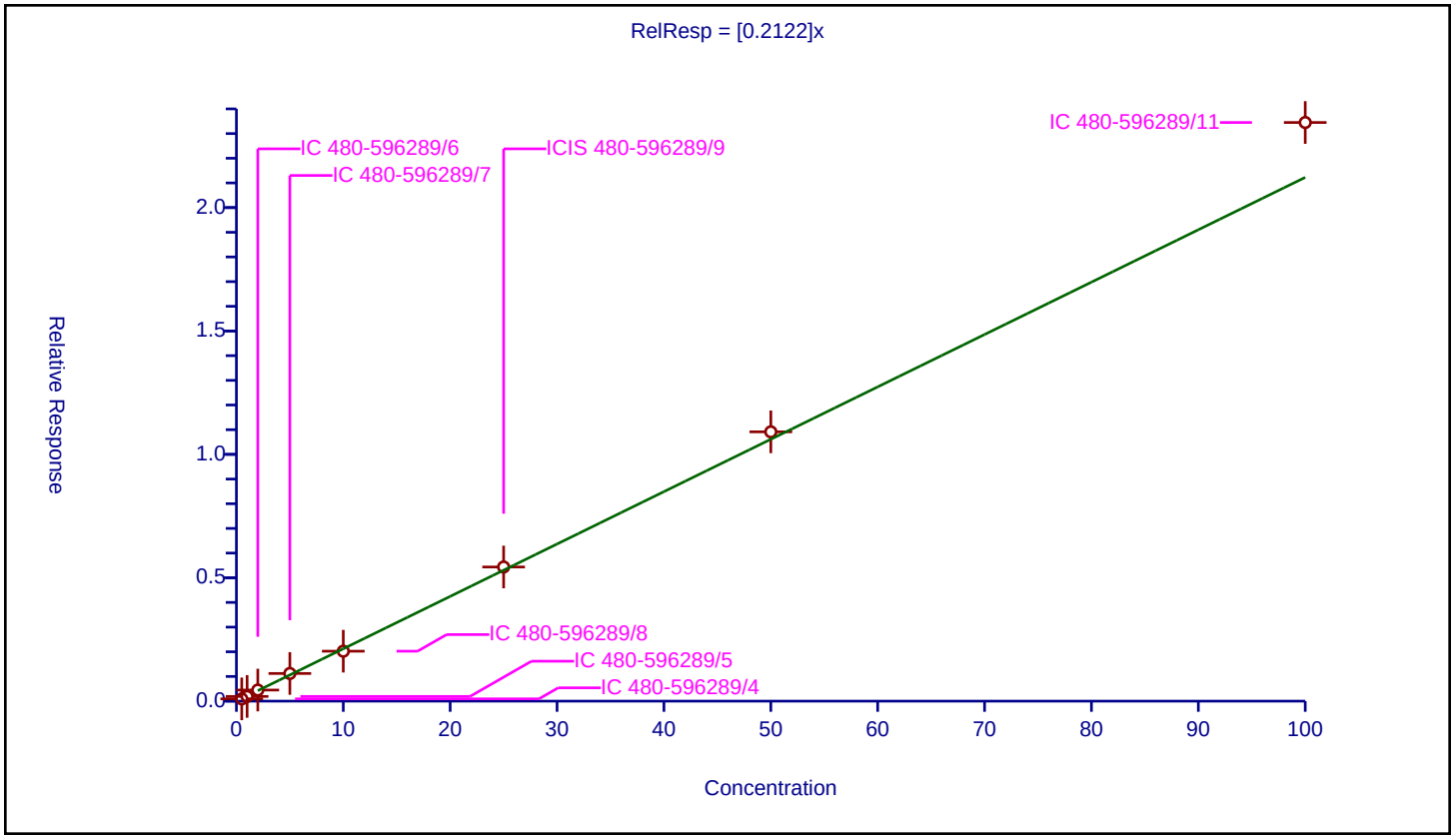
Curve Coefficients

Intercept:	0
Slope:	0.2122

Error Coefficients

Standard Error:	154000
Relative Standard Error:	8.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.092809	25.0	357993.0	0.185618	Y
2	IC 480-596289/5	1.0	0.190772	25.0	344522.0	0.190772	Y
3	IC 480-596289/6	2.0	0.449579	25.0	339540.0	0.224789	Y
4	IC 480-596289/7	5.0	1.120862	25.0	335010.0	0.224172	Y
5	IC 480-596289/8	10.0	2.023821	25.0	342681.0	0.202382	Y
6	ICIS 480-596289/9	25.0	5.436238	25.0	371999.0	0.21745	Y
7	IC 480-596289/10	50.0	10.912932	25.0	390555.0	0.218259	Y
8	IC 480-596289/11	100.0	23.448213	25.0	382285.0	0.234482	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

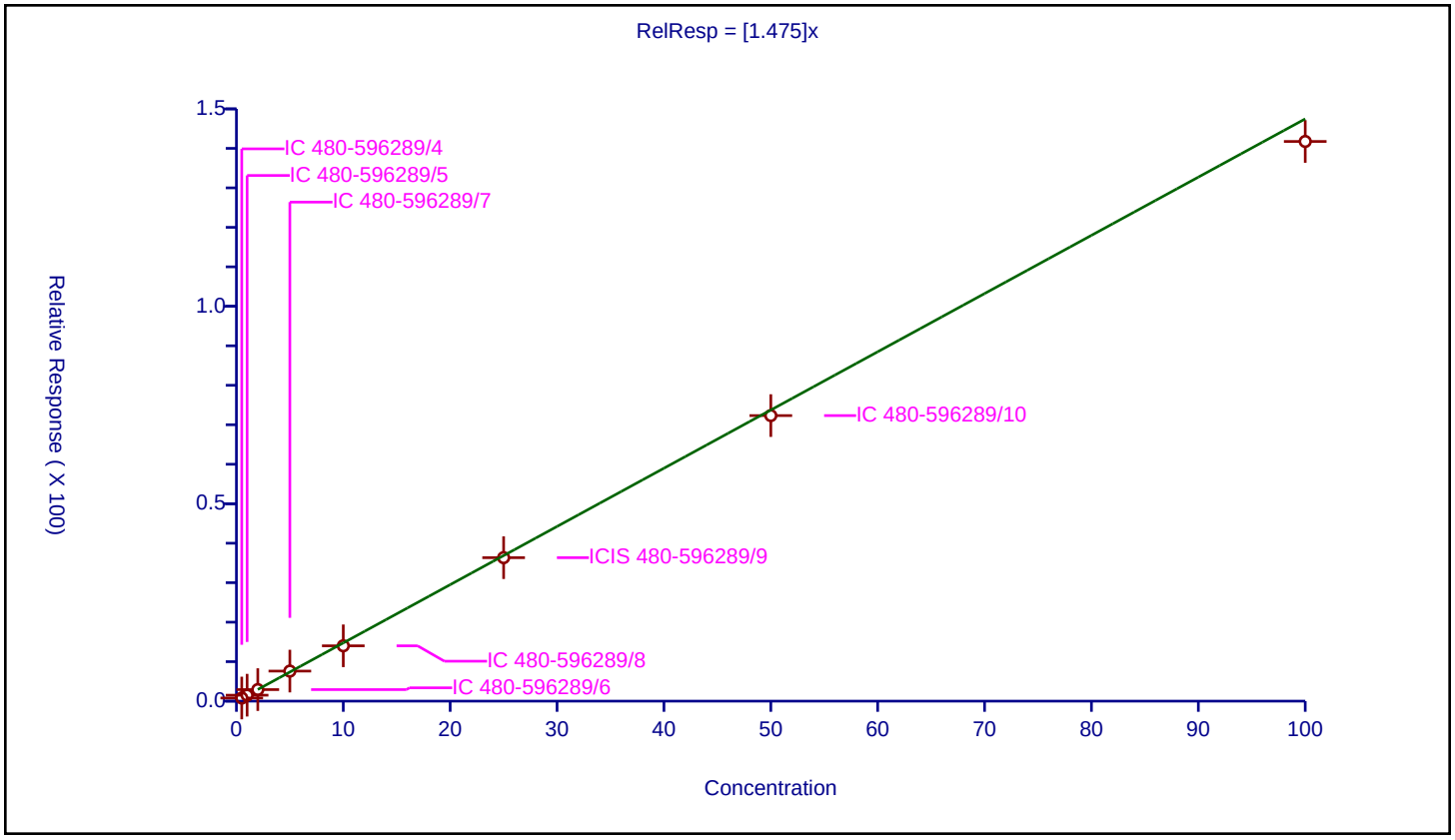
Curve Coefficients

Intercept:	0
Slope:	1.475

Error Coefficients

Standard Error:	950000
Relative Standard Error:	4.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.793312	25.0	357993.0	1.586623	Y
2	IC 480-596289/5	1.0	1.507959	25.0	344522.0	1.507959	Y
3	IC 480-596289/6	2.0	2.922336	25.0	339540.0	1.461168	Y
4	IC 480-596289/7	5.0	7.614176	25.0	335010.0	1.522835	Y
5	IC 480-596289/8	10.0	14.011136	25.0	342681.0	1.401114	Y
6	ICIS 480-596289/9	25.0	36.338539	25.0	371999.0	1.453542	Y
7	IC 480-596289/10	50.0	72.323616	25.0	390555.0	1.446472	Y
8	IC 480-596289/11	100.0	141.750069	25.0	382285.0	1.417501	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

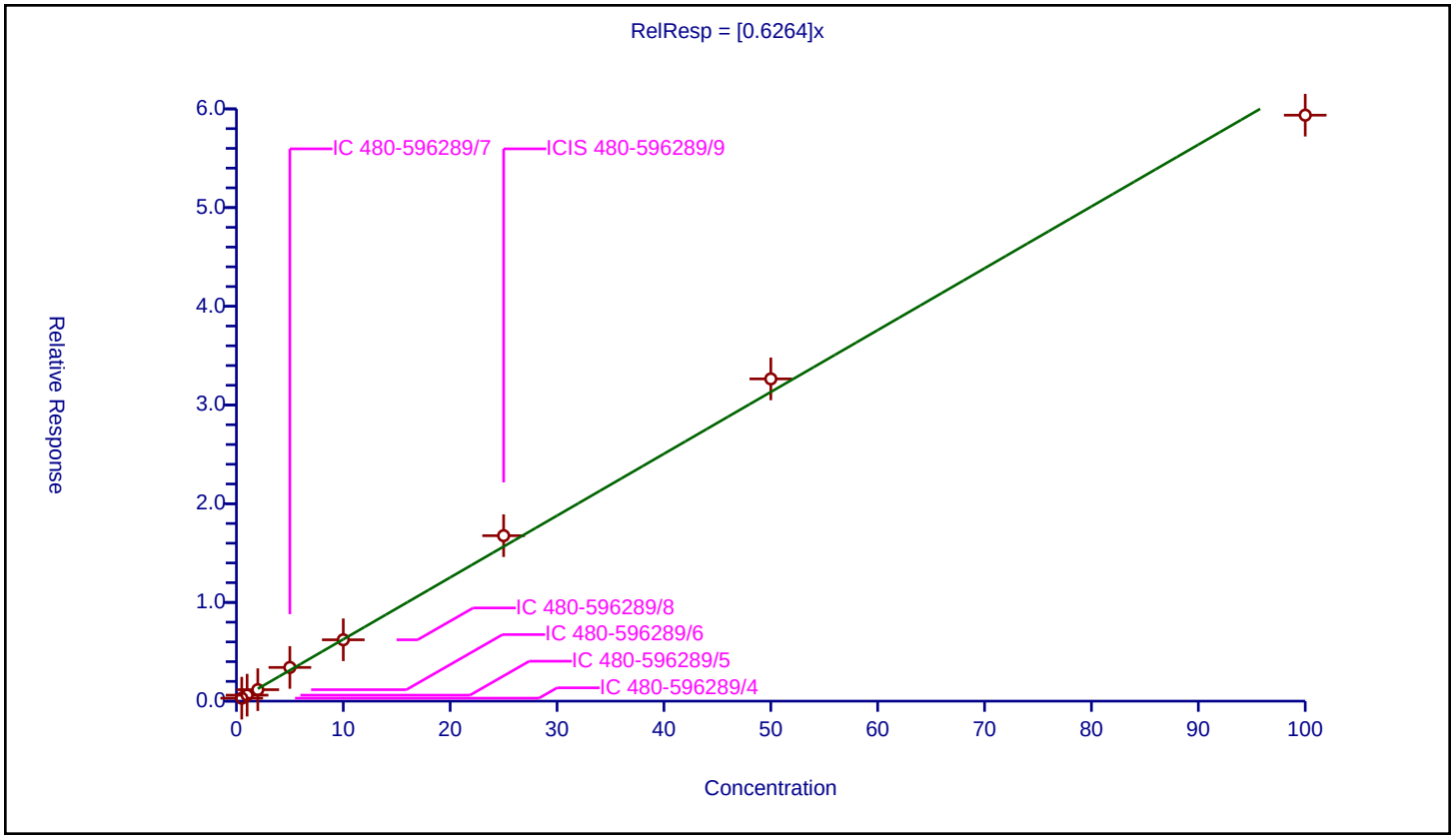
Curve Coefficients

Intercept:	0
Slope:	0.6264

Error Coefficients

Standard Error:	406000
Relative Standard Error:	6.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.301123	25.0	357993.0	0.602246	Y
2	IC 480-596289/5	1.0	0.606928	25.0	344522.0	0.606928	Y
3	IC 480-596289/6	2.0	1.160688	25.0	339540.0	0.580344	Y
4	IC 480-596289/7	5.0	3.41542	25.0	335010.0	0.683084	Y
5	IC 480-596289/8	10.0	6.216204	25.0	342681.0	0.62162	Y
6	ICIS 480-596289/9	25.0	16.762545	25.0	371999.0	0.670502	Y
7	IC 480-596289/10	50.0	32.647578	25.0	390555.0	0.652952	Y
8	IC 480-596289/11	100.0	59.364283	25.0	382285.0	0.593643	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

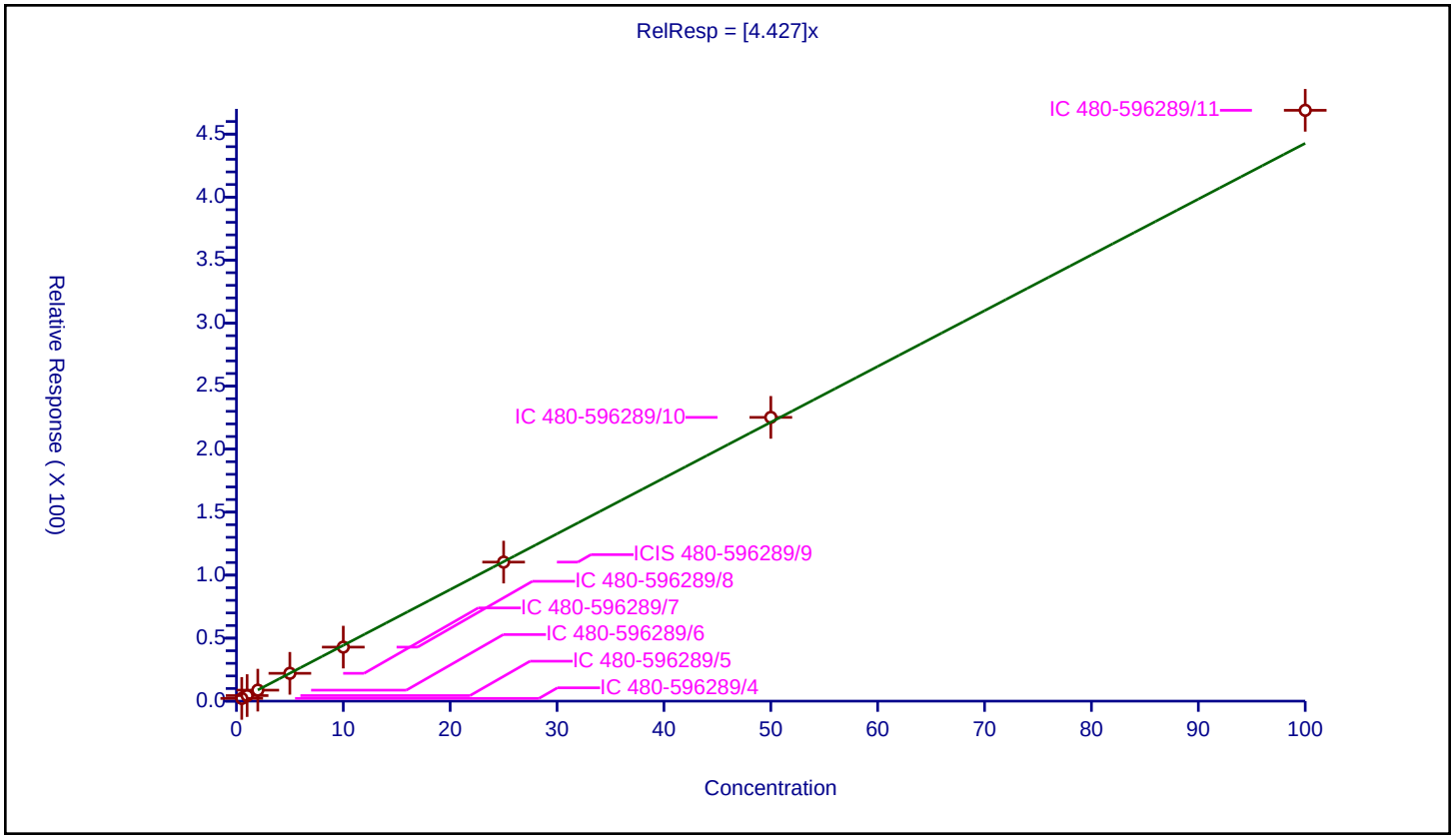
Curve Coefficients

Intercept:	0
Slope:	4.427

Error Coefficients

Standard Error:	3090000
Relative Standard Error:	2.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	2.169945	25.0	357993.0	4.339889	Y
2	IC 480-596289/5	1.0	4.402549	25.0	344522.0	4.402549	Y
3	IC 480-596289/6	2.0	8.722905	25.0	339540.0	4.361452	Y
4	IC 480-596289/7	5.0	22.079938	25.0	335010.0	4.415988	Y
5	IC 480-596289/8	10.0	42.882083	25.0	342681.0	4.288208	Y
6	ICIS 480-596289/9	25.0	110.339611	25.0	371999.0	4.413584	Y
7	IC 480-596289/10	50.0	225.197859	25.0	390555.0	4.503957	Y
8	IC 480-596289/11	100.0	468.878847	25.0	382285.0	4.688788	Y



Calibration / 1,2,3-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

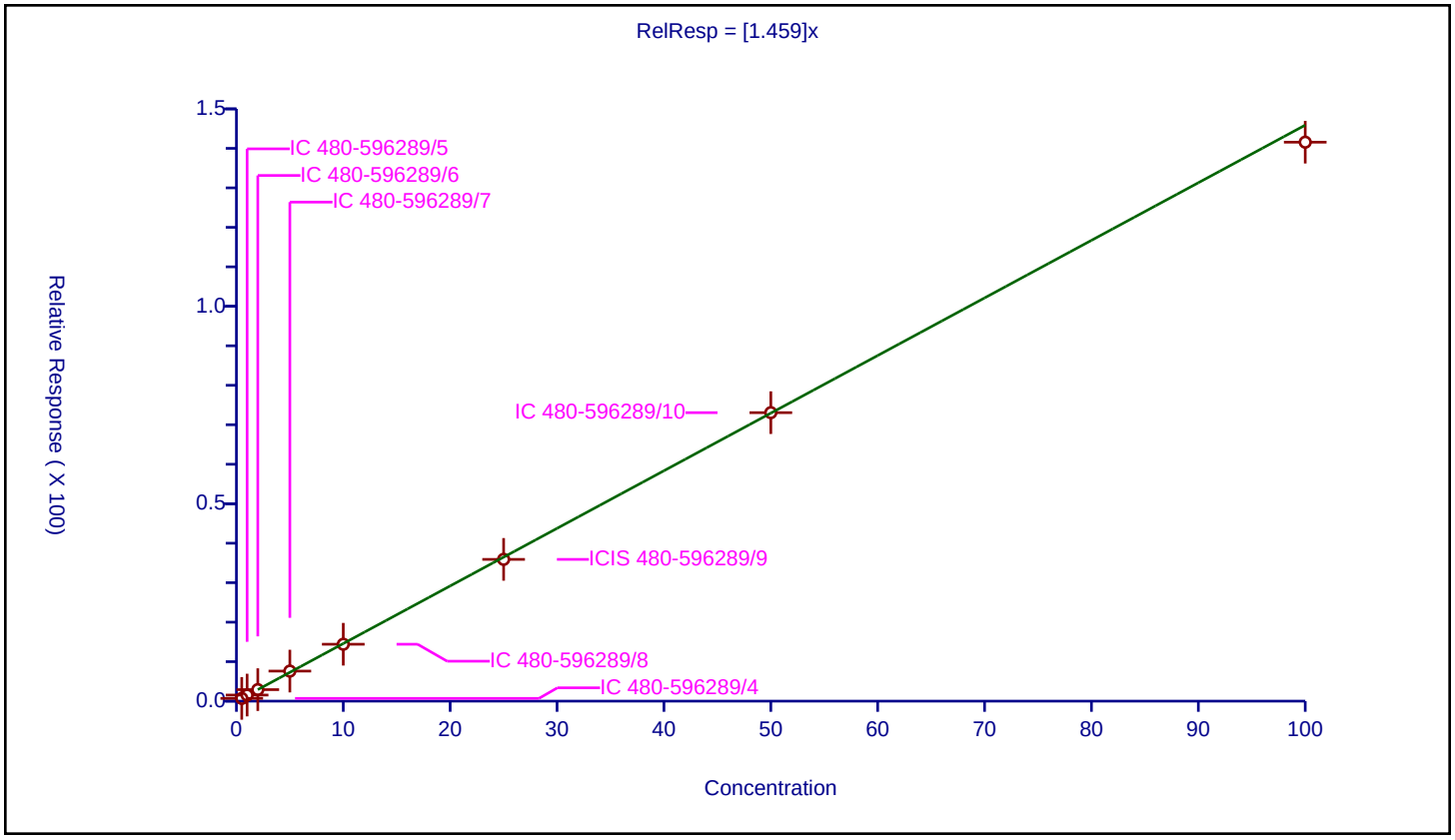
Curve Coefficients

Intercept:	0
Slope:	1.459

Error Coefficients

Standard Error:	951000
Relative Standard Error:	3.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-596289/4	0.5	0.698477	25.0	357993.0	1.396955	Y
2	IC 480-596289/5	1.0	1.538654	25.0	344522.0	1.538654	Y
3	IC 480-596289/6	2.0	2.917845	25.0	339540.0	1.458922	Y
4	IC 480-596289/7	5.0	7.610071	25.0	335010.0	1.522014	Y
5	IC 480-596289/8	10.0	14.410195	25.0	342681.0	1.441019	Y
6	ICIS 480-596289/9	25.0	35.90097	25.0	371999.0	1.436039	Y
7	IC 480-596289/10	50.0	73.064549	25.0	390555.0	1.461291	Y
8	IC 480-596289/11	100.0	141.564867	25.0	382285.0	1.415649	Y



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: ICV 480-596289/25 Calibration Date: 09/15/2021 01:44

Instrument ID: HP5973S Calib Start Date: 09/14/2021 17:37

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 09/14/2021 20:20

Lab File ID: S3520.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.779	1.383	0.1000	19.4	25.0	-22.3	50.0
Chloromethane	Ave	2.351	2.061	0.1000	21.9	25.0	-12.3	30.0
Butadiene	Ave	2.523	2.006		19.9	25.0	-20.5	30.0
Vinyl chloride	Ave	2.134	1.812	0.1000	21.2	25.0	-15.1	30.0
Bromomethane	Ave	1.433	1.234	0.1000	21.5	25.0	-13.9	50.0
Chloroethane	Ave	1.485	1.205	0.1000	20.3	25.0	-18.8	50.0
Dichlorofluoromethane	Ave	3.077	2.638		21.4	25.0	-14.3	30.0
Trichlorofluoromethane	Ave	2.620	2.146	0.1000	20.5	25.0	-18.1	30.0
Ethyl ether	Ave	1.796	1.596		22.2	25.0	-11.1	30.0
Acrolein	Ave	0.1299	0.0991		95.3	125	-23.7	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.419	1.379	0.1000	24.3	25.0	-2.8	30.0
1,1-Dichloroethene	Ave	1.521	1.333	0.1000	21.9	25.0	-12.3	30.0
Acetone	Ave	0.7694	0.7168	0.1000	116	125	-6.8	50.0
Iodomethane	Ave	2.719	2.408		22.1	25.0	-11.4	30.0
Carbon disulfide	Ave	4.887	4.592	0.1000	23.5	25.0	-6.0	30.0
Allyl chloride	Ave	2.998	2.726		22.7	25.0	-9.1	30.0
Methyl acetate	Ave	2.026	1.747	0.1000	43.1	50.0	-13.8	50.0
Methylene Chloride	Lin1		1.675	0.1000	23.6	25.0	-5.8	30.0
2-Methyl-2-propanol	Ave	0.2395	0.2115		221	250	-11.7	50.0
Methyl tert-butyl ether	Ave	5.484	5.035	0.1000	22.9	25.0	-8.2	30.0
trans-1,2-Dichloroethene	Ave	1.714	1.541	0.1000	22.5	25.0	-10.1	30.0
Acrylonitrile	Ave	1.049	0.9484		226	250	-9.6	30.0
Hexane	Ave	2.599	2.355		22.7	25.0	-9.4	30.0
1,1-Dichloroethane	Ave	3.142	2.877	0.2000	22.9	25.0	-8.4	30.0
Vinyl acetate	Ave	4.152	3.696		44.5	50.0	-11.0	30.0
2,2-Dichloropropane	Ave	1.596	1.413		22.1	25.0	-11.5	30.0
cis-1,2-Dichloroethene	Ave	1.852	1.694	0.1000	22.9	25.0	-8.6	30.0
2-Butanone (MEK)	Ave	1.175	1.053	0.1000	112	125	-10.4	30.0
Chlorobromomethane	Ave	0.9936	0.9408		23.7	25.0	-5.3	30.0
Tetrahydrofuran	Ave	0.8718	0.7143		41.0	50.0	-18.1	30.0
Chloroform	Ave	3.114	2.704	0.2000	21.7	25.0	-13.1	30.0
1,1,1-Trichloroethane	Ave	2.460	2.340	0.1000	23.8	25.0	-4.9	30.0
Cyclohexane	Ave	3.206	3.040	0.1000	23.7	25.0	-5.2	30.0
Carbon tetrachloride	Ave	2.159	2.060	0.1000	23.9	25.0	-4.6	30.0
1,1-Dichloropropene	Ave	2.159	2.054		23.8	25.0	-4.9	30.0
Benzene	Ave	6.681	6.200	0.5000	23.2	25.0	-7.2	30.0
Isobutyl alcohol	Ave	0.0820	0.0650		495	625	-20.7	50.0
1,2-Dichloroethane	Ave	2.535	2.288	0.1000	22.6	25.0	-9.7	30.0
n-Heptane	Ave	2.950	2.269		19.2	25.0	-23.1	30.0
Trichloroethene	Ave	1.599	1.522	0.2000	23.8	25.0	-4.8	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: ICV 480-596289/25 Calibration Date: 09/15/2021 01:44

Instrument ID: HP5973S Calib Start Date: 09/14/2021 17:37

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 09/14/2021 20:20

Lab File ID: S3520.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.919	2.716	0.1000	23.3	25.0	-6.9	30.0
1,2-Dichloropropane	Ave	1.698	1.558	0.1000	22.9	25.0	-8.3	30.0
Dibromomethane	Ave	1.057	0.9695	0.1000	22.9	25.0	-8.2	30.0
1,4-Dioxane	Lin1		0.0082		376	500	-24.8	50.0
Bromodichloromethane	Ave	1.951	1.859	0.2000	23.8	25.0	-4.7	30.0
2-Chloroethyl vinyl ether	Ave	1.175	1.088		23.1	25.0	-7.5	30.0
cis-1,3-Dichloropropene	Ave	2.518	2.336	0.2000	23.2	25.0	-7.2	30.0
4-Methyl-2-pentanone (MIBK)	Ave	1.264	1.137	0.1000	113	125	-10.0	30.0
Toluene	Ave	2.023	1.906	0.4000	23.5	25.0	-5.8	30.0
trans-1,3-Dichloropropene	Ave	1.166	1.073	0.1000	23.0	25.0	-8.0	30.0
Ethyl methacrylate	Ave	1.006	0.9811		24.4	25.0	-2.5	30.0
1,1,2-Trichloroethane	Ave	0.6255	0.5635	0.1000	22.5	25.0	-9.9	30.0
Tetrachloroethene	Ave	0.8789	0.8181	0.2000	23.3	25.0	-6.9	30.0
1,3-Dichloropropane	Ave	1.287	1.159		22.5	25.0	-9.9	30.0
2-Hexanone	Ave	0.8479	0.7633	0.1000	113	125	-10.0	30.0
Dibromochloromethane	Ave	0.7357	0.6882	0.1000	23.4	25.0	-6.5	30.0
1,2-Dibromoethane	Ave	0.7815	0.7197		23.0	25.0	-7.9	30.0
Chlorobenzene	Ave	2.308	2.148	0.5000	23.3	25.0	-6.9	30.0
Ethylbenzene	Ave	3.803	3.596	0.1000	23.6	25.0	-5.4	30.0
1,1,1,2-Tetrachloroethane	Ave	0.8349	0.7973		23.9	25.0	-4.5	30.0
m-Xylene & p-Xylene	Ave	1.542	1.463	0.1000	23.7	25.0	-5.1	30.0
o-Xylene	Ave	1.525	1.448	0.3000	23.7	25.0	-5.0	30.0
Styrene	Ave	2.506	2.311	0.3000	23.0	25.0	-7.8	30.0
Bromoform	Ave	0.5117	0.4790	0.1000	23.4	25.0	-6.4	50.0
Isopropylbenzene	Ave	3.798	3.779	0.1000	24.9	25.0	-0.5	30.0
Bromobenzene	Ave	0.9692	0.9531		24.6	25.0	-1.7	30.0
1,1,2,2-Tetrachloroethane	Ave	1.041	0.998	0.3000	24.0	25.0	-4.2	30.0
N-Propylbenzene	Ave	4.251	4.194		24.7	25.0	-1.3	30.0
1,2,3-Trichloropropane	Ave	0.3606	0.3442		23.9	25.0	-4.5	30.0
trans-1,4-Dichloro-2-butene	Lin1		0.2847		20.2	25.0	-19.1	50.0
2-Chlorotoluene	Ave	0.9259	0.8818		23.8	25.0	-4.8	30.0
1,3,5-Trimethylbenzene	Ave	3.230	3.208		24.8	25.0	-0.7	30.0
4-Chlorotoluene	Ave	0.9159	0.9021		24.6	25.0	-1.5	30.0
tert-Butylbenzene	Ave	0.7165	0.7235		25.2	25.0	1.0	30.0
1,2,4-Trimethylbenzene	Ave	3.352	3.276		24.4	25.0	-2.3	30.0
sec-Butylbenzene	Ave	3.996	3.985		24.9	25.0	-0.3	30.0
1,3-Dichlorobenzene	Ave	1.911	1.797	0.6000	23.5	25.0	-5.9	30.0
4-Isopropyltoluene	Ave	3.568	3.518		24.7	25.0	-1.4	30.0
1,4-Dichlorobenzene	Ave	1.955	1.831	0.5000	23.4	25.0	-6.3	30.0
n-Butylbenzene	Ave	2.965	2.919		24.6	25.0	-1.6	30.0
1,2-Dichlorobenzene	Ave	1.950	1.853	0.4000	23.8	25.0	-5.0	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: ICV 480-596289/25 Calibration Date: 09/15/2021 01:44

Instrument ID: HP5973S Calib Start Date: 09/14/2021 17:37

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 09/14/2021 20:20

Lab File ID: S3520.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.2122	0.2032	0.0500	23.9	25.0	-4.3	50.0
1,2,4-Trichlorobenzene	Ave	1.475	1.389	0.2000	23.6	25.0	-5.8	30.0
Hexachlorobutadiene	Ave	0.6264	0.5981		23.9	25.0	-4.5	30.0
Naphthalene	Ave	4.427	4.236		23.9	25.0	-4.3	30.0
1,2,3-Trichlorobenzene	Ave	1.459	1.416		24.3	25.0	-3.0	30.0
Dibromofluoromethane (Surr)	Ave	1.346	1.329		24.7	25.0	-1.3	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8718	0.8515		24.4	25.0	-2.3	30.0
Toluene-d8 (Surr)	Ave	2.530	2.514		24.8	25.0	-0.6	30.0
4-Bromofluorobenzene (Surr)	Ave	0.8445	0.8283		24.5	25.0	-1.9	30.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3520.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 15-Sep-2021 01:44:30 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 480-0100971-025
Operator ID: wd Instrument ID: HP5973S
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Sep-2021 10:52:08 Calib Date: 15-Sep-2021 00:35:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3517.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: HillL Date: 15-Sep-2021 10:47:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.999	0.000	98	166897	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.962	7.962	0.000	86	340656	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.395	10.395	0.000	55	340955	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.434	4.434	0.000	58	221770	25.0	24.7	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.732	4.732	0.000	50	142108	25.0	24.4	
$ 5 Toluene-d8 (Surr)	98	6.496	6.496	0.000	75	856425	25.0	24.8	
$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.221	0.000	92	282168	25.0	24.5	
10 Dichlorodifluoromethane	85	1.088	1.081	0.000	87	230866	25.0	19.4	
12 Chloromethane	50	1.246	1.246	0.000	99	344038	25.0	21.9	M
13 Vinyl chloride	62	1.325	1.319	0.006	53	302356	25.0	21.2	
151 Butadiene	54	1.325	1.325	0.000	63	334803	25.0	19.9	
14 Bromomethane	94	1.580	1.586	-0.006	89	205958	25.0	21.5	
15 Chloroethane	64	1.647	1.647	0.000	95	201164	25.0	20.3	
16 Dichlorofluoromethane	67	1.848	1.848	0.000	82	440306	25.0	21.4	
17 Trichlorofluoromethane	101	1.854	1.860	-0.006	62	358160	25.0	20.5	
18 Ethyl ether	59	2.097	2.091	0.006	91	266403	25.0	22.2	
20 Acrolein	56	2.274	2.280	0.000	88	82690	125.0	95.3	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.298	2.292	0.006	70	230075	25.0	24.3	
22 1,1-Dichloroethene	96	2.310	2.304	0.006	89	222551	25.0	21.9	
23 Acetone	43	2.420	2.420	0.000	99	598162	125.0	116.5	
25 Iodomethane	142	2.462	2.462	0.000	98	401889	25.0	22.1	
26 Carbon disulfide	76	2.499	2.499	0.000	99	766426	25.0	23.5	
28 3-Chloro-1-propene	41	2.651	2.651	0.000	88	455034	25.0	22.7	
27 Methyl acetate	43	2.706	2.700	0.006	96	582978	50.0	43.1	
30 Methylene Chloride	84	2.803	2.803	0.000	91	279631	25.0	23.6	
31 2-Methyl-2-propanol	59	2.973	2.973	0.000	57	353032	250.0	220.8	
32 Methyl tert-butyl ether	73	2.998	2.998	0.000	94	840256	25.0	22.9	
34 trans-1,2-Dichloroethene	96	3.010	3.010	0.000	88	257185	25.0	22.5	
33 Acrylonitrile	53	3.077	3.071	0.000	100	1582817	250.0	226.0	
35 Hexane	57	3.199	3.199	0.000	88	393101	25.0	22.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.418	3.418	0.000	85	480214	25.0	22.9	
37 Vinyl acetate	43	3.478	3.478	0.000	97	1233848	50.0	44.5	
44 2,2-Dichloropropane	77	3.929	3.923	0.006	92	235767	25.0	22.1	
45 cis-1,2-Dichloroethene	96	3.965	3.959	0.000	67	282692	25.0	22.9	
43 2-Butanone (MEK)	43	4.008	4.008	0.000	98	878706	125.0	112.0	
48 Chlorobromomethane	128	4.196	4.196	0.000	96	157019	25.0	23.7	
49 Tetrahydrofuran	42	4.215	4.208	0.007	90	238442	50.0	41.0	
50 Chloroform	83	4.275	4.275	0.000	81	451368	25.0	21.7	
51 1,1,1-Trichloroethane	97	4.379	4.373	0.006	79	390591	25.0	23.8	
52 Cyclohexane	56	4.379	4.379	0.000	91	507402	25.0	23.7	
55 Carbon tetrachloride	117	4.513	4.507	0.006	81	343780	25.0	23.9	
54 1,1-Dichloropropene	75	4.525	4.525	0.000	91	342884	25.0	23.8	
57 Benzene	78	4.732	4.726	0.006	96	1034842	25.0	23.2	
53 Isobutyl alcohol	43	4.780	4.792	0.000	62	271014	625.0	495.3	
58 1,2-Dichloroethane	62	4.805	4.805	0.000	74	381935	25.0	22.6	
59 n-Heptane	43	4.914	4.914	0.000	93	378708	25.0	19.2	
62 Trichloroethene	95	5.334	5.334	0.000	91	253967	25.0	23.8	
64 Methylcyclohexane	83	5.443	5.443	0.000	94	453352	25.0	23.3	
65 1,2-Dichloropropane	63	5.571	5.577	-0.006	93	259962	25.0	22.9	
67 Dibromomethane	93	5.711	5.711	0.000	88	161808	25.0	22.9	
66 1,4-Dioxane	88	5.717	5.748	0.000	18	55981	500.0	375.9	
68 Dichlorobromomethane	83	5.869	5.869	0.000	92	310311	25.0	23.8	
69 2-Chloroethyl vinyl ether	63	6.155	6.161	0.000	94	181566	25.0	23.1	
72 cis-1,3-Dichloropropene	75	6.283	6.283	0.000	88	389788	25.0	23.2	
73 4-Methyl-2-pentanone (MIBK)	43	6.435	6.435	0.000	97	1937318	125.0	112.5	
74 Toluene	92	6.557	6.557	0.000	87	649181	25.0	23.5	
77 trans-1,3-Dichloropropene	75	6.855	6.855	0.000	92	365632	25.0	23.0	
75 Ethyl methacrylate	69	6.903	6.903	0.000	72	334212	25.0	24.4	
79 1,1,2-Trichloroethane	83	7.037	7.037	0.000	89	191954	25.0	22.5	
81 Tetrachloroethene	166	7.080	7.080	0.000	91	278676	25.0	23.3	
82 1,3-Dichloropropane	76	7.195	7.195	0.000	94	394739	25.0	22.5	
80 2-Hexanone	43	7.275	7.275	0.000	97	1300070	125.0	112.5	
83 Chlorodibromomethane	129	7.427	7.427	0.000	90	234424	25.0	23.4	
84 Ethylene Dibromide	107	7.518	7.518	0.000	99	245183	25.0	23.0	
87 Chlorobenzene	112	7.992	7.992	0.000	94	731613	25.0	23.3	
88 Ethylbenzene	91	8.090	8.090	0.000	98	1225144	25.0	23.6	
89 1,1,1,2-Tetrachloroethane	131	8.096	8.096	0.000	41	271618	25.0	23.9	
90 m-Xylene & p-Xylene	106	8.211	8.211	0.000	98	498497	25.0	23.7	
91 o-Xylene	106	8.631	8.631	0.000	97	493370	25.0	23.7	
92 Styrene	104	8.668	8.668	0.000	92	787157	25.0	23.0	
95 Bromoform	173	8.911	8.911	0.000	97	163188	25.0	23.4	
94 Isopropylbenzene	105	9.021	9.021	0.000	96	1288630	25.0	24.9	
101 Bromobenzene	156	9.367	9.367	0.000	92	324960	25.0	24.6	
97 1,1,2,2-Tetrachloroethane	83	9.452	9.452	0.000	59	340181	25.0	24.0	
99 N-Propylbenzene	91	9.465	9.465	0.000	98	1429937	25.0	24.7	
100 1,2,3-Trichloropropane	110	9.477	9.477	0.000	64	117368	25.0	23.9	
98 trans-1,4-Dichloro-2-butene	53	9.501	9.495	0.006	94	97066	25.0	20.2	
103 2-Chlorotoluene	126	9.562	9.562	0.000	96	300666	25.0	23.8	
102 1,3,5-Trimethylbenzene	105	9.653	9.653	0.000	93	1093767	25.0	24.8	
105 4-Chlorotoluene	126	9.684	9.684	0.000	97	307562	25.0	24.6	
106 tert-Butylbenzene	134	9.976	9.976	0.000	90	246689	25.0	25.2	
107 1,2,4-Trimethylbenzene	105	10.037	10.037	-0.001	54	1116820	25.0	24.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.195	10.195	0.000	94	1358826	25.0	24.9	
111 1,3-Dichlorobenzene	146	10.322	10.329	-0.007	98	612825	25.0	23.5	
110 4-Isopropyltoluene	119	10.341	10.341	0.000	97	1199648	25.0	24.7	
113 1,4-Dichlorobenzene	146	10.420	10.420	0.000	96	624372	25.0	23.4	
115 n-Butylbenzene	91	10.736	10.736	0.000	94	995386	25.0	24.6	
116 1,2-Dichlorobenzene	146	10.773	10.773	0.000	98	631704	25.0	23.8	
117 1,2-Dibromo-3-Chloropropane	75	11.521	11.521	0.000	81	69286	25.0	23.9	
119 1,2,4-Trichlorobenzene	180	12.196	12.196	0.000	95	473673	25.0	23.6	
120 Hexachlorobutadiene	225	12.312	12.312	0.000	93	203934	25.0	23.9	
121 Naphthalene	128	12.409	12.409	0.000	97	1444455	25.0	23.9	
122 1,2,3-Trichlorobenzene	180	12.610	12.610	0.000	95	482630	25.0	24.3	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

SS GAS CORP_00421	Amount Added:	12.50	Units: uL	
SS 8260 CORP_00094	Amount Added:	12.50	Units: uL	
S_8260_IS_00351	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00398	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 15-Sep-2021 10:52:11 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3520.D

Injection Date: 15-Sep-2021 01:44:30 Instrument ID: HP5973S Operator ID: wd

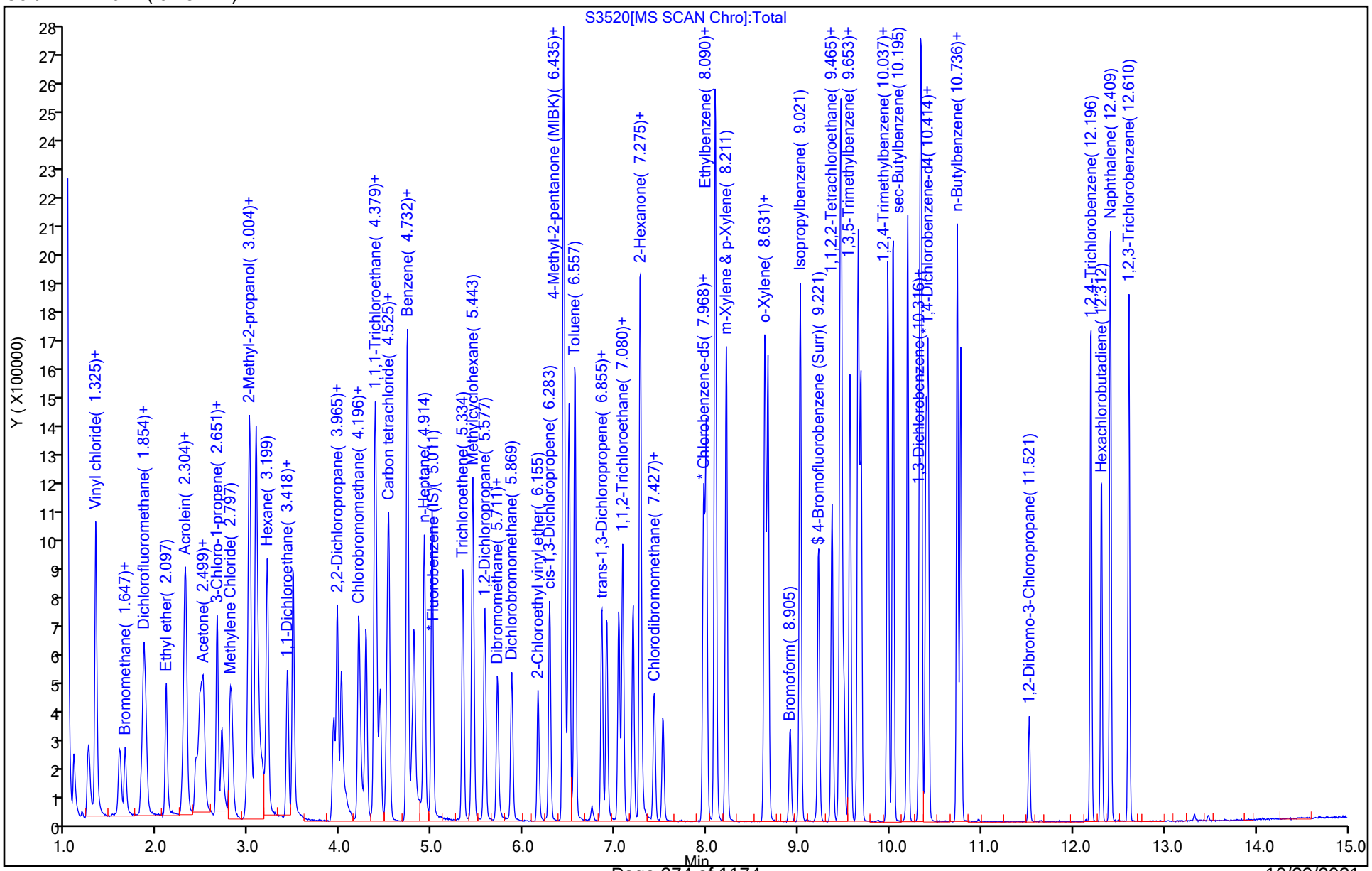
Lims ID: ICV Worklist Smp#: 25

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 25

Method: S-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

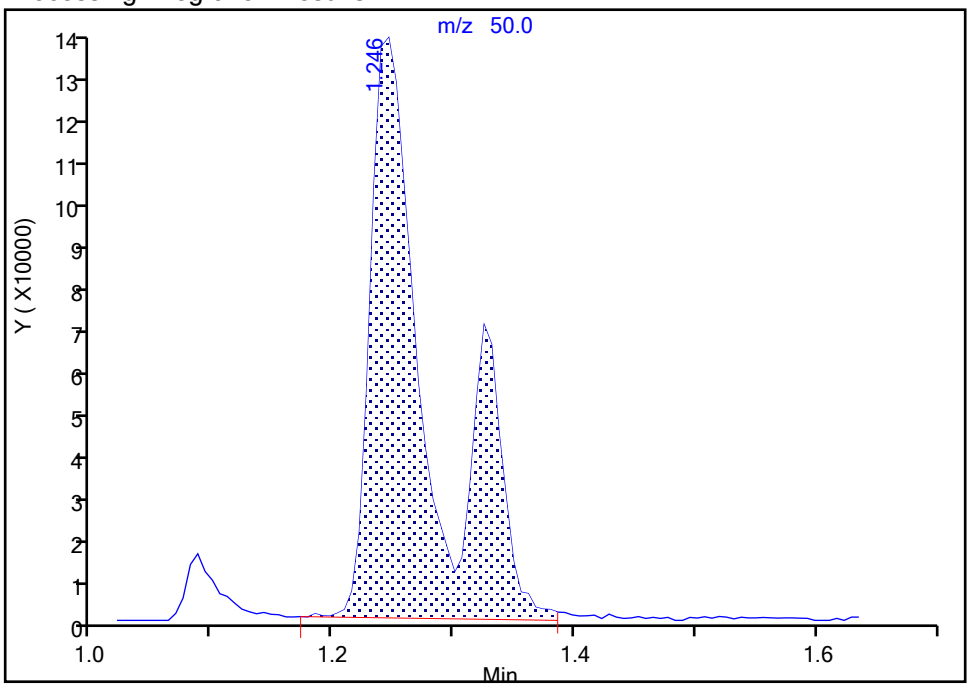
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3520.D
Injection Date: 15-Sep-2021 01:44:30 Instrument ID: HP5973S
Lims ID: ICV
Client ID:
Operator ID: wd ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

12 Chloromethane, CAS: 74-87-3

Signal: 1

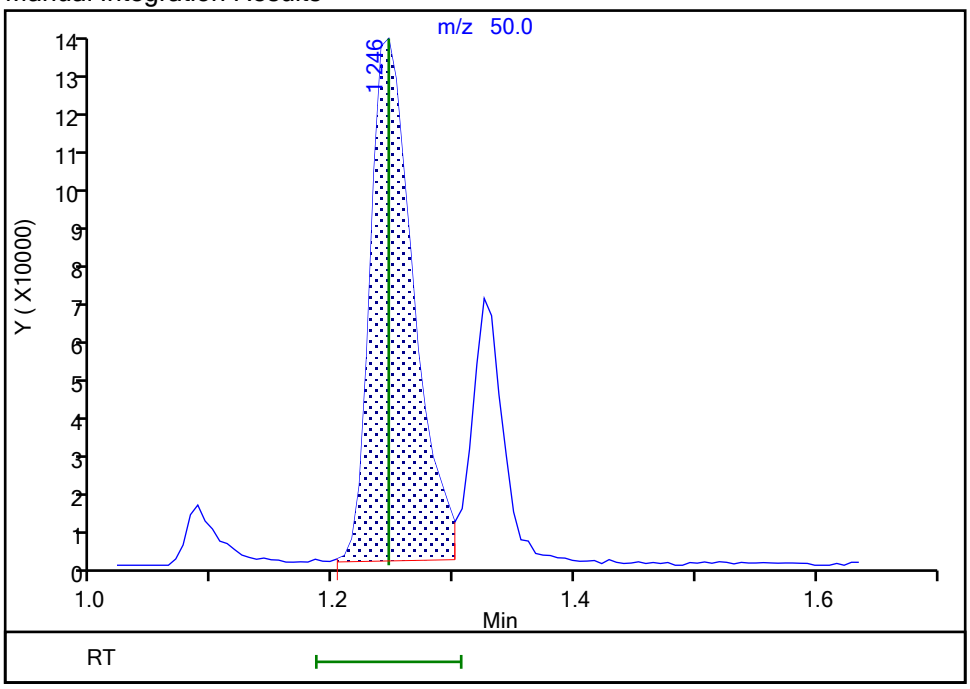
Processing Integration Results

RT: 1.25
Area: 474009
Amount: 30.205236
Amount Units: ug/L



Manual Integration Results

RT: 1.25
Area: 344038
Amount: 21.923105
Amount Units: ug/L



Reviewer: HillL, 15-Sep-2021 10:47:05
Audit Action: Manually Integrated Audit Reason: Poor chromatography

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: CCVIS 480-601826/3 Calibration Date: 10/25/2021 12:01

Instrument ID: HP5973S Calib Start Date: 09/14/2021 17:37

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 09/14/2021 20:20

Lab File ID: S5319.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.779	1.822	0.1000	25.6	25.0	2.4	50.0
Chloromethane	Ave	2.351	2.770	0.1000	29.5	25.0	17.8	20.0
Vinyl chloride	Ave	2.134	2.601	0.1000	30.5	25.0	21.9*	20.0
Butadiene	Ave	2.523	2.892		28.7	25.0	14.6	20.0
Bromomethane	Ave	1.433	1.416	0.1000	24.7	25.0	-1.2	50.0
Chloroethane	Ave	1.485	1.566	0.1000	26.4	25.0	5.5	50.0
Dichlorofluoromethane	Ave	3.077	2.271		18.5	25.0	-26.2*	20.0
Trichlorofluoromethane	Ave	2.620	2.146	0.1000	20.5	25.0	-18.1	20.0
Ethyl ether	Ave	1.796	1.195		16.6	25.0	-33.5*	20.0
Acrolein	Ave	0.1299	0.0683		65.7	125	-47.4	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.419	1.137	0.1000	20.0	25.0	-19.8	20.0
1,1-Dichloroethene	Ave	1.521	1.063	0.1000	17.5	25.0	-30.1*	20.0
Acetone	Ave	0.7694	0.6883	0.1000	112	125	-10.5	50.0
Iodomethane	Ave	2.719	2.273		20.9	25.0	-16.4	20.0
Carbon disulfide	Ave	4.887	4.365	0.1000	22.3	25.0	-10.7	20.0
Allyl chloride	Ave	2.998	2.804		23.4	25.0	-6.5	20.0
Methyl acetate	Ave	2.026	1.843	0.1000	45.5	50.0	-9.0	50.0
Methylene Chloride	Lin1		1.964	0.1000	27.7	25.0	10.9	20.0
2-Methyl-2-propanol	Ave	0.2395	0.2140		223	250	-10.7	50.0
Methyl tert-butyl ether	Ave	5.484	5.378	0.1000	24.5	25.0	-1.9	20.0
trans-1,2-Dichloroethene	Ave	1.714	1.893	0.1000	27.6	25.0	10.5	20.0
Acrylonitrile	Ave	1.049	1.068		254	250	1.8	20.0
Hexane	Ave	2.599	3.619		34.8	25.0	39.2*	20.0
1,1-Dichloroethane	Ave	3.142	3.574	0.2000	28.4	25.0	13.7	20.0
Vinyl acetate	Ave	4.152	4.425		53.3	50.0	6.6	20.0
2,2-Dichloropropane	Ave	1.596	1.678		26.3	25.0	5.1	20.0
cis-1,2-Dichloroethene	Ave	1.852	2.069	0.1000	27.9	25.0	11.7	20.0
2-Butanone (MEK)	Ave	1.175	1.356	0.1000	144	125	15.5	20.0
Chlorobromomethane	Ave	0.9936	1.062		26.7	25.0	6.9	20.0
Tetrahydrofuran	Ave	0.8718	0.8548		49.0	50.0	-2.0	20.0
Chloroform	Ave	3.114	3.138	0.2000	25.2	25.0	0.8	20.0
1,1,1-Trichloroethane	Ave	2.460	2.667	0.1000	27.1	25.0	8.4	20.0
Cyclohexane	Ave	3.206	4.243	0.1000	33.1	25.0	32.3*	20.0
Carbon tetrachloride	Ave	2.159	2.303	0.1000	26.7	25.0	6.7	20.0
1,1-Dichloropropene	Ave	2.159	2.699		31.2	25.0	25.0*	20.0
Benzene	Ave	6.681	8.076	0.5000	30.2	25.0	20.9*	20.0
Isobutyl alcohol	Ave	0.0820	0.0963		735	625	17.5	50.0
1,2-Dichloroethane	Ave	2.535	2.560	0.1000	25.2	25.0	1.0	20.0
n-Heptane	Ave	2.950	3.760		31.9	25.0	27.4*	20.0
Trichloroethene	Ave	1.599	1.889	0.2000	29.5	25.0	18.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: CCVIS 480-601826/3 Calibration Date: 10/25/2021 12:01

Instrument ID: HP5973S Calib Start Date: 09/14/2021 17:37

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 09/14/2021 20:20

Lab File ID: S5319.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.919	3.807	0.1000	32.6	25.0	30.5*	20.0
1,2-Dichloropropane	Ave	1.698	2.077	0.1000	30.6	25.0	22.3*	20.0
Dibromomethane	Ave	1.057	1.153	0.1000	27.3	25.0	9.1	20.0
1,4-Dioxane	Lin1		0.0124		562	500	12.4	50.0
Bromodichloromethane	Ave	1.951	2.162	0.2000	27.7	25.0	10.8	20.0
2-Chloroethyl vinyl ether	Ave	1.175	1.337		28.4	25.0	13.8	20.0
cis-1,3-Dichloropropene	Ave	2.518	3.013	0.2000	29.9	25.0	19.7	20.0
4-Methyl-2-pentanone (MIBK)	Ave	1.264	1.290	0.1000	128	125	2.1	20.0
Toluene	Ave	2.023	2.466	0.4000	30.5	25.0	21.9*	20.0
trans-1,3-Dichloropropene	Ave	1.166	1.343	0.1000	28.8	25.0	15.1	20.0
Ethyl methacrylate	Ave	1.006	1.247		31.0	25.0	24.0*	20.0
1,1,2-Trichloroethane	Ave	0.6255	0.7029	0.1000	28.1	25.0	12.4	20.0
Tetrachloroethene	Ave	0.8789	1.119	0.2000	31.8	25.0	27.3*	20.0
1,3-Dichloropropane	Ave	1.287	1.493		29.0	25.0	16.0	20.0
2-Hexanone	Ave	0.8479	0.9451	0.1000	139	125	11.5	20.0
Dibromochloromethane	Ave	0.7357	0.8012	0.1000	27.2	25.0	8.9	20.0
1,2-Dibromoethane	Ave	0.7815	0.8762		28.0	25.0	12.1	20.0
Chlorobenzene	Ave	2.308	2.763	0.5000	29.9	25.0	19.7	20.0
Ethylbenzene	Ave	3.803	4.560	0.1000	30.0	25.0	19.9	20.0
1,1,1,2-Tetrachloroethane	Ave	0.8349	0.9065		27.1	25.0	8.6	20.0
m-Xylene & p-Xylene	Ave	1.542	1.866	0.1000	30.3	25.0	21.0*	20.0
o-Xylene	Ave	1.525	1.794	0.3000	29.4	25.0	17.7	20.0
Styrene	Ave	2.506	3.019	0.3000	30.1	25.0	20.5*	20.0
Bromoform	Ave	0.5117	0.5145	0.1000	25.1	25.0	0.5	50.0
Isopropylbenzene	Ave	3.798	4.197	0.1000	27.6	25.0	10.5	20.0
Bromobenzene	Ave	0.9692	1.050		27.1	25.0	8.4	20.0
1,1,2,2-Tetrachloroethane	Ave	1.041	1.050	0.3000	25.2	25.0	0.8	20.0
N-Propylbenzene	Ave	4.251	4.842		28.5	25.0	13.9	20.0
1,2,3-Trichloropropane	Ave	0.3606	0.3499		24.3	25.0	-3.0	20.0
trans-1,4-Dichloro-2-butene	Lin1		0.3271		23.1	25.0	-7.4	50.0
2-Chlorotoluene	Ave	0.9259	0.9947		26.9	25.0	7.4	20.0
1,3,5-Trimethylbenzene	Ave	3.230	3.570		27.6	25.0	10.5	20.0
4-Chlorotoluene	Ave	0.9159	1.029		28.1	25.0	12.3	20.0
tert-Butylbenzene	Ave	0.7165	0.8164		28.5	25.0	14.0	20.0
1,2,4-Trimethylbenzene	Ave	3.352	3.613		27.0	25.0	7.8	20.0
sec-Butylbenzene	Ave	3.996	4.667		29.2	25.0	16.8	20.0
1,3-Dichlorobenzene	Ave	1.911	2.100	0.6000	27.5	25.0	9.9	20.0
4-Isopropyltoluene	Ave	3.568	4.026		28.2	25.0	12.8	20.0
1,4-Dichlorobenzene	Ave	1.955	2.187	0.5000	28.0	25.0	11.8	20.0
n-Butylbenzene	Ave	2.965	3.491		29.4	25.0	17.7	20.0
1,2-Dichlorobenzene	Ave	1.950	2.117	0.4000	27.1	25.0	8.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: CCVIS 480-601826/3 Calibration Date: 10/25/2021 12:01

Instrument ID: HP5973S Calib Start Date: 09/14/2021 17:37

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 09/14/2021 20:20

Lab File ID: S5319.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.2122	0.1795	0.0500	21.1	25.0	-15.4	50.0
1,2,4-Trichlorobenzene	Ave	1.475	1.476	0.2000	25.0	25.0	0.1	20.0
Hexachlorobutadiene	Ave	0.6264	0.6707		26.8	25.0	7.1	20.0
Naphthalene	Ave	4.427	3.956		22.3	25.0	-10.6	20.0
1,2,3-Trichlorobenzene	Ave	1.459	1.412		24.2	25.0	-3.2	20.0
Dibromofluoromethane (Surr)	Ave	1.346	1.294		24.0	25.0	-3.9	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8718	0.8197		23.5	25.0	-6.0	20.0
Toluene-d8 (Surr)	Ave	2.530	2.626		26.0	25.0	3.8	20.0
4-Bromofluorobenzene (Surr)	Ave	0.8445	0.8521		25.2	25.0	0.9	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S5319.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 25-Oct-2021 12:01:30 ALS Bottle#: 5 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0101887-003
Operator ID: AG/WD Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Oct-2021 12:22:33 Calib Date: 15-Sep-2021 00:35:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3517.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1615

First Level Reviewer: gruninga Date: 25-Oct-2021 12:22:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.999	0.000	98	137329	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.962	7.962	0.000	84	284280	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.396	10.396	0.000	57	324532	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.428	4.428	0.000	60	177741	25.0	24.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.732	4.732	0.000	45	112574	25.0	23.5	
$ 5 Toluene-d8 (Surr)	98	6.496	6.496	0.000	59	746613	25.0	26.0	
$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.221	0.000	94	242248	25.0	25.2	
10 Dichlorodifluoromethane	85	1.082	1.082	0.000	85	250212	25.0	25.6	
12 Chloromethane	50	1.240	1.240	0.000	89	380358	25.0	29.5	
13 Vinyl chloride	62	1.313	1.313	0.000	73	357218	25.0	30.5	
151 Butadiene	54	1.325	1.325	0.000	63	397124	25.0	28.7	
14 Bromomethane	94	1.580	1.580	0.000	89	194509	25.0	24.7	
15 Chloroethane	64	1.647	1.647	0.000	94	215065	25.0	26.4	
16 Dichlorofluoromethane	67	1.848	1.848	0.000	80	311836	25.0	18.5	
17 Trichlorofluoromethane	101	1.848	1.848	0.000	72	294733	25.0	20.5	
18 Ethyl ether	59	2.091	2.091	0.000	95	164042	25.0	16.6	
20 Acrolein	56	2.268	2.268	0.000	93	46923	125.0	65.7	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.298	2.298	0.000	71	156211	25.0	20.0	
22 1,1-Dichloroethene	96	2.310	2.310	0.000	87	145924	25.0	17.5	
23 Acetone	43	2.414	2.414	0.000	100	472648	125.0	111.8	
25 Iodomethane	142	2.469	2.469	0.000	96	312137	25.0	20.9	
26 Carbon disulfide	76	2.493	2.493	0.000	97	599427	25.0	22.3	
28 3-Chloro-1-propene	41	2.651	2.651	0.000	90	385082	25.0	23.4	
27 Methyl acetate	43	2.700	2.700	0.000	96	506169	50.0	45.5	
30 Methylene Chloride	84	2.809	2.809	0.000	93	269682	25.0	27.7	
31 2-Methyl-2-propanol	59	2.974	2.974	0.000	79	293856	250.0	223.3	
32 Methyl tert-butyl ether	73	2.992	2.992	0.000	93	738600	25.0	24.5	
34 trans-1,2-Dichloroethene	96	3.010	3.010	0.000	92	260006	25.0	27.6	
33 Acrylonitrile	53	3.071	3.071	0.000	99	1466057	250.0	254.4	
35 Hexane	57	3.199	3.199	0.000	91	496960	25.0	34.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.418	3.418	0.000	85	490808	25.0	28.4	
37 Vinyl acetate	43	3.478	3.478	0.000	97	1215332	50.0	53.3	
44 2,2-Dichloropropane	77	3.923	3.923	0.000	90	230486	25.0	26.3	
45 cis-1,2-Dichloroethene	96	3.959	3.959	0.000	67	284144	25.0	27.9	
43 2-Butanone (MEK)	43	4.002	4.002	0.000	98	931291	125.0	144.3	
48 Chlorobromomethane	128	4.196	4.196	0.000	96	145892	25.0	26.7	
49 Tetrahydrofuran	42	4.209	4.209	0.000	91	234766	50.0	49.0	
50 Chloroform	83	4.275	4.275	0.000	80	430996	25.0	25.2	
51 1,1,1-Trichloroethane	97	4.373	4.373	0.000	71	366278	25.0	27.1	
52 Cyclohexane	56	4.379	4.379	0.000	92	582632	25.0	33.1	
55 Carbon tetrachloride	117	4.507	4.507	0.000	85	316229	25.0	26.7	
54 1,1-Dichloropropene	75	4.525	4.525	0.000	93	370602	25.0	31.2	
57 Benzene	78	4.726	4.726	0.000	97	1109087	25.0	30.2	
53 Isobutyl alcohol	43	4.780	4.780	0.000	62	330724	625.0	734.6	
58 1,2-Dichloroethane	62	4.799	4.799	0.000	73	351584	25.0	25.2	
59 n-Heptane	43	4.914	4.914	0.000	93	516382	25.0	31.9	
62 Trichloroethene	95	5.334	5.334	0.000	96	259430	25.0	29.5	
64 Methylcyclohexane	83	5.443	5.443	0.000	93	522861	25.0	32.6	
65 1,2-Dichloropropane	63	5.571	5.571	0.000	95	285241	25.0	30.6	
67 Dibromomethane	93	5.711	5.711	0.000	86	158295	25.0	27.3	
66 1,4-Dioxane	88	5.723	5.723	0.000	60	70335	500.0	562.2	
68 Dichlorobromomethane	83	5.869	5.869	0.000	93	296886	25.0	27.7	
69 2-Chloroethyl vinyl ether	63	6.155	6.155	0.000	92	183629	25.0	28.4	
72 cis-1,3-Dichloropropene	75	6.283	6.283	0.000	90	413810	25.0	29.9	
73 4-Methyl-2-pentanone (MIBK)	43	6.435	6.435	0.000	97	1833562	125.0	127.6	
74 Toluene	92	6.557	6.557	0.000	95	700911	25.0	30.5	
77 trans-1,3-Dichloropropene	75	6.849	6.849	0.000	91	381745	25.0	28.8	
75 Ethyl methacrylate	69	6.904	6.904	0.000	73	354616	25.0	31.0	
79 1,1,2-Trichloroethane	83	7.037	7.037	0.000	86	199820	25.0	28.1	
81 Tetrachloroethene	166	7.080	7.080	0.000	83	317976	25.0	31.8	
82 1,3-Dichloropropane	76	7.196	7.196	0.000	92	424354	25.0	29.0	
80 2-Hexanone	43	7.269	7.269	0.000	97	1343350	125.0	139.3	
83 Chlorodibromomethane	129	7.427	7.427	0.000	89	227762	25.0	27.2	
84 Ethylene Dibromide	107	7.518	7.518	0.000	97	249099	25.0	28.0	
87 Chlorobenzene	112	7.993	7.993	0.000	95	785350	25.0	29.9	
88 Ethylbenzene	91	8.090	8.090	0.000	98	1296319	25.0	30.0	
89 1,1,1,2-Tetrachloroethane	131	8.096	8.096	0.000	42	257699	25.0	27.1	
90 m-Xylene & p-Xylene	106	8.212	8.212	0.000	98	530524	25.0	30.3	
91 o-Xylene	106	8.631	8.631	0.000	97	510105	25.0	29.4	
92 Styrene	104	8.668	8.668	0.000	90	858319	25.0	30.1	
95 Bromoform	173	8.911	8.911	0.000	98	146253	25.0	25.1	
94 Isopropylbenzene	105	9.021	9.021	0.000	95	1361976	25.0	27.6	
101 Bromobenzene	156	9.367	9.367	0.000	90	340878	25.0	27.1	
97 1,1,2,2-Tetrachloroethane	83	9.453	9.453	0.000	55	340643	25.0	25.2	
99 N-Propylbenzene	91	9.465	9.465	0.000	98	1571308	25.0	28.5	
100 1,2,3-Trichloropropane	110	9.477	9.477	0.000	64	113547	25.0	24.3	
98 trans-1,4-Dichloro-2-butene	53	9.495	9.495	0.000	84	106149	25.0	23.1	
103 2-Chlorotoluene	126	9.562	9.562	0.000	97	322823	25.0	26.9	
102 1,3,5-Trimethylbenzene	105	9.653	9.653	0.000	93	1158519	25.0	27.6	
105 4-Chlorotoluene	126	9.684	9.684	0.000	97	333835	25.0	28.1	
106 tert-Butylbenzene	134	9.976	9.976	0.000	90	264955	25.0	28.5	
107 1,2,4-Trimethylbenzene	105	10.031	10.031	0.000	77	1172662	25.0	27.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.195	10.195	0.000	93	1514521	25.0	29.2	
111 1,3-Dichlorobenzene	146	10.323	10.323	0.000	98	681596	25.0	27.5	
110 4-Isopropyltoluene	119	10.341	10.341	0.000	97	1306500	25.0	28.2	
113 1,4-Dichlorobenzene	146	10.414	10.414	0.000	95	709624	25.0	28.0	
115 n-Butylbenzene	91	10.736	10.736	0.000	95	1133044	25.0	29.4	
116 1,2-Dichlorobenzene	146	10.773	10.773	0.000	98	686884	25.0	27.1	
117 1,2-Dibromo-3-Chloropropane	75	11.521	11.521	0.000	84	58252	25.0	21.1	
119 1,2,4-Trichlorobenzene	180	12.196	12.196	0.000	95	479137	25.0	25.0	
120 Hexachlorobutadiene	225	12.312	12.312	0.000	92	217670	25.0	26.8	
121 Naphthalene	128	12.409	12.409	0.000	96	1283748	25.0	22.3	
122 1,2,3-Trichlorobenzene	180	12.610	12.610	0.000	95	458197	25.0	24.2	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00215	Amount Added: 12.50	Units: uL	
GAS CORP mix_00477	Amount Added: 12.50	Units: uL	
S_8260_IS_00351	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00403	Amount Added: 1.00	Units: uL	Run Reagent

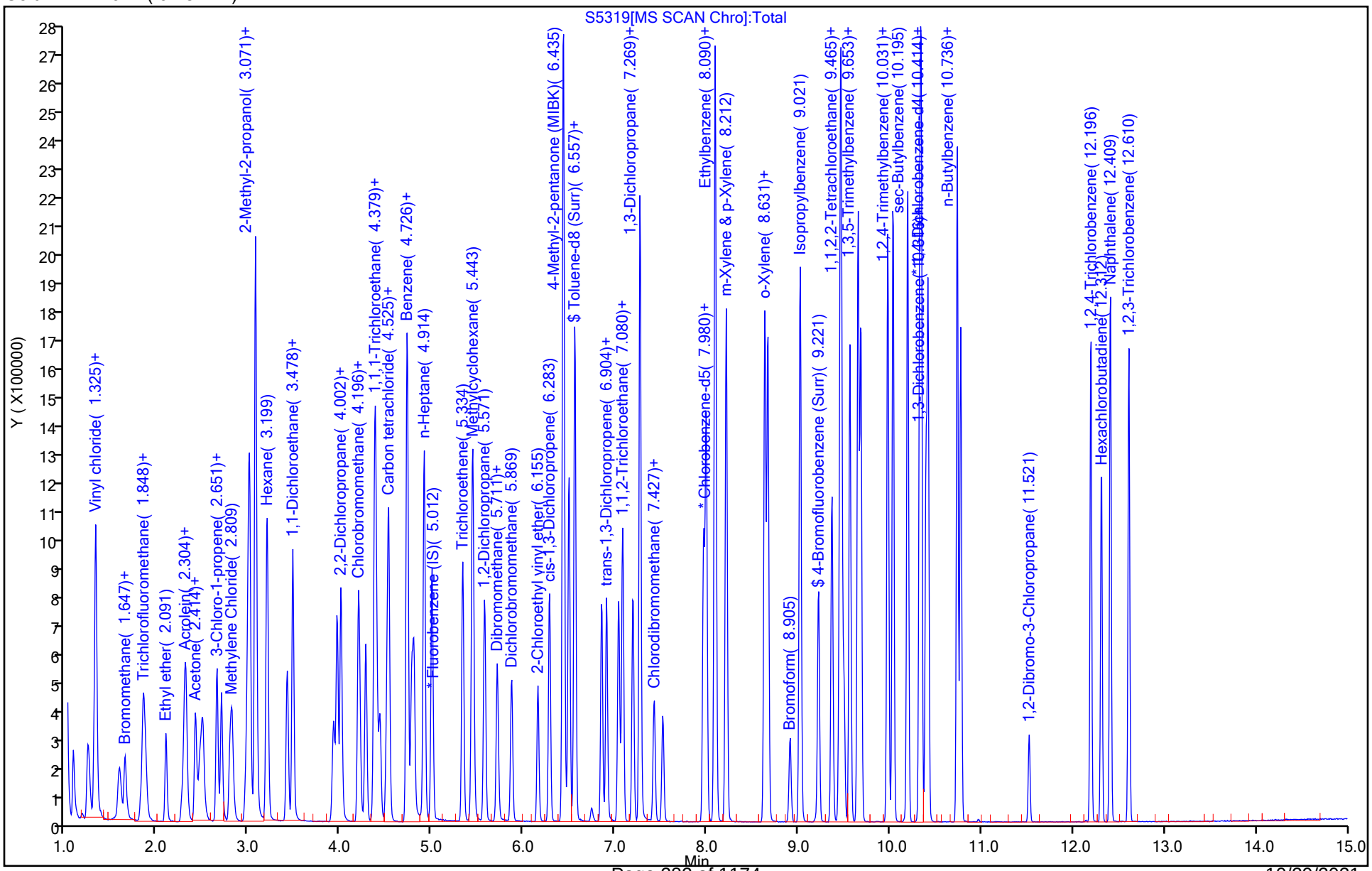
Report Date: 25-Oct-2021 12:22:34 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S5319.D

Injection Date:	25-Oct-2021 12:01:30	Instrument ID:	HP5973S	Operator ID:	AG/WD
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3497.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	14-Sep-2021 16:49:30	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0100971-002				
Operator ID:	wd	Instrument ID:	HP5973S		
Method:	\\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	15-Sep-2021 10:52:17	Calib Date:	15-Sep-2021 00:35:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3517.D				
Column 1 :	ZB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1643				
First Level Reviewer: dahnw		Date:	14-Sep-2021 16:58:04		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	3.376	3.376	0.000	0	326841	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

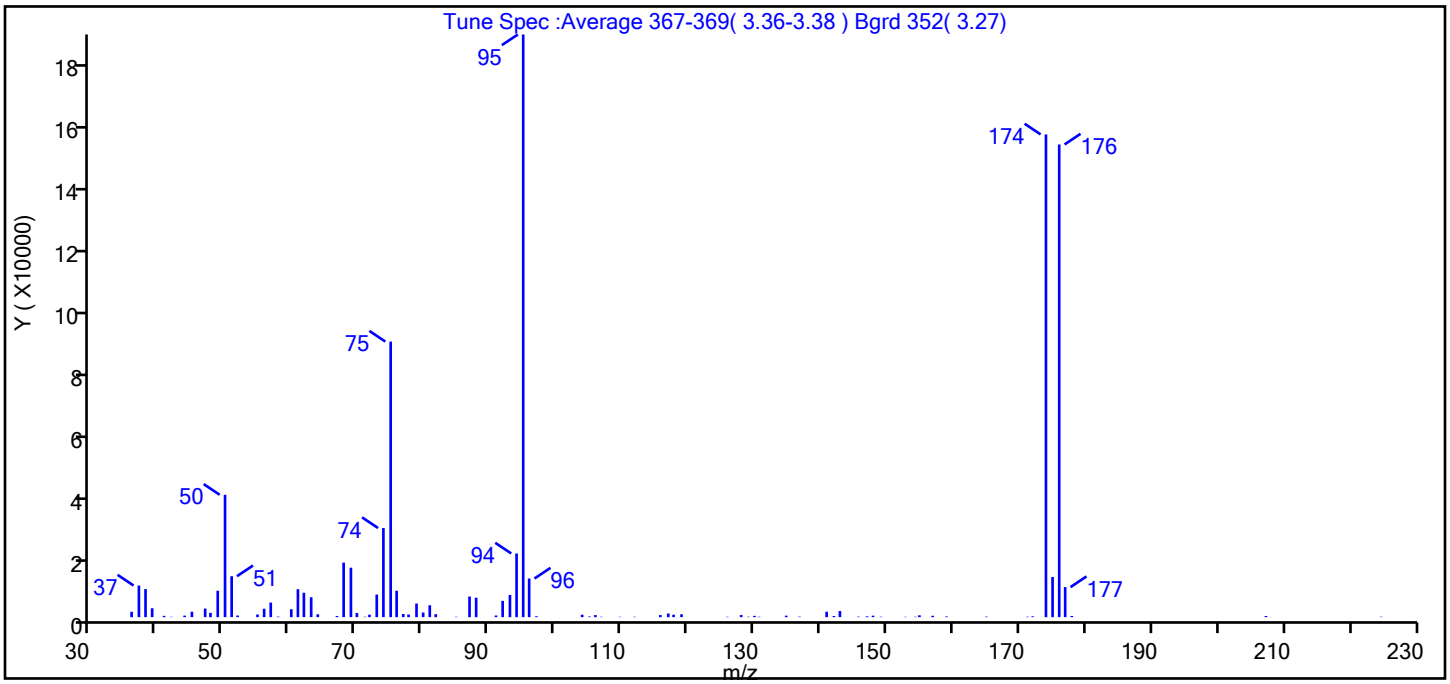
BFB_WRK_00126 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3497.D
Injection Date: 14-Sep-2021 16:49:30 Instrument ID: HP5973S
Lims ID: BFB
Client ID:
Operator ID: wd ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	21.0
75	30 to 60% of m/z 95	47.3
96	5 to 9% of m/z 95	6.6
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	82.8
175	5 to 9% of m/z 174	6.9 (8.3)
176	Greater than 95% but less than 101% of m/z 174	81.1 (97.9)
177	5 to 9% of m/z 176	5.2 (6.4)

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3497.D\S-8260.rslt\spectra.d
Injection Date: 14-Sep-2021 16:49:30
Spectrum: Tune Spec :Average 367-369(3.36-3.38) Bgrd 352(3.27)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 88

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1748	64.00	923	93.00	7207	141.00	1760
37.00	10264	67.00	373	94.00	20672	142.00	369
38.00	9107	68.00	17712	95.00	189184	143.00	1981
39.00	2887	69.00	16063	96.00	12542	146.00	160
41.00	420	70.00	1345	97.00	307	147.00	266
42.00	118	71.00	128	104.00	791	148.00	479
44.00	497	72.00	794	105.00	211	149.00	137
45.00	1763	73.00	7339	106.00	677	153.00	117
47.00	2794	74.00	28936	107.00	123	154.00	127
48.00	1387	75.00	89472	110.00	118	155.00	598
49.00	8564	76.00	8564	112.00	125	157.00	448
50.00	39728	77.00	1019	116.00	674	159.00	229
51.00	13296	78.00	845	117.00	1183	165.00	176
52.00	527	79.00	4420	118.00	779	171.00	139
55.00	856	80.00	1499	119.00	927	172.00	265
56.00	2724	81.00	3847	126.00	130	174.00	156736
57.00	4738	82.00	953	128.00	684	175.00	13035
58.00	173	85.00	118	129.00	137	176.00	153472
60.00	2564	87.00	6702	130.00	418	177.00	9757
61.00	9082	88.00	6310	131.00	137	178.00	390
62.00	7919	91.00	541	135.00	482	207.00	382
63.00	6463	92.00	5275	137.00	161	225.00	138

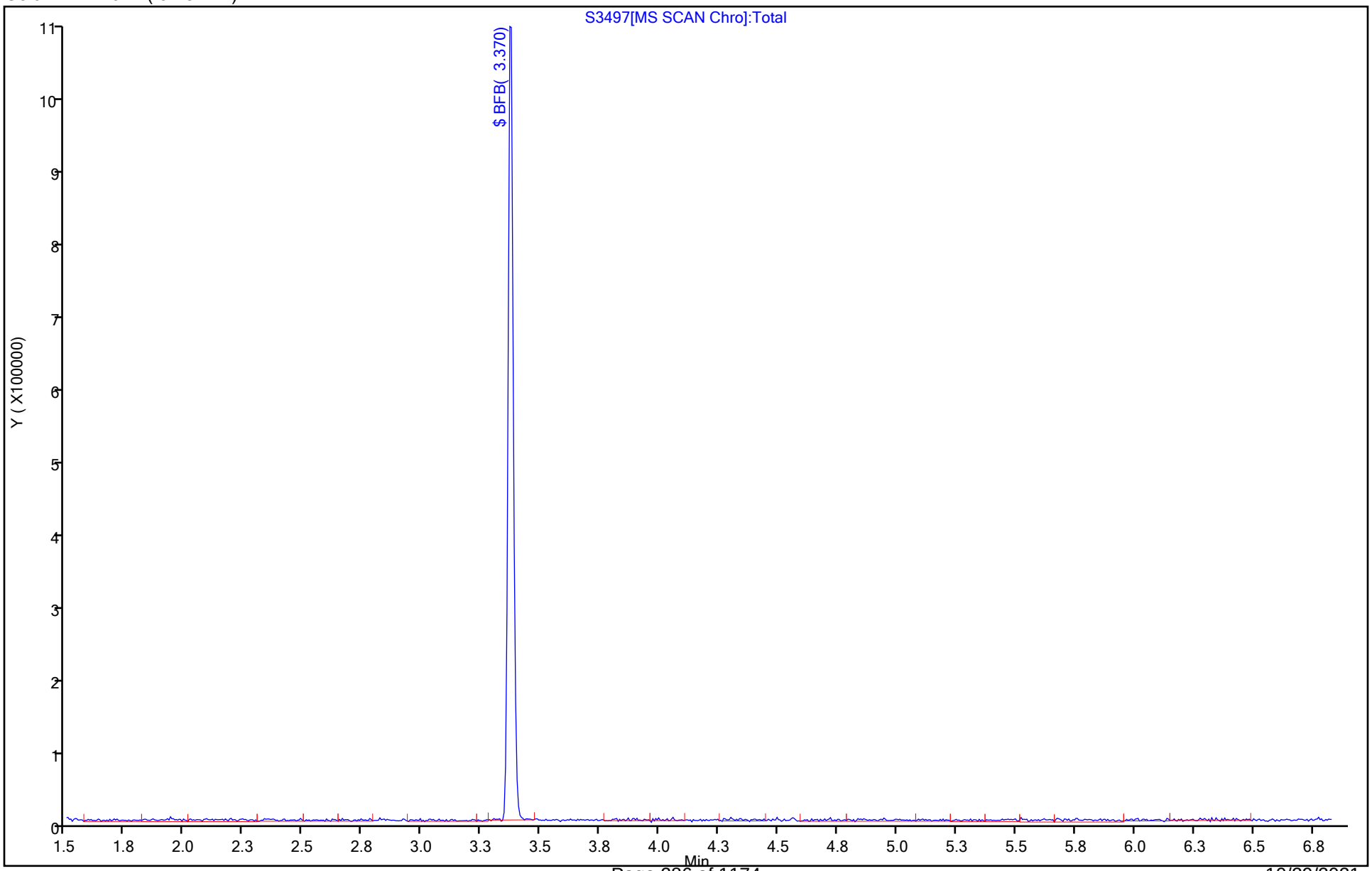
Report Date: 15-Sep-2021 10:52:17 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3497.D

Injection Date:	14-Sep-2021 16:49:30	Instrument ID:	HP5973S	Operator ID:	wd
Lims ID:	BFB			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S5318.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 25-Oct-2021 11:34:30 ALS Bottle#: 4 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0101887-002
Operator ID: AG/WD Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Oct-2021 11:43:36 Calib Date: 15-Sep-2021 00:35:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3517.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1615

First Level Reviewer: gruninga Date: 25-Oct-2021 11:43:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	3.382	3.382	0.000	0	243183	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

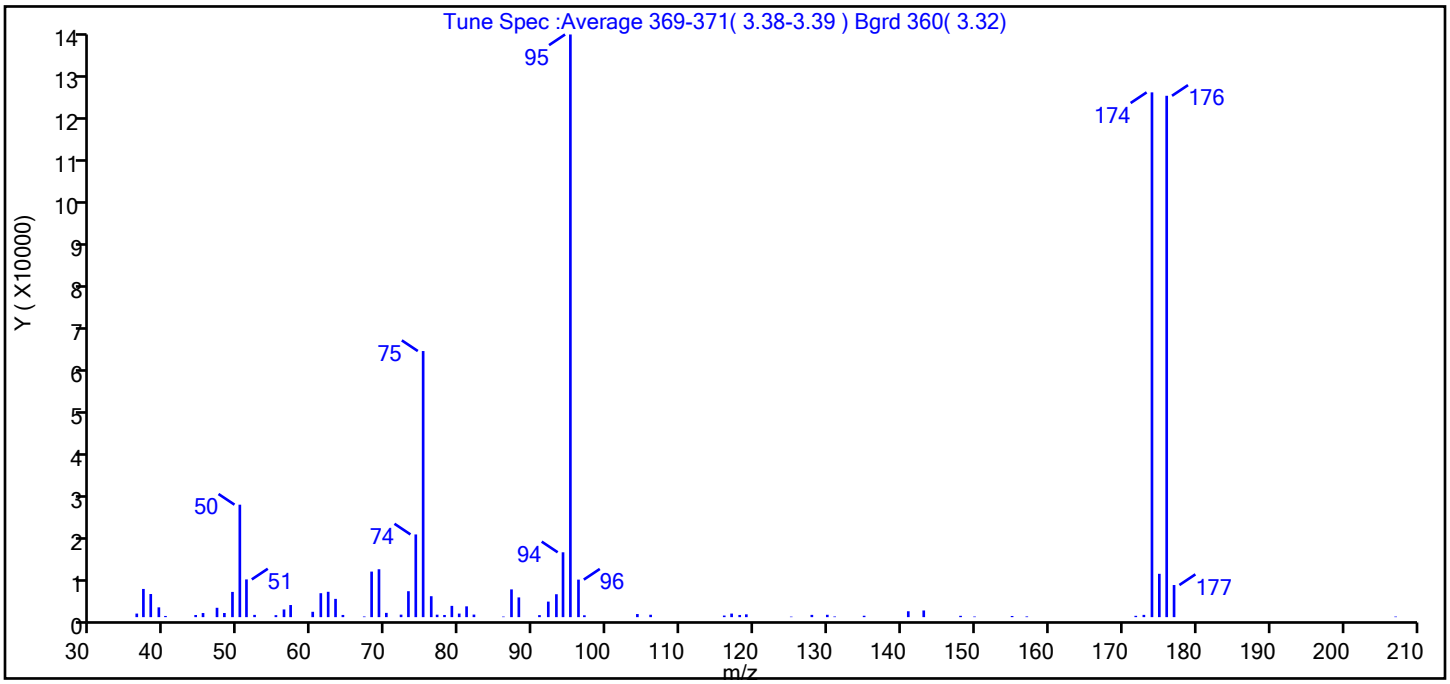
BFB_WRK_00126 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S5318.D
Injection Date: 25-Oct-2021 11:34:30 Instrument ID: HP5973S
Lims ID: BFB
Client ID:
Operator ID: AG/WD ALS Bottle#: 4 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	19.3
75	30 to 60% of m/z 95	45.7
96	5 to 9% of m/z 95	6.4
173	Less than 2% of m/z 174	0.4 (0.4)
174	50 to 120% of m/z 95	90.1
175	5 to 9% of m/z 174	7.4 (8.3)
176	Greater than 95% but less than 101% of m/z 174	89.5 (99.3)
177	5 to 9% of m/z 176	5.5 (6.2)

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S5318.D\S-8260.rslt\spectra.d
Injection Date: 25-Oct-2021 11:34:30
Spectrum: Tune Spec :Average 369-371(3.38-3.39) Bgrd 360(3.32)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 70

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	828	62.00	5874	86.00	132	130.00	547
37.00	6536	63.00	4234	87.00	6434	131.00	152
38.00	5360	64.00	509	88.00	4572	135.00	324
39.00	2270	67.00	151	91.00	469	141.00	1366
40.00	276	68.00	10556	92.00	3602	143.00	1548
44.00	493	69.00	11099	93.00	5311	148.00	308
45.00	954	70.00	990	94.00	15030	150.00	142
47.00	2169	72.00	577	95.00	135040	155.00	267
48.00	960	73.00	6012	96.00	8698	157.00	168
49.00	5848	74.00	19168	97.00	430	172.00	308
50.00	26064	75.00	61672	104.00	717	173.00	527
51.00	8745	76.00	4853	106.00	556	174.00	121624
52.00	525	77.00	571	116.00	371	175.00	10042
55.00	461	78.00	500	117.00	827	176.00	120832
56.00	1785	79.00	2612	118.00	506	177.00	7445
57.00	2808	80.00	826	119.00	649	207.00	134
60.00	1242	81.00	2505	125.00	118		
61.00	5549	82.00	595	128.00	526		

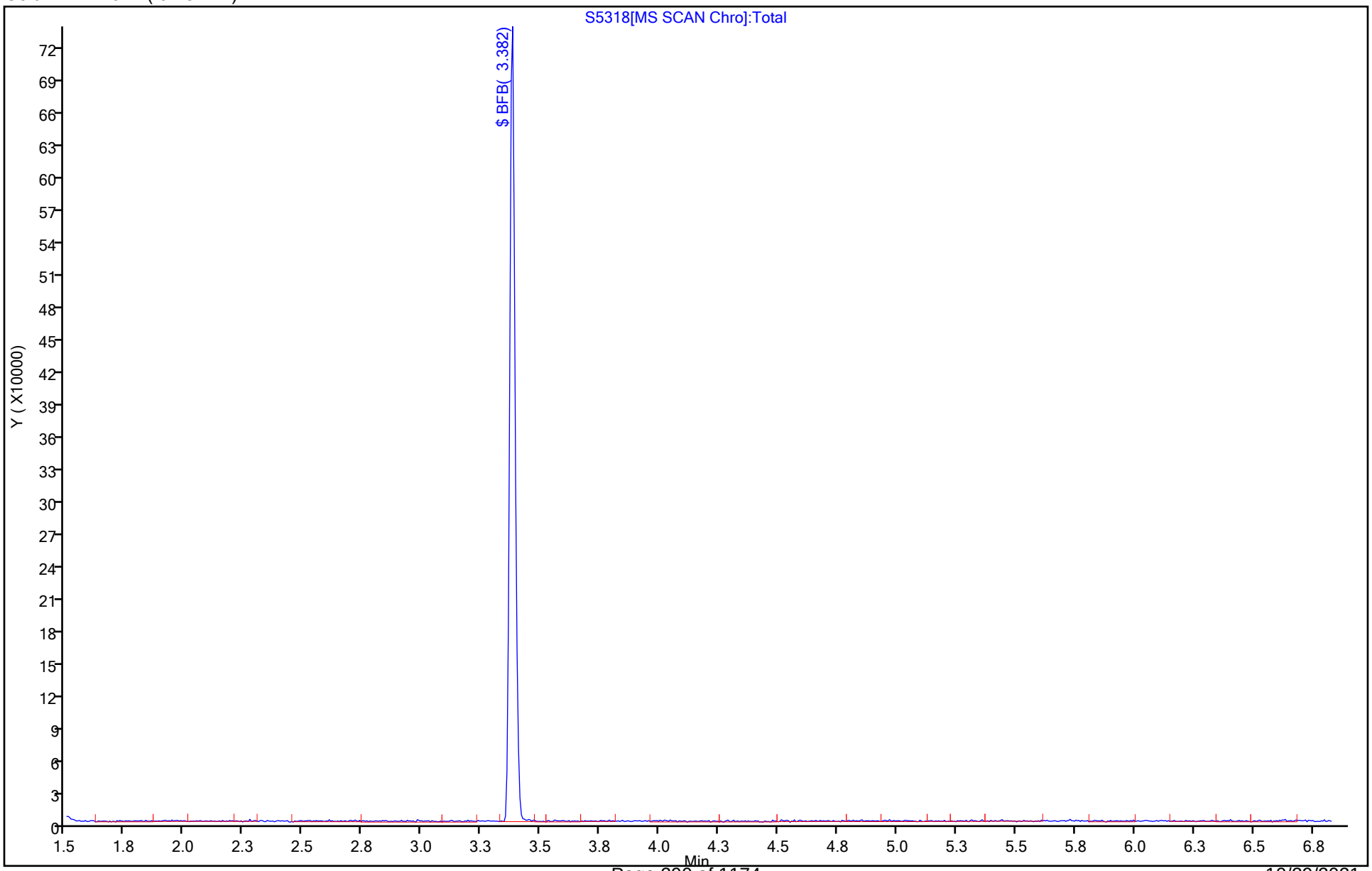
Report Date: 25-Oct-2021 11:43:36 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S5318.D

Injection Date:	25-Oct-2021 11:34:30	Instrument ID:	HP5973S	Operator ID:	AG/WD
Lims ID:	BFB			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-601826/8

Matrix: Water Lab File ID: S5323.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 10/25/2021 13:52

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 601826 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.41
108-88-3	Toluene	ND		1.0	0.51
100-41-4	Ethylbenzene	ND		1.0	0.74
179601-23-1	m-Xylene & p-Xylene	ND		2.0	0.66
95-47-6	o-Xylene	ND		1.0	0.76
1330-20-7	Xylenes, Total	ND		2.0	0.66
STL00431	Total BTEX	ND		2.0	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	101		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		77-120
460-00-4	4-Bromofluorobenzene (Surr)	95		73-120
1868-53-7	Dibromofluoromethane (Surr)	95		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S5323.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 25-Oct-2021 13:52:30 ALS Bottle#: 9 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0101887-008
Operator ID: AG/WD Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Oct-2021 14:15:20 Calib Date: 15-Sep-2021 00:35:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3517.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1680

First Level Reviewer: gruninga Date: 26-Oct-2021 14:15:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.999	0.000	99	133054	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.962	7.962	0.000	86	271086	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.395	10.396	-0.001	93	285261	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.427	4.427	-0.001	58	170636	25.0	23.8	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.732	4.732	0.000	92	106625	25.0	23.0	
$ 5 Toluene-d8 (Surr)	98	6.496	6.496	0.000	93	692374	25.0	25.2	
$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.221	0.000	93	218448	25.0	23.9	
10 Dichlorodifluoromethane	85		1.082					ND	
11 Chlorodifluoromethane	51		1.106					ND	
12 Chloromethane	50		1.240					ND	
13 Vinyl chloride	62		1.313					ND	
151 Butadiene	54		1.325					ND	
14 Bromomethane	94		1.580					ND	
15 Chloroethane	64		1.647					ND	
16 Dichlorofluoromethane	67		1.848					ND	
17 Trichlorofluoromethane	101		1.848					ND	
18 Ethyl ether	59		2.091					ND	
148 Ethanol	45		2.170					ND	
19 Propene oxide	58		2.176					ND	
20 Acrolein	56		2.268					ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.298					ND	
22 1,1-Dichloroethene	96		2.310					ND	
23 Acetone	43		2.414					ND	
25 Iodomethane	142		2.469					ND	
26 Carbon disulfide	76		2.493					ND	
24 Isopropyl alcohol	45		2.596					ND	
28 3-Chloro-1-propene	41		2.651					ND	
27 Methyl acetate	43		2.700					ND	
29 Acetonitrile	40		2.719					ND	U
30 Methylene Chloride	84		2.809					ND	7
31 2-Methyl-2-propanol	59		2.974					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73		2.992					ND	
34 trans-1,2-Dichloroethene	96		3.010					ND	
33 Acrylonitrile	53		3.071					ND	
35 Hexane	57		3.199					ND	
39 1,1-Dichloroethane	63		3.418					ND	
36 Isopropyl ether	45		3.425					ND	
40 2-Chloro-1,3-butadiene	53		3.472					ND	
37 Vinyl acetate	43		3.478					ND	
38 1,1-Dimethoxyethane	75		3.509					ND	
41 Tert-butyl ethyl ether	59		3.770					ND	
139 Halothane	117		3.822					ND	
44 2,2-Dichloropropane	77		3.923					ND	
45 cis-1,2-Dichloroethene	96		3.959					ND	
43 2-Butanone (MEK)	43		4.002					ND	
42 Ethyl acetate	43		4.038					ND	
46 Propionitrile	54		4.111					ND	
48 Chlorobromomethane	128		4.196					ND	
49 Tetrahydrofuran	42		4.209					ND	
47 Methacrylonitrile	41		4.214					ND	
50 Chloroform	83		4.275					ND	
51 1,1,1-Trichloroethane	97		4.373					ND	
52 Cyclohexane	56		4.379					ND	
55 Carbon tetrachloride	117		4.507					ND	
54 1,1-Dichloropropene	75		4.525					ND	
152 Isooctane	57		4.719					ND	
57 Benzene	78		4.726					ND	
53 Isobutyl alcohol	43		4.780					ND	
58 1,2-Dichloroethane	62		4.799					ND	
56 Tert-amyl methyl ether	73		4.811					ND	
147 t-Amyl alcohol	59		4.829					ND	
141 2,4,4-Trimethyl-1-pentene	55		4.877					ND	
59 n-Heptane	43		4.914					ND	
1 1,4-Difluorobenzene	114		5.115					ND	
140 2,4,4-Trimethyl-2-pentene	97		5.153					ND	
62 Trichloroethene	95		5.334					ND	
60 n-Butanol	56		5.401					ND	
64 Methylcyclohexane	83		5.443					ND	
142 Ethyl acrylate	55		5.474					ND	
65 1,2-Dichloropropane	63		5.571					ND	
63 Methyl methacrylate	41		5.687					ND	
67 Dibromomethane	93		5.711					ND	
66 1,4-Dioxane	88		5.723					ND	
68 Dichlorobromomethane	83		5.869					ND	
70 2-Nitropropane	43		6.125					ND	
69 2-Chloroethyl vinyl ether	63		6.155					ND	
71 Epichlorohydrin	57		6.246					ND	
72 cis-1,3-Dichloropropene	75		6.283					ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.435					ND	
74 Toluene	92		6.557					ND	
76 2-Methylthiophene	97		6.696					ND	
77 trans-1,3-Dichloropropene	75		6.849					ND	
78 3-Methylthiophene	97		6.861					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
75 Ethyl methacrylate	69		6.904					ND	
79 1,1,2-Trichloroethane	83		7.037					ND	
81 Tetrachloroethene	166		7.080					ND	
82 1,3-Dichloropropane	76		7.196					ND	
80 2-Hexanone	43		7.269					ND	
155 n-Butyl acetate	43		7.384					ND	
83 Chlorodibromomethane	129		7.427					ND	
84 Ethylene Dibromide	107		7.518					ND	
146 1-Chlorohexane	55		7.956					ND	U
85 3-Chlorobenzotrifluoride	180		7.980					ND	
87 Chlorobenzene	112		7.993					ND	
86 4-Chlorobenzotrifluoride	180		8.041					ND	
88 Ethylbenzene	91		8.090					ND	
89 1,1,1,2-Tetrachloroethane	131		8.096					ND	
90 m-Xylene & p-Xylene	106		8.212					ND	
91 o-Xylene	106		8.631					ND	
92 Styrene	104		8.668					ND	
95 Bromoform	173		8.911					ND	
93 2-Chlorobenzotrifluoride	180		8.953					ND	
94 Isopropylbenzene	105		9.021					ND	
96 Cyclohexanone	55		9.197					ND	
101 Bromobenzene	156		9.367					ND	
97 1,1,2,2-Tetrachloroethane	83		9.453					ND	
99 N-Propylbenzene	91		9.465					ND	
100 1,2,3-Trichloropropane	110		9.477					ND	
98 trans-1,4-Dichloro-2-butene	53		9.495					ND	
103 2-Chlorotoluene	126		9.562					ND	
104 3-Chlorotoluene	126		9.635					ND	
102 1,3,5-Trimethylbenzene	105		9.653					ND	
105 4-Chlorotoluene	126		9.684					ND	
106 tert-Butylbenzene	134		9.976					ND	
107 1,2,4-Trimethylbenzene	105		10.031					ND	
108 Pentachloroethane	167		10.036					ND	
109 sec-Butylbenzene	105		10.195					ND	
111 1,3-Dichlorobenzene	146		10.323					ND	
110 4-Isopropyltoluene	119		10.341					ND	
114 Dicyclopentadiene	66		10.389					ND	
113 1,4-Dichlorobenzene	146		10.414					ND	
112 1,2,3-Trimethylbenzene	105		10.450					ND	
150 Benzyl chloride	126		10.572					ND	
115 n-Butylbenzene	91		10.736					ND	
116 1,2-Dichlorobenzene	146		10.773					ND	
117 1,2-Dibromo-3-Chloropropane	75		11.521					ND	
118 1,3,5-Trichlorobenzene	180		11.648					ND	
119 1,2,4-Trichlorobenzene	180		12.196					ND	
120 Hexachlorobutadiene	225		12.312					ND	
121 Naphthalene	128		12.409					ND	
122 1,2,3-Trichlorobenzene	180		12.610					ND	
149 2-Methylnaphthalene	142		13.321					ND	U
136 Nitrobenzene	77		0.000					ND	
137 Methyl acrylate	1		0.000					ND	
138 cis-1,4-Dichloro-2-butene	88		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
135 Hexachloroethane	117		0.000					ND	
144 1-Bromopropane TIC	1		0.000					ND	
145 Ethylene oxide TIC	1		0.000					ND	
143 Propene oxide TIC	1		0.000					ND	
134 Pentachloroethane TIC	1		0.000					ND	
S 123 Total BTEX	1		30.000					ND	7
S 126 1,3-Dichloropropene, Total	1		30.000					ND	7
S 125 1,2-Dichloroethene, Total	1		30.000					ND	7
S 124 Xylenes, Total	1		30.000					ND	7
S 157 Trihalomethanes, Total	1		0.000					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

S_8260_IS_00351	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00403	Amount Added:	1.00	Units: uL	Run Reagent

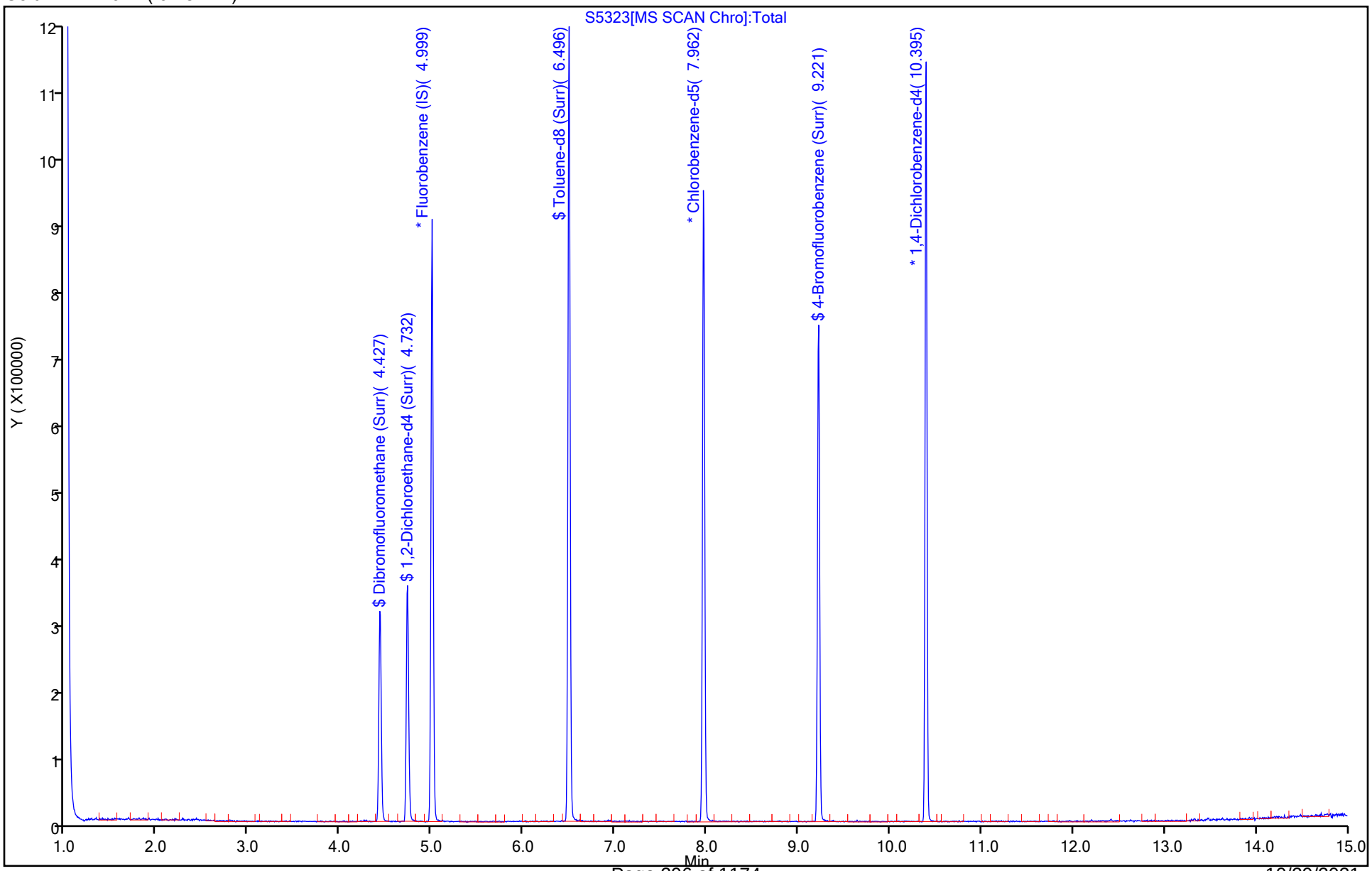
Report Date: 26-Oct-2021 14:15:20 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S5323.D

Injection Date:	25-Oct-2021 13:52:30	Instrument ID:	HP5973S	Operator ID:	AG/WD
Lims ID:	MB			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-601826/6

Matrix: Water Lab File ID: S5321.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 10/25/2021 12:47

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 601826 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	28.6		1.0	0.41
108-88-3	Toluene	29.3		1.0	0.51
100-41-4	Ethylbenzene	28.6		1.0	0.74
179601-23-1	m-Xylene & p-Xylene	28.9		2.0	0.66
95-47-6	o-Xylene	28.9		1.0	0.76
1330-20-7	Xylenes, Total	57.8		2.0	0.66
STL00431	Total BTEX	144		2.0	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	102		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
1868-53-7	Dibromofluoromethane (Surr)	98		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S5321.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 25-Oct-2021 12:47:30 ALS Bottle#: 7 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0101887-006
Operator ID: AG/WD Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Oct-2021 11:03:56 Calib Date: 15-Sep-2021 00:35:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3517.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1615

First Level Reviewer: gruninga Date: 25-Oct-2021 13:12:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.999	0.000	99	138226	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.962	7.962	0.000	84	281708	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.395	10.396	-0.001	55	307856	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.427	4.427	-0.001	58	183193	25.0	24.6	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.732	4.732	0.000	46	111851	25.0	23.2	
$ 5 Toluene-d8 (Surr)	98	6.496	6.496	0.000	58	726911	25.0	25.5	
$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.221	0.000	94	236434	25.0	24.8	
10 Dichlorodifluoromethane	85	1.081	1.082	-0.001	87	220479	25.0	22.4	
12 Chloromethane	50	1.240	1.240	0.000	88	359778	25.0	27.7	
13 Vinyl chloride	62	1.313	1.313	0.000	74	334233	25.0	28.3	
151 Butadiene	54	1.325	1.325	0.000	71	406448	25.0	29.1	
14 Bromomethane	94	1.586	1.580	0.006	90	191774	25.0	24.2	
15 Chloroethane	64	1.647	1.647	0.000	99	201741	25.0	24.6	
16 Dichlorofluoromethane	67	1.842	1.848	-0.006	80	390157	25.0	22.9	
17 Trichlorofluoromethane	101	1.848	1.848	0.000	71	333702	25.0	23.0	
18 Ethyl ether	59	2.091	2.091	0.000	96	204823	25.0	20.6	
20 Acrolein	56	2.262	2.268	-0.006	95	60998	125.0	84.9	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.298	2.298	0.000	69	196352	25.0	25.0	
22 1,1-Dichloroethene	96	2.310	2.310	0.000	88	182289	25.0	21.7	
23 Acetone	43	2.414	2.414	0.000	100	507955	125.0	119.4	
25 Iodomethane	142	2.462	2.469	-0.007	97	320282	25.0	21.3	
26 Carbon disulfide	76	2.493	2.493	0.000	98	647227	25.0	24.0	
28 3-Chloro-1-propene	41	2.651	2.651	0.000	90	427173	25.0	25.8	
27 Methyl acetate	43	2.700	2.700	0.000	96	513687	50.0	45.9	
30 Methylene Chloride	84	2.803	2.809	-0.006	97	266465	25.0	27.2	
31 2-Methyl-2-propanol	59	2.973	2.974	-0.001	81	307633	250.0	232.3	
32 Methyl tert-butyl ether	73	2.992	2.992	0.000	93	743835	25.0	24.5	
34 trans-1,2-Dichloroethene	96	3.010	3.010	0.000	93	248542	25.0	26.2	
33 Acrylonitrile	53	3.071	3.071	0.000	99	1444195	250.0	249.0	
35 Hexane	57	3.198	3.199	-0.001	92	465625	25.0	32.4	
39 1,1-Dichloroethane	63	3.417	3.418	-0.001	85	473331	25.0	27.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	3.478	3.478	0.000	97	1230727	50.0	53.6	
44 2,2-Dichloropropane	77	3.922	3.923	-0.001	93	236443	25.0	26.8	
45 cis-1,2-Dichloroethene	96	3.965	3.959	0.006	67	274155	25.0	26.8	
43 2-Butanone (MEK)	43	4.002	4.002	0.000	98	887798	125.0	136.7	
48 Chlorobromomethane	128	4.190	4.196	-0.006	93	143840	25.0	26.2	
49 Tetrahydrofuran	42	4.208	4.209	-0.001	90	230405	50.0	47.8	
50 Chloroform	83	4.275	4.275	0.000	80	410711	25.0	23.9	
51 1,1,1-Trichloroethane	97	4.379	4.373	0.006	70	349431	25.0	25.7	
52 Cyclohexane	56	4.379	4.379	0.000	91	547769	25.0	30.9	
55 Carbon tetrachloride	117	4.506	4.507	-0.001	80	290269	25.0	24.3	
54 1,1-Dichloropropene	75	4.525	4.525	0.000	94	343664	25.0	28.8	
57 Benzene	78	4.725	4.726	-0.001	97	1056937	25.0	28.6	
53 Isobutyl alcohol	43	4.780	4.780	0.000	62	354727	625.0	782.8	
58 1,2-Dichloroethane	62	4.798	4.799	-0.001	72	349709	25.0	24.9	
59 n-Heptane	43	4.914	4.914	0.000	93	472645	25.0	29.0	
62 Trichloroethene	95	5.334	5.334	0.000	92	253872	25.0	28.7	
64 Methylcyclohexane	83	5.443	5.443	0.000	93	490102	25.0	30.4	
65 1,2-Dichloropropane	63	5.571	5.571	0.000	95	275443	25.0	29.3	
67 Dibromomethane	93	5.711	5.711	0.000	87	155448	25.0	26.6	
66 1,4-Dioxane	88	5.723	5.723	0.000	55	60717	500.0	490.7	
68 Dichlorobromomethane	83	5.869	5.869	0.000	92	291619	25.0	27.0	
69 2-Chloroethyl vinyl ether	63	6.155	6.155	0.000	92	182959	25.0	28.2	
72 cis-1,3-Dichloropropene	75	6.283	6.283	0.000	90	413811	25.0	29.7	
73 4-Methyl-2-pentanone (MIBK)	43	6.435	6.435	0.000	96	1784856	125.0	125.3	
74 Toluene	92	6.557	6.557	0.000	95	667013	25.0	29.3	
77 trans-1,3-Dichloropropene	75	6.849	6.849	0.000	91	369972	25.0	28.2	
75 Ethyl methacrylate	69	6.903	6.903	-0.001	73	340653	25.0	30.0	
79 1,1,2-Trichloroethane	83	7.037	7.037	0.000	92	192608	25.0	27.3	
81 Tetrachloroethene	166	7.080	7.080	0.000	84	301024	25.0	30.4	
82 1,3-Dichloropropane	76	7.189	7.195	-0.007	93	409800	25.0	28.3	
80 2-Hexanone	43	7.268	7.268	-0.001	97	1316996	125.0	137.8	
83 Chlorodibromomethane	129	7.427	7.427	0.000	87	220956	25.0	26.7	
84 Ethylene Dibromide	107	7.518	7.518	0.000	97	245511	25.0	27.9	
87 Chlorobenzene	112	7.992	7.992	0.000	95	762559	25.0	29.3	
88 Ethylbenzene	91	8.090	8.090	0.000	98	1223807	25.0	28.6	
89 1,1,1,2-Tetrachloroethane	131	8.096	8.096	0.000	42	253982	25.0	27.0	
90 m-Xylene & p-Xylene	106	8.211	8.211	-0.001	98	502267	25.0	28.9	
91 o-Xylene	106	8.631	8.631	0.000	96	497335	25.0	28.9	
92 Styrene	104	8.668	8.668	0.000	90	815305	25.0	28.9	
95 Bromoform	173	8.911	8.911	0.000	97	142326	25.0	24.7	
94 Isopropylbenzene	105	9.020	9.020	-0.001	95	1308446	25.0	28.0	
101 Bromobenzene	156	9.367	9.367	0.000	90	330924	25.0	27.7	
97 1,1,2,2-Tetrachloroethane	83	9.446	9.452	-0.007	74	333499	25.0	26.0	
99 N-Propylbenzene	91	9.465	9.465	0.000	98	1477011	25.0	28.2	
100 1,2,3-Trichloropropane	110	9.477	9.477	0.000	64	107369	25.0	24.2	
98 trans-1,4-Dichloro-2-butene	53	9.495	9.495	0.000	85	76094	25.0	17.6	
103 2-Chlorotoluene	126	9.562	9.562	0.000	97	305975	25.0	26.8	
102 1,3,5-Trimethylbenzene	105	9.653	9.653	0.000	93	1114430	25.0	28.0	
105 4-Chlorotoluene	126	9.684	9.684	0.000	97	323935	25.0	28.7	
106 tert-Butylbenzene	134	9.976	9.976	0.000	85	258916	25.0	29.3	
107 1,2,4-Trimethylbenzene	105	10.036	10.030	0.006	76	1134657	25.0	27.5	
109 sec-Butylbenzene	105	10.195	10.195	0.000	92	1466763	25.0	29.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
111 1,3-Dichlorobenzene	146	10.322	10.322	-0.001	98	661356	25.0	28.1	
110 4-Isopropyltoluene	119	10.341	10.341	0.000	97	1285836	25.0	29.3	
113 1,4-Dichlorobenzene	146	10.414	10.414	0.000	94	669219	25.0	27.8	
115 n-Butylbenzene	91	10.736	10.736	0.000	95	1102449	25.0	30.2	
116 1,2-Dichlorobenzene	146	10.773	10.773	0.000	97	655541	25.0	27.3	
117 1,2-Dibromo-3-Chloropropane	75	11.521	11.521	0.000	84	57476	25.0	22.0	
119 1,2,4-Trichlorobenzene	180	12.196	12.196	0.000	93	485963	25.0	26.8	
120 Hexachlorobutadiene	225	12.312	12.312	0.000	92	221702	25.0	28.7	
121 Naphthalene	128	12.409	12.409	0.000	96	1305309	25.0	23.9	
122 1,2,3-Trichlorobenzene	180	12.610	12.610	0.000	95	473063	25.0	26.3	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00215	Amount Added:	12.50	Units: uL	
GAS CORP mix_00477	Amount Added:	12.50	Units: uL	
S_8260_IS_00351	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00403	Amount Added:	1.00	Units: uL	Run Reagent

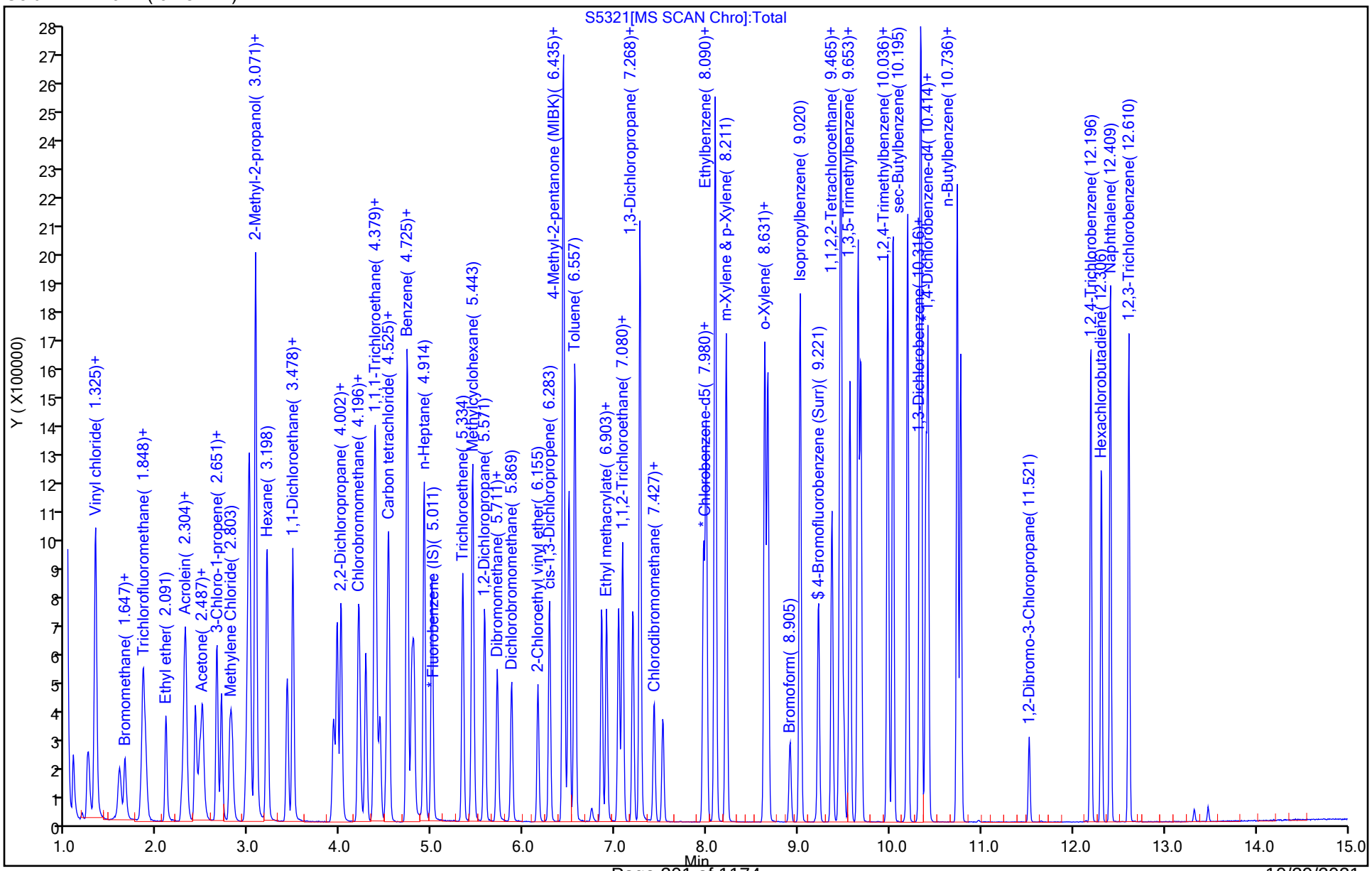
Report Date: 25-Oct-2021 13:12:57 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S5321.D

Injection Date:	25-Oct-2021 12:47:30	Instrument ID:	HP5973S	Operator ID:	AG/WD
Lims ID:	LCS			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Client Sample ID: BOR-OW-10R-WG MS Lab Sample ID: 480-191204-8 MS

Matrix: Water Lab File ID: S5344.D

Analysis Method: 8260C Date Collected: 10/20/2021 13:15

Sample wt/vol: 5(mL) Date Analyzed: 10/25/2021 22:22

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 601826 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	277		10	4.1
108-88-3	Toluene	690		10	5.1
100-41-4	Ethylbenzene	277		10	7.4
179601-23-1	m-Xylene & p-Xylene	280		20	6.6
95-47-6	o-Xylene	277		10	7.6
1330-20-7	Xylenes, Total	557		20	6.6
STL00431	Total BTEX	1800		20	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	103		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
1868-53-7	Dibromofluoromethane (Surr)	94		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S5344.D
Lims ID: 480-191204-C-8 MS
Client ID: BOR-OW-10R-WG
Sample Type: MS
Inject. Date: 25-Oct-2021 22:22:30 ALS Bottle#: 30 Worklist Smp#: 55
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Sample Info: 480-191204-C-8 MS
Misc. Info.: 480-0101887-055
Operator ID: AG/WD Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Oct-2021 14:20:43 Calib Date: 15-Sep-2021 00:35:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3517.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1680

First Level Reviewer: gruninga Date: 26-Oct-2021 14:21:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.999	0.000	99	137808	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.962	7.962	0.000	85	275841	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.395	10.396	-0.001	52	306257	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.434	4.427	0.006	57	175269	25.0	23.6	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.732	4.732	0.000	47	112016	25.0	23.3	
$ 5 Toluene-d8 (Surr)	98	6.496	6.496	0.000	75	720219	25.0	25.8	
$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.221	0.000	93	231302	25.0	24.8	
57 Benzene	78	4.726	4.726	0.000	97	1019541	25.0	27.7	
74 Toluene	92	6.557	6.557	0.000	98	1541378	25.0	69.0	
88 Ethylbenzene	91	8.090	8.090	0.000	98	1162315	25.0	27.7	
90 m-Xylene & p-Xylene	106	8.211	8.211	-0.001	98	476287	25.0	28.0	
91 o-Xylene	106	8.631	8.631	0.000	97	466265	25.0	27.7	
S 123 Total BTEX	1				0			180.1	
S 124 Xylenes, Total	1				0			55.7	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00215	Amount Added:	12.50	Units: uL	
GAS CORP mix_00477	Amount Added:	12.50	Units: uL	
S_8260_IS_00351	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00403	Amount Added:	1.00	Units: uL	Run Reagent

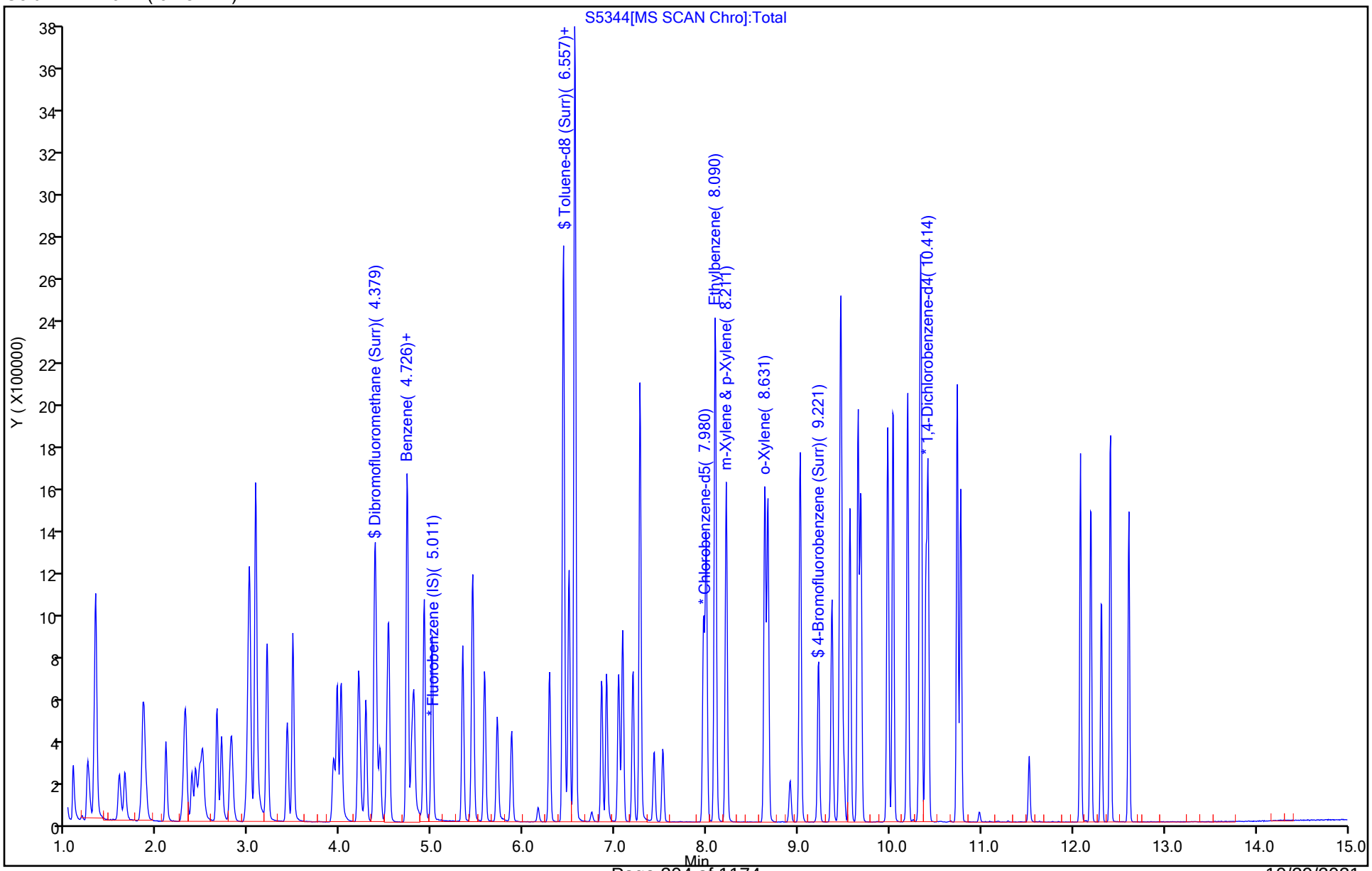
Report Date: 26-Oct-2021 14:21:12 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S5344.D

Injection Date:	25-Oct-2021 22:22:30	Instrument ID:	HP5973S	Operator ID:	AG/WD
Lims ID:	480-191204-C-8 MS			Worklist Smp#:	55
Client ID:	BOR-OW-10R-WG				
Purge Vol:	5.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	30
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Client Sample ID: BOR-OW-10R-WG MSD Lab Sample ID: 480-191204-8 MSD

Matrix: Water Lab File ID: S5345.D

Analysis Method: 8260C Date Collected: 10/20/2021 13:15

Sample wt/vol: 5(mL) Date Analyzed: 10/25/2021 22:46

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 601826 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	268		10	4.1
108-88-3	Toluene	676		10	5.1
100-41-4	Ethylbenzene	271		10	7.4
179601-23-1	m-Xylene & p-Xylene	273		20	6.6
95-47-6	o-Xylene	270		10	7.6
1330-20-7	Xylenes, Total	543		20	6.6
STL00431	Total BTEX	1760		20	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	104		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		77-120
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
1868-53-7	Dibromofluoromethane (Surr)	96		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S5345.D
Lims ID: 480-191204-C-8 MSD
Client ID: BOR-OW-10R-WG
Sample Type: MSD
Inject. Date: 25-Oct-2021 22:46:30 ALS Bottle#: 31 Worklist Smp#: 56
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Sample Info: 480-191204-C-8 MSD
Misc. Info.: 480-0101887-056
Operator ID: AG/WD Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Oct-2021 14:20:43 Calib Date: 15-Sep-2021 00:35:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20210914-100971.b\S3517.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1680

First Level Reviewer: gruninga Date: 26-Oct-2021 14:21:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.999	0.000	99	138850	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.962	7.962	0.000	87	273428	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.395	10.396	-0.001	57	302876	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.427	4.427	-0.001	56	180263	25.0	24.1	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.732	4.732	0.000	47	112512	25.0	23.2	
$ 5 Toluene-d8 (Surr)	98	6.496	6.496	0.000	64	721932	25.0	26.1	
$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.221	0.000	94	232474	25.0	25.2	
57 Benzene	78	4.726	4.726	0.000	97	994463	25.0	26.8	
74 Toluene	92	6.557	6.557	0.000	97	1495186	25.0	67.6	
88 Ethylbenzene	91	8.090	8.090	0.000	98	1127293	25.0	27.1	
90 m-Xylene & p-Xylene	106	8.211	8.211	-0.001	98	461115	25.0	27.3	
91 o-Xylene	106	8.631	8.631	0.000	96	450431	25.0	27.0	
S 123 Total BTEX	1				0			175.8	
S 124 Xylenes, Total	1				0			54.3	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00215	Amount Added: 12.50	Units: uL	
GAS CORP mix_00477	Amount Added: 12.50	Units: uL	
S_8260_IS_00351	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00403	Amount Added: 1.00	Units: uL	Run Reagent

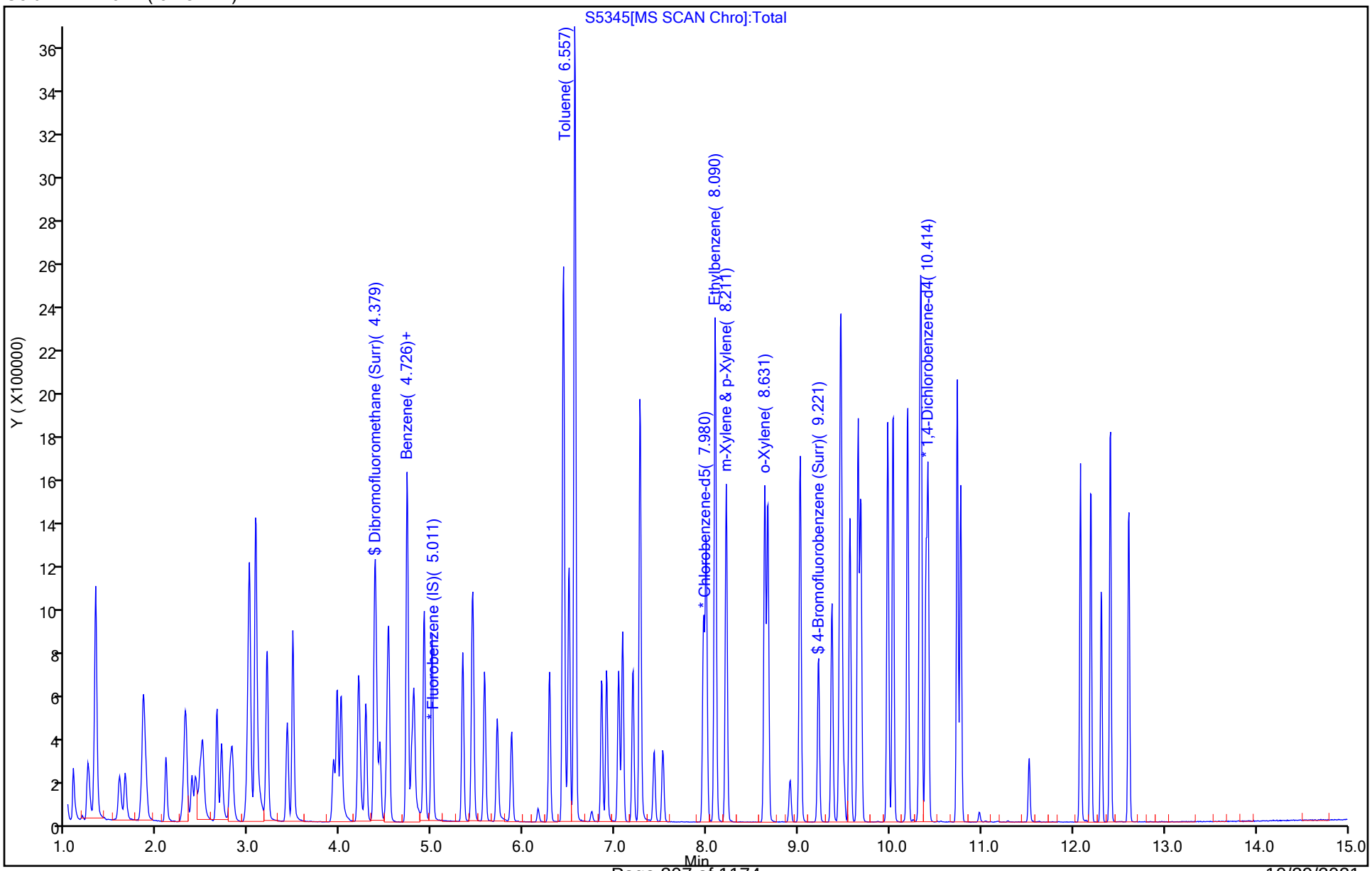
Report Date: 26-Oct-2021 14:21:20 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211025-101887.b\S5345.D

Injection Date:	25-Oct-2021 22:46:30	Instrument ID:	HP5973S	Operator ID:	AG/WD
Lims ID:	480-191204-C-8 MSD			Worklist Smp#:	56
Client ID:	BOR-OW-10R-WG				
Purge Vol:	5.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	31
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Instrument ID: HP5973S Start Date: 09/14/2021 16:49

Analysis Batch Number: 596289 End Date: 09/15/2021 02:07

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-596289/2		09/14/2021 16:49	1	S3497.D	ZB-624 (20) 0.18(mm)
IC 480-596289/4		09/14/2021 17:37	1	S3499.D	ZB-624 (20) 0.18(mm)
IC 480-596289/5		09/14/2021 18:00	1	S3500.D	ZB-624 (20) 0.18(mm)
IC 480-596289/6		09/14/2021 18:24	1	S3501.D	ZB-624 (20) 0.18(mm)
IC 480-596289/7		09/14/2021 18:47	1	S3502.D	ZB-624 (20) 0.18(mm)
IC 480-596289/8		09/14/2021 19:10	1	S3503.D	ZB-624 (20) 0.18(mm)
ICIS 480-596289/9		09/14/2021 19:33	1	S3504.D	ZB-624 (20) 0.18(mm)
IC 480-596289/10		09/14/2021 19:57	1	S3505.D	ZB-624 (20) 0.18(mm)
IC 480-596289/11		09/14/2021 20:20	1	S3506.D	ZB-624 (20) 0.18(mm)
IC 480-596289/16		09/14/2021 22:16	1		ZB-624 (20) 0.18(mm)
IC 480-596289/17		09/14/2021 22:40	1		ZB-624 (20) 0.18(mm)
IC 480-596289/18		09/14/2021 23:03	1		ZB-624 (20) 0.18(mm)
IC 480-596289/19		09/14/2021 23:26	1		ZB-624 (20) 0.18(mm)
IC 480-596289/20		09/14/2021 23:49	1		ZB-624 (20) 0.18(mm)
IC 480-596289/21		09/15/2021 00:12	1		ZB-624 (20) 0.18(mm)
IC 480-596289/22		09/15/2021 00:35	1		ZB-624 (20) 0.18(mm)
ICV 480-596289/25		09/15/2021 01:44	1	S3520.D	ZB-624 (20) 0.18(mm)
ICV 480-596289/26		09/15/2021 02:07	1		ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Instrument ID: HP5973S Start Date: 10/25/2021 11:34

Analysis Batch Number: 601826 End Date: 10/25/2021 22:46

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-601826/2		10/25/2021 11:34	1	S5318.D	ZB-624 (20) 0.18(mm)
CCVIS 480-601826/3		10/25/2021 12:01	1	S5319.D	ZB-624 (20) 0.18(mm)
CCV 480-601826/4		10/25/2021 12:24	1		ZB-624 (20) 0.18(mm)
LCS 480-601826/6		10/25/2021 12:47	1	S5321.D	ZB-624 (20) 0.18(mm)
RL 480-601826/7		10/25/2021 13:29	1		ZB-624 (20) 0.18(mm)
MB 480-601826/8		10/25/2021 13:52	1	S5323.D	ZB-624 (20) 0.18(mm)
ZZZZZ		10/25/2021 14:38	2		ZB-624 (20) 0.18(mm)
ZZZZZ		10/25/2021 15:01	1		ZB-624 (20) 0.18(mm)
480-191204-2	BOR-MW-27-WG	10/25/2021 15:24	1	S5326.D	ZB-624 (20) 0.18(mm)
480-191204-5	BOR-BC-SMP-WS	10/25/2021 15:47	1	S5327.D	ZB-624 (20) 0.18(mm)
480-191204-6	BOR-MW-28-WG	10/25/2021 16:11	1	S5328.D	ZB-624 (20) 0.18(mm)
480-191204-7	BOR-MW-30-WG	10/25/2021 16:34	1	S5329.D	ZB-624 (20) 0.18(mm)
480-191204-8	BOR-OW-10R-WG	10/25/2021 16:58	10	S5330.D	ZB-624 (20) 0.18(mm)
480-191204-9	BOR-OW-35R-WG	10/25/2021 17:21	1	S5331.D	ZB-624 (20) 0.18(mm)
480-191204-10	BOR-DUP-2-WG	10/25/2021 17:44	10	S5332.D	ZB-624 (20) 0.18(mm)
480-191204-11	TRIPBLANK1	10/25/2021 18:07	1	S5333.D	ZB-624 (20) 0.18(mm)
480-191204-12	TRIPBLANK2	10/25/2021 18:30	1	S5334.D	ZB-624 (20) 0.18(mm)
480-191204-13	BOR-MW-15-WG	10/25/2021 18:54	50	S5335.D	ZB-624 (20) 0.18(mm)
480-191204-14	BOR-MW-35R-WG	10/25/2021 19:17	1	S5336.D	ZB-624 (20) 0.18(mm)
ZZZZZ		10/25/2021 19:41	80		ZB-624 (20) 0.18(mm)
ZZZZZ		10/25/2021 20:04	1		ZB-624 (20) 0.18(mm)
ZZZZZ		10/25/2021 20:27	1		ZB-624 (20) 0.18(mm)
ZZZZZ		10/25/2021 20:50	1		ZB-624 (20) 0.18(mm)
ZZZZZ		10/25/2021 21:13	1		ZB-624 (20) 0.18(mm)
ZZZZZ		10/25/2021 21:35	1		ZB-624 (20) 0.18(mm)
ZZZZZ		10/25/2021 21:59	1		ZB-624 (20) 0.18(mm)
480-191204-8 MS	BOR-OW-10R-WG MS	10/25/2021 22:22	10	S5344.D	ZB-624 (20) 0.18(mm)
480-191204-8 MSD	BOR-OW-10R-WG MSD	10/25/2021 22:46	10	S5345.D	ZB-624 (20) 0.18(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Batch Number: 596289 Batch Start Date: 09/14/21 16:49 Batch Analyst: Hill, Leah C

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	8260 CORP mix 00214	BFB_WRK 00126	GAS CORP mix 00472	S_8260_IS 00351
BFB 480-596289/2		8260C		1 uL	1 uL		1 uL		
IC 480-596289/4		8260C		5 mL	5 mL	0.5 uL		0.5 uL	1 uL
IC 480-596289/5		8260C		5 mL	5 mL	1 uL		1 uL	1 uL
IC 480-596289/6		8260C		5 mL	5 mL	2 uL		2 uL	1 uL
IC 480-596289/7		8260C		5 mL	5 mL	5 uL		5 uL	1 uL
IC 480-596289/8		8260C		5 mL	5 mL	5 uL		5 uL	1 uL
ICIS 480-596289/9		8260C		5 mL	5 mL	12.5 uL		12.5 uL	1 uL
IC 480-596289/10		8260C		5 mL	5 mL	25 uL		25 uL	1 uL
IC 480-596289/11		8260C		5 mL	5 mL	50 uL		50 uL	1 uL
ICV 480-596289/25		8260C		5 mL	5 mL				1 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	S_8260_Surr 00398	SS 8260 CORP 00094	SS GAS CORP 00421			
BFB 480-596289/2		8260C							
IC 480-596289/4		8260C		1 uL					
IC 480-596289/5		8260C		1 uL					
IC 480-596289/6		8260C		1 uL					
IC 480-596289/7		8260C		1 uL					
IC 480-596289/8		8260C		1 uL					
ICIS 480-596289/9		8260C		1 uL					
IC 480-596289/10		8260C		1 uL					
IC 480-596289/11		8260C		1 uL					
ICV 480-596289/25		8260C		1 uL	12.5 uL	12.5 uL			

Batch Notes	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Batch Number: 596289 Batch Start Date: 09/14/21 16:49 Batch Analyst: Hill, Leah C

Batch Method: 8260C Batch End Date:

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Batch Number: 601826 Batch Start Date: 10/25/21 11:34 Batch Analyst: Gruning, Anton T

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00215	BFB_WRK 00126	GAS CORP mix 00477
BFB 480-601826/2		8260C		1 uL	1 uL			1 uL	
CCVIS 480-601826/3		8260C		5 mL	5 mL		12.5 uL		12.5 uL
LCS 480-601826/6		8260C		5 mL	5 mL		12.5 uL		12.5 uL
MB 480-601826/8		8260C		5 mL	5 mL				
480-191204-D-2	BOR-MW-27-WG	8260C	T	5 mL	5 mL	<2 SU			
480-191204-D-5	BOR-BC/SMP-WS	8260C	T	5 mL	5 mL	<2 SU			
480-191204-D-6	BOR-MW-28-WG	8260C	T	5 mL	5 mL	<2 SU			
480-191204-D-7	BOR-MW-30-WG	8260C	T	5 mL	5 mL	<2 SU			
480-191204-D-8	BOR-OW-10R-WG	8260C	T	5 mL	5 mL	<2 SU			
480-191204-D-9	BOR-OW-35R-WG	8260C	T	5 mL	5 mL	<2 SU			
480-191204-D-10	BOR-DUP-2-WG	8260C	T	5 mL	5 mL	<2 SU			
480-191204-A-11	TRIPBLANK	8260C	T	5 mL	5 mL	<2 SU			
480-191204-A-12	TRIPBLANK	8260C	T	5 mL	5 mL	<2 SU			
480-191204-D-13	BOR-MW-15-WG	8260C	T	5 mL	5 mL	<2 SU			
480-191204-D-14	BOR-MW-35R-WG	8260C	T	5 mL	5 mL	<2 SU			
480-191204-C-8 MS	BOR-OW-10R-WG	8260C	T	5 mL	5 mL	<2 SU	12.5 uL		12.5 uL
480-191204-C-8 MSD	BOR-OW-10R-WG	8260C	T	5 mL	5 mL	<2 SU	12.5 uL		12.5 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	S_8260_IS 00351	S_8260_Surr 00403	AnalysisComment			
BFB 480-601826/2		8260C							
CCVIS 480-601826/3		8260C		1 uL	1 uL				
LCS 480-601826/6		8260C		1 uL	1 uL				
MB 480-601826/8		8260C		1 uL	1 uL				
480-191204-D-2	BOR-MW-27-WG	8260C	T	1 uL	1 uL				
480-191204-D-5	BOR-BC/SMP-WS	8260C	T	1 uL	1 uL				
480-191204-D-6	BOR-MW-28-WG	8260C	T	1 uL	1 uL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Batch Number: 601826 Batch Start Date: 10/25/21 11:34 Batch Analyst: Gruning, Anton T

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	S_8260_IS 00351	S_8260_Surr 00403	AnalysisComment			
480-191204-D-7	BOR-MW-30-WG	8260C	T	1 uL	1 uL				
480-191204-D-8	BOR-OW-10R-WG	8260C	T	1 uL	1 uL	target, foam			
480-191204-D-9	BOR-OW-35R-WG	8260C	T	1 uL	1 uL				
480-191204-D-10	BOR-DUP-2-WG	8260C	T	1 uL	1 uL	target, foam			
480-191204-A-11	TRIPBLANK	8260C	T	1 uL	1 uL				
480-191204-A-12	TRIPBLANK	8260C	T	1 uL	1 uL				
480-191204-D-13	BOR-MW-15-WG	8260C	T	1 uL	1 uL	target, foam			
480-191204-D-14	BOR-MW-35R-WG	8260C	T	1 uL	1 uL				
480-191204-C-8 MS	BOR-OW-10R-WG	8260C	T	1 uL	1 uL	target, foam, client			
480-191204-C-8 MSD	BOR-OW-10R-WG	8260C	T	1 uL	1 uL	target, foam, client			

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8270D

Semivolatile Organic Compounds (GC/MS) by Method 8270D

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): RXI-5Sil MS ID: 0.25(mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPHd14 #
BOR-MW-27-WG	480-191204-2	69	49	79	97	92	88
BOR-BC-SMP-WS	480-191204-5	63	48	77	99	83	97
BOR-MW-28-WG	480-191204-6	61	48	72	90	101	78
BOR-MW-30-WG	480-191204-7	64	50	79	108	82	92
BOR-OW-10R-WG	480-191204-8	0 S1-	45	229 S1+	88	0 S1-	85
BOR-OW-35R-WG	480-191204-9	77	56	85	110	114	93
BOR-DUP-2-WG	480-191204-10	0 S1-	0 S1-	0 S1-	97	0 S1-	110
BOR-MW-15-WG	480-191204-13	0 S1-	0 S1-	0 S1-	0 S1-	0 S1-	0 S1-
BOR-MW-35R-WG	480-191204-14	79	65	86	111	108	116
	MB 480-601482/1-A	62	47	79	101	80	112
	LCS 480-601482/2-A	63	49	79	99	100	99
BOR-OW-10R-WG MS	480-191204-8 MS	0 S1-	49	246 S1+	92	472 S1+	71
BOR-OW-10R-WG MSD	480-191204-8 MSD	0 S1-	41	0 S1-	85	0 S1-	64

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	35-120
PHL = Phenol-d5 (Surr)	22-120
NBZ = Nitrobenzene-d5 (Surr)	46-120
FBP = 2-Fluorobiphenyl (Surr)	48-120
TBP = 2,4,6-Tribromophenol (Surr)	41-120
TPHd14 = p-Terphenyl-d14 (Surr)	60-148

Column to be used to flag recovery values

FORM II 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Matrix: Water Level: Low Lab File ID: Y02825999.D

Lab ID: LCS 480-601482/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Phenol	32.0	16.1	50	17-120	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Matrix: Water Level: Low Lab File ID: Y02826066.D

Lab ID: 480-191204-8 MS Client ID: BOR-OW-10R-WG MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Phenol	160	24000	22900	-421	16-120	4

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Matrix: Water Level: Low Lab File ID: Y02826067.D

Lab ID: 480-191204-8 MSD Client ID: BOR-OW-10R-WG MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Phenol	160	24600	627	7	34	16-120	4

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab File ID: Y02825998.D Lab Sample ID: MB 480-601482/1-A

Matrix: Water Date Extracted: 10/21/2021 14:44

Instrument ID: HP5973Y Date Analyzed: 10/22/2021 15:01

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-601482/2-A	Y02825999.D	10/22/2021 15:28
BOR-MW-27-WG	480-191204-2	Y02826016.D	10/22/2021 23:08
BOR-BC-SMP-WS	480-191204-5	Y02826017.D	10/22/2021 23:35
BOR-OW-10R-WG MS	480-191204-8 MS	Y02826066.D	10/25/2021 14:05
BOR-OW-10R-WG MSD	480-191204-8 MSD	Y02826067.D	10/25/2021 14:32
BOR-OW-10R-WG	480-191204-8	Y02826068.D	10/25/2021 14:59
BOR-MW-28-WG	480-191204-6	Y02826069.D	10/25/2021 15:26
BOR-MW-30-WG	480-191204-7	Y02826070.D	10/25/2021 15:53
BOR-OW-35R-WG	480-191204-9	Y02826071.D	10/25/2021 16:20
BOR-DUP-2-WG	480-191204-10	Y02826072.D	10/25/2021 16:47
BOR-MW-35R-WG	480-191204-14	Y02826074.D	10/25/2021 17:42
BOR-MW-15-WG	480-191204-13	Y02826139.D	10/27/2021 02:21

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab File ID: Y02825517.D DFTPP Injection Date: 10/07/2021

Instrument ID: HP5973Y DFTPP Injection Time: 11:32

Analysis Batch No.: 599414

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	45.2	
68	Less than 2% of mass 69	0.0	(0.0) 1
69	Mass 69 Relative abundance	51.2	
70	Less than 2% of mass 69	0.2	(0.3) 1
127	10-80% of Base Peak	53.0	
197	Less than 2% of mass 198	0.0	
198	Base peak	100.0	
199	5-9% of mass 198	7.2	
275	10-60% of Base Peak	26.5	
365	Greater than 1% of mass 198	4.2	
441	present but less than 24% of mass 442	19.4	(18.5) 2
442	Greater than 50% of mass 198	104.9	
443	15-24% of mass 442	21.3	(20.3) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-599414/3	Y02825518.D	10/07/2021	11:59
	IC 480-599414/4	Y02825519.D	10/07/2021	12:26
	IC 480-599414/5	Y02825520.D	10/07/2021	12:53
	IC 480-599414/6	Y02825521.D	10/07/2021	13:19
	ICIS 480-599414/7	Y02825522.D	10/07/2021	13:47
	IC 480-599414/8	Y02825523.D	10/07/2021	14:14
	IC 480-599414/9	Y02825524.D	10/07/2021	14:40
	IC 480-599414/10	Y02825525.D	10/07/2021	15:08
	ICV 480-599414/11	Y02825526.D	10/07/2021	15:35

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab File ID: Y02825991.D DFTPP Injection Date: 10/22/2021

Instrument ID: HP5973Y DFTPP Injection Time: 11:52

Analysis Batch No.: 601587

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	41.4	
68	Less than 2% of mass 69	0.0	(0.0) 1
69	Mass 69 Relative abundance	45.9	
70	Less than 2% of mass 69	0.3	(0.6) 1
127	10-80% of Base Peak	52.2	
197	Less than 2% of mass 198	0.0	
198	Base peak	100.0	
199	5-9% of mass 198	6.4	
275	10-60% of Base Peak	27.4	
365	Greater than 1% of mass 198	4.4	
441	present but less than 24% of mass 442	14.3	(12.8) 2
442	Greater than 50% of mass 198	111.8	
443	15-24% of mass 442	21.1	(18.9) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-601587/3	Y02825992.D	10/22/2021	12:19
	MB 480-601482/1-A	Y02825998.D	10/22/2021	15:01
	LCS 480-601482/2-A	Y02825999.D	10/22/2021	15:28
BOR-MW-27-WG	480-191204-2	Y02826016.D	10/22/2021	23:08
BOR-BC-SMP-WS	480-191204-5	Y02826017.D	10/22/2021	23:35

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab File ID: Y02826059.D DFTPP Injection Date: 10/25/2021

Instrument ID: HP5973Y DFTPP Injection Time: 10:55

Analysis Batch No.: 601851

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	41.7	
68	Less than 2% of mass 69	0.0	(0.0) 1
69	Mass 69 Relative abundance	45.9	
70	Less than 2% of mass 69	0.1	(0.3) 1
127	10-80% of Base Peak	52.2	
197	Less than 2% of mass 198	0.0	
198	Base peak	100.0	
199	5-9% of mass 198	6.8	
275	10-60% of Base Peak	26.8	
365	Greater than 1% of mass 198	4.3	
441	present but less than 24% of mass 442	15.0	(14.7) 2
442	Greater than 50% of mass 198	102.0	
443	15-24% of mass 442	20.7	(20.3) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-601851/3	Y02826060.D	10/25/2021	11:22
BOR-OW-10R-WG MS	480-191204-8 MS	Y02826066.D	10/25/2021	14:05
BOR-OW-10R-WG MSD	480-191204-8 MSD	Y02826067.D	10/25/2021	14:32
BOR-OW-10R-WG	480-191204-8	Y02826068.D	10/25/2021	14:59
BOR-MW-28-WG	480-191204-6	Y02826069.D	10/25/2021	15:26
BOR-MW-30-WG	480-191204-7	Y02826070.D	10/25/2021	15:53
BOR-OW-35R-WG	480-191204-9	Y02826071.D	10/25/2021	16:20
BOR-DUP-2-WG	480-191204-10	Y02826072.D	10/25/2021	16:47
BOR-MW-35R-WG	480-191204-14	Y02826074.D	10/25/2021	17:42

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab File ID: Y02826117.D DFTPP Injection Date: 10/26/2021

Instrument ID: HP5973Y DFTPP Injection Time: 16:23

Analysis Batch No.: 602004

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	39.6	
68	Less than 2% of mass 69	0.0	(0.0) 1
69	Mass 69 Relative abundance	43.2	
70	Less than 2% of mass 69	0.3	(0.6) 1
127	10-80% of Base Peak	50.5	
197	Less than 2% of mass 198	0.0	
198	Base peak	100.0	
199	5-9% of mass 198	7.1	
275	10-60% of Base Peak	28.5	
365	Greater than 1% of mass 198	4.7	
441	present but less than 24% of mass 442	21.7	(18.9) 2
442	Greater than 50% of mass 198	114.9	
443	15-24% of mass 442	22.4	(19.5) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-602004/3	Y02826118.D	10/26/2021	16:50
BOR-MW-15-WG	480-191204-13	Y02826139.D	10/27/2021	2:21

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Sample No.: ICIS 480-599414/7 Date Analyzed: 10/07/2021 13:47

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): Y02825522.D Heated Purge: (Y/N) N

Calibration ID: 42466

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		310093	6.52	1148483	7.61	643571	9.10
UPPER LIMIT		620186	7.02	2296966	8.11	1287142	9.60
LOWER LIMIT		155047	6.02	574242	7.11	321786	8.60
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 480-599414/11		301593	6.52	1097757	7.61	620997	9.10
CCVIS 480-601587/3		227908	6.32	817739	7.41	465875	8.90
CCVIS 480-601851/3		260992	6.31	960300	7.40	519803	8.88
CCVIS 480-602004/3		262000	6.31	918462	7.40	530828	8.88

DCBd4 = 1,4-Dichlorobenzene-d4 (IS)
NPT = Naphthalene-d8 (IS)
ANT = Acenaphthene-d10 (IS)

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Sample No.: ICIS 480-599414/7 Date Analyzed: 10/07/2021 13:47

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): Y02825522.D Heated Purge: (Y/N) N

Calibration ID: 42466

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1087023	10.37	976849	13.10	1056166	15.35
UPPER LIMIT		2174046	10.87	1953698	13.60	2112332	15.85
LOWER LIMIT		543512	9.87	488425	12.60	528083	14.85
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 480-599414/11		1078222	10.36	956667	13.10	1035336	15.36
CCVIS 480-601587/3		749067	10.16	665907	12.80	708625	15.00
CCVIS 480-601851/3		898405	10.15	756511	12.79	776203	14.99
CCVIS 480-602004/3		897542	10.15	783606	12.78	804199	14.99

PHN = Phenanthrene-d10 (IS)
CRY = Chrysene-d12 (IS)
PRY = Perylene-d12 (IS)

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Sample No.: CCVIS 480-601587/3 Date Analyzed: 10/22/2021 12:19

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): Y02825992.D Heated Purge: (Y/N) N

Calibration ID: 42474

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		227908	6.32	817739	7.41	465875	8.90
UPPER LIMIT		455816	6.82	1635478	7.91	931750	9.40
LOWER LIMIT		113954	5.82	408870	6.91	232938	8.40
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 480-601482/1-A		207972	6.32	775609	7.41	431760	8.89
LCS 480-601482/2-A		211825	6.32	773721	7.41	437303	8.90
480-191204-2	BOR-MW-27-WG	215002	6.32	790511	7.41	437988	8.89
480-191204-5	BOR-BC-SMP-WS	204288	6.32	784058	7.41	426782	8.89

DCBd4 = 1,4-Dichlorobenzene-d4 (IS)
NPT = Naphthalene-d8 (IS)
ANT = Acenaphthene-d10 (IS)

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Sample No.: CCVIS 480-601587/3 Date Analyzed: 10/22/2021 12:19

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): Y02825992.D Heated Purge: (Y/N) N

Calibration ID: 42474

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		749067	10.16	665907	12.80	708625	15.00
UPPER LIMIT		1498134	10.66	1331814	13.30	1417250	15.50
LOWER LIMIT		374534	9.66	332954	12.30	354313	14.50
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 480-601482/1-A		731706	10.16	614867	12.80	633903	15.00
LCS 480-601482/2-A		760868	10.16	627004	12.80	658604	15.01
480-191204-2	BOR-MW-27-WG	740958	10.16	626461	12.80	629957	15.00
480-191204-5	BOR-BC-SMP-WS	709177	10.16	610540	12.80	638832	15.00

PHN = Phenanthrene-d10 (IS)
CRY = Chrysene-d12 (IS)
PRY = Perylene-d12 (IS)

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Sample No.: CCVIS 480-601851/3 Date Analyzed: 10/25/2021 11:22

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): Y02826060.D Heated Purge: (Y/N) N

Calibration ID: 42474

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		260992	6.31	960300	7.40	519803	8.88
UPPER LIMIT		521984	6.81	1920600	7.90	1039606	9.38
LOWER LIMIT		130496	5.81	480150	6.90	259902	8.38
LAB SAMPLE ID	CLIENT SAMPLE ID						
480-191204-8 MS	BOR-OW-10R-WG MS	242109	6.31	868267	7.40	500682	8.89
480-191204-8 MSD	BOR-OW-10R-WG MSD	232954	6.31	877405	7.40	493185	8.88
480-191204-8	BOR-OW-10R-WG	236743	6.31	878152	7.40	480509	8.88
480-191204-6	BOR-MW-28-WG	264042	6.31	964630	7.40	542878	8.88
480-191204-7	BOR-MW-30-WG	257924	6.31	977168	7.40	516466	8.88
480-191204-9	BOR-OW-35R-WG	256294	6.31	963286	7.40	525741	8.88
480-191204-10	BOR-DUP-2-WG	233103	6.31	854483	7.40	476441	8.88
480-191204-14	BOR-MW-35R-WG	249782	6.31	904747	7.40	496397	8.88

DCBd4 = 1,4-Dichlorobenzene-d4 (IS)
NPT = Naphthalene-d8 (IS)
ANT = Acenaphthene-d10 (IS)

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Sample No.: CCVIS 480-601851/3 Date Analyzed: 10/25/2021 11:22

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): Y02826060.D Heated Purge: (Y/N) N

Calibration ID: 42474

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		898405	10.15	756511	12.79	776203	14.99
UPPER LIMIT		1796810	10.65	1513022	13.29	1552406	15.49
LOWER LIMIT		449203	9.65	378256	12.29	388102	14.49
LAB SAMPLE ID	CLIENT SAMPLE ID						
480-191204-8 MS	BOR-OW-10R-WG MS	810837	10.15	688893	12.78	728830	14.99
480-191204-8 MSD	BOR-OW-10R-WG MSD	819086	10.15	717493	12.78	718428	14.99
480-191204-8	BOR-OW-10R-WG	795622	10.15	665063	12.78	697580	14.99
480-191204-6	BOR-MW-28-WG	871941	10.15	742503	12.78	814163	14.99
480-191204-7	BOR-MW-30-WG	897327	10.15	736287	12.78	784697	14.99
480-191204-9	BOR-OW-35R-WG	898170	10.15	739196	12.78	771114	14.99
480-191204-10	BOR-DUP-2-WG	794477	10.15	674822	12.78	682565	14.99
480-191204-14	BOR-MW-35R-WG	831202	10.14	678349	12.79	696602	14.99

PHN = Phenanthrene-d10 (IS)
CRY = Chrysene-d12 (IS)
PRY = Perylene-d12 (IS)

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Sample No.: CCVIS 480-602004/3 Date Analyzed: 10/26/2021 16:50

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): Y02826118.D Heated Purge: (Y/N) N

Calibration ID: 42474

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		262000	6.31	918462	7.40	530828	8.88
UPPER LIMIT		524000	6.81	1836924	7.90	1061656	9.38
LOWER LIMIT		131000	5.81	459231	6.90	265414	8.38
LAB SAMPLE ID	CLIENT SAMPLE ID						
480-191204-13	BOR-MW-15-WG	246161	6.30	877261	7.40	492924	8.88

DCBd4 = 1,4-Dichlorobenzene-d4 (IS)
NPT = Naphthalene-d8 (IS)
ANT = Acenaphthene-d10 (IS)

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Sample No.: CCVIS 480-602004/3 Date Analyzed: 10/26/2021 16:50

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): Y02826118.D Heated Purge: (Y/N) N

Calibration ID: 42474

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		897542	10.15	783606	12.78	804199	14.99
UPPER LIMIT		1795084	10.65	1567212	13.28	1608398	15.49
LOWER LIMIT		448771	9.65	391803	12.28	402100	14.49
LAB SAMPLE ID	CLIENT SAMPLE ID						
480-191204-13	BOR-MW-15-WG	775706	10.15	727567	12.78	761537	14.99

PHN = Phenanthrene-d10 (IS)
CRY = Chrysene-d12 (IS)
PRY = Perylene-d12 (IS)

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Client Sample ID: BOR-MW-27-WG Lab Sample ID: 480-191204-2

Matrix: Water Lab File ID: Y02826016.D

Analysis Method: 8270D Date Collected: 10/20/2021 15:10

Extract. Method: 3510C Date Extracted: 10/21/2021 14:44

Sample wt/vol: 250(mL) Date Analyzed: 10/22/2021 23:08

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 2(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 601587 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	2.9	J	5.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	79		46-120
1718-51-0	p-Terphenyl-d14 (Surr)	88		60-148
4165-62-2	Phenol-d5 (Surr)	49		22-120
367-12-4	2-Fluorophenol (Surr)	69		35-120
118-79-6	2,4,6-Tribromophenol (Surr)	92		41-120
321-60-8	2-Fluorobiphenyl (Surr)	97		48-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211022-101850.b\Y02826016.D
Lims ID: 480-191204-A-2-A
Client ID: BOR-MW-27-WG
Sample Type: Client
Inject. Date: 22-Oct-2021 23:08:30 ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 480-0101850-027
Operator ID: JM Instrument ID: HP5973Y

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211022-101850.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 25-Oct-2021 14:59:09 Calib Date: 12-Oct-2021 15:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211012-101584.b\Y02825651.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1605

First Level Reviewer: marshallj Date: 25-Oct-2021 09:07:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.318	6.319	-0.001	95	215002	4.00	
* 2 Naphthalene-d8	136	7.407	7.409	-0.002	99	790511	4.00	
* 3 Acenaphthene-d10	164	8.894	8.896	-0.002	95	437988	4.00	
* 4 Phenanthrene-d10	188	10.157	10.159	-0.002	97	740958	4.00	
* 5 Chrysene-d12	240	12.796	12.798	-0.002	97	626461	4.00	
* 6 Perylene-d12	264	15.004	15.005	-0.001	96	629957	4.00	
$ 7 2-Fluorophenol	112	5.191	5.199	0.019	89	351437	5.52	
$ 8 Phenol-d5	99	6.000	5.998	0.005	0	320536	3.96	
$ 9 Nitrobenzene-d5	82	6.789	6.793	-0.003	87	507000	6.32	
$ 10 2-Fluorobiphenyl	172	8.298	8.300	-0.004	98	1089907	7.76	
$ 11 2,4,6-Tribromophenol	330	9.558	9.566	-0.001	93	161680	7.37	
$ 12 p-Terphenyl-d14	244	11.511	11.512	0.000	96	1099680	7.04	
37 Phenol	94	6.011	6.014	0.005	97	62799	0.7303	a

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

Reagents:

MB_LLIS_WRK_00224 Amount Added: 20.00 Units: uL Run Reagent

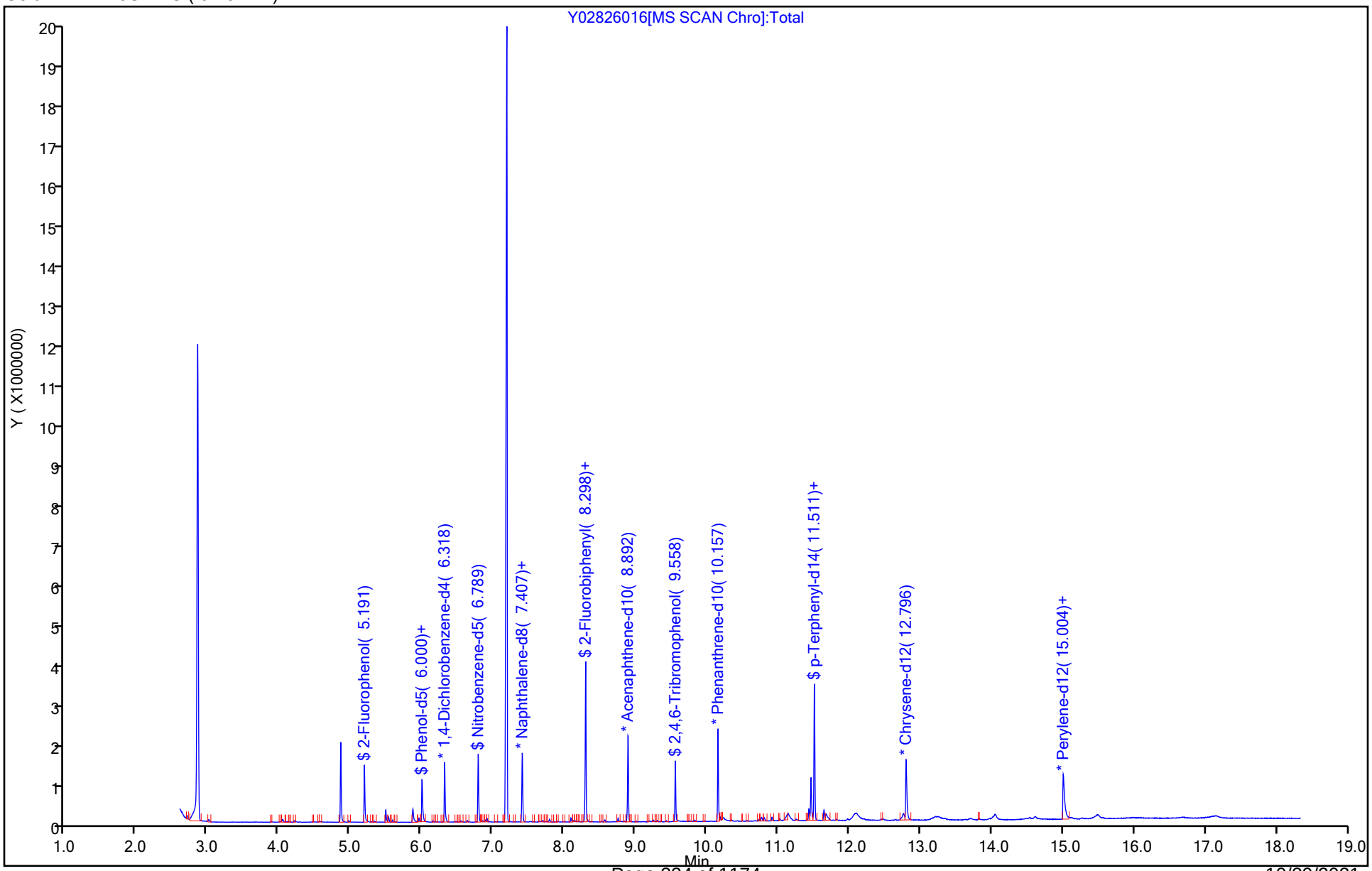
Report Date: 25-Oct-2021 15:01:02 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211022-101850.b\Y02826016.D

Injection Date:	22-Oct-2021 23:08:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	480-191204-A-2-A	Lab Sample ID:	480-191204-2	Worklist Smp#:	27
Client ID:	BOR-MW-27-WG				
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	27
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



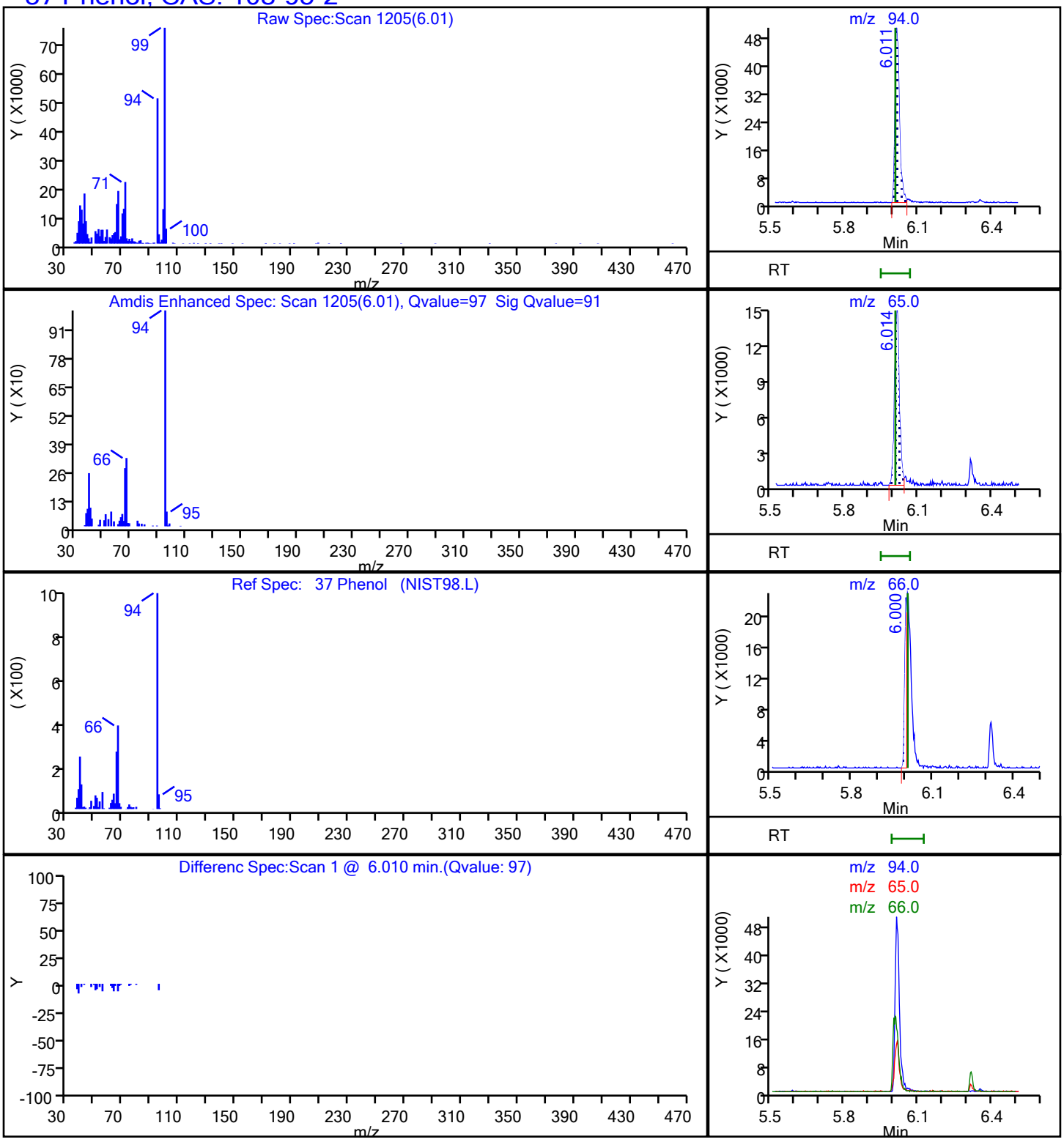
Report Date: 25-Oct-2021 15:01:02 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211022-101850.b\Y02826016.D

Injection Date:	22-Oct-2021 23:08:30	Instrument ID:	HP5973Y		
Lims ID:	480-191204-A-2-A	Lab Sample ID:	480-191204-2		
Client ID:	BOR-MW-27-WG				
Operator ID:	JM	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

37 Phenol, CAS: 108-95-2



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

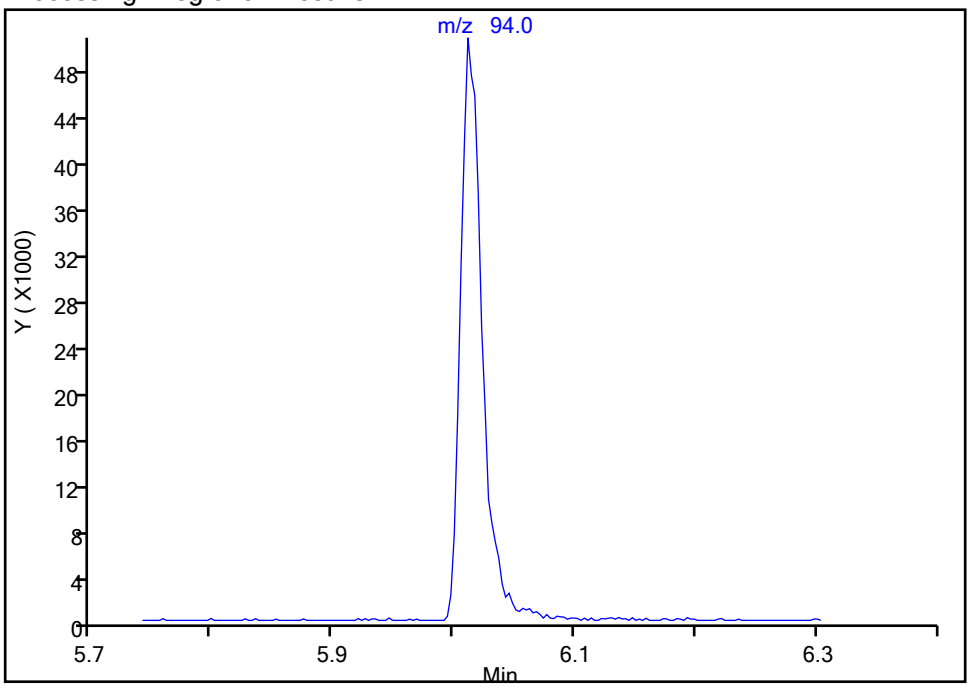
Data File:	\\chromfs\Buffalo\ChromData\HP5973Y\20211022-101850.b\Y02826016.D				
Injection Date:	22-Oct-2021 23:08:30	Instrument ID:	HP5973Y		
Lims ID:	480-191204-A-2-A	Lab Sample ID:	480-191204-2		
Client ID:	BOR-MW-27-WG				
Operator ID:	JM	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

37 Phenol, CAS: 108-95-2

Signal: 1

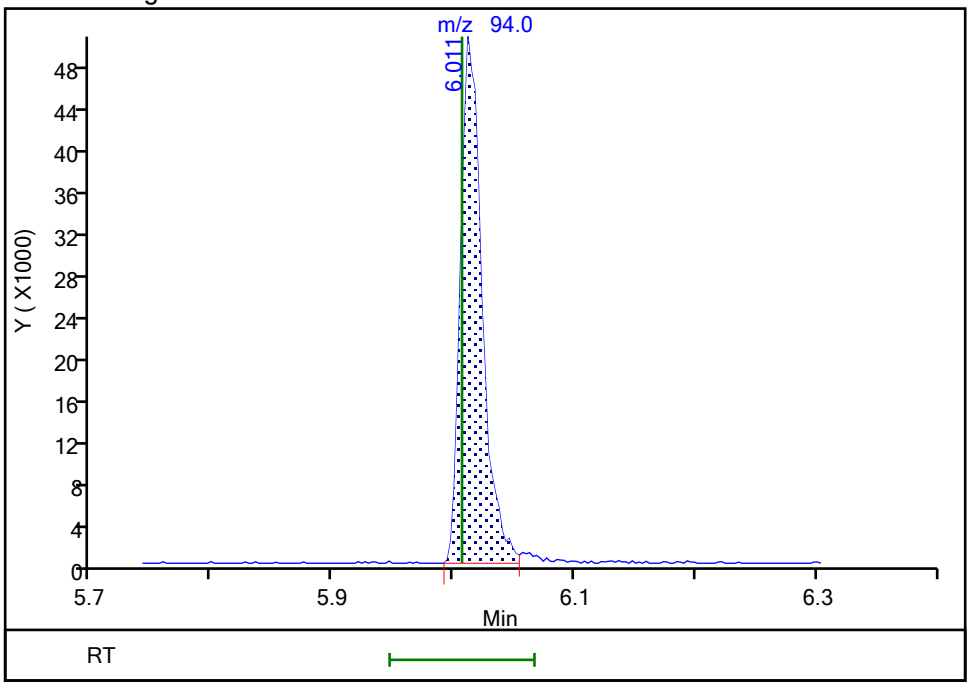
Not Detected
Expected RT: 6.01

Processing Integration Results



Manual Integration Results

RT: 6.01
Area: 62799
Amount: 0.730260
Amount Units: ng/uL



Reviewer: marshallj, 25-Oct-2021 09:07:01
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Client Sample ID: BOR-BC-SMP-WS Lab Sample ID: 480-191204-5

Matrix: Water Lab File ID: Y02826017.D

Analysis Method: 8270D Date Collected: 10/20/2021 09:45

Extract. Method: 3510C Date Extracted: 10/21/2021 14:44

Sample wt/vol: 250(mL) Date Analyzed: 10/22/2021 23:35

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 2(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 601587 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	ND		5.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	77		46-120
1718-51-0	p-Terphenyl-d14 (Surr)	97		60-148
4165-62-2	Phenol-d5 (Surr)	48		22-120
367-12-4	2-Fluorophenol (Surr)	63		35-120
118-79-6	2,4,6-Tribromophenol (Surr)	83		41-120
321-60-8	2-Fluorobiphenyl (Surr)	99		48-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211022-101850.b\Y02826017.D
Lims ID: 480-191204-B-5-A
Client ID: BOR-BC/SMP-WS
Sample Type: Client
Inject. Date: 22-Oct-2021 23:35:30 ALS Bottle#: 28 Worklist Smp#: 28
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 480-0101850-028
Operator ID: JM Instrument ID: HP5973Y

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211022-101850.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 25-Oct-2021 14:59:09 Calib Date: 12-Oct-2021 15:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211012-101584.b\Y02825651.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1605

First Level Reviewer: marshallj Date: 25-Oct-2021 15:00:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.317	6.319	-0.002	94	204288	4.00	
* 2 Naphthalene-d8	136	7.409	7.409	0.000	99	784058	4.00	
* 3 Acenaphthene-d10	164	8.894	8.896	-0.002	94	426782	4.00	
* 4 Phenanthrene-d10	188	10.156	10.159	-0.003	95	709177	4.00	
* 5 Chrysene-d12	240	12.798	12.798	0.000	96	610540	4.00	
* 6 Perylene-d12	264	15.003	15.005	-0.002	97	638832	4.00	
$ 7 2-Fluorophenol	112	5.190	5.199	0.018	91	307019	5.08	
$ 8 Phenol-d5	99	5.999	5.998	0.004	0	293457	3.81	
$ 9 Nitrobenzene-d5	82	6.788	6.793	-0.004	87	493188	6.20	
$ 10 2-Fluorobiphenyl	172	8.298	8.300	-0.004	100	1084399	7.93	
$ 11 2,4,6-Tribromophenol	330	9.558	9.566	-0.001	93	138669	6.62	
$ 12 p-Terphenyl-d14	244	11.510	11.512	-0.001	98	1178720	7.75	
37 Phenol	94		6.006				ND	

QC Flag Legend

Processing Flags

Reagents:

MB_LLIS_WRK_00224 Amount Added: 20.00 Units: uL Run Reagent

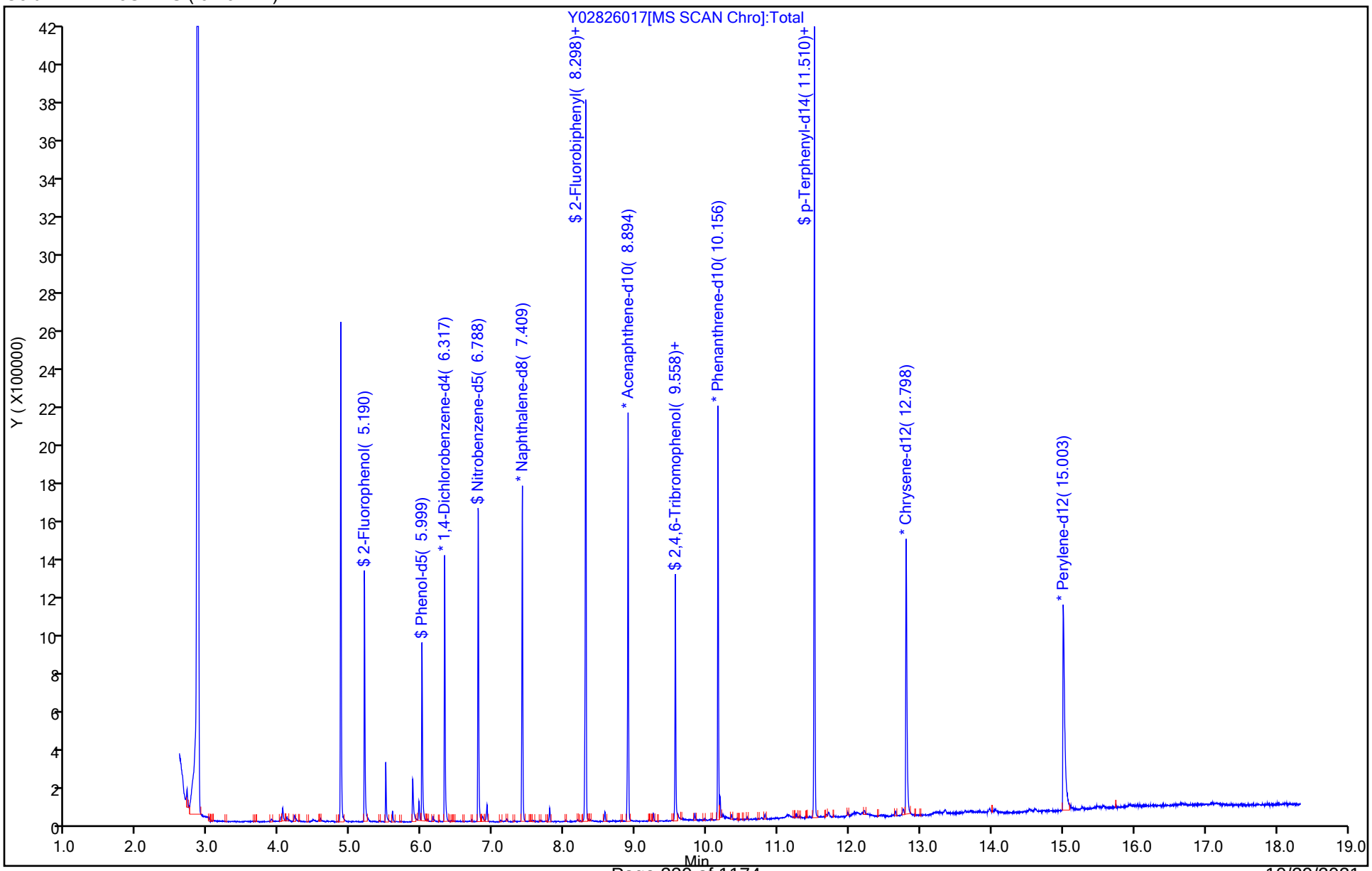
Report Date: 25-Oct-2021 15:01:03 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211022-101850.b\Y02826017.D

Injection Date:	22-Oct-2021 23:35:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	480-191204-B-5-A	Lab Sample ID:	480-191204-5	Worklist Smp#:	28
Client ID:	BOR-BC/SMP-WS				
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	28
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Client Sample ID: BOR-MW-28-WG Lab Sample ID: 480-191204-6

Matrix: Water Lab File ID: Y02826069.D

Analysis Method: 8270D Date Collected: 10/20/2021 11:40

Extract. Method: 3510C Date Extracted: 10/21/2021 14:44

Sample wt/vol: 250(mL) Date Analyzed: 10/25/2021 15:26

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 2(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 601851 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	4.6	J	5.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	72		46-120
1718-51-0	p-Terphenyl-d14 (Surr)	78		60-148
4165-62-2	Phenol-d5 (Surr)	48		22-120
367-12-4	2-Fluorophenol (Surr)	61		35-120
118-79-6	2,4,6-Tribromophenol (Surr)	101		41-120
321-60-8	2-Fluorobiphenyl (Surr)	90		48-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y02826069.D
Lims ID: 480-191204-A-6-A
Client ID: BOR-MW-28-WG
Sample Type: Client
Inject. Date: 25-Oct-2021 15:26:30 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 480-0101890-012
Operator ID: JM Instrument ID: HP5973Y

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 27-Oct-2021 12:31:41 Calib Date: 12-Oct-2021 15:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211012-101584.b\Y02825651.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1684

First Level Reviewer: marshallj Date: 27-Oct-2021 12:14:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.306	6.305	0.001	94	264042	4.00	
* 2 Naphthalene-d8	136	7.398	7.397	0.001	99	964630	4.00	
* 3 Acenaphthene-d10	164	8.882	8.884	-0.002	93	542878	4.00	
* 4 Phenanthrene-d10	188	10.145	10.147	-0.002	95	871941	4.00	
* 5 Chrysene-d12	240	12.784	12.786	-0.002	96	742503	4.00	
* 6 Perylene-d12	264	14.992	14.988	0.004	97	814163	4.00	
$ 7 2-Fluorophenol	112	5.176	5.161	0.015	89	379642	4.86	
$ 8 Phenol-d5	99	5.991	5.984	0.007	0	383630	3.86	
$ 9 Nitrobenzene-d5	82	6.780	6.782	-0.002	87	563027	5.75	
$ 10 2-Fluorobiphenyl	172	8.286	8.288	-0.002	99	1251821	7.19	
$ 11 2,4,6-Tribromophenol	330	9.546	9.548	-0.002	93	207998	8.04	
$ 12 p-Terphenyl-d14	244	11.501	11.498	0.003	96	1158858	6.26	
37 Phenol	94	6.002	5.996	0.006	97	122406	1.16	a

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

Reagents:

MB_LLIS_WRK_00224 Amount Added: 20.00 Units: uL Run Reagent

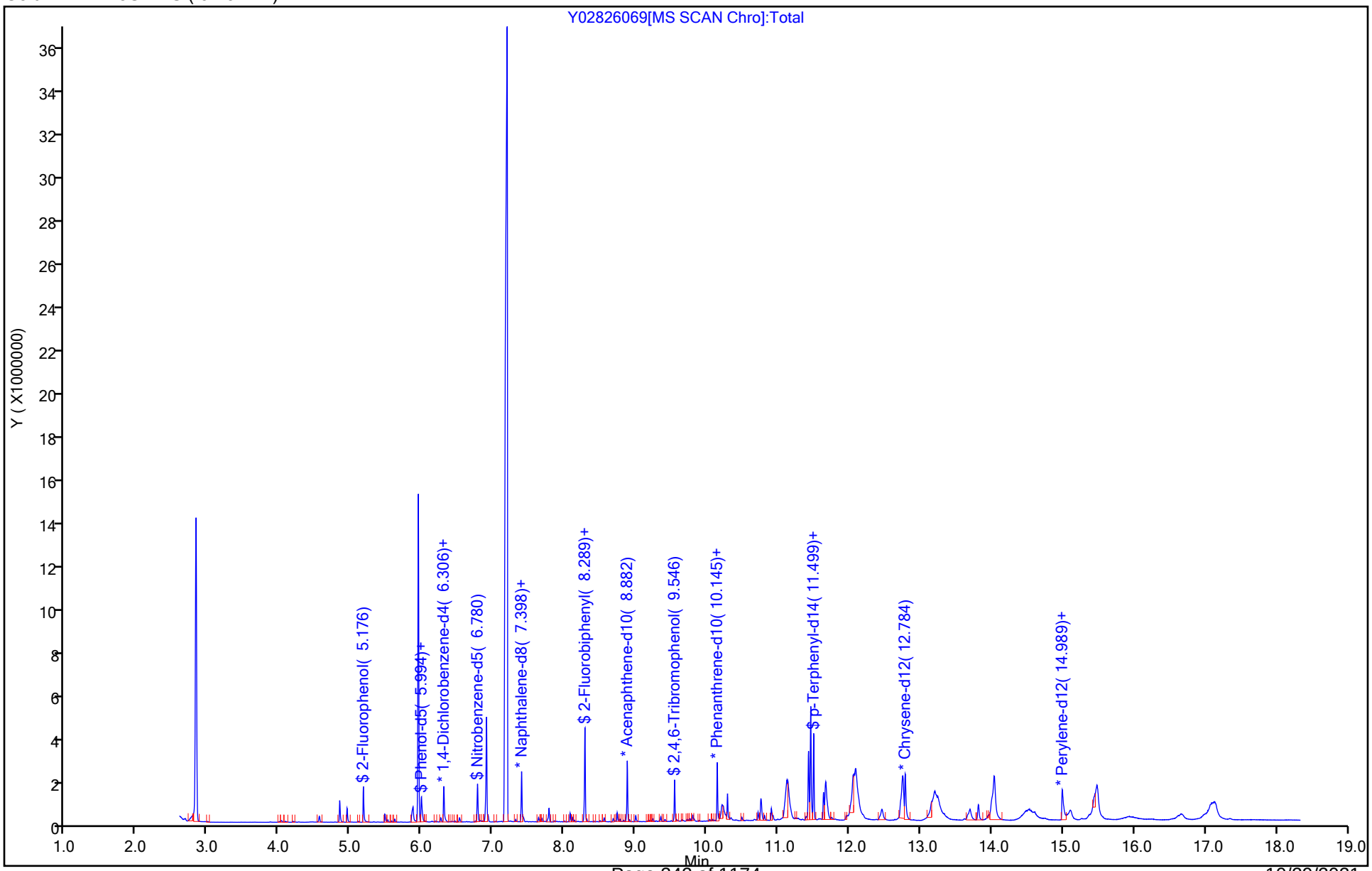
Report Date: 27-Oct-2021 12:31:57 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y02826069.D

Injection Date:	25-Oct-2021 15:26:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	480-191204-A-6-A	Lab Sample ID:	480-191204-6	Worklist Smp#:	12
Client ID:	BOR-MW-28-WG				
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



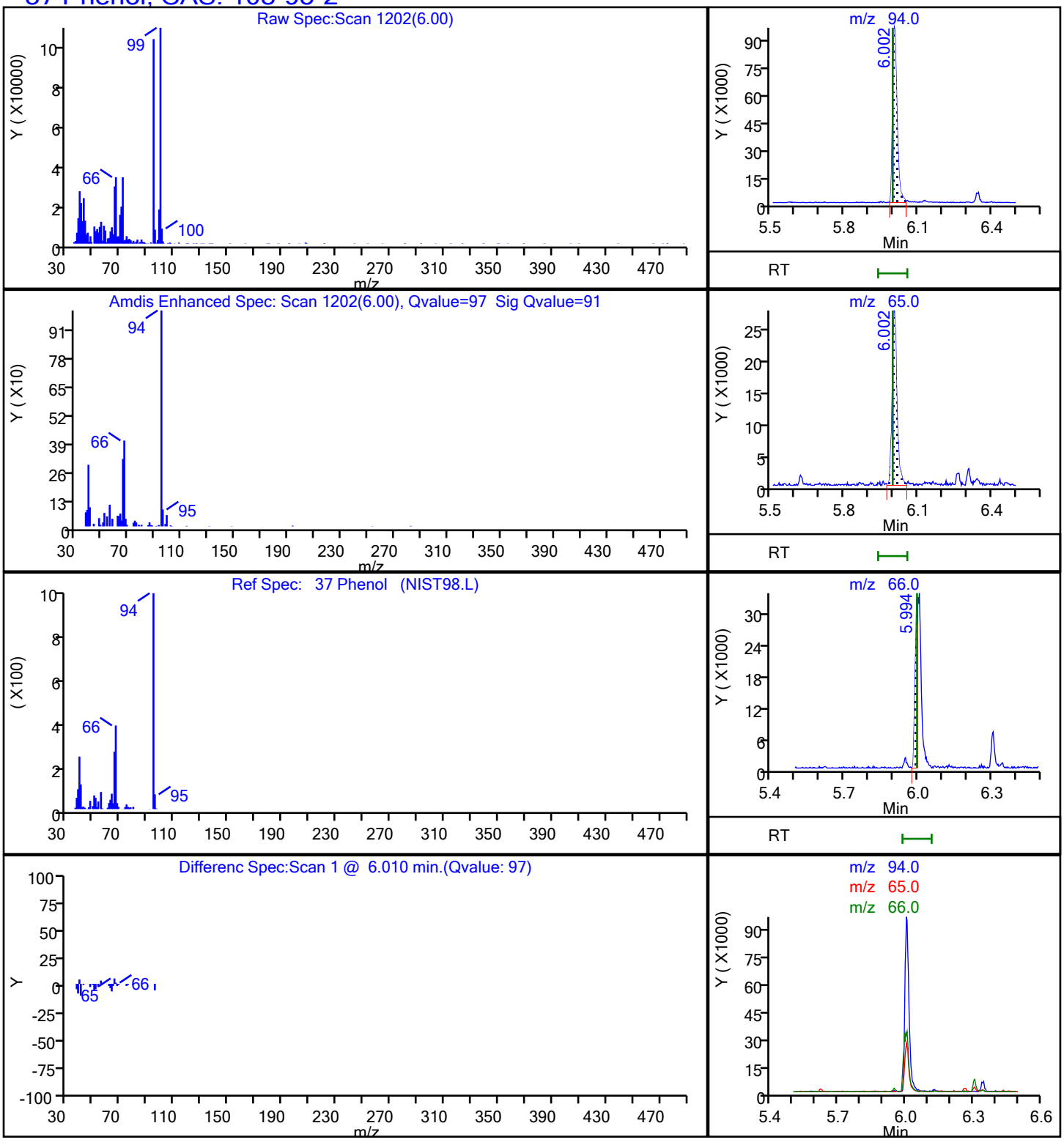
Report Date: 27-Oct-2021 12:31:57 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y02826069.D

Injection Date:	25-Oct-2021 15:26:30	Instrument ID:	HP5973Y		
Lims ID:	480-191204-A-6-A	Lab Sample ID:	480-191204-6		
Client ID:	BOR-MW-28-WG				
Operator ID:	JM	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

37 Phenol, CAS: 108-95-2



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

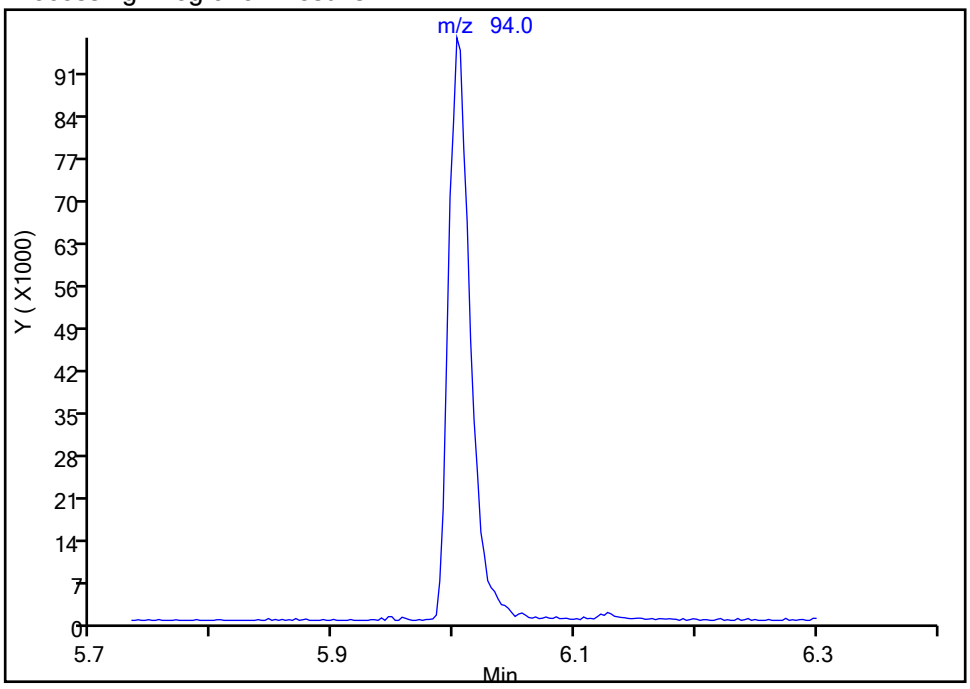
Data File:	\\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y02826069.D				
Injection Date:	25-Oct-2021 15:26:30	Instrument ID:	HP5973Y		
Lims ID:	480-191204-A-6-A	Lab Sample ID:	480-191204-6		
Client ID:	BOR-MW-28-WG				
Operator ID:	JM	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

37 Phenol, CAS: 108-95-2

Signal: 1

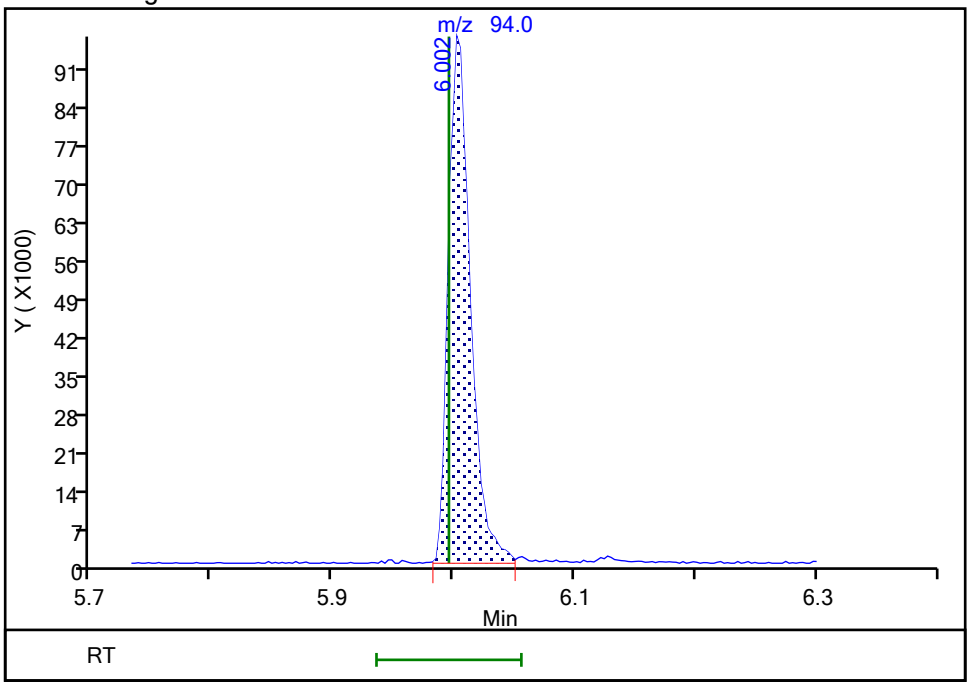
Not Detected
Expected RT: 6.00

Processing Integration Results



Manual Integration Results

RT: 6.00
Area: 122406
Amount: 1.159037
Amount Units: ng/uL



Reviewer: marshallj, 27-Oct-2021 12:14:02
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Client Sample ID: BOR-MW-30-WG Lab Sample ID: 480-191204-7

Matrix: Water Lab File ID: Y02826070.D

Analysis Method: 8270D Date Collected: 10/20/2021 12:00

Extract. Method: 3510C Date Extracted: 10/21/2021 14:44

Sample wt/vol: 250(mL) Date Analyzed: 10/25/2021 15:53

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 2(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 601851 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	8.1		5.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	79		46-120
1718-51-0	p-Terphenyl-d14 (Surr)	92		60-148
4165-62-2	Phenol-d5 (Surr)	50		22-120
367-12-4	2-Fluorophenol (Surr)	64		35-120
118-79-6	2,4,6-Tribromophenol (Surr)	82		41-120
321-60-8	2-Fluorobiphenyl (Surr)	108		48-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y02826070.D
Lims ID: 480-191204-A-7-A
Client ID: BOR-MW-30-WG
Sample Type: Client
Inject. Date: 25-Oct-2021 15:53:30 ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 480-0101890-013
Operator ID: JM Instrument ID: HP5973Y

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 27-Oct-2021 12:31:41 Calib Date: 12-Oct-2021 15:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211012-101584.b\Y02825651.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1684

First Level Reviewer: marshallj Date: 27-Oct-2021 12:14:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.306	6.305	0.001	95	257924	4.00	
* 2 Naphthalene-d8	136	7.395	7.397	-0.002	99	977168	4.00	
* 3 Acenaphthene-d10	164	8.882	8.884	-0.002	97	516466	4.00	
* 4 Phenanthrene-d10	188	10.145	10.147	-0.002	95	897327	4.00	
* 5 Chrysene-d12	240	12.784	12.786	-0.002	98	736287	4.00	
* 6 Perylene-d12	264	14.986	14.988	-0.002	96	784697	4.00	
$ 7 2-Fluorophenol	112	5.179	5.161	0.018	91	393365	5.15	
$ 8 Phenol-d5	99	5.988	5.984	0.004	0	387964	3.99	
$ 9 Nitrobenzene-d5	82	6.777	6.782	-0.005	88	627460	6.32	
$ 10 2-Fluorobiphenyl	172	8.286	8.288	-0.002	99	1430950	8.64	
$ 11 2,4,6-Tribromophenol	330	9.549	9.548	0.001	93	173247	6.54	
$ 12 p-Terphenyl-d14	244	11.498	11.498	0.000	98	1348550	7.35	
37 Phenol	94	5.999	5.996	0.003	98	208315	2.02	

QC Flag Legend

Processing Flags

Reagents:

MB_LLIS_WRK_00224 Amount Added: 20.00 Units: uL Run Reagent

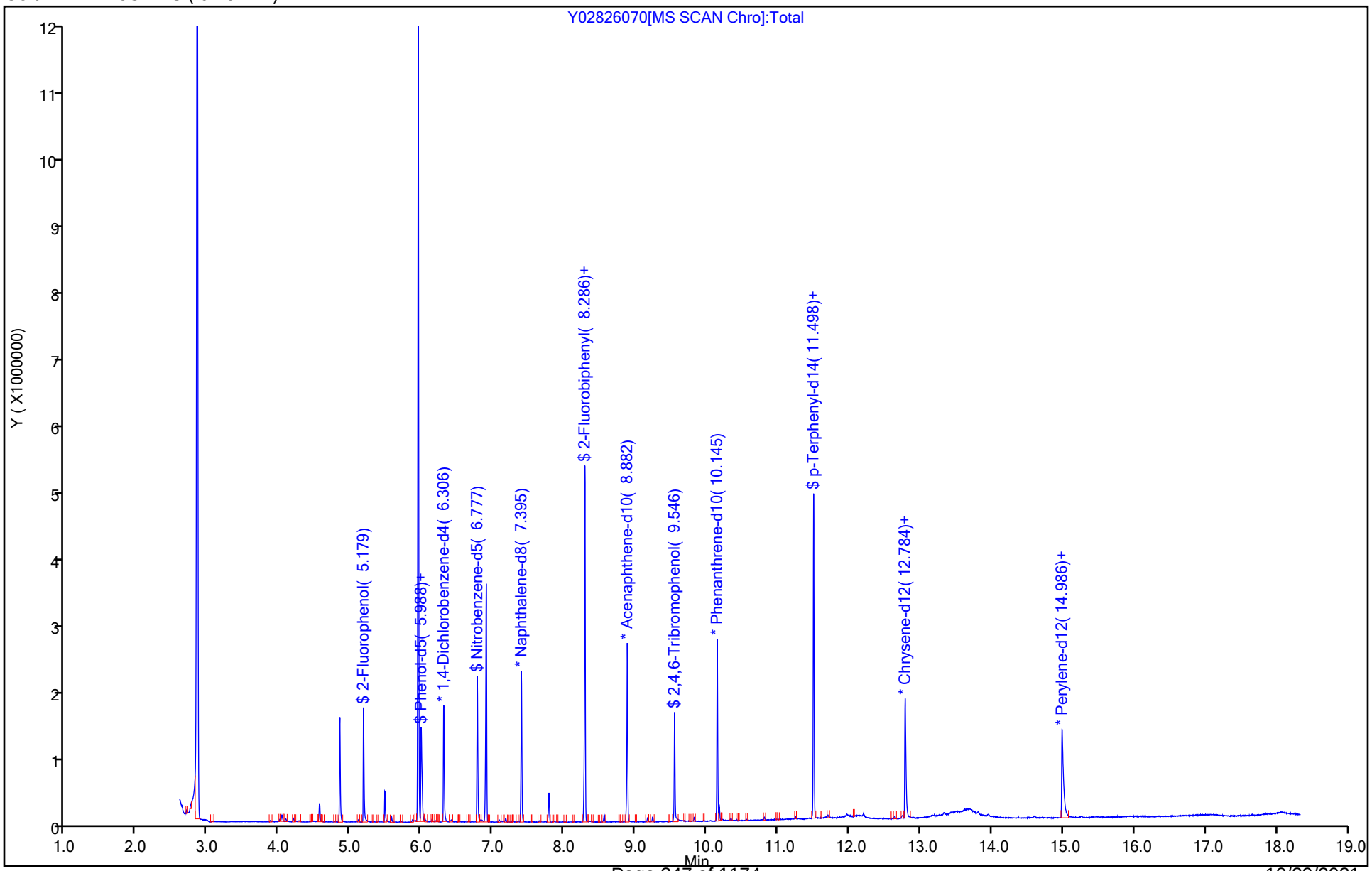
Report Date: 27-Oct-2021 12:31:58 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y02826070.D

Injection Date:	25-Oct-2021 15:53:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	480-191204-A-7-A	Lab Sample ID:	480-191204-7	Worklist Smp#:	13
Client ID:	BOR-MW-30-WG				
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

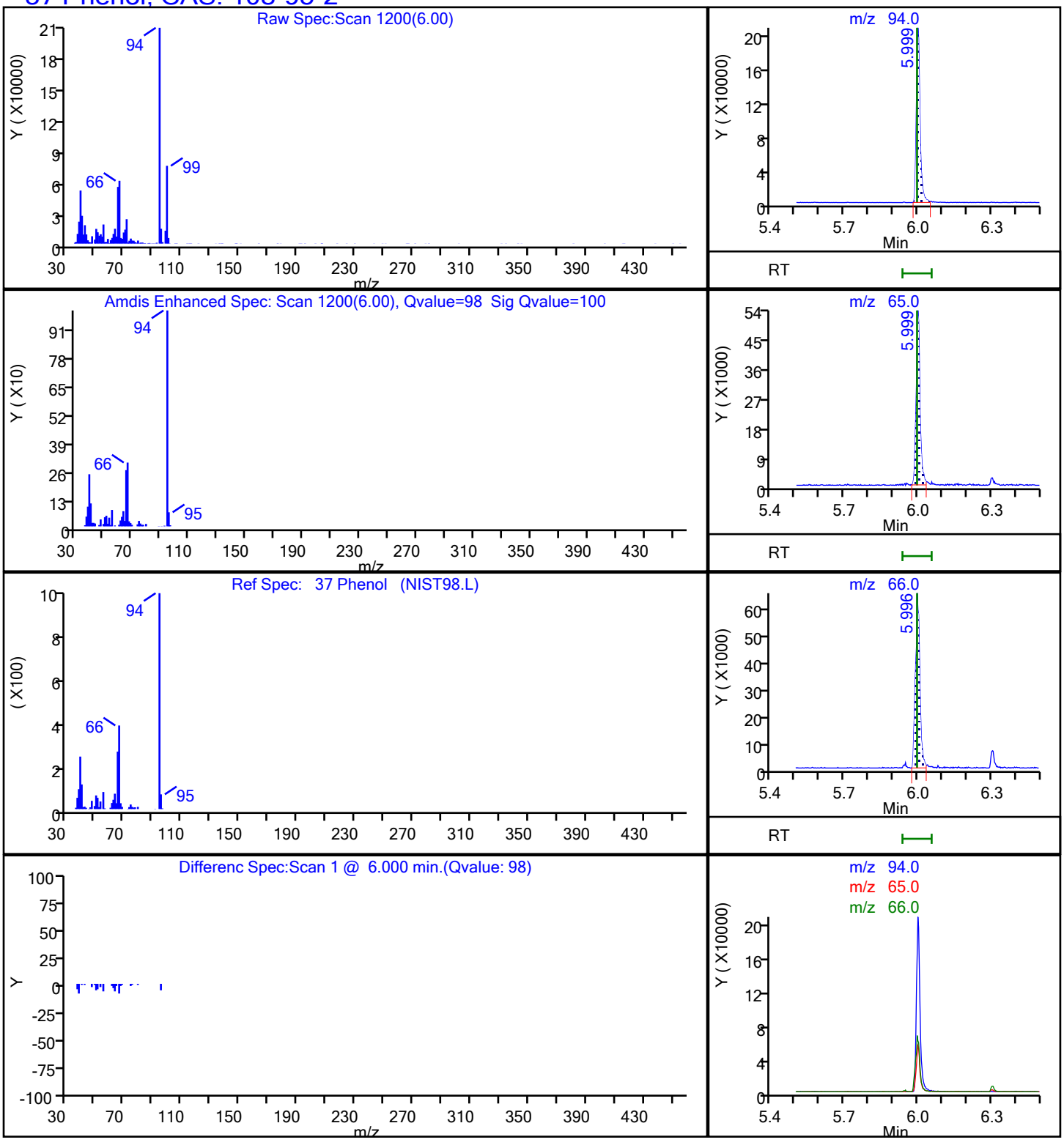
Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y02826070.D				
Injection Date:	25-Oct-2021 15:53:30	Instrument ID:	HP5973Y		
Lims ID:	480-191204-A-7-A	Lab Sample ID:	480-191204-7		
Client ID:	BOR-MW-30-WG				
Operator ID:	JM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

37 Phenol, CAS: 108-95-2



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Client Sample ID: BOR-OW-10R-WG Lab Sample ID: 480-191204-8

Matrix: Water Lab File ID: Y02826068.D

Analysis Method: 8270D Date Collected: 10/20/2021 13:15

Extract. Method: 3510C Date Extracted: 10/21/2021 14:44

Sample wt/vol: 50(mL) Date Analyzed: 10/25/2021 14:59

Con. Extract Vol.: 1(mL) Dilution Factor: 200

Injection Volume: 2(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 601851 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	24000		5000	390

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	229	S1+	46-120
1718-51-0	p-Terphenyl-d14 (Surr)	85		60-148
4165-62-2	Phenol-d5 (Surr)	45		22-120
367-12-4	2-Fluorophenol (Surr)	0	S1-	35-120
118-79-6	2,4,6-Tribromophenol (Surr)	0	S1-	41-120
321-60-8	2-Fluorobiphenyl (Surr)	88		48-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y02826068.D
Lims ID: 480-191204-A-8-B
Client ID: BOR-OW-10R-WG
Sample Type: Client
Inject. Date: 25-Oct-2021 14:59:30 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 2.0 ul Dil. Factor: 200.0000
Sample Info: 480-0101890-011
Operator ID: JM Instrument ID: HP5973Y

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 27-Oct-2021 12:31:41 Calib Date: 12-Oct-2021 15:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211012-101584.b\Y02825651.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1684

First Level Reviewer: marshallj Date: 26-Oct-2021 09:15:23

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.305	6.305	0.000	94	236743	4.00	
* 2 Naphthalene-d8	136	7.398	7.397	0.001	99	878152	4.00	
* 3 Acenaphthene-d10	164	8.882	8.884	-0.002	95	480509	4.00	
* 4 Phenanthrene-d10	188	10.145	10.147	-0.002	96	795622	4.00	
* 5 Chrysene-d12	240	12.784	12.786	-0.002	97	665063	4.00	
* 6 Perylene-d12	264	14.989	14.988	0.000	97	697580	4.00	
$ 7 2-Fluorophenol	112		5.161				ND	
$ 8 Phenol-d5	99	5.985	5.984	0.001	0	1599	0.0179	a
$ 9 Nitrobenzene-d5	82	6.802	6.782	0.020	67	2077	0.0915	Ma
$ 10 2-Fluorobiphenyl	172	8.292	8.288	0.004	97	5446	0.0354	
$ 11 2,4,6-Tribromophenol	330		9.548				ND	
$ 12 p-Terphenyl-d14	244	11.504	11.498	0.006	98	5665	0.0342	
237 Lidocaine	1		0.195				ND	
13 1,4-Dioxane	88		3.181				ND	
14 N-Nitrosodimethylamine	42		3.655				ND	
15 Pyridine	52		3.689				ND	
19 2-Picoline	93		4.580				ND	
18 1-Methylcyclopentanol	71		4.617				ND	
20 N-Nitrosomethylethylamine	88		4.699				ND	
22 Methyl methanesulfonate	80		4.994				ND	
24 Acrylamide	71		4.997				ND	
21 2-Chlorobenzotrifluoride	180		5.167				ND	
23 4-Chlorobenzotrifluoride	180		5.237				ND	
25 n,n'-Dimethylacetamide	87		5.306				ND	
28 N-Nitrosodiethylamine	102		5.369				ND	
26 4-Chloropyridine	78		5.475				ND	
196 CBF-400	214		5.530				ND	
27 3-Chloropyridine	78		5.564				ND	
30 Ethyl methanesulfonate	79		5.633				ND	
29 3-Chlorobenzotrifluoride	180		5.637				ND	
31 2-Chloropyridine	78		5.922				ND	
35 Benzaldehyde	77		5.930				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
257 CBF-500	161	5.954	5.944	0.010	0	28	0.000473	
37 Phenol	94	5.993	5.996	-0.003	98	557497	5.89	
36 Aniline	93		6.021				ND	
39 Bis(2-chloroethyl)ether	93		6.058				ND	
38 Pentachloroethane	167		6.075				ND	
32 2-Chlorotoluene	91		6.081				ND	
33 3-Chlorotoluene	91		6.102				ND	
40 2-Chlorophenol	128		6.132				ND	
34 4-Chlorotoluene	91		6.134				ND	
41 n-Decane	57		6.140				ND	
43 1,3-Dichlorobenzene	146		6.259				ND	
44 1,4-Dichlorobenzene	146		6.322				ND	
42 p-Fluoroaniline	111		6.408				ND	
45 Benzyl alcohol	108		6.418				ND	
46 1,2-Dichlorobenzene	146		6.455				ND	
48 2-Methylphenol	108	6.515	6.509	0.006	93	10648	0.1527	
49 2,2'-oxybis[1-chloropropane]	45		6.521				ND	
47 Indene	115		6.532				ND	
53 N-Nitrosodi-n-propylamine	70		6.631				ND	
50 N-Nitrosopyrrolidine	100		6.632				ND	
57 4-Methylphenol	108	6.649	6.637	0.012	96	7965	0.1096	
52 Acetophenone	105		6.645				ND	
54 N-Nitrosomorpholine	56		6.657				ND	
56 2-Toluidine	106		6.688				ND	
55 4-Methylbenzenamine	106		6.691				ND	
58 Hexachloroethane	117		6.748				ND	
59 Nitrobenzene	77		6.799				ND	
51 N-Methylaniline	106		6.855				ND	
61 N-Nitrosopiperidine	114		6.927				ND	
62 Isophorone	82		6.989				ND	
63 2-Chloroaniline	127		7.046				ND	
64 2-Nitrophenol	139		7.068				ND	
60 2,6-Dichloropyridine	112		7.071				ND	
66 2,4-Dimethylphenol	107		7.082				ND	
68 o,o',o''-Triethylphosphorothioat	198		7.131				ND	
67 Tetraethyl lead	237		7.134				ND	
69 Bis(2-chloroethoxy)methane	93		7.151				ND	
70 Benzoic acid	105		7.202				ND	
71 alpha,alpha-Dimethyl phenethylam	58		7.256				ND	
72 2,4-Dichlorophenol	162		7.275				ND	
65 Benzeneacetonitrile	117		7.282				ND	
73 1,2,4-Trichlorobenzene	180		7.346				ND	
282 2,4-Dichlorotoluene	125		7.383				ND	
75 Alpha-Terpineol	59		7.406				ND	
287 1,3,5-Trichlorobenzene	180		7.416				ND	
74 Naphthalene	128		7.417				ND	
76 4-Chloroaniline	127		7.448				ND	
77 2,6-Dichlorophenol	162		7.460				ND	
78 Hexachloropropene	213		7.500				ND	
79 Hexachlorobutadiene	225		7.508				ND	
286 4-Chlorophenol	128		7.691				ND	
81 Quinoline	129		7.707				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
82 N-Nitrosodi-n-butylamine	84		7.716				ND	
84 Caprolactam	113		7.744				ND	
83 p-Phenylene diamine	108		7.750				ND	
80 Benzeneacetic acid (TIC)	91		7.827				ND	
85 4-Chloro-3-methylphenol	107		7.846				ND	
86 Safrole, Total	162		7.911				ND	
87 2-Methylnaphthalene	142		7.999				ND	
88 Phthalic anhydride	104		8.051				ND	
89 1-Methylnaphthalene	142		8.084				ND	
90 Hexachlorocyclopentadiene	237		8.127				ND	
91 1,2,4,5-Tetrachlorobenzene	216		8.141				ND	
275 Isosafrole Peak 1	162		8.158				ND	
93 2,4,6-Trichlorophenol	196		8.232				ND	
284 2,3-Dichlorobenzenamine	161		8.244				ND	
94 2,4,5-Trichlorophenol	196		8.271				ND	
281 2,4,5-Trichlorotoluene	159		8.296				ND	
198 NVF-400	82	8.297	8.311	-0.014	0	37	0.000169	
258 CU-600	58	8.349	8.316	0.033	0	38	0.000173	
277 Isosafrole Peak 2	162		8.348				ND	
95 Isosafrole	162		8.348				ND	
96 1,1'-Biphenyl	154		8.379				ND	
97 2-Chloronaphthalene	162		8.413				ND	
99 1-Chloronaphthalene	162		8.448				ND	
100 2-Nitroaniline	65		8.487				ND	
103 Dicyclohexylamine	138		8.556				ND	
102 1,4-Naphthoquinone	158		8.570				ND	
104 1,4-Dinitrobenzene	168		8.601				ND	
105 Dimethyl phthalate	163		8.612				ND	
106 1,3-Dinitrobenzene	168		8.663				ND	
107 2,6-Dinitrotoluene	165		8.677				ND	
285 1,2,3,4 -Tetrachlorobenzene	216		8.730				ND	
108 Acenaphthylene	152		8.771				ND	
109 3-Nitroaniline	138		8.830				ND	
110 Acenaphthene	153		8.913				ND	
111 2,4-Dinitrophenol	184		8.927				ND	
112 4-Nitrophenol	109		8.964				ND	
114 2,4-Dinitrotoluene	165		9.023				ND	
113 Pentachlorobenzene	250		9.038				ND	
115 Dibenzofuran	168		9.057				ND	
116 1-Naphthylamine	143		9.129				ND	
117 2,3,5,6-Tetrachlorophenol	232		9.131				ND	
118 2,3,4,6-Tetrachlorophenol	232		9.157				ND	
121 Hexadecane	57		9.188				ND	
120 Diethyl phthalate	149		9.194				ND	
119 2-Naphthylamine	143		9.194				ND	
122 Thionazin	97		9.273				ND	
123 4-Chlorophenyl phenyl ether	204		9.316				ND	
124 Fluorene	166		9.347				ND	
126 4-Nitroaniline	138		9.350				ND	
125 N-Nitro-o-toluidine	152		9.350				ND	
128 Tributyl phosphate	99		9.356				ND	
127 4,6-Dinitro-2-methylphenol	198		9.378				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
130 N-Nitrosodiphenylamine	169		9.415				ND	
129 Diphenylamine	169		9.415				ND	
132 Azobenzene	77		9.457				ND	
131 1,2-Diphenylhydrazine	77		9.457				ND	
134 Sulfotepp	322		9.517				ND	
278 Diallate Peak 1	86		9.651				ND	
136 Diallate	86		9.651				ND	
135 1,3,5-Trinitrobenzene	213		9.656				ND	
137 Phorate	75		9.659				ND	
138 Phenacetin	108		9.665				ND	
280 Diallate Peak 2	86		9.730				ND	
139 4-Bromophenyl phenyl ether	248		9.733				ND	
141 Dimethoate	87		9.810				ND	
140 Hexachlorobenzene	284		9.824				ND	
142 Simazine	201		9.824				ND	
143 Atrazine	200		9.841				ND	
148 n-Octadecane	57		9.957				ND	
144 4-Aminobiphenyl	169		9.966				ND	
145 Pentachlorophenol	266		9.980				ND	
147 Pronamide	173		9.986				ND	
146 Pentachloronitrobenzene	237		10.000				ND	
149 Disulfoton	88		10.096				ND	
150 Dinoseb	211		10.113				ND	
151 Phenanthrene	178		10.167				ND	
152 Anthracene	178		10.212				ND	
153 Carbazole	167		10.331				ND	
154 Alachlor	160		10.417				ND	
155 Methyl parathion	109		10.425				ND	
157 Di-n-butyl phthalate	149		10.556				ND	
158 Ethyl Parathion	97		10.740				ND	
161 Methapyrilene	58		10.834				ND	
160 Anthraquinone	180		10.854				ND	
288 2-Methylanthracene	192		10.885				ND	
162 Isodrin	193		11.050				ND	U
159 4-Nitroquinoline-1-oxide	190		11.103				ND	
164 Fluoranthene	202		11.194				ND	
165 1-Hydroxyanthraquinone	224		11.237				ND	
166 Benzidine	184		11.268				ND	
167 Pyrene	202		11.413				ND	
276 Aramite Peak 1	185		11.441				ND	
168 Aramite, Total	185		11.512				ND	
279 Aramite Peak 2	185		11.512				ND	U
170 p-Dimethylamino azobenzene	120		11.648				ND	
171 Chlorobenzilate	251		11.671				ND	
169 1,4-Dihydroxyanthraquinone	240		11.705				ND	
241 5-Methyl-o-Anisidine	122		11.753				ND	
172 Famphur	218		11.932				ND	
174 Butyl benzyl phthalate	149		11.966				ND	
175 9-Octadecenamide	59		11.966				ND	
173 3,3'-Dimethylbenzidine	212		12.006				ND	
176 Kepone	272		12.108				ND	
177 2-Acetylaminofluorene	181		12.327				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
181 Bis(2-ethylhexyl) phthalate	149		12.636				ND	
178 4,4'-Methylene bis(2-chloroani	231		12.664				ND	
179 3,3'-Dichlorobenzidine	252		12.672				ND	
180 Benzo[a]anthracene	228		12.772				ND	
182 Chrysene	228		12.823				ND	
183 6-Methylchrysene	242		13.462				ND	
184 Di-n-octyl phthalate	149		13.549				ND	
185 7,12-Dimethylbenz(a)anthracene	256		14.310				ND	
186 Benzo[b]fluoranthene	252		14.372				ND	
187 Benzo[k]fluoranthene	252		14.415				ND	
192 Hexachlorophene	196		14.639				ND	
189 Benzo[a]pyrene	252		14.909				ND	
283 Benzo[e]pyrene	252	15.318	15.335	-0.017	1	131	NC	
190 3-Methylcholanthrene	268		15.448				ND	
191 Dibenz[a,h]acridine	279		16.373				ND	U
194 Dibenz(a,h)anthracene	278		16.781				ND	
193 Indeno[1,2,3-cd]pyrene	276		16.824				ND	
195 Benzo[g,h,i]perylene	276		17.363				ND	
199 CAG-800	149		19.675				ND	
256 CN-500	112		19.994				ND	
197 Dibenzo[a,e]pyrene	302		21.642				ND	
295 4-Bromofluorobenzene TIC	1		0.000				ND	
299 1-Bromo-3-fluorobenzene TIC	1		0.000				ND	
290 1,3-Dibromobenzene TIC	1		0.000				ND	
294 3'-Bromoacetophenone TIC	1		0.000				ND	
302 1-Bromo-2-chloroethane TIC	1		0.000				ND	
301 3-Amino-4-Chlorobenzotrifluoride	1		0.000				ND	
293 3-Nitro-4-Chlorobenzotrifluoride	1		0.000				ND	
303 Carbofuran	1		0.000				ND	
298 2-Bromopyridine TIC	1		0.000				ND	
291 1,4-Dibromobenzene TIC	1		0.000				ND	
296 1,2-dichloro-4-(trifluoromethyl)	1		0.000				ND	
292 Ethylene Dibromide TIC	1		0.000				ND	
300 1-Bromo-4-ethylbenzene TIC	1		0.000				ND	
297 Fluorobenzene TIC	1		0.000				ND	
222 2-Chlorobenzotrifluoride TIC	1		0.195				ND	
211 Pendimethalin (TIC)	1		0.195				ND	
210 Dibenzo[a,h]pyrene	1		0.195				ND	
238 Phenylacetic Acid	1		0.195				ND	
233 4-Chlorobenzotrifluoride TIC	1		0.195				ND	
240 Prometryn (TIC)	1		0.195				ND	
204 2,6-Dichlorotoluene TIC	1		0.195				ND	
227 Dibenz[a,j]acridine	279		0.195				ND	
225 Dibenz(a,i)pyrene	1		0.195				ND	
224 1-Bromopropane	1		0.195				ND	
205 Phenylmercaptan	110		0.195				ND	
206 2,4-Toluene diamine	1		0.195				ND	
247 Benefin (TIC)	1		0.195				ND	
201 7H-Dibenzo[c,g]carbazole	1		0.195				ND	
215 trans Azobenzene (TIC)	1		0.195				ND	
218 3-Chlorobenzotrifluoride TIC	1		0.195				ND	
230 2,3-Dichlorophenol	1		0.195				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
219 Photomirex TIC	1		0.195				ND	
212 Hexamethyldisiloxane TIC	1		0.195				ND	
220 Tetramethyl lead TIC	1		0.195				ND	
244 Pendimethalin	1		0.195				ND	
254 4,4'-DDD	235		11.779				ND	
S 259 Chlorobenzotrifluoride N.O.S	1		0.195				ND	
S 261 Total Cresols	1				0		0.2623	
S 260 Chlorotoluene N.O.S	1		0.195				ND	
S 263 3-Methylphenol	1				0		0.1096	
S 262 3 & 4 Methylphenol	108				0		0.1096	
S 264 EPH Adjustment 1	1		0.195				ND	
T 242 1,3-phenylenediamine TIC	108		0.195				ND	
T 243 2,4-Xylidine TIC	121		0.195				ND	
T 226 Tris(2,3-dibromopropyl)phosphate	201		0.195				ND	
T 231 1-Methylnaphthalene (TIC)	142		8.254				ND	
T 305 5-Methyl-o-Anisidine TIC	122	8.885	8.501	0.384	14	7049	0.0321	
T 306 o-Anisidine TIC	80		8.504				ND	U
T 304 2-Ethoxyethanol TIC	59	15.874	8.543	7.331	11	256	0.001166	
T 156 2,3,7,8-TCDD	322		12.718				ND	
T 274 2-Aminopyridine TIC	99		13.164				ND	U
T 213 4,4'-Methylene bis(2-chloroaniline)	231	15.684	15.440	0.244	1	36	0.000164	
T 289 2,3,7,8-TCDD TIC	322		0.000				ND	

QC Flag Legend

Processing Flags
- NC - Not Calibrated

Review Flags
- M - Manually Integrated
- U - Marked Undetected
- a - User Assigned ID

Reagents:

MB_LLIS_WRK_00224 Amount Added: 20.00 Units: uL Run Reagent

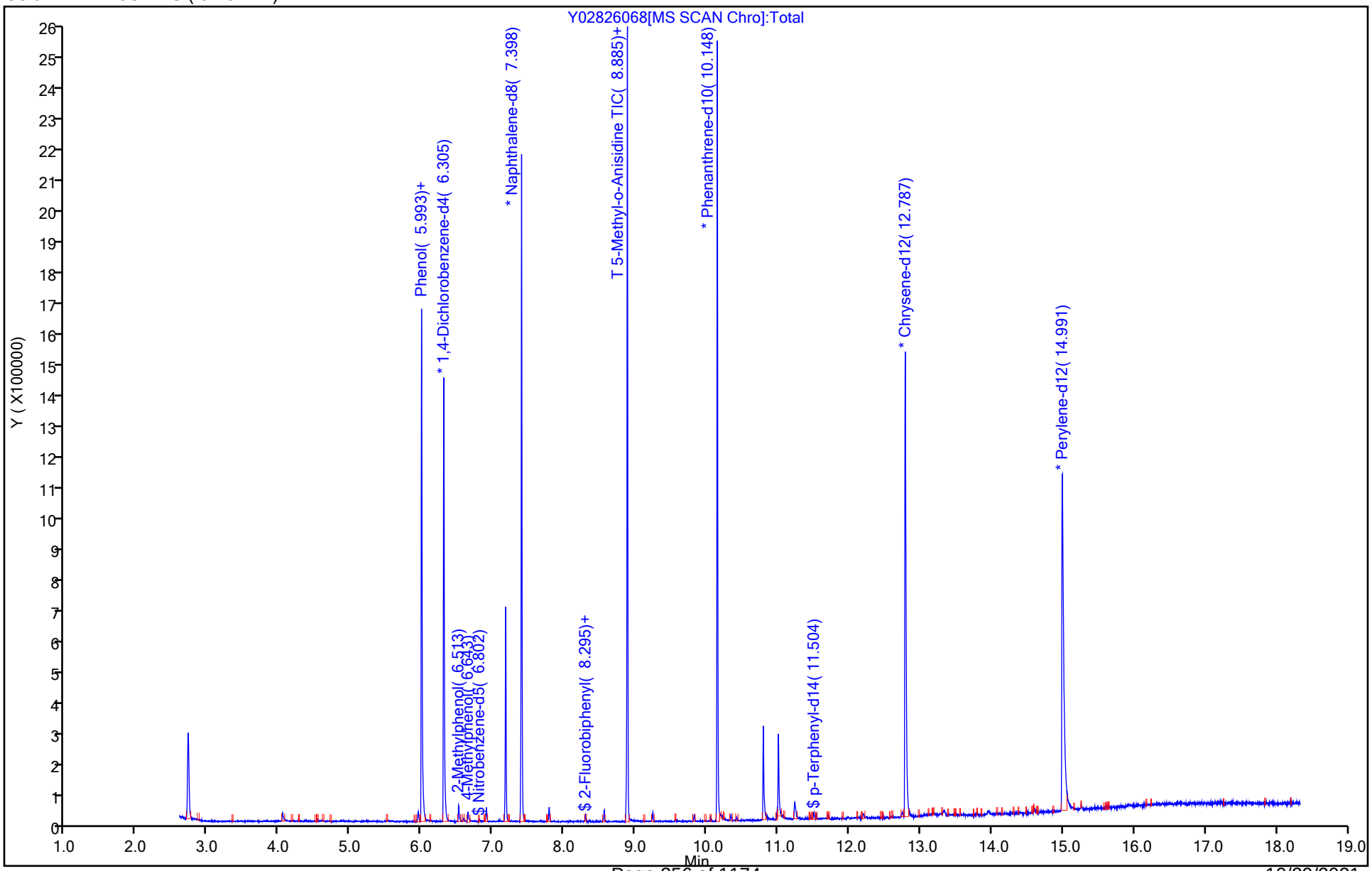
Report Date: 27-Oct-2021 12:31:55 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y02826068.D

Injection Date:	25-Oct-2021 14:59:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	480-191204-A-8-B	Lab Sample ID:	480-191204-8	Worklist Smp#:	11
Client ID:	BOR-OW-10R-WG				
Injection Vol:	2.0 ul	Dil. Factor:	200.0000	ALS Bottle#:	11
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

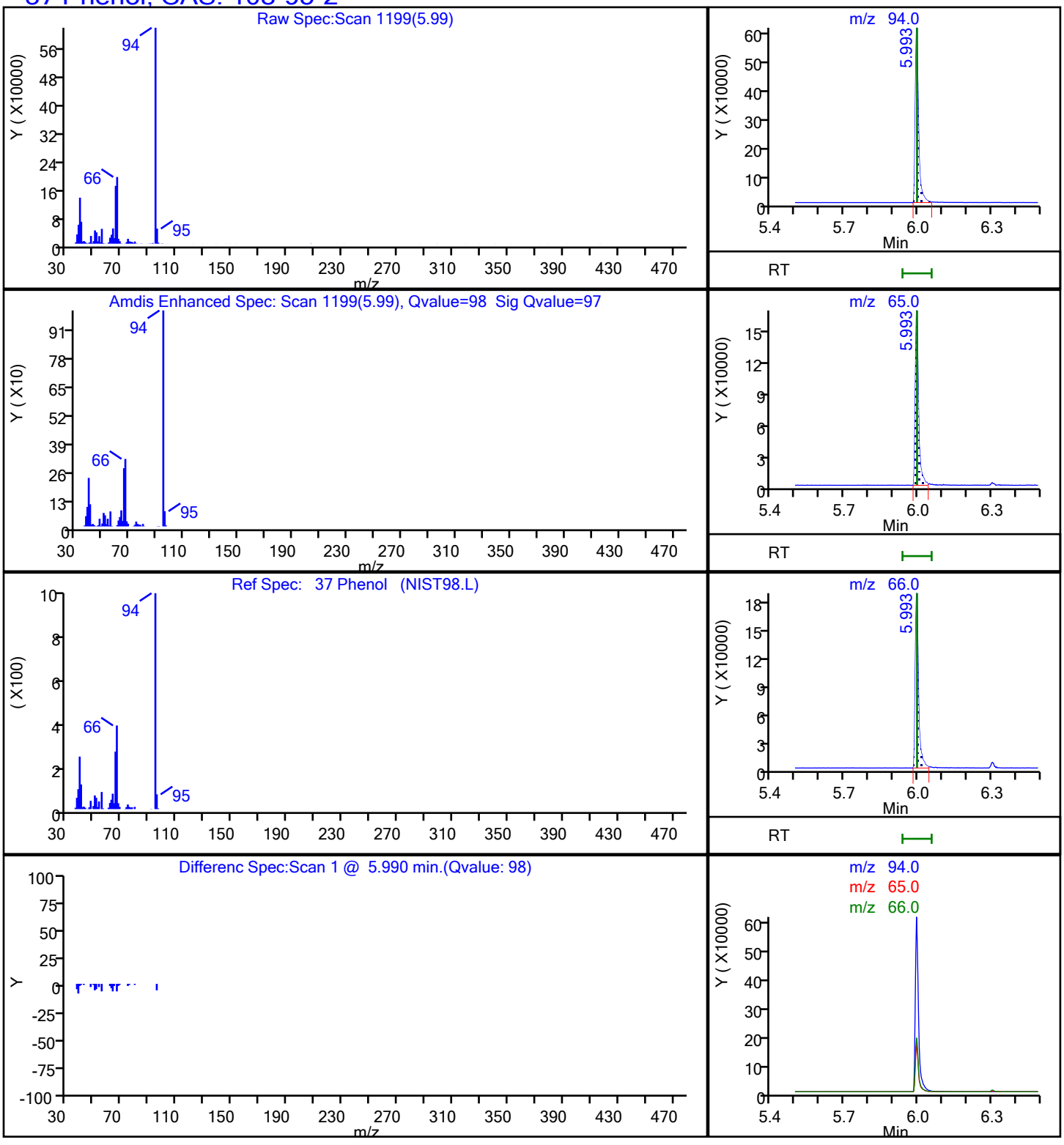
Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y02826068.D				
Injection Date:	25-Oct-2021 14:59:30	Instrument ID:	HP5973Y		
Lims ID:	480-191204-A-8-B	Lab Sample ID:	480-191204-8		
Client ID:	BOR-OW-10R-WG				
Operator ID:	JM	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	2.0 ul	Dil. Factor:	200.0000		
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

37 Phenol, CAS: 108-95-2



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

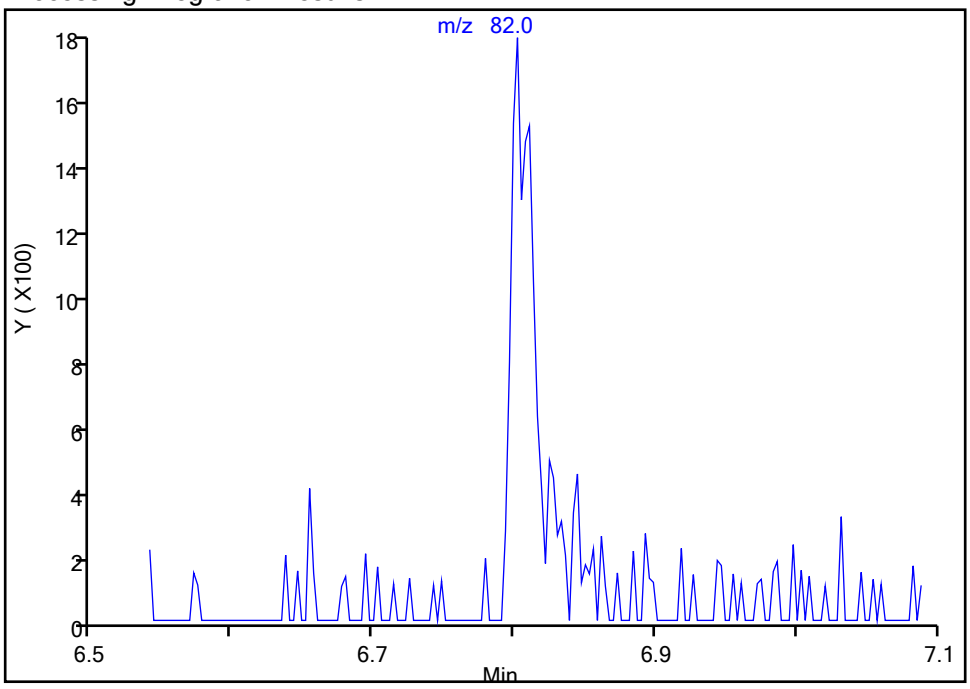
Data File:	\\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y02826068.D				
Injection Date:	25-Oct-2021 14:59:30	Instrument ID:	HP5973Y		
Lims ID:	480-191204-A-8-B	Lab Sample ID:	480-191204-8		
Client ID:	BOR-OW-10R-WG				
Operator ID:	JM	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	2.0 ul	Dil. Factor:	200.0000		
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

$ 9 Nitrobenzene-d5, CAS: 4165-60-0

Signal: 1

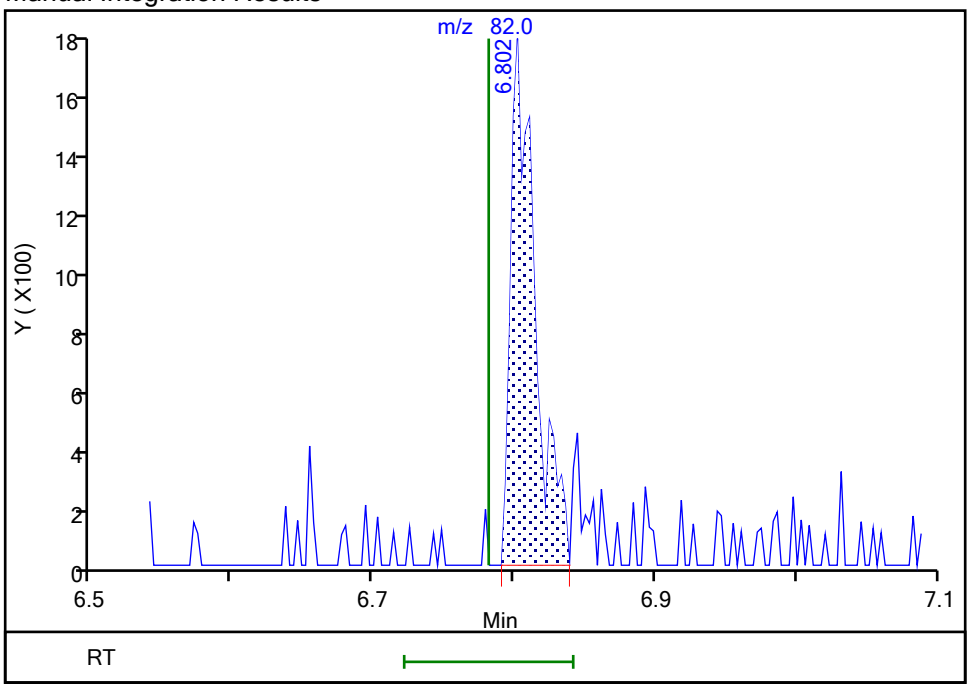
Not Detected
Expected RT: 6.78

Processing Integration Results



Manual Integration Results

RT: 6.80
Area: 2077
Amount: 0.091519
Amount Units: ng/uL



Reviewer: marshallj, 27-Oct-2021 12:04:41
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

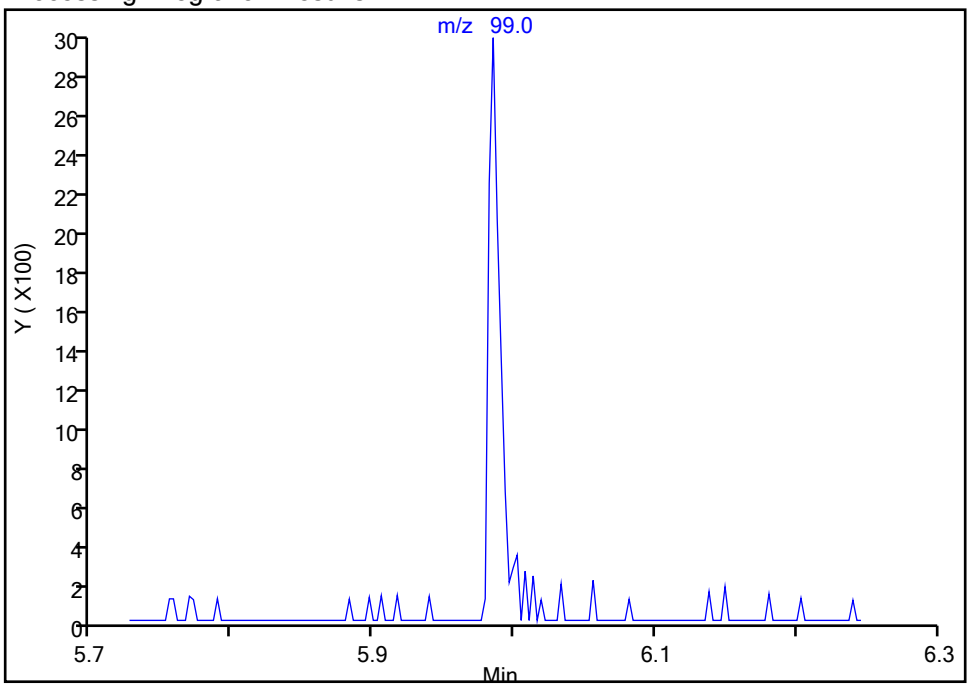
Data File:	\\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y02826068.D				
Injection Date:	25-Oct-2021 14:59:30	Instrument ID:	HP5973Y		
Lims ID:	480-191204-A-8-B	Lab Sample ID:	480-191204-8		
Client ID:	BOR-OW-10R-WG				
Operator ID:	JM	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	2.0 ul	Dil. Factor:	200.0000		
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

$ 8 Phenol-d5, CAS: 4165-62-2

Signal: 1

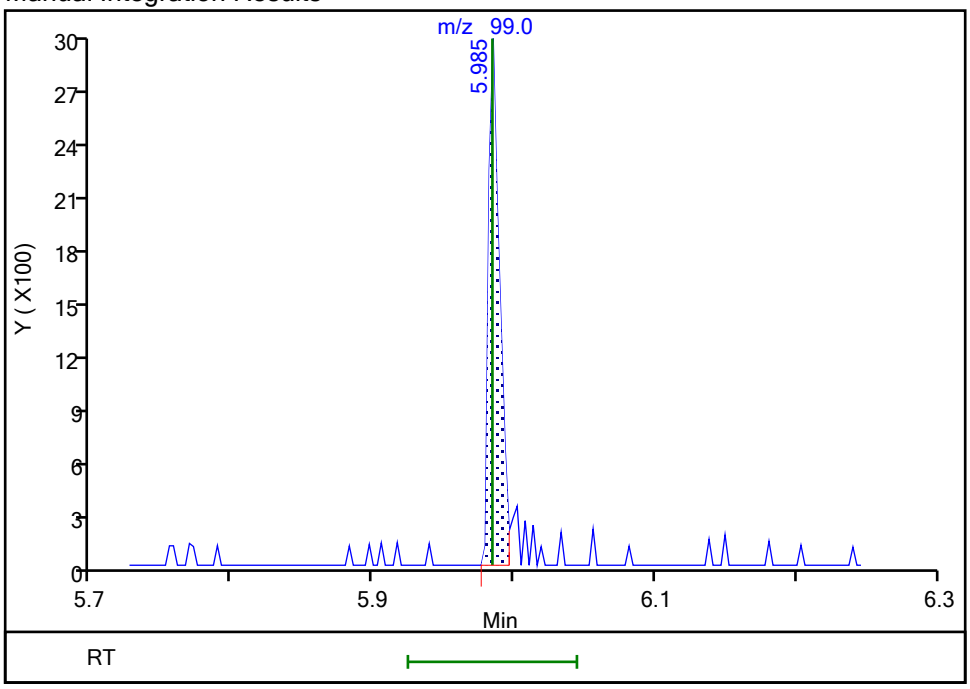
Not Detected
Expected RT: 5.98

Processing Integration Results



Manual Integration Results

RT: 5.98
Area: 1599
Amount: 0.017932
Amount Units: ng/uL



Reviewer: marshallj, 27-Oct-2021 12:04:26
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Client Sample ID: BOR-OW-35R-WG Lab Sample ID: 480-191204-9

Matrix: Water Lab File ID: Y02826071.D

Analysis Method: 8270D Date Collected: 10/20/2021 14:40

Extract. Method: 3510C Date Extracted: 10/21/2021 14:44

Sample wt/vol: 250(mL) Date Analyzed: 10/25/2021 16:20

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 2(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 601851 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	6.2		5.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	85		46-120
1718-51-0	p-Terphenyl-d14 (Surr)	93		60-148
4165-62-2	Phenol-d5 (Surr)	56		22-120
367-12-4	2-Fluorophenol (Surr)	77		35-120
118-79-6	2,4,6-Tribromophenol (Surr)	114		41-120
321-60-8	2-Fluorobiphenyl (Surr)	110		48-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y02826071.D
Lims ID: 480-191204-A-9-A
Client ID: BOR-OW-35R-WG
Sample Type: Client
Inject. Date: 25-Oct-2021 16:20:30 ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 480-0101890-014
Operator ID: JM Instrument ID: HP5973Y

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 27-Oct-2021 12:31:41 Calib Date: 12-Oct-2021 15:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211012-101584.b\Y02825651.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1684

First Level Reviewer: marshallj Date: 27-Oct-2021 12:14:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.306	6.305	0.001	94	256294	4.00	
* 2 Naphthalene-d8	136	7.404	7.397	0.007	99	963286	4.00	
* 3 Acenaphthene-d10	164	8.883	8.884	-0.001	95	525741	4.00	
* 4 Phenanthrene-d10	188	10.145	10.147	-0.002	95	898170	4.00	
* 5 Chrysene-d12	240	12.784	12.786	-0.002	97	739196	4.00	
* 6 Perylene-d12	264	14.989	14.988	0.001	97	771114	4.00	
$ 7 2-Fluorophenol	112	5.180	5.161	0.019	90	465867	6.13	
$ 8 Phenol-d5	99	5.991	5.984	0.007	0	433925	4.49	
$ 9 Nitrobenzene-d5	82	6.786	6.782	0.004	87	665605	6.80	
$ 10 2-Fluorobiphenyl	172	8.290	8.288	0.002	99	1477536	8.77	
$ 11 2,4,6-Tribromophenol	330	9.547	9.548	-0.001	93	242653	9.09	
$ 12 p-Terphenyl-d14	244	11.499	11.498	0.001	96	1364784	7.41	
37 Phenol	94	6.005	5.996	0.009	98	159364	1.55	

QC Flag Legend
Processing Flags

Reagents:
MB_LLIS_WRK_00224 Amount Added: 20.00 Units: uL Run Reagent

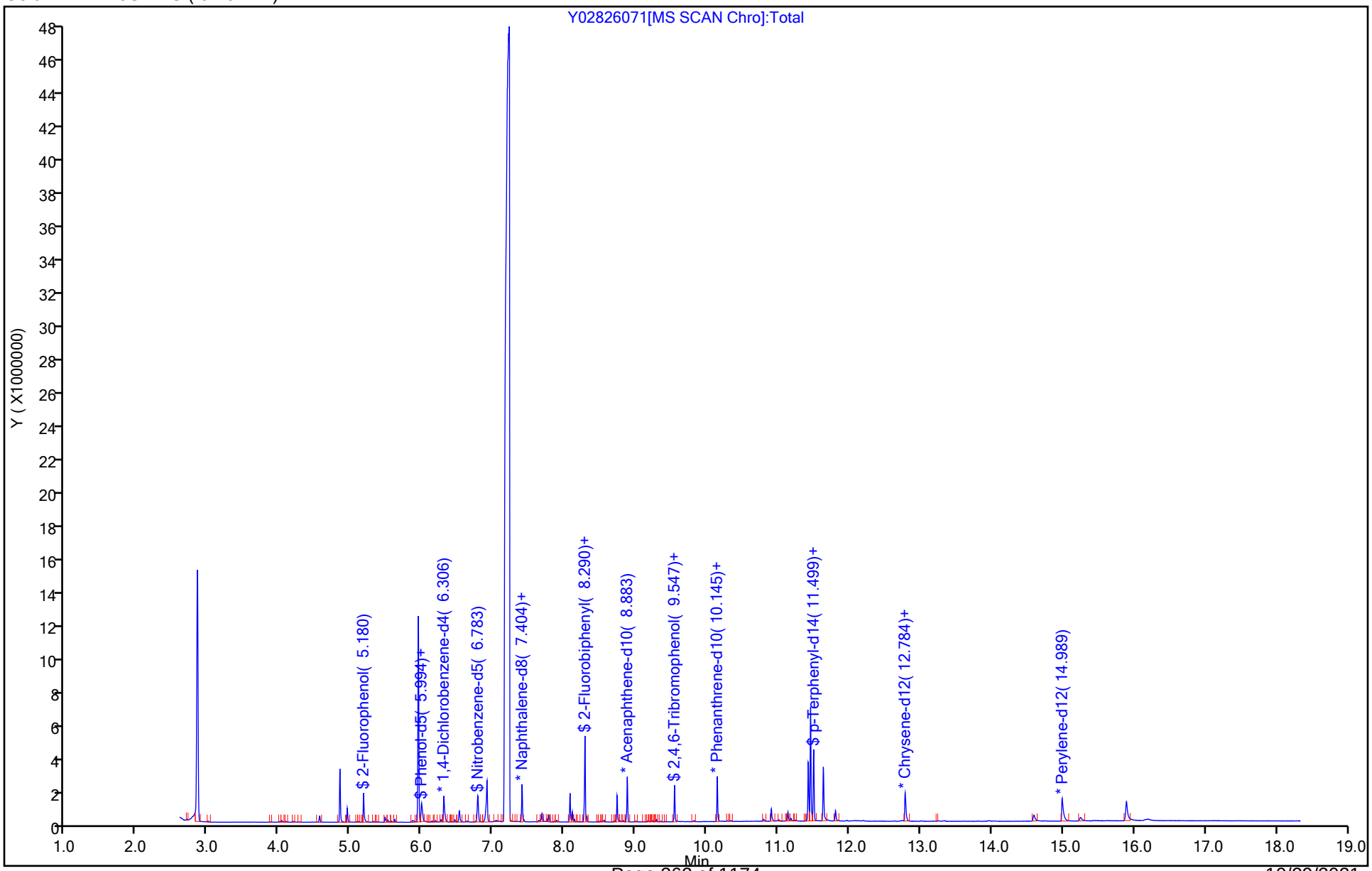
Report Date: 27-Oct-2021 12:32:00 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y02826071.D

Injection Date:	25-Oct-2021 16:20:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	480-191204-A-9-A	Lab Sample ID:	480-191204-9	Worklist Smp#:	14
Client ID:	BOR-OW-35R-WG				
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

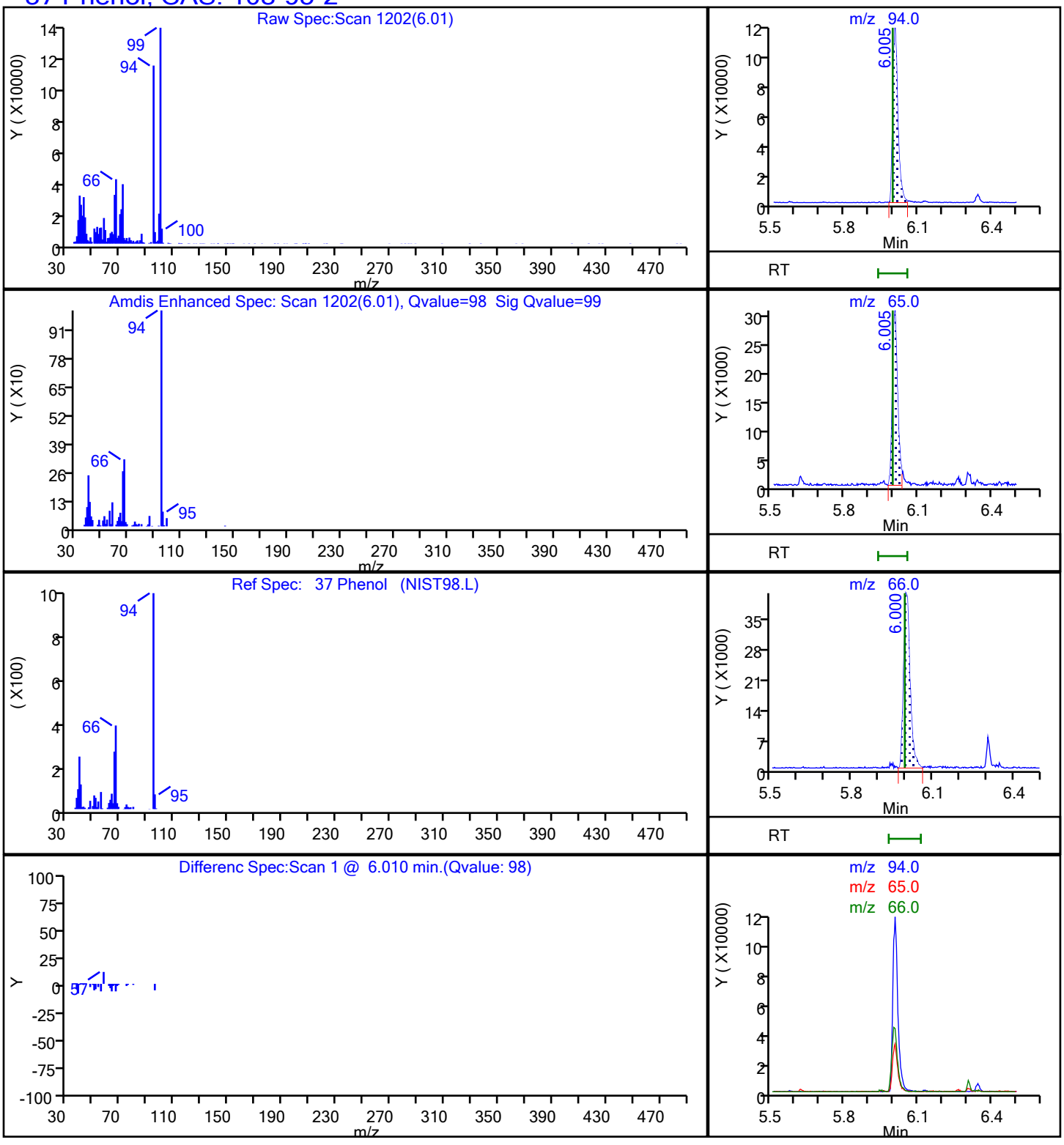
Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y02826071.D				
Injection Date:	25-Oct-2021 16:20:30	Instrument ID:	HP5973Y		
Lims ID:	480-191204-A-9-A	Lab Sample ID:	480-191204-9		
Client ID:	BOR-OW-35R-WG				
Operator ID:	JM	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

37 Phenol, CAS: 108-95-2



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Client Sample ID: BOR-DUP-2-WG Lab Sample ID: 480-191204-10

Matrix: Water Lab File ID: Y02826072.D

Analysis Method: 8270D Date Collected: 10/20/2021 08:00

Extract. Method: 3510C Date Extracted: 10/21/2021 14:44

Sample wt/vol: 50(mL) Date Analyzed: 10/25/2021 16:47

Con. Extract Vol.: 1(mL) Dilution Factor: 500

Injection Volume: 2(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 601851 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	30000		13000	980

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	0	S1-	46-120
1718-51-0	p-Terphenyl-d14 (Surr)	110		60-148
4165-62-2	Phenol-d5 (Surr)	0	S1-	22-120
367-12-4	2-Fluorophenol (Surr)	0	S1-	35-120
118-79-6	2,4,6-Tribromophenol (Surr)	0	S1-	41-120
321-60-8	2-Fluorobiphenyl (Surr)	97		48-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y02826072.D
Lims ID: 480-191204-A-10-A
Client ID: BOR-DUP-2-WG
Sample Type: Client
Inject. Date: 25-Oct-2021 16:47:30 ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 2.0 ul Dil. Factor: 500.0000
Sample Info: 480-0101890-015
Operator ID: JM Instrument ID: HP5973Y

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 27-Oct-2021 12:31:41 Calib Date: 12-Oct-2021 15:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211012-101584.b\Y02825651.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1684

First Level Reviewer: marshallj Date: 27-Oct-2021 12:15:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.305	6.305	0.000	94	233103	4.00	
* 2 Naphthalene-d8	136	7.397	7.397	0.000	99	854483	4.00	
* 3 Acenaphthene-d10	164	8.882	8.884	-0.002	93	476441	4.00	
* 4 Phenanthrene-d10	188	10.147	10.147	0.000	95	794477	4.00	
* 5 Chrysene-d12	240	12.783	12.786	-0.003	98	674822	4.00	
* 6 Perylene-d12	264	14.991	14.988	0.003	97	682565	4.00	
$ 7 2-Fluorophenol	112		5.161				ND	
$ 8 Phenol-d5	99		5.984				ND	
$ 9 Nitrobenzene-d5	82		6.782				ND	
$ 10 2-Fluorobiphenyl	172	8.294	8.288	0.006	96	2368	0.0155	
$ 11 2,4,6-Tribromophenol	330		9.548				ND	
$ 12 p-Terphenyl-d14	244	11.503	11.498	0.005	95	2947	0.0175	
37 Phenol	94	5.996	5.996	0.000	97	279062	2.99	

QC Flag Legend
Processing Flags

Reagents:
MB_LLIS_WRK_00224 Amount Added: 20.00 Units: uL Run Reagent

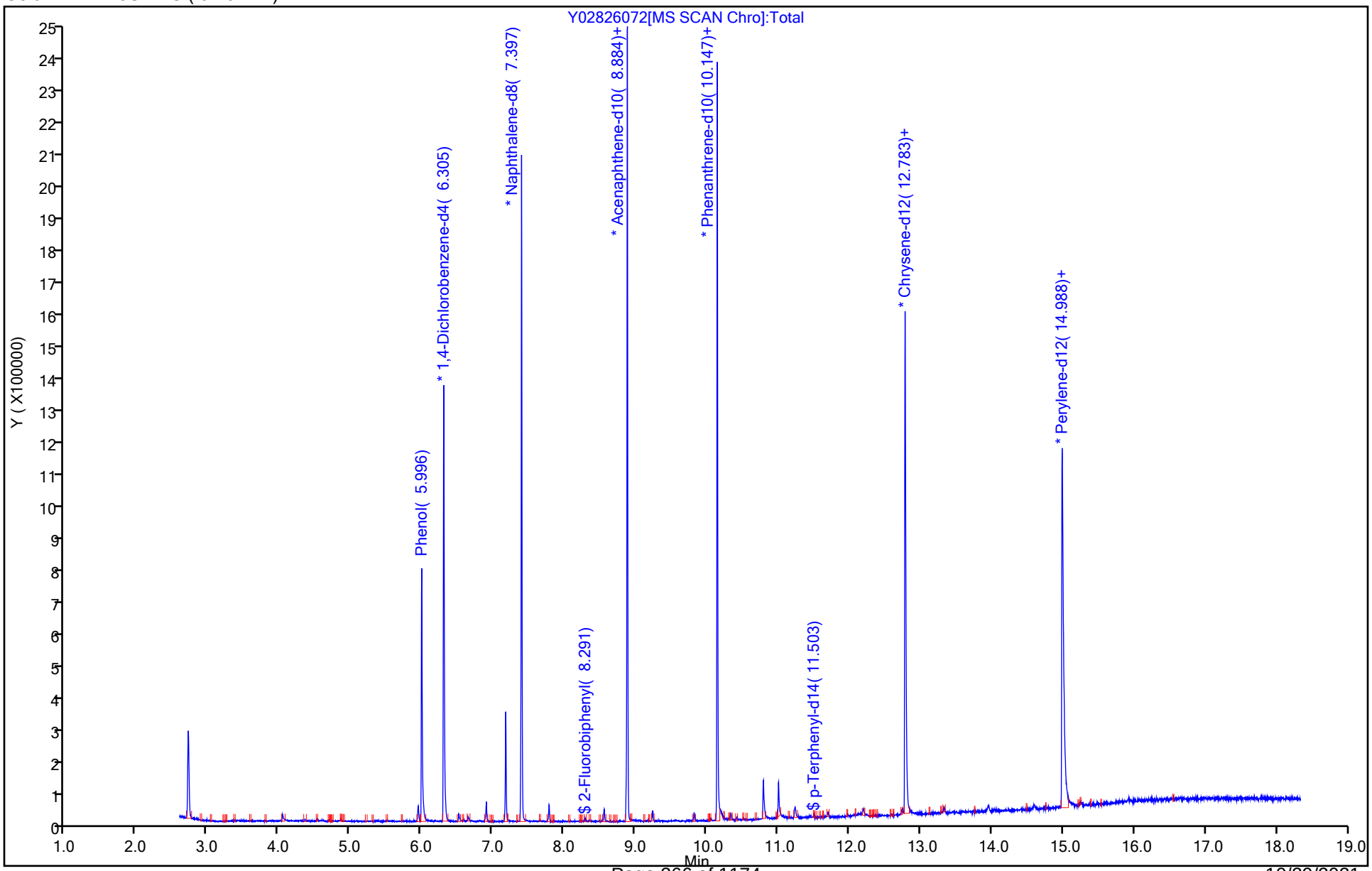
Report Date: 27-Oct-2021 12:32:01 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y02826072.D

Injection Date:	25-Oct-2021 16:47:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	480-191204-A-10-A	Lab Sample ID:	480-191204-10	Worklist Smp#:	15
Client ID:	BOR-DUP-2-WG				
Injection Vol:	2.0 ul	Dil. Factor:	500.0000	ALS Bottle#:	15
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



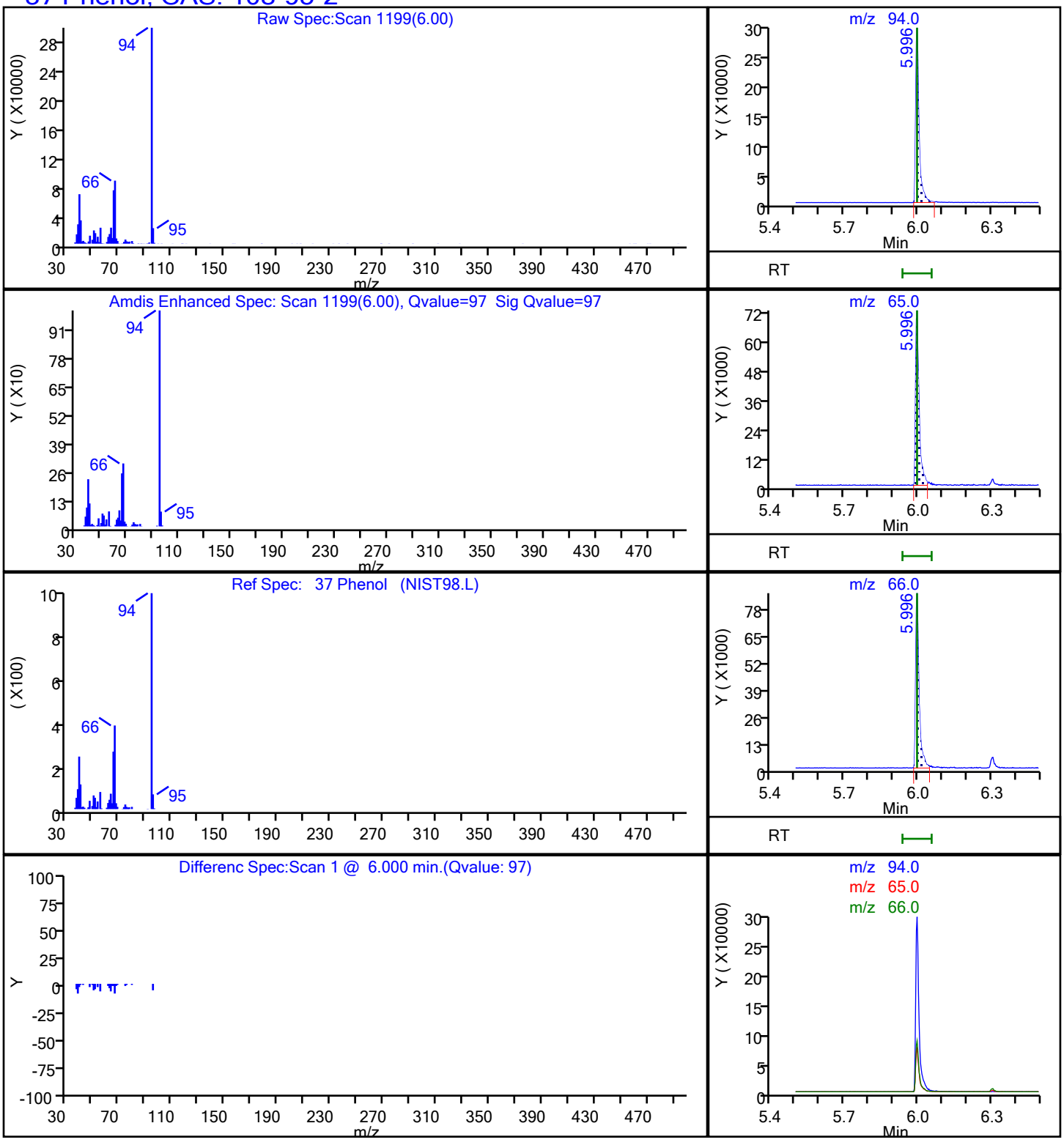
Report Date: 27-Oct-2021 12:32:01 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y02826072.D

Injection Date:	25-Oct-2021 16:47:30	Instrument ID:	HP5973Y		
Lims ID:	480-191204-A-10-A	Lab Sample ID:	480-191204-10		
Client ID:	BOR-DUP-2-WG				
Operator ID:	JM	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	2.0 ul	Dil. Factor:	500.0000		
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

37 Phenol, CAS: 108-95-2



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Client Sample ID: BOR-MW-15-WG Lab Sample ID: 480-191204-13

Matrix: Water Lab File ID: Y02826139.D

Analysis Method: 8270D Date Collected: 10/20/2021 13:30

Extract. Method: 3510C Date Extracted: 10/21/2021 14:44

Sample wt/vol: 50(mL) Date Analyzed: 10/27/2021 02:21

Con. Extract Vol.: 1(mL) Dilution Factor: 5000

Injection Volume: 2(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 602004 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	610000		130000	9800

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	0	S1-	46-120
1718-51-0	p-Terphenyl-d14 (Surr)	0	S1-	60-148
4165-62-2	Phenol-d5 (Surr)	0	S1-	22-120
367-12-4	2-Fluorophenol (Surr)	0	S1-	35-120
118-79-6	2,4,6-Tribromophenol (Surr)	0	S1-	41-120
321-60-8	2-Fluorobiphenyl (Surr)	0	S1-	48-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211026-101924.b\Y02826139.D
Lims ID: 480-191204-B-13-A
Client ID: BOR-MW-15-WG
Sample Type: Client
Inject. Date: 27-Oct-2021 02:21:30 ALS Bottle#: 24 Worklist Smp#: 24
Injection Vol: 2.0 ul Dil. Factor: 5000.0000
Sample Info: 480-0101924-024
Operator ID: JM Instrument ID: HP5973Y

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211026-101924.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 27-Oct-2021 14:45:34 Calib Date: 12-Oct-2021 15:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211012-101584.b\Y02825651.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1684

First Level Reviewer: marshallj Date: 27-Oct-2021 14:42:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.303	6.305	-0.002	94	246161	4.00	
* 2 Naphthalene-d8	136	7.396	7.398	-0.002	99	877261	4.00	
* 3 Acenaphthene-d10	164	8.883	8.882	0.001	93	492924	4.00	
* 4 Phenanthrene-d10	188	10.145	10.144	0.001	95	775706	4.00	
* 5 Chrysene-d12	240	12.781	12.783	-0.002	96	727567	4.00	
* 6 Perylene-d12	264	14.989	15.002	-0.013	97	761537	4.00	
$ 7 2-Fluorophenol	112		5.161				ND	
$ 8 Phenol-d5	99		5.987				ND	U
$ 9 Nitrobenzene-d5	82		6.779				ND	
$ 10 2-Fluorobiphenyl	172		8.288				ND	
$ 11 2,4,6-Tribromophenol	330		9.548				ND	
$ 12 p-Terphenyl-d14	244		11.498				ND	
37 Phenol	94	5.994	5.996	-0.002	98	599852	6.09	

QC Flag Legend

Processing Flags
Review Flags
U - Marked Undetected

Reagents:

MB_LLIS_WRK_00224 Amount Added: 20.00 Units: uL Run Reagent

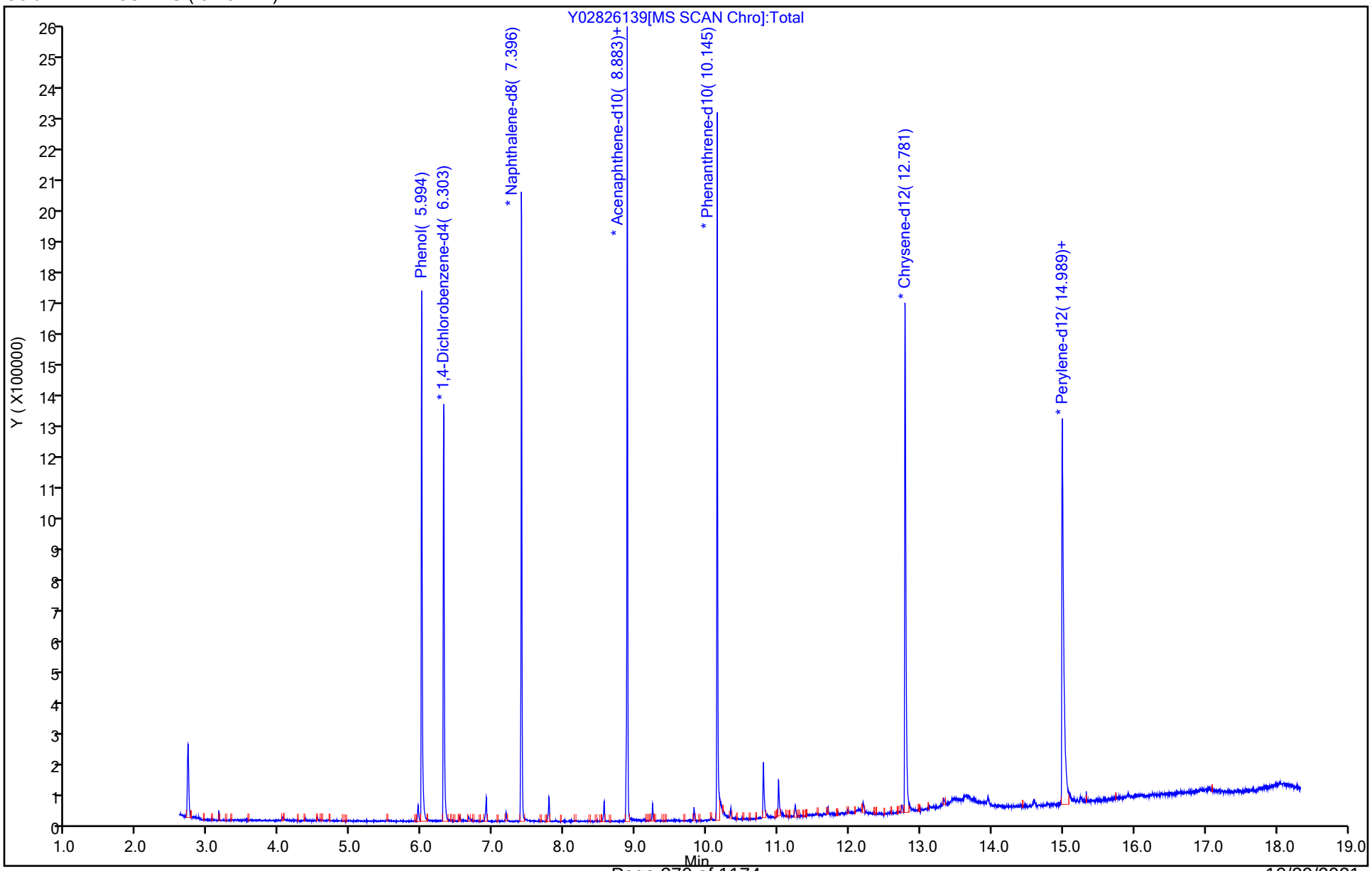
Report Date: 27-Oct-2021 14:46:04 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211026-101924.b\Y02826139.D

Injection Date:	27-Oct-2021 02:21:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	480-191204-B-13-A	Lab Sample ID:	480-191204-13	Worklist Smp#:	24
Client ID:	BOR-MW-15-WG				
Injection Vol:	2.0 ul	Dil. Factor:	5000.0000	ALS Bottle#:	24
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)

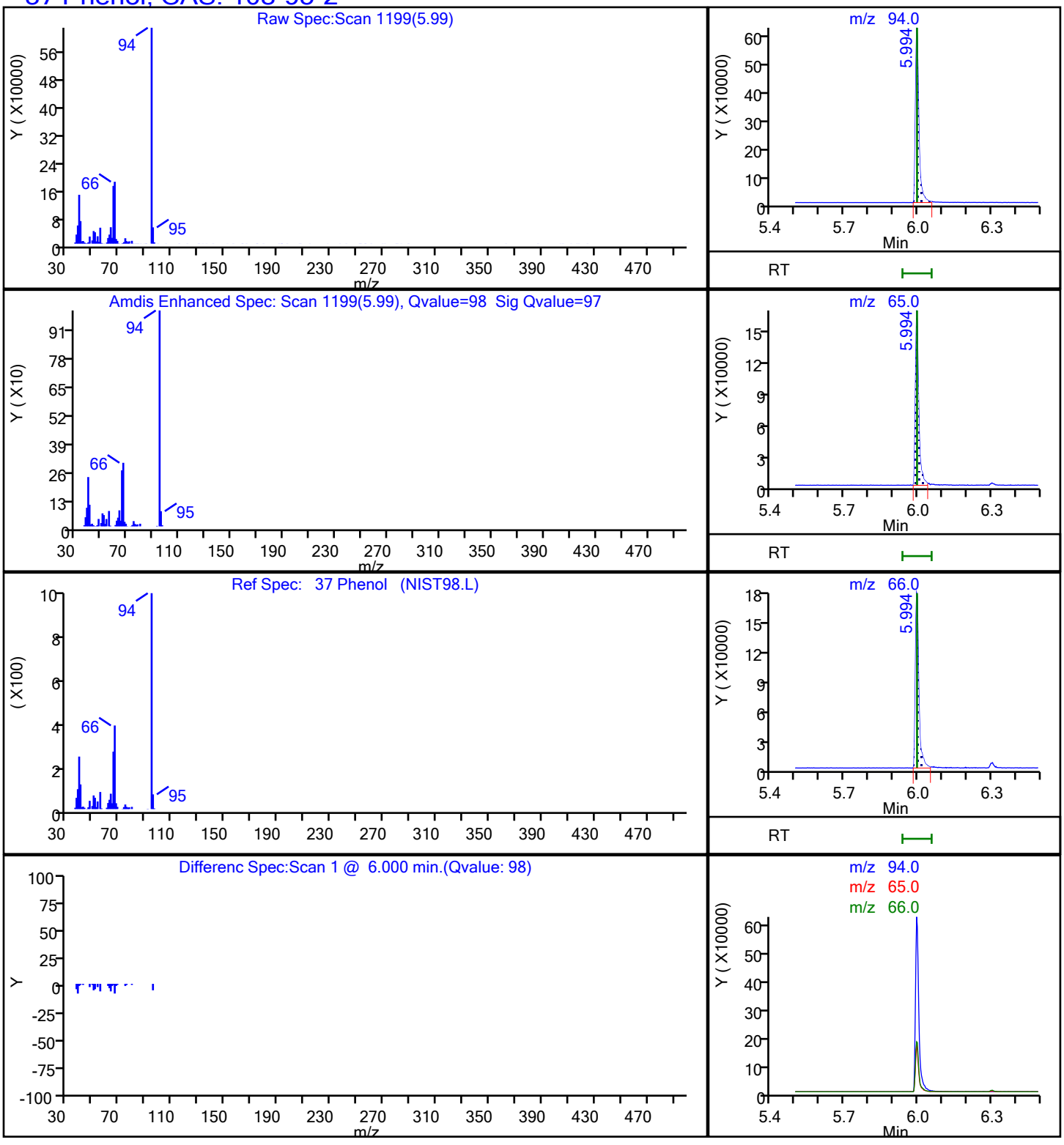


Report Date: 27-Oct-2021 14:46:05 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973Y\20211026-101924.b\Y02826139.D				
Injection Date:	27-Oct-2021 02:21:30	Instrument ID:	HP5973Y		
Lims ID:	480-191204-B-13-A	Lab Sample ID:	480-191204-13		
Client ID:	BOR-MW-15-WG				
Operator ID:	JM	ALS Bottle#:	24	Worklist Smp#:	24
Injection Vol:	2.0 ul	Dil. Factor:	5000.0000		
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

37 Phenol, CAS: 108-95-2



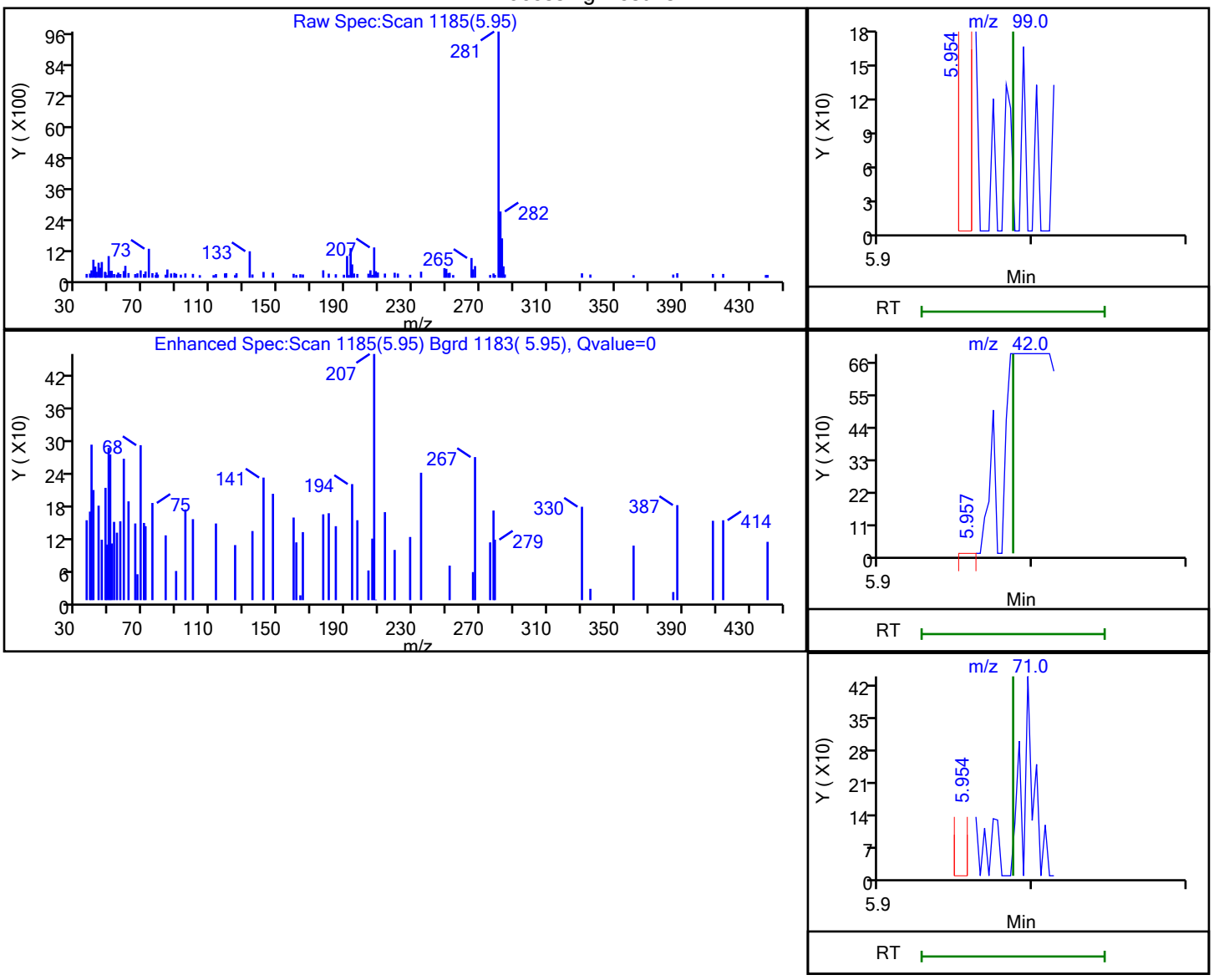
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973Y\20211026-101924.b\Y02826139.D				
Injection Date:	27-Oct-2021 02:21:30	Instrument ID:	HP5973Y		
Lims ID:	480-191204-B-13-A	Lab Sample ID:	480-191204-13		
Client ID:	BOR-MW-15-WG				
Operator ID:	JM	ALS Bottle#:	24	Worklist Smp#:	24
Injection Vol:	2.0 ul	Dil. Factor:	5000.0000		
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

$ 8 Phenol-d5, CAS: 4165-62-2

Processing Results



RT	Mass	Response	Amount
5.95	99.00	46	0.000496
5.96	42.00	150	
5.95	71.00	81	

Reviewer: marshallj, 27-Oct-2021 14:42:09

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Client Sample ID: BOR-MW-35R-WG Lab Sample ID: 480-191204-14

Matrix: Water Lab File ID: Y02826074.D

Analysis Method: 8270D Date Collected: 10/19/2021 15:20

Extract. Method: 3510C Date Extracted: 10/21/2021 14:44

Sample wt/vol: 250(mL) Date Analyzed: 10/25/2021 17:42

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 2(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 601851 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	5.0		5.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	86		46-120
1718-51-0	p-Terphenyl-d14 (Surr)	116		60-148
4165-62-2	Phenol-d5 (Surr)	65		22-120
367-12-4	2-Fluorophenol (Surr)	79		35-120
118-79-6	2,4,6-Tribromophenol (Surr)	108		41-120
321-60-8	2-Fluorobiphenyl (Surr)	111		48-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y02826074.D
Lims ID: 480-191204-A-14-A
Client ID: BOR-MW-35R-WG
Sample Type: Client
Inject. Date: 25-Oct-2021 17:42:30 ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 480-0101890-017
Operator ID: JM Instrument ID: HP5973Y

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 27-Oct-2021 12:49:54 Calib Date: 12-Oct-2021 15:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211012-101584.b\Y02825651.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1684

First Level Reviewer: marshallj Date: 27-Oct-2021 12:16:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.308	6.305	0.003	94	249782	4.00	
* 2 Naphthalene-d8	136	7.395	7.397	-0.002	99	904747	4.00	
* 3 Acenaphthene-d10	164	8.881	8.884	-0.003	95	496397	4.00	
* 4 Phenanthrene-d10	188	10.144	10.147	-0.003	96	831202	4.00	
* 5 Chrysene-d12	240	12.786	12.786	0.000	98	678349	4.00	
* 6 Perylene-d12	264	14.988	14.988	0.000	97	696602	4.00	
$ 7 2-Fluorophenol	112	5.184	5.161	0.023	91	936391	12.6	
$ 8 Phenol-d5	99	5.987	5.984	0.003	0	971905	10.3	
$ 9 Nitrobenzene-d5	82	6.779	6.782	-0.003	87	1266811	13.7	
$ 10 2-Fluorobiphenyl	172	8.288	8.288	0.000	98	2813865	17.7	
$ 11 2,4,6-Tribromophenol	330	9.548	9.548	0.000	92	432507	17.3	
$ 12 p-Terphenyl-d14	244	11.501	11.498	0.003	96	3143776	18.6	
37 Phenol	94	6.001	5.996	0.005	98	124359	1.24	a

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

Reagents:

MB_LLIS_WRK_00224 Amount Added: 20.00 Units: uL Run Reagent

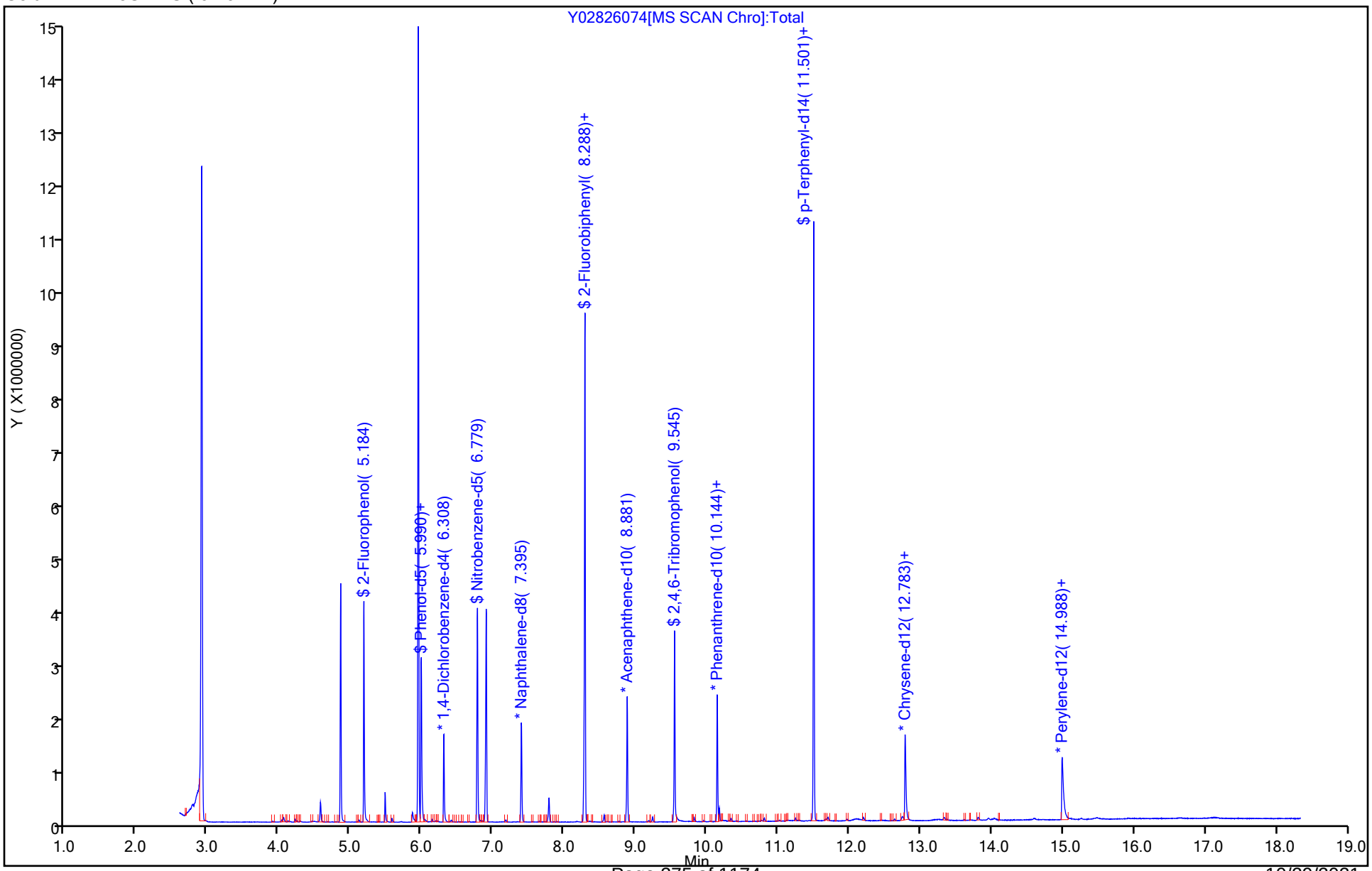
Report Date: 27-Oct-2021 12:50:17 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y02826074.D

Injection Date:	25-Oct-2021 17:42:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	480-191204-A-14-A	Lab Sample ID:	480-191204-14	Worklist Smp#:	17
Client ID:	BOR-MW-35R-WG				
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

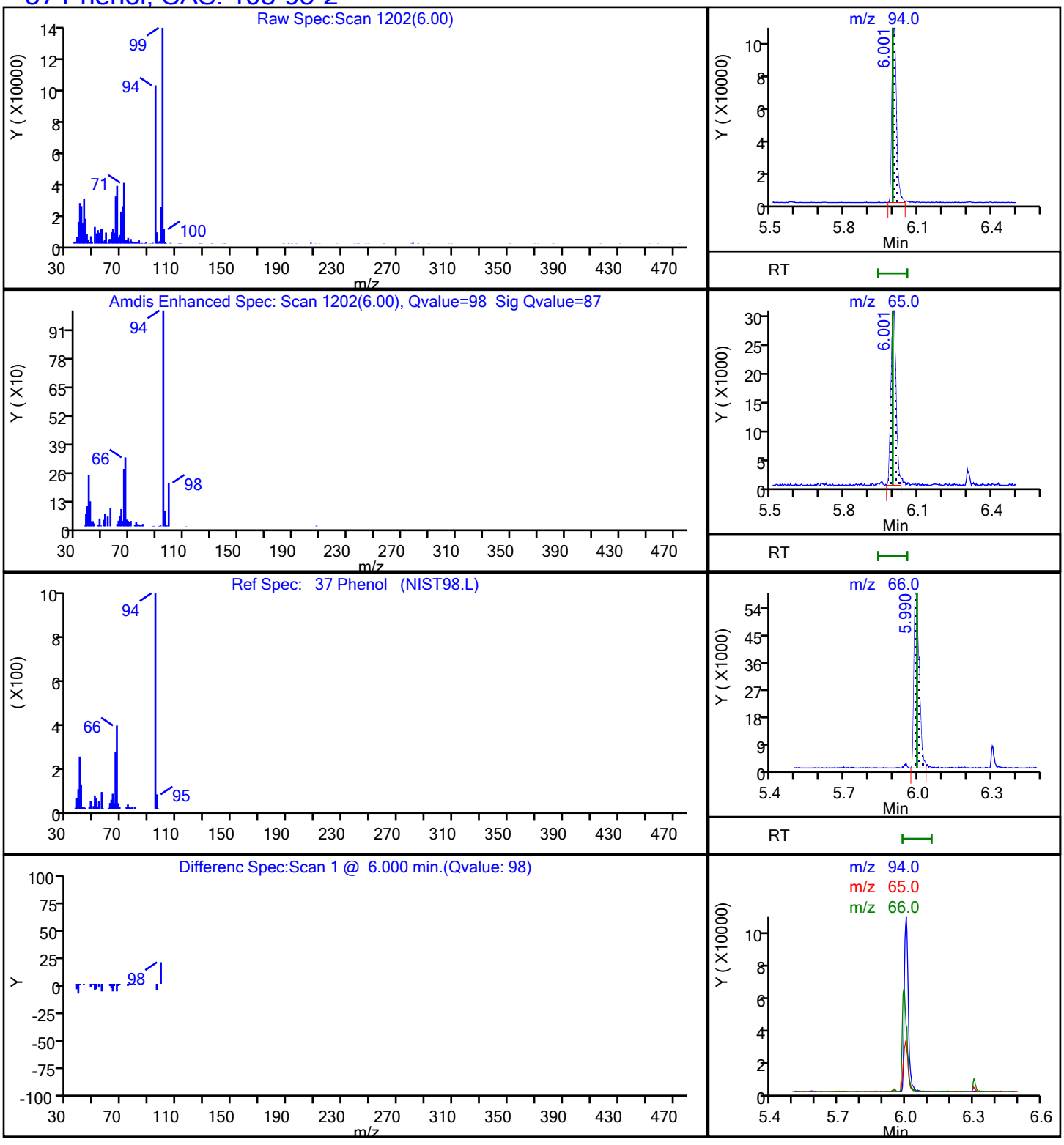
Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y02826074.D				
Injection Date:	25-Oct-2021 17:42:30	Instrument ID:	HP5973Y		
Lims ID:	480-191204-A-14-A	Lab Sample ID:	480-191204-14		
Client ID:	BOR-MW-35R-WG				
Operator ID:	JM	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

37 Phenol, CAS: 108-95-2



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

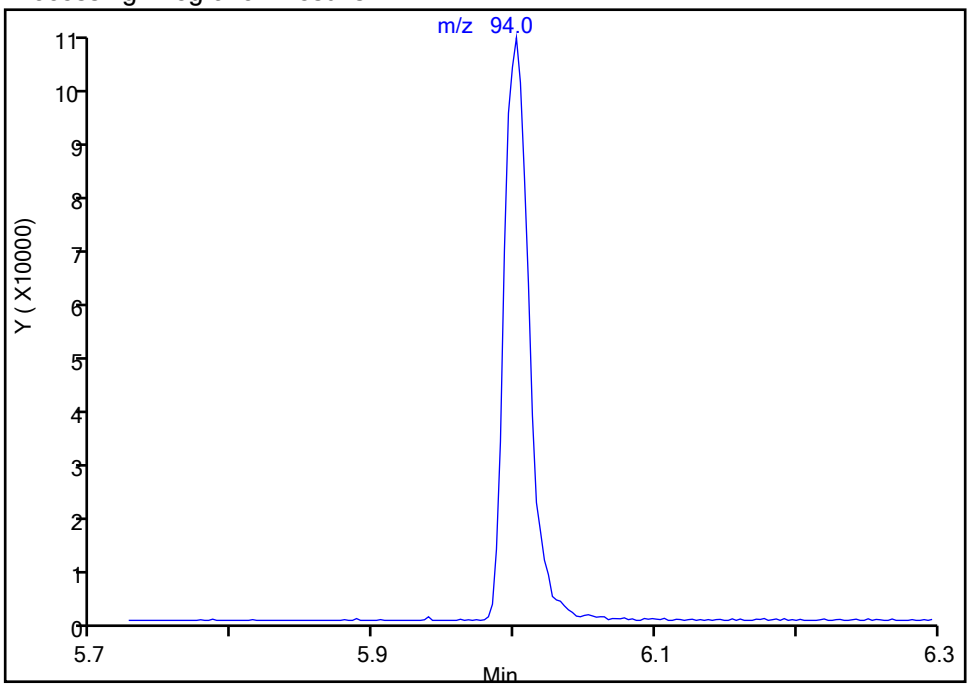
Data File:	\\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y02826074.D				
Injection Date:	25-Oct-2021 17:42:30	Instrument ID:	HP5973Y		
Lims ID:	480-191204-A-14-A	Lab Sample ID:	480-191204-14		
Client ID:	BOR-MW-35R-WG				
Operator ID:	JM	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

37 Phenol, CAS: 108-95-2

Signal: 1

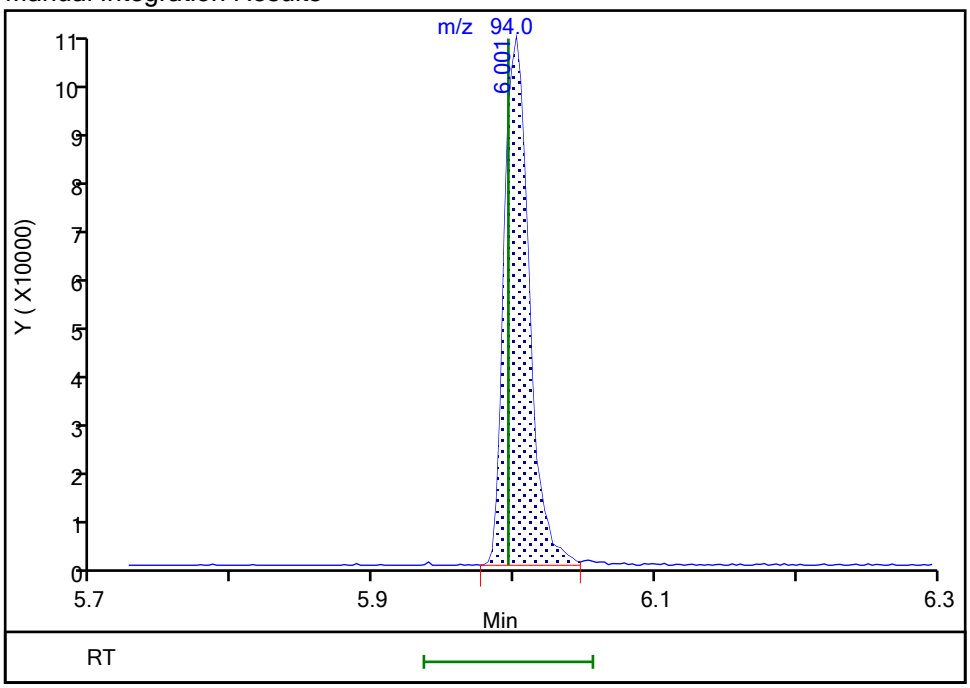
Not Detected
Expected RT: 6.00

Processing Integration Results



Manual Integration Results

RT: 6.00
Area: 124359
Amount: 1.244754
Amount Units: ng/uL



Reviewer: marshallj, 27-Oct-2021 12:16:24
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 599414

SDG No.:

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/07/2021 11:59 Calibration End Date: 10/07/2021 15:08 Calibration ID: 42466

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-599414/3	Y02825518.D
Level 2	IC 480-599414/4	Y02825519.D
Level 3	IC 480-599414/5	Y02825520.D
Level 4	IC 480-599414/6	Y02825521.D
Level 5	ICIS 480-599414/7	Y02825522.D
Level 6	IC 480-599414/8	Y02825523.D
Level 7	IC 480-599414/9	Y02825524.D
Level 8	IC 480-599414/10	Y02825525.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	0.4847	0.5423 0.4827	0.5105 0.4725	0.5024	0.4885	Lin2	0.0323	0.4791			0.0100	1.1			1.0000		0.9900
N-Nitrosodimethylamine	0.6395	0.6474 0.6448	0.6432 0.6484	0.6420	0.6658	Ave		0.6473			0.0100	1.3		20.0			
Pyridine	0.7622	0.7082 0.7838	0.6815 0.7571	0.7361	0.7622	Ave		0.7416			0.0100	4.8		20.0			
Benzaldehyde	0.9592	1.0380 0.9145	0.9912 0.8958	1.0257	0.9666	Lin2	0.1143	0.9373			0.0100	4.0			0.9980		0.9900
Phenol	1.6191	1.6053 1.6072	1.5888 1.5874	1.5837	1.6079	Ave		1.5999			0.8000	0.8		20.0			
Aniline	1.8144	1.8098 1.9119	1.8384 1.8238	1.7824	1.8359	Ave		1.8310			0.0100	2.2		20.0			
Bis(2-chloroethyl)ether	1.2138	1.3289 1.1692	1.2700 1.1594	1.2855	1.2737	Ave		1.2429			0.7000	5.1		20.0			
2-Chlorophenol	1.2813	1.2257 1.2963	1.2599 1.2851	1.2474	1.2869	Ave		1.2689			0.8000	2.0		20.0			
n-Decane	1.3828	1.3883 1.3937	1.3733 1.3757	1.3480	1.3736	Ave		1.3765			0.0100	1.1		20.0			
1,3-Dichlorobenzene	1.4542	1.5149 1.4884	1.4575 1.4487	1.4336	1.4824	Ave		1.4685			0.0100	1.9		20.0			
1,4-Dichlorobenzene	1.4727	1.5420 1.4817	1.5466 1.4497	1.4922	1.4741	Ave		1.4941			0.0100	2.4		20.0			
Benzyl alcohol	0.8184	0.7731 0.8433	0.7770 0.8510	0.7785	0.8259	Ave		0.8096			0.0100	4.1		20.0			
1,2-Dichlorobenzene	1.3817	1.4107 1.3878	1.3918 1.3655	1.3812	1.3922	Ave		1.3873			0.0100	1.0		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 599414

SDG No.:

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/07/2021 11:59 Calibration End Date: 10/07/2021 15:08 Calibration ID: 42466

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Methylphenol	1.1862	1.2061 1.1942	1.1365 1.1713	1.1663	1.1869	Ave		1.1782			0.7000	1.9		20.0			
bis (2-chloroisopropyl) ether	1.8304	1.8701 1.8764	1.8566 1.8479	1.8283	1.8468	Ave		1.8509			0.0100	1.0		20.0			
Indene	2.1611	2.4273 2.0387	2.3827 +++++	2.3537	2.3224	Lin2	0.7451	2.1827			0.0100	5.2			0.9960		0.9900
4-Methylphenol	1.2391	1.2580 1.2384	1.2132 1.2269	1.1997	1.2198	Ave		1.2279			0.6000	1.6		20.0			
N-Nitrosodi-n-propylamine	0.9338	0.8732 0.8591	0.8970 0.8830	0.8776	0.9020	Ave		0.8894			0.5000	2.7		20.0			
Acetophenone	1.7233	1.6947 1.7336	1.6800 1.7484	1.6594	1.7176	Ave		1.7081			0.0100	1.8		20.0			
Hexachloroethane	0.5939	0.5720 0.5981	0.5668 0.6107	0.5815	0.5932	Ave		0.5880			0.3000	2.6		20.0			
Nitrobenzene	0.3637	0.3670 0.3834	0.3469 0.3675	0.3739	0.3651	Ave		0.3668			0.2000	3.0		20.0			
Isophorone	0.6515	0.6146 0.6686	0.6268 0.6485	0.6431	0.6469	Ave		0.6429			0.4000	2.7		20.0			
2-Nitrophenol	0.1822	0.1492 0.1905	0.1584 0.1880	0.1759	0.1724	Lin2	-0.020	0.1853			0.1000	3.3			0.9990		0.9900
2,4-Dimethylphenol	0.3442	0.3374 0.3612	0.3418 0.3542	0.3530	0.3439	Ave		0.3480			0.2000	2.4		20.0			
Bis(2-chloroethoxy)methane	0.3831	0.3926 0.3988	0.3890 0.3674	0.4078	0.3888	Ave		0.3896			0.3000	3.2		20.0			
Benzoic acid	0.1176	+++++ 0.1469	+++++ 0.1658	0.0383	0.0658	Lin1	-1.689	0.1759			0.0100	14.7			0.9840	*	0.9900
2,4-Dichlorophenol	0.2829	0.2574 0.2954	0.2596 0.2971	0.2791	0.2799	Ave		0.2788			0.2000	5.6		20.0			
1,2,4-Trichlorobenzene	0.3057	0.3137 0.3139	0.3016 0.3156	0.3161	0.3014	Ave		0.3097			0.0100	2.1		20.0			
Naphthalene	1.1280 0.9937	1.0438 1.0040	1.0243 0.9604	1.0568	1.0196	Ave		1.0288			0.7000	4.9		20.0			
4-Chloroaniline	0.3825	0.4087 0.3722	0.3842 0.3950	0.3999	0.4090	Ave		0.3931			0.0100	3.6		20.0			
2,6-Dichlorophenol	0.2805	0.2641 0.2890	0.2630 0.2862	0.2771	0.2790	Ave		0.2770			0.0100	3.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 599414

SDG No.:

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/07/2021 11:59 Calibration End Date: 10/07/2021 15:08 Calibration ID: 42466

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Hexachlorobutadiene	0.1826	0.1759 0.1961	0.1852 0.1934	0.1882	0.1827	Ave		0.1863			0.0100	3.7		20.0			
Caprolactam	0.0954	0.0850 0.1009	0.0867 0.0967	0.0933	0.0929	Lin2	-0.0144	0.0970			0.0100	3.0			0.9990		0.9900
4-Chloro-3-methylphenol	0.2782	0.2612 0.2896	0.2603 0.2909	0.2701	0.2713	Ave		0.2745			0.2000	4.5		20.0			
2-Methylnaphthalene	0.7035 0.6764	0.6998 0.6916	0.6709 0.6827	0.7060	0.7043	Ave		0.6919			0.4000	2.0		20.0			
1-Methylnaphthalene	0.6380 0.6286	0.6562 0.6320	0.6395 0.6185	0.6592	0.6582	Ave		0.6413			0.0100	2.4		20.0			
Hexachlorocyclopentadiene	0.1675	+++++ 0.1964	0.0569 0.2151	0.0901	0.1264	Lin1	-0.2099	0.2124			0.0500	16.5			0.9870	*	0.9900
1,2,4,5-Tetrachlorobenzene	0.5693	0.5850 0.5839	0.5806 0.5824	0.5872	0.5764	Ave		0.5807			0.0100	1.0		20.0			
2,4,6-Trichlorophenol	0.3541	0.2905 0.3469	0.2971 0.3769	0.3201	0.3276	Lin2	-0.0377	0.3517			0.2000	5.2			0.9970		0.9900
2,4,5-Trichlorophenol	0.3580	0.3108 0.3612	0.3073 0.3785	0.3246	0.3486	Lin2	-0.0311	0.3594			0.2000	4.8			0.9970		0.9900
Biphenyl	1.4059	1.4433 1.3208	1.4484 1.3391	1.4219	1.4486	Ave		1.4040			0.0100	3.8		20.0			
2-Chloronaphthalene	1.1045	1.1217 1.1031	1.1463 1.1445	1.0403	1.1294	Ave		1.1128			0.8000	3.3		20.0			
2-Nitroaniline	0.3301	0.2759 0.3113	0.2868 0.3293	0.3089	0.3254	Lin2	-0.0277	0.3254			0.0100	2.9			0.9990		0.9900
Dimethyl phthalate	1.2087	1.2053 1.1696	1.2041 1.1820	1.2045	1.1752	Ave		1.1928			0.0100	1.4		20.0			
1,3-Dinitrobenzene	0.1091	0.0859 0.1131	0.0876 0.1109	0.1076	0.1065	Lin2	-0.0155	0.1113			0.0100	4.4			0.9980		0.9900
2,6-Dinitrotoluene	0.2774	0.2334 0.2750	0.2533 0.2848	0.2581	0.2740	Lin2	-0.0244	0.2790			0.2000	1.9			1.0000		0.9900
Acenaphthylene	1.6573 1.7881	1.6917 1.6800	1.7700 1.7406	1.7609	1.8021	Ave		1.7363			0.9000	3.1		20.0			
3-Nitroaniline	0.3091	0.2775 0.2990	0.3031 0.3191	0.3035	0.3017	Lin2	-0.0155	0.3104			0.0100	2.4			0.9990		0.9900
2,4-Dinitrophenol	0.1184	+++++ 0.1373	0.0192 0.1456	0.0526	0.0864	Lin1	-0.3266	0.1482			0.0100	14.9			0.9910		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 599414

SDG No.:

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/07/2021 11:59 Calibration End Date: 10/07/2021 15:08 Calibration ID: 42466

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Acenaphthene	1.0876 1.1786	1.2430 1.1443	1.1810 1.0998	1.0988	1.1906	Ave		1.1530			0.9000	4.8		20.0			
4-Nitrophenol	0.1384	0.0920 0.1522	0.1099 0.1602	0.1207	0.1335	Lin2	-0.0622	0.1472			0.0100	7.1			0.9940		0.9900
2,4-Dinitrotoluene	0.3585	0.2982 0.3576	0.3192 0.3844	0.3335	0.3559	Lin2	-0.037	0.3653			0.2000	3.4			0.9990		0.9900
Dibenzofuran	1.5755	1.6216 1.5382	1.6309 1.5169	1.6146	1.5857	Ave		1.5834			0.8000	2.7		20.0			
2,3,4,6-Tetrachlorophenol	0.2800	+++++ 0.2889	0.1534 0.2942	0.2055	0.2418	Lin2	-0.150	0.2946			0.0100	4.3			0.9970		0.9900
Hexadecane	0.7889	0.7462 0.7993	0.7464 0.7993	0.7603	0.7833	Ave		0.7748			0.0100	3.0		20.0			
Diethyl phthalate	1.2517	1.2105 1.1785	1.2328 1.2046	1.1665	1.2738	Ave		1.2169			0.0100	3.2		20.0			
4-Chlorophenyl phenyl ether	0.6251	0.6316 0.6213	0.6156 0.6085	0.6086	0.6105	Ave		0.6173			0.4000	1.5		20.0			
4-Nitroaniline	0.3167	0.2779 0.3192	0.2926 0.3215	0.3087	0.3175	Lin2	-0.023	0.3208			0.0100	1.0			1.0000		0.9900
Fluorene	1.2531 1.2125	1.2703 1.1918	1.2449 1.2191	1.2410	1.2603	Ave		1.2366			0.9000	2.2		20.0			
4,6-Dinitro-2-methylphenol	0.1021	+++++ 0.1061	0.0448 0.1135	0.0746	0.0905	Lin2	-0.139	0.1120			0.0100	3.6			0.9980		0.9900
Diphenylamine	0.6000	0.5780 0.5979	0.6383 0.6214	0.6564	0.6325	Ave		0.6178			0.0100	4.4		20.0			
N-Nitrosodiphenylamine	0.5130	0.4942 0.5112	0.5457 0.5313	0.5612	0.5408	Ave		0.5282			0.0100	4.4		20.0			
1,2-Diphenylhydrazine	0.7716	0.7163 0.7578	0.7741 0.7648	0.7957	0.7814	Ave		0.7660			0.0100	3.3		20.0			
trans-Azobenzene	0.7716	0.7138 0.7578	0.7741 0.7648	0.7957	0.7814	Ave		0.7656			0.0100	3.4		20.0			
4-Bromophenyl phenyl ether	0.2193	0.2101 0.2295	0.2141 0.2286	0.2309	0.2172	Ave		0.2214			0.1000	3.7		20.0			
Hexachlorobenzene	0.2579	0.2427 0.2738	0.2550 0.2727	0.2499	0.2511	Lin2	-0.012	0.2643			0.1000	3.4			0.9990		0.9900
Atrazine	0.3249	0.3189 0.3195	0.3181 0.3053	0.3283	0.3315	Ave		0.3209			0.0100	2.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 599414

SDG No.:

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/07/2021 11:59 Calibration End Date: 10/07/2021 15:08 Calibration ID: 42466

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Octadecane	0.4695	0.4468 0.4738	0.4654 0.4804	0.4694	0.4601	Ave		0.4665			0.0100	2.3		20.0			
Pentachlorophenol	0.1016	+++++ 0.1084	0.0205 0.1190	0.0532	0.0795	Lin1	-0.237	0.1203			0.0500	10.1			0.9950		0.9900
Phenanthrene	1.1555 1.0273	1.0903 1.0025	1.0862 1.0270	1.0738	1.0560	Ave		1.0648			0.7000	4.5		20.0			
Anthracene	0.9703 1.0166	0.9667 1.0491	1.0965 1.0235	1.0717	1.0595	Ave		1.0317			0.7000	4.5		20.0			
Carbazole	0.9195	0.9425 0.9331	0.9387 0.9128	0.9652	0.9271	Ave		0.9341			0.0100	1.8		20.0			
Di-n-butyl phthalate	1.2276	1.1011 1.2316	1.2038 1.2087	1.2401	1.2494	Ave		1.2089			0.0100	4.2		20.0			
Fluoranthene	1.0515 1.1004	1.0401 1.0899	1.0820 1.0826	1.1294	1.1054	Ave		1.0852			0.6000	2.7		20.0			
Benzidine	0.6581	0.6305 0.6316	0.6719 0.6042	0.6957	0.7066	Ave		0.6569			0.0100	5.7		20.0			
Pyrene	1.1382 1.2499	1.2791 1.2459	1.2407 1.2032	1.2837	1.2772	Ave		1.2397			0.6000	3.9		20.0			
Butyl benzyl phthalate	0.6057	0.4956 0.6180	0.5249 0.6189	0.5600	0.5852	Lin2	-0.064	0.6094			0.0100	2.7			0.9990		0.9900
Bis(2-ethylhexyl) phthalate	0.8638	0.6525 0.8767	0.7400 0.8953	0.8111	0.8318	Lin2	-0.120	0.8788			0.0100	2.0			1.0000		0.9900
3,3'-Dichlorobenzidine	0.5254	0.4718 0.5195	0.4872 0.5163	0.5083	0.5122	Lin2	-0.053	0.5209			0.0100	1.0			1.0000		0.9900
Benzo[a]anthracene	1.1735 1.2234	1.2158 1.2010	1.2296 1.2133	1.2134	1.2131	Ave		1.2104			0.8000	1.4		20.0			
Chrysene	1.1484 1.1702	1.1671 1.1795	1.2163 1.1420	1.1899	1.1778	Ave		1.1739			0.7000	2.0		20.0			
Di-n-octyl phthalate	1.4925	1.1143 1.5572	1.2304 1.5096	1.3642	1.4458	Lin2	-0.220	1.5141			0.0100	3.1			0.9990		0.9900
Benzo[b]fluoranthene	1.0449 1.2162	1.0657 1.1891	1.1046 1.1989	1.1589	1.1718	Lin2	-0.019	1.1718			0.7000	3.6			0.9990		0.9900
Benzo[k]fluoranthene	1.2014 1.1891	1.1754 1.1983	1.1690 1.2189	1.1822	1.2341	Lin2	0	1.1967			0.7000	2.0			1.0000		0.9900
Benzo[a]pyrene	0.9941 1.1892	1.0355 1.1789	1.0437 1.2045	1.1363	1.1694	Lin2	-0.023	1.1541			0.7000	4.8			0.9980		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 599414

SDG No.:

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/07/2021 11:59 Calibration End Date: 10/07/2021 15:08 Calibration ID: 42466

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dibenz(a,h)anthracene	0.8568 1.2316	0.9589 1.2067	1.0478 1.2676	1.1441	1.1848	Lin2	-0.046	1.1811			0.4000	6.8			0.9950		0.9900
Indeno[1,2,3-cd]pyrene	0.9342 1.4249	1.1970 1.4531	1.2380 1.4507	1.3498	1.3906	Lin2	-0.062	1.3976			0.5000	4.6			0.9980		0.9900
Benzo[g,h,i]perylene	1.0022 1.1886	1.0389 1.1833	1.0580 1.2026	1.1264	1.1181	Lin2	-0.021	1.1465			0.5000	4.6			0.9980		0.9900
2-Fluorophenol (Surr)	1.2227	1.0920 1.1995	1.1161 1.2202	1.1136	1.1588	Lin2	-0.063	1.1965			0.0100	2.9			0.9990		0.9900
Phenol-d5 (Surr)	1.5047	1.4523 1.5610	1.5130 1.4927	1.5134	1.5093	Ave		1.5066			0.0100	2.1		20.0			
Nitrobenzene-d5 (Surr)	0.4188	0.3609 0.4308	0.3536 0.3628	0.4245	0.4102	Lin2	-0.028	0.4107			0.0100	7.3			0.9930		0.9900
2-Fluorobiphenyl (Surr)	1.2862	1.3570 1.2007	1.2518 1.2386	1.3170	1.3239	Ave		1.2822			0.0100	4.3		20.0			
2,4,6-Tribromophenol (Surr)	0.1143	0.0870 0.1268	0.0918 0.1329	0.1019	0.1110	Lin2	-0.021	0.1212			0.0100	8.0			0.9920		0.9900
p-Terphenyl-d14 (Surr)	0.9924	0.9894 1.0112	1.0076 0.9904	0.9955	0.9919	Ave		0.9969			0.0100	0.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 599414

SDG No.:

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/07/2021 11:59 Calibration End Date: 10/07/2021 15:08 Calibration ID: 42466

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-599414/3	Y02825518.D
Level 2	IC 480-599414/4	Y02825519.D
Level 3	IC 480-599414/5	Y02825520.D
Level 4	IC 480-599414/6	Y02825521.D
Level 5	ICIS 480-599414/7	Y02825522.D
Level 6	IC 480-599414/8	Y02825523.D
Level 7	IC 480-599414/9	Y02825524.D
Level 8	IC 480-599414/10	Y02825525.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dioxane	DCBd 4	Lin2	297143	20531 439115	38815 574417	80216	151484	8.00	0.500 12.0	1.00 16.0	2.00	4.00
N-Nitrosodimethylamine	DCBd 4	Ave	391988	24509 586615	48901 788312	102493	206471	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Pyridine	DCBd 4	Ave	934479	53623 1426008	103635 1840878	235040	472683	16.0	1.00 24.0	2.00 32.0	4.00	8.00
Benzaldehyde	DCBd 4	Lin2	1176002	78599 1663949	150718 2178145	327524	599457	16.0	1.00 24.0	2.00 32.0	4.00	8.00
Phenol	DCBd 4	Ave	992486	60774 1462118	120794 1929967	252839	498596	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Aniline	DCBd 4	Ave	1112235	68517 1739316	139775 2217405	284562	569304	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Bis(2-chloroethyl)ether	DCBd 4	Ave	744064	50310 1063681	96559 1409606	205228	394957	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2-Chlorophenol	DCBd 4	Ave	785453	46403 1179265	95786 1562449	199157	399053	8.00	0.500 12.0	1.00 16.0	2.00	4.00
n-Decane	DCBd 4	Ave		52561	104413	215210	425944		0.500	1.00	2.00	4.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 599414

SDG No.:

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/07/2021 11:59 Calibration End Date: 10/07/2021 15:08 Calibration ID: 42466

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			847651	1267899	1672509			8.00	12.0	16.0		
1,3-Dichlorobenzene	DCBd 4	Ave	891389	57354 1354078	110816 1761278	228884	459670	8.00	0.500 12.0	1.00 16.0	2.00	4.00
1,4-Dichlorobenzene	DCBd 4	Ave	902780	58379 1347959	117585 1762530	238239	457110	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Benzyl alcohol	DCBd 4	Ave	501703	29270 767192	59076 1034679	124297	256107	8.00	0.500 12.0	1.00 16.0	2.00	4.00
1,2-Dichlorobenzene	DCBd 4	Ave	846977	53410 1262537	105816 1660172	220506	431710	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2-Methylphenol	DCBd 4	Ave	727119	45663 1086443	86405 1424005	186196	368034	8.00	0.500 12.0	1.00 16.0	2.00	4.00
bis (2-chloroisopropyl) ether	DCBd 4	Ave	1122039	70799 1707021	141153 2246666	291891	572690	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Indene	DCBd 4	Lin2	6623700	459476 9273321	905783 +++++	1878855	3600760	40.0	2.50 60.0	5.00 +++++	10.0	20.0
4-Methylphenol	DCBd 4	Ave	759578	47627 1126646	92235 1491629	191540	378241	8.00	0.500 12.0	1.00 16.0	2.00	4.00
N-Nitrosodi-n-propylamine	DCBd 4	Ave	572421	33057 781537	68198 1073597	140107	279706	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Acetophenone	DCBd 4	Ave	1056362	64159 1577140	127727 2125684	264926	532612	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Hexachloroethane	DCBd 4	Ave	364079	21655 544124	43095 742539	92835	183944	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Nitrobenzene	NPT	Ave	827677	51263 1273638	97893 1652928	213352	419259	8.00	0.500 12.0	1.00 16.0	2.00	4.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 599414

SDG No.:

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/07/2021 11:59 Calibration End Date: 10/07/2021 15:08 Calibration ID: 42466

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Isophorone	NPT	Ave	1482794	85851 2220687	176862 2916528	366922	742996	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2-Nitrophenol	NPT	Lin2	414645	20841 632901	44698 845631	100342	197951	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2,4-Dimethylphenol	NPT	Ave	783381	47134 1199681	96460 1593116	201408	394989	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Bis(2-chloroethoxy)methane	NPT	Ave	871954	54843 1324569	109770 1652082	232654	446520	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Benzoic acid	NPT	Lin1	1338762	+++++ 2439976	+++++ 3728806	109311	377775	40.0	+++++ 60.0	+++++ 80.0	10.0	20.0
2,4-Dichlorophenol	NPT	Ave	643902	35955 981284	73253 1336002	159252	321436	8.00	0.500 12.0	1.00 16.0	2.00	4.00
1,2,4-Trichlorobenzene	NPT	Ave	695840	43815 1042650	85108 1419350	180363	346133	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Naphthalene	NPT	Ave	39361 2261557	145796 3334988	289034 4318926	602934	1170962	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
4-Chloroaniline	NPT	Ave	870523	57091 1236233	108421 1776466	228185	469765	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2,6-Dichlorophenol	NPT	Ave	638346	36892 959776	74223 1287274	158082	320373	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Hexachlorobutadiene	NPT	Ave	415518	24567 651272	52248 869605	107382	209816	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Caprolactam	NPT	Lin2	434262	23755 670470	48910 870048	106410	213361	16.0	1.00 24.0	2.00 32.0	4.00	8.00
4-Chloro-3-methylphenol	NPT	Ave	633115	36490 961937	73457 1308338	154109	311621	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2-Methylnaphthalene	NPT	Ave	24547 1539311	97752 2297081	189312 3070468	402796	808857	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
1-Methylnaphthalene	NPT	Ave	22261 1430581	91652 2099133	180447 2781315	376112	755976	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Hexachlorocyclopentadiene	ANT	Lin1	213382	+++++ 378979	8932 540249	29636	81365	8.00	+++++ 12.0	1.00 16.0	2.00	4.00
1,2,4,5-Tetrachlorobenzene	ANT	Ave	725130	45483 1126437	91104 1463008	193173	370972	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2,4,6-Trichlorophenol	ANT	Lin2	451025	22582 669281	46616 946675	105312	210852	8.00	0.500 12.0	1.00 16.0	2.00	4.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 599414

SDG No.:

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/07/2021 11:59 Calibration End Date: 10/07/2021 15:08 Calibration ID: 42466

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
2,4,5-Trichlorophenol	ANT	Lin2	456022	24165 696824	48214 950879	106778	224344	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Biphenyl	ANT	Ave	1790642	112211 2547948	227260 3363762	467758	932247	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2-Chloronaphthalene	ANT	Ave	1406708	87213 2127960	179870 2874955	342227	726871	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2-Nitroaniline	ANT	Lin2	420443	21453 600457	45008 827270	101601	209389	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Dimethyl phthalate	ANT	Ave	1539487	93708 2256273	188933 2969223	396234	756345	8.00	0.500 12.0	1.00 16.0	2.00	4.00
1,3-Dinitrobenzene	NPT	Lin2	248298	11998 375700	24716 498598	61407	122270	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2,6-Dinitrotoluene	ANT	Lin2	353288	18148 530594	39743 715321	84918	176360	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Acenaphthylene	ANT	Ave	32438 2277455	131529 3240929	277723 4372336	579272	1159769	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
3-Nitroaniline	ANT	Lin2	393700	21577 576875	47564 801595	99838	194175	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2,4-Dinitrophenol	ANT	Lin1	301559	+++++ 529703	6037 731364	34589	111199	16.0	+++++ 24.0	2.00 32.0	4.00	8.00
Acenaphthene	ANT	Ave	21287 1501105	96642 2207542	185307 2762807	361463	766240	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
4-Nitrophenol	ANT	Lin2	352505	14311 587044	34496 805054	79394	171833	16.0	1.00 24.0	2.00 32.0	4.00	8.00
2,4-Dinitrotoluene	ANT	Lin2	456583	23182 689924	50092 965648	109716	229079	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Dibenzofuran	ANT	Ave	2006710	126073 2967459	255907 3810527	531142	1020494	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2,3,4,6-Tetrachlorophenol	ANT	Lin2	356642	+++++ 557386	24063 739148	67602	155645	8.00	+++++ 12.0	1.00 16.0	2.00	4.00
Hexadecane	ANT	Ave	1004784	58013 1542008	117117 2007989	250105	504096	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Diethyl phthalate	ANT	Ave	1594230	94112 2273469	193434 3025908	383726	819790	8.00	0.500 12.0	1.00 16.0	2.00	4.00
4-Chlorophenyl phenyl ether	ANT	Ave	796127	49105 1198561	96596 1528519	200188	392904	8.00	0.500 12.0	1.00 16.0	2.00	4.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 599414

SDG No.:

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/07/2021 11:59 Calibration End Date: 10/07/2021 15:08 Calibration ID: 42466

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
4-Nitroaniline	ANT	Lin2	403407	21607 615800	45911 807556	101555	204330	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Fluorene	ANT	Ave	24527 1544359	98764 2299247	195332 3062355	408232	811111	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
4,6-Dinitro-2-methylphenol	PHN	Lin2	440499	+++++ 685334	23036 968301	79704	196774	16.0	+++++ 24.0	2.00 32.0	4.00	8.00
Diphenylamine	PHN	Ave	1106340	65147 1650412	140421 2265765	299691	587885	6.84	0.428 10.3	0.855 13.7	1.71	3.42
N-Nitrosodiphenylamine	PHN	Ave	1106340	65147 1650412	140421 2265765	299691	587885	8.00	0.500 12.0	1.00 16.0	2.00	4.00
1,2-Diphenylhydrazine	PHN	Ave	1664058	94434 2446352	199193 3261774	424926	849425	8.00	0.500 12.0	1.00 16.0	2.00	4.00
trans-Azobenzene	PHN	Ave	1664058	94103 2446352	199193 3261774	424926	849425	8.00	0.500 12.0	1.00 16.0	2.00	4.00
4-Bromophenyl phenyl ether	PHN	Ave	472909	27702 740993	55086 974842	123295	236061	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Hexachlorobenzene	PHN	Lin2	556267	32000 883793	65608 1163056	133431	272959	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Atrazine	ANT	Ave	827743	49587 1232741	99815 1533648	215969	426690	16.0	1.00 24.0	2.00 32.0	4.00	8.00
n-Octadecane	PHN	Ave	1012473	58903 1529466	119760 2048783	250649	500098	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Pentachlorophenol	PHN	Lin1	438302	+++++ 699664	10557 1015323	56862	172939	16.0	+++++ 24.0	2.00 32.0	4.00	8.00
Phenanthrene	PHN	Ave	36357 2215353	143736 3236376	279478 4380132	573458	1147913	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Anthracene	PHN	Ave	30529 2192356	127446 3386747	282142 4364976	572339	1151732	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Carbazole	PHN	Ave	1982860	124258 3012431	241527 3892889	515425	1007771	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Di-n-butyl phthalate	PHN	Ave	2647420	145169 3975916	309739 5155026	662231	1358118	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Fluoranthene	PHN	Ave	33084 2373094	137121 3518535	278407 4617115	603130	1201640	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Benzidine	CRY	Ave	2524095	147412 3676547	313159 4760512	680615	1380401	16.0	1.00 24.0	2.00 32.0	4.00	8.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 599414

SDG No.:

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/07/2021 11:59 Calibration End Date: 10/07/2021 15:08 Calibration ID: 42466

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Pyrene	CRY	Ave	32656 2397000	149529 3626278	289146 4740288	627917	1247646	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Butyl benzyl phthalate	CRY	Lin2	 1161548	57939 1798687	122334 2438139	273941	571683	 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Bis(2-ethylhexyl) phthalate	CRY	Lin2	 1656593	76284 2551579	172447 3527369	396740	812498	 8.00	0.500 12.0	1.00 16.0	2.00	4.00
3,3'-Dichlorobenzidine	CRY	Lin2	 2015047	110315 3024232	227101 4068223	497232	1000714	 16.0	1.00 24.0	2.00 32.0	4.00	8.00
Benzo[a]anthracene	CRY	Ave	33669 2346156	142133 3495358	286565 4780065	593530	1185002	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Chrysene	CRY	Ave	32950 2244130	136437 3432844	283443 4499099	582029	1150549	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Di-n-octyl phthalate	CRY	Lin2	 2862142	130267 4532059	286737 5947377	667312	1412285	 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Benzo[b]fluoranthene	PRY	Lin2	31691 2543259	136597 3845396	288397 5095623	607505	1237648	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Benzo[k]fluoranthene	PRY	Lin2	36439 2486678	150665 3874958	305194 5180449	619738	1303374	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Benzo[a]pyrene	PRY	Lin2	30150 2486823	132727 3812143	272496 5119204	595678	1235133	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Dibenz(a,h)anthracene	PRY	Lin2	25986 2575358	122913 3902122	273542 5387593	599760	1251297	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Indeno[1,2,3-cd]pyrene	PRY	Lin2	28335 2979762	153431 4698934	323204 6165617	707597	1468652	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Benzo[g,h,i]perylene	PRY	Lin2	30395 2485565	133161 3826615	276216 5111265	590447	1180899	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
2-Fluorophenol (Surr)	DCBd 4	Lin2	 749499	41341 1091231	84856 1483457	177786	359322	 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Phenol-d5 (Surr)	DCBd 4	Ave	 922377	54983 1420107	115036 1814865	241619	468016	 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Nitrobenzene-d5 (Surr)	NPT	Lin2	 953059	50407 1430970	99768 1631471	242198	471123	 8.00	0.500 12.0	1.00 16.0	2.00	4.00
2-Fluorobiphenyl (Surr)	ANT	Ave	 1638150	105501 2316304	196421 3111298	433246	852013	 8.00	0.500 12.0	1.00 16.0	2.00	4.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 599414

SDG No.:

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/07/2021 11:59 Calibration End Date: 10/07/2021 15:08 Calibration ID: 42466

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
2,4,6-Tribromophenol (Surr)	PHN	Lin2	246578	11467 409410	23611 566705	54413	120702	8.00	0.500 12.0	1.00 16.0	2.00	4.00
p-Terphenyl-d14 (Surr)	CRY	Ave	1903193	115670 2942918	234815 3901750	486964	968946	8.00	0.500 12.0	1.00 16.0	2.00	4.00

Curve Type Legend

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 599414

SDG No.:

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/07/2021 11:59 Calibration End Date: 10/07/2021 15:08 Calibration ID: 42466

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-599414/3	Y02825518.D
Level 2	IC 480-599414/4	Y02825519.D
Level 3	IC 480-599414/5	Y02825520.D
Level 4	IC 480-599414/6	Y02825521.D
Level 5	ICIS 480-599414/7	Y02825522.D
Level 6	IC 480-599414/8	Y02825523.D
Level 7	IC 480-599414/9	Y02825524.D
Level 8	IC 480-599414/10	Y02825525.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
1,4-Dioxane	0.2	-0.3 -1.8	-0.2	1.5	0.3	0.3	30	30 30	30	30	30	30
N-Nitrosodimethylamine	-0.4	0.0 0.2	-0.6	-0.8	2.9	-1.2	30	30 30	30	30	30	30
Pyridine	5.7	-4.5 2.1	-8.1	-0.7	2.8	2.8	30	30 30	30	30	30	30
Benzaldehyde	-2.9	-1.4 -4.8	-0.3	6.4	1.6	1.6	30	30 30	30	30	30	30
Phenol	0.5	0.3 -0.8	-0.7	-1.0	0.5	1.2	30	30 30	30	30	30	30
Aniline	4.4	-1.2 -0.4	0.4	-2.7	0.3	-0.9	30	30 30	30	30	30	30
Bis(2-chloroethyl)ether	-5.9	6.9 -6.7	2.2	3.4	2.5	-2.3	30	30 30	30	30	30	30
2-Chlorophenol	2.2	-3.4 1.3	-0.7	-1.7	1.4	1.0	30	30 30	30	30	30	30
n-Decane	1.3	0.9 -0.1	-0.2	-2.1	-0.2	0.5	30	30 30	30	30	30	30
1,3-Dichlorobenzene	1.4	3.2 -1.4	-0.7	-2.4	0.9	-1.0	30	30 30	30	30	30	30
1,4-Dichlorobenzene	-0.8	3.2 -3.0	3.5	-0.1	-1.3	-1.4	30	30 30	30	30	30	30
Benzyl alcohol	4.2	-4.5 5.1	-4.0	-3.8	2.0	1.1	30	30 30	30	30	30	30
1,2-Dichlorobenzene	0.0	1.7 -1.6	0.3	-0.4	0.4	-0.4	30	30 30	30	30	30	30
2-Methylphenol	1.4	2.4 -0.6	-3.5	-1.0	0.7	0.7	30	30 30	30	30	30	30

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 599414

SDG No.:

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/07/2021 11:59 Calibration End Date: 10/07/2021 15:08 Calibration ID: 42466

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
bis (2-chloroisopropyl) ether	1.4	1.0 -0.2	0.3	-1.2	-0.2	-1.1	30	30 30	30	30	30	30
Indene	-7.2	-2.4 +++++	2.3	4.4	4.7	-1.8	30	30	30	30	30	30
4-Methylphenol	0.9	2.5 -0.1	-1.2	-2.3	-0.7	0.9	30	30 30	30	30	30	30
N-Nitrosodi-n-propylamine	-3.4	-1.8 -0.7	0.9	-1.3	1.4	5.0	30	30 30	30	30	30	30
Acetophenone	1.5	-0.8 2.4	-1.6	-2.9	0.6	0.9	30	30 30	30	30	30	30
Hexachloroethane	1.7	-2.7 3.9	-3.6	-1.1	0.9	1.0	30	30 30	30	30	30	30
Nitrobenzene	4.5	0.1 0.2	-5.4	1.9	-0.5	-0.9	30	30 30	30	30	30	30
Isophorone	4.0	-4.4 0.9	-2.5	0.0	0.6	1.3	30	30 30	30	30	30	30
2-Nitrophenol	3.7	2.1 2.2	-3.7	0.3	-4.3	-0.3	30	30 30	30	30	30	30
2,4-Dimethylphenol	3.8	-3.0 1.8	-1.8	1.4	-1.2	-1.1	30	30 30	30	30	30	30
Bis(2-chloroethoxy)methane	2.3	0.8 -5.7	-0.2	4.7	-0.2	-1.7	30	30 30	30	30	30	30
Benzoic acid	-0.5	+++++ 6.3	+++++	17.8	-14.6	-9.1	30	30		30	30	30
2,4-Dichlorophenol	6.0	-7.7 6.6	-6.9	0.1	0.4	1.5	30	30 30	30	30	30	30
1,2,4-Trichlorobenzene	1.4	1.3 1.9	-2.6	2.1	-2.7	-1.3	30	30 30	30	30	30	30
Naphthalene	9.6 -2.4	1.5 -6.7	-0.4	2.7	-0.9	-3.4	30 30	30 30	30	30	30	30
4-Chloroaniline	-5.3	4.0 0.5	-2.3	1.7	4.1	-2.7	30	30 30	30	30	30	30
2,6-Dichlorophenol	4.3	-4.6 3.3	-5.0	0.0	0.7	1.3	30	30 30	30	30	30	30
Hexachlorobutadiene	5.3	-5.6 3.8	-0.6	1.0	-1.9	-2.0	30	30 30	30	30	30	30
Caprolactam	4.7	2.0 0.2	-3.5	-0.3	-2.4	-0.7	30	30 30	30	30	30	30

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 599414

SDG No.:

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/07/2021 11:59 Calibration End Date: 10/07/2021 15:08 Calibration ID: 42466

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # / LVL 7 #	LVL 2 # / LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 / LVL 7	LVL 2 / LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
4-Chloro-3-methylphenol	5.5	-4.8 6.0	-5.2	-1.6	-1.2	1.3	30	30 30	30	30	30	30
2-Methylnaphthalene	1.7 0.0	1.1 -1.3	-3.0	2.0	1.8	-2.2	30 30	30 30	30	30	30	30
1-Methylnaphthalene	-0.5 -1.4	2.3 -3.6	-0.3	2.8	2.6	-2.0	30 30	30 30	30	30	30	30
Hexachlorocyclopentadiene	0.7	+++++ 7.4	25.1	-8.4	-15.9	-8.8	30	30	30	30	30	30
1,2,4,5-Tetrachlorobenzene	0.6	0.7 0.3	0.0	1.1	-0.7	-2.0	30	30 30	30	30	30	30
2,4,6-Trichlorophenol	-0.5	3.6 7.8	-5.0	-3.7	-4.2	2.0	30	30 30	30	30	30	30
2,4,5-Trichlorophenol	1.2	4.0 5.9	-5.7	-5.3	-0.8	0.7	30	30 30	30	30	30	30
Biphenyl	-5.9	2.8 -4.6	3.2	1.3	3.2	0.1	30	30 30	30	30	30	30
2-Chloronaphthalene	-0.9	0.8 2.8	3.0	-6.5	1.5	-0.8	30	30 30	30	30	30	30
2-Nitroaniline	-3.6	1.6 1.7	-3.4	-0.9	2.1	2.5	30	30 30	30	30	30	30
Dimethyl phthalate	-1.9	1.0 -0.9	0.9	1.0	-1.5	1.3	30	30 30	30	30	30	30
1,3-Dinitrobenzene	2.7	3.3 0.4	-8.2	3.2	-1.1	-0.4	30	30 30	30	30	30	30
2,6-Dinitrotoluene	-0.7	0.9 2.6	-0.6	-3.2	0.4	0.5	30	30 30	30	30	30	30
Acenaphthylene	-4.6 -3.2	-2.6 0.2	1.9	1.4	3.8	3.0	30 30	30 30	30	30	30	30
3-Nitroaniline	-3.3	-1.0 3.1	2.4	0.2	-1.6	0.2	30	30 30	30	30	30	30
2,4-Dinitrophenol	1.8	+++++ 5.1	23.1	-9.5	-14.2	-6.4	30	30	30	30	30	30
Acenaphthene	-5.7 -0.8	7.8 -4.6	2.4	-4.7	3.3	2.2	30 30	30 30	30	30	30	30
4-Nitrophenol	5.1	4.3 10.1	-4.4	-7.6	-4.1	-3.4	30	30 30	30	30	30	30
2,4-Dinitrotoluene	-1.3	2.0 5.9	-2.4	-3.6	0.0	-0.6	30	30 30	30	30	30	30

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 599414

SDG No.:

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/07/2021 11:59 Calibration End Date: 10/07/2021 15:08 Calibration ID: 42466

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Dibenzofuran	-2.9	2.4 -4.2	3.0	2.0	0.1	-0.5	30	30 30	30	30	30	30
2,3,4,6-Tetrachlorophenol	2.3	+++++ 3.1	3.1	-4.7	-5.2	1.4	30	30	30	30	30	30
Hexadecane	3.2	-3.7 3.2	-3.7	-1.9	1.1	1.8	30	30 30	30	30	30	30
Diethyl phthalate	-3.2	-0.5 -1.0	1.3	-4.1	4.7	2.9	30	30 30	30	30	30	30
4-Chlorophenyl phenyl ether	0.6	2.3 -1.4	-0.3	-1.4	-1.1	1.3	30	30 30	30	30	30	30
4-Nitroaniline	0.1	0.8 0.7	-1.7	-0.2	0.7	-0.4	30	30 30	30	30	30	30
Fluorene	1.3 -3.6	2.7 -1.4	0.7	0.4	1.9	-1.9	30 30	30 30	30	30	30	30
4,6-Dinitro-2-methylphenol	0.0	+++++ 5.3	1.9	-2.4	-3.7	-1.1	30	30	30	30	30	30
Diphenylamine	-3.2	-6.4 0.6	3.3	6.2	2.4	-2.9	30	30 30	30	30	30	30
N-Nitrosodiphenylamine	-3.2	-6.4 0.6	3.3	6.2	2.4	-2.9	30	30 30	30	30	30	30
1,2-Diphenylhydrazine	-1.1	-6.5 -0.2	1.1	3.9	2.0	0.7	30	30 30	30	30	30	30
trans-Azobenzene	-1.0	-6.8 -0.1	1.1	3.9	2.1	0.8	30	30 30	30	30	30	30
4-Bromophenyl phenyl ether	3.7	-5.1 3.3	-3.3	4.3	-1.9	-0.9	30	30 30	30	30	30	30
Hexachlorobenzene	3.9	0.7 3.5	0.9	-3.3	-3.9	-1.9	30	30 30	30	30	30	30
Atrazine	-0.4	-0.6 -4.9	-0.9	2.3	3.3	1.3	30	30 30	30	30	30	30
n-Octadecane	1.6	-4.2 3.0	-0.2	0.6	-1.4	0.6	30	30 30	30	30	30	30
Pentachlorophenol	-1.7	+++++ 5.1	15.6	-6.5	-9.3	-3.2	30	30	30	30	30	30
Phenanthrene	8.5 -5.9	2.4 -3.5	2.0	0.8	-0.8	-3.5	30 30	30 30	30	30	30	30
Anthracene	-6.0 1.7	-6.3 -0.8	6.3	3.9	2.7	-1.5	30 30	30 30	30	30	30	30

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 599414

SDG No.:

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/07/2021 11:59 Calibration End Date: 10/07/2021 15:08 Calibration ID: 42466

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Carbazole	-0.1	0.9 -2.3	0.5	3.3	-0.8	-1.6	30	30 30	30	30	30	30
Di-n-butyl phthalate	1.9	-8.9 0.0	-0.4	2.6	3.3	1.5	30	30 30	30	30	30	30
Fluoranthene	-3.1 0.4	-4.2 -0.2	-0.3	4.1	1.9	1.4	30 30	30 30	30	30	30	30
Benzidine	-3.9	-4.0 -8.0	2.3	5.9	7.6	0.2	30	30 30	30	30	30	30
Pyrene	-8.2 0.5	3.2 -2.9	0.1	3.5	3.0	0.8	30 30	30 30	30	30	30	30
Butyl benzyl phthalate	2.3	2.3 2.2	-3.4	-2.8	-1.3	0.7	30	30 30	30	30	30	30
Bis(2-ethylhexyl) phthalate	0.9	1.5 2.7	-2.2	-0.9	-2.0	0.0	30	30 30	30	30	30	30
3,3'-Dichlorobenzidine	0.2	0.7 -0.6	-1.4	0.1	-0.4	1.5	30	30 30	30	30	30	30
Benzo[a]anthracene	-3.0 -0.8	0.4 0.2	1.6	0.2	0.2	1.1	30 30	30 30	30	30	30	30
Chrysene	-2.2 0.5	-0.6 -2.7	3.6	1.4	0.3	-0.3	30 30	30 30	30	30	30	30
Di-n-octyl phthalate	4.1	2.7 0.6	-4.2	-2.6	-0.9	0.4	30	30 30	30	30	30	30
Benzo[b]fluoranthene	1.9 1.6	-5.9 2.4	-4.1	-0.3	0.4	4.0	30 30	30 30	30	30	30	30
Benzo[k]fluoranthene	0.7 0.1	-1.7 1.9	-2.3	-1.2	3.1	-0.6	30 30	30 30	30	30	30	30
Benzo[a]pyrene	2.4 2.3	-6.2 4.5	-7.5	-0.5	1.8	3.3	30 30	30 30	30	30	30	30
Dibenz(a,h)anthracene	3.6 2.5	-11.1 7.6	-7.4	-1.2	1.3	4.8	30 30	30 30	30	30	30	30
Indeno[1,2,3-cd]pyrene	2.2 4.3	-5.5 4.1	-7.0	-1.2	0.6	2.5	30 30	30 30	30	30	30	30
Benzo[g,h,i]perylene	2.1 3.4	-5.7 5.0	-5.9	-0.8	-2.0	3.9	30 30	30 30	30	30	30	30
2-Fluorophenol (Surr)	0.7	1.8 2.3	-1.5	-4.3	-1.8	2.8	30	30 30	30	30	30	30
Phenol-d5 (Surr)	3.6	-3.6 -0.9	0.4	0.4	0.2	-0.1	30	30 30	30	30	30	30

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 599414

SDG No.:

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/07/2021 11:59 Calibration End Date: 10/07/2021 15:08 Calibration ID: 42466

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Nitrobenzene-d5 (Surr)	5.5	1.6 -11.2	-7.1	6.8	1.6	2.8	30	30 30	30	30	30	30
2-Fluorobiphenyl (Surr)	-6.4	5.8 -3.4	-2.4	2.7	3.3	0.3	30	30 30	30	30	30	30
2,4,6-Tribromophenol (Surr)	6.1	5.7 10.7	-7.3	-7.4	-4.1	-3.5	30	30 30	30	30	30	30
p-Terphenyl-d14 (Surr)	1.4	-0.7 -0.7	1.1	-0.1	-0.5	-0.4	30	30 30	30	30	30	30

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825518.D
Lims ID: IC - List 1 - 0.125
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 07-Oct-2021 11:59:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 480-0101480-003
Operator ID: JM Instrument ID: HP5973Y
Sublist: chrom-Y-LVI-8270*sub36

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 08-Oct-2021 11:19:26 Calib Date: 07-Oct-2021 15:08:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825525.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1612

First Level Reviewer: marshallj Date: 08-Oct-2021 10:08:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.521	6.522	-0.001	96	300507	4.00	4.00	
* 2 Naphthalene-d8	136	7.614	7.611	0.003	99	1116625	4.00	4.00	
* 3 Acenaphthene-d10	164	9.101	9.101	0.000	94	626327	4.00	4.00	
* 4 Phenanthrene-d10	188	10.363	10.364	-0.001	95	1006873	4.00	4.00	
* 5 Chrysene-d12	240	13.093	13.097	-0.004	97	918120	4.00	4.00	
* 6 Perylene-d12	264	15.352	15.352	0.000	96	970534	4.00	4.00	
74 Naphthalene	128	7.634	7.631	0.003	95	39361	0.1250	0.1371	
87 2-Methylnaphthalene	142	8.213	8.213	0.000	93	24547	0.1250	0.1271	
89 1-Methylnaphthalene	142	8.300	8.298	0.002	93	22261	0.1250	0.1244	
108 Acenaphthylene	152	8.987	8.988	-0.001	98	32438	0.1250	0.1193	
110 Acenaphthene	153	9.129	9.130	-0.001	97	21287	0.1250	0.1179	
124 Fluorene	166	9.563	9.564	-0.001	94	24527	0.1250	0.1267	
151 Phenanthrene	178	10.386	10.387	-0.001	96	36357	0.1250	0.1356	
152 Anthracene	178	10.432	10.432	0.000	97	30529	0.1250	0.1176	
164 Fluoranthene	202	11.433	11.431	0.002	98	33084	0.1250	0.1211	
167 Pyrene	202	11.666	11.666	0.000	96	32656	0.1250	0.1148	
180 Benzo[a]anthracene	228	13.082	13.085	-0.003	98	33669	0.1250	0.1212	
182 Chrysene	228	13.141	13.139	0.002	96	32950	0.1250	0.1223	
186 Benzo[b]fluoranthene	252	14.739	14.734	0.005	98	31691	0.1250	0.1274	
187 Benzo[k]fluoranthene	252	14.784	14.776	0.008	97	36439	0.1250	0.1259	M
189 Benzo[a]pyrene	252	15.289	15.281	0.008	78	30150	0.1250	0.1280	M
194 Dibenz(a,h)anthracene	278	17.281	17.254	0.027	93	25986	0.1250	0.1295	a
193 Indeno[1,2,3-cd]pyrene	276	17.299	17.273	0.026	95	28335	0.1250	0.1277	M
195 Benzo[g,h,i]perylene	276	17.869	17.844	0.025	96	30395	0.1250	0.1277	Ma

QC Flag Legend
Processing Flags

Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

MB_L1LVI_WRK_00508	Amount Added:	1.00	Units: mL	
MB_LLIS_WRK_00223	Amount Added:	20.00	Units: uL	Run Reagent

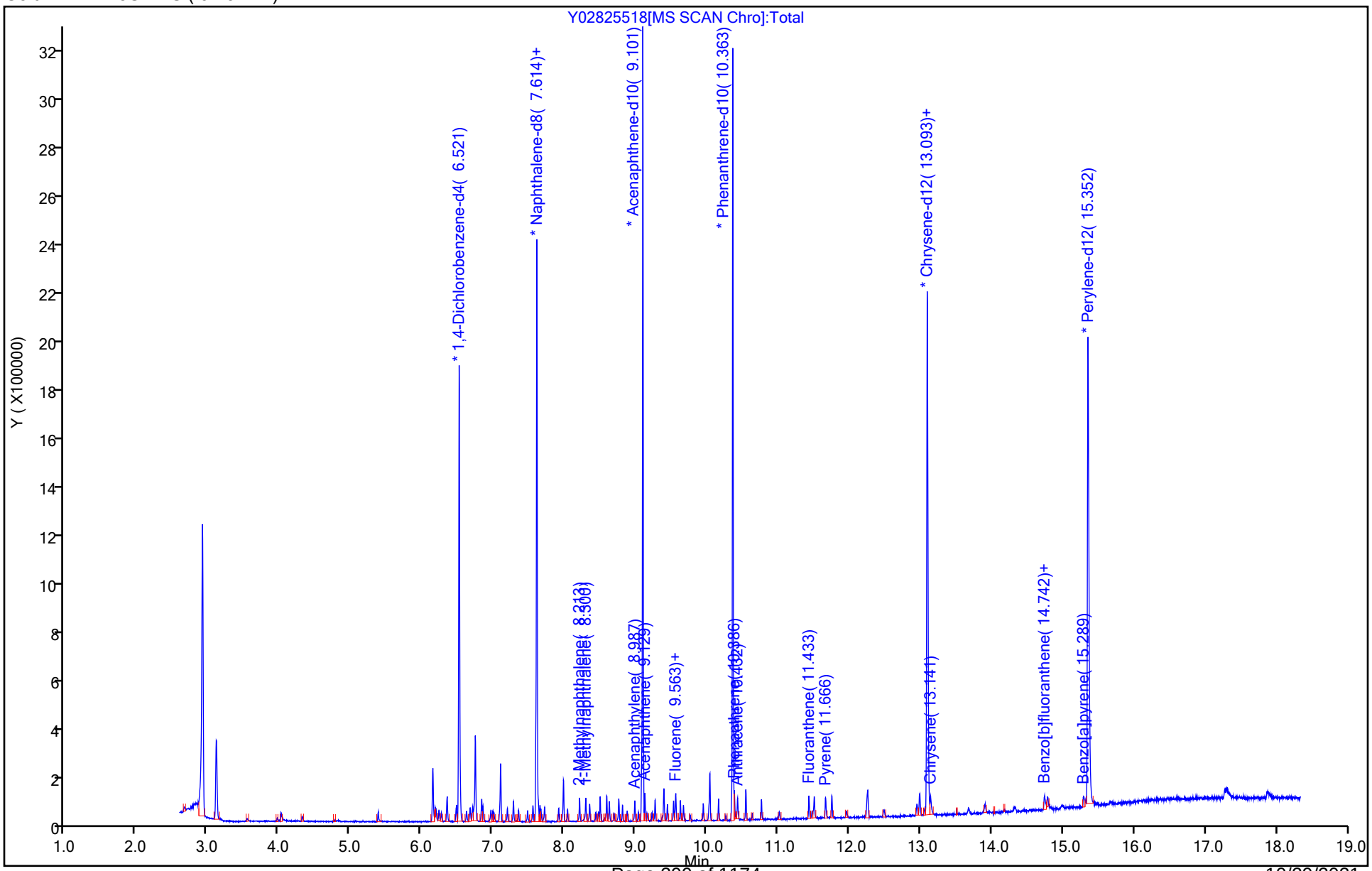
Report Date: 08-Oct-2021 11:19:27 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825518.D

Injection Date:	07-Oct-2021 11:59:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	IC - List 1 - 0.125			Worklist Smp#:	3
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

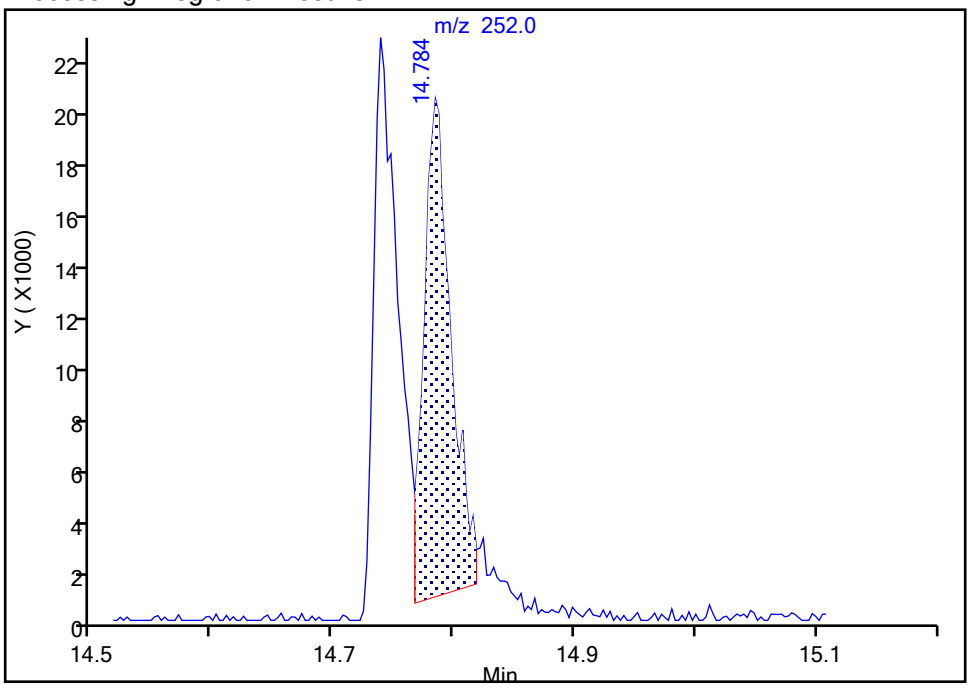
Data File:	\\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825518.D				
Injection Date:	07-Oct-2021 11:59:30	Instrument ID:	HP5973Y		
Lims ID:	IC - List 1 - 0.125				
Client ID:					
Operator ID:	JM	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

187 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

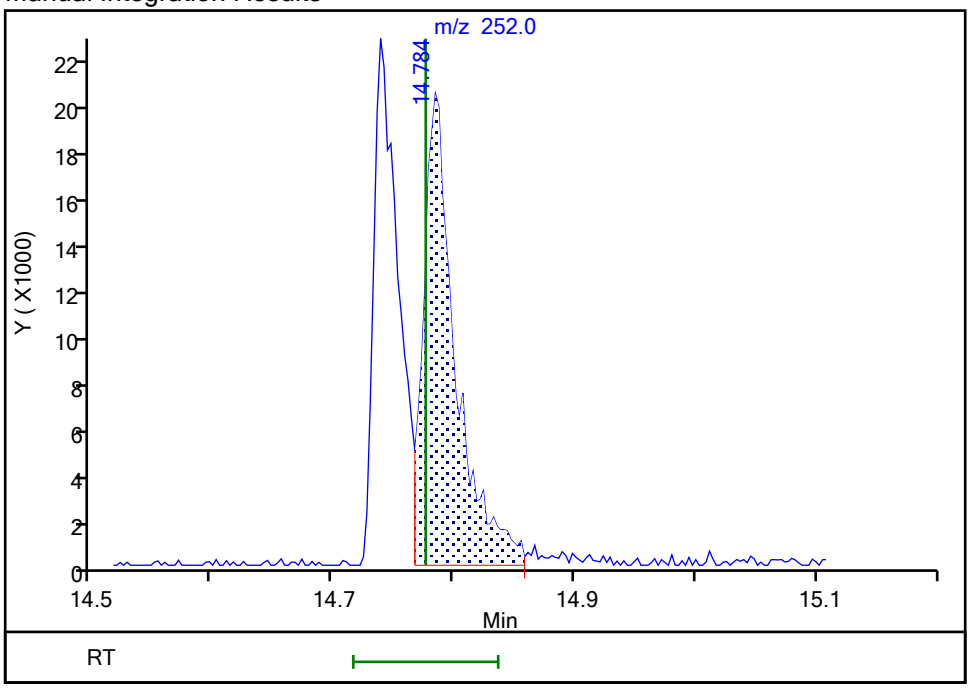
Processing Integration Results

RT: 14.78
Area: 29456
Amount: 0.126604
Amount Units: ng/uL



Manual Integration Results

RT: 14.78
Area: 36439
Amount: 0.125852
Amount Units: ng/uL



Reviewer: marshallj, 08-Oct-2021 10:07:25

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

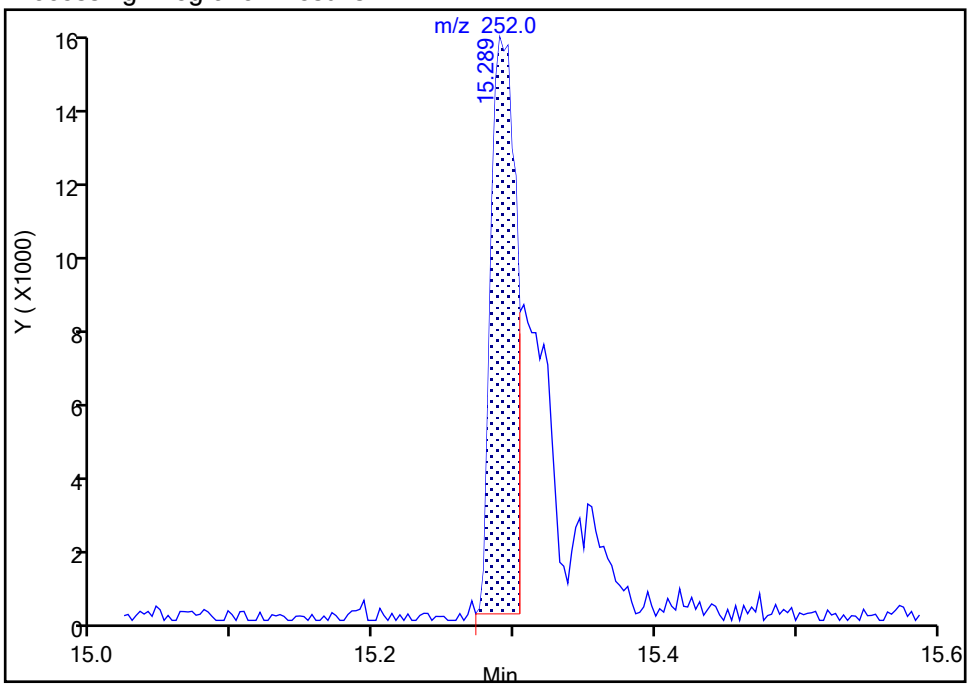
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825518.D
Injection Date: 07-Oct-2021 11:59:30 Instrument ID: HP5973Y
Lims ID: IC - List 1 - 0.125
Client ID:
Operator ID: JM ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

189 Benzo[a]pyrene, CAS: 50-32-8

Signal: 1

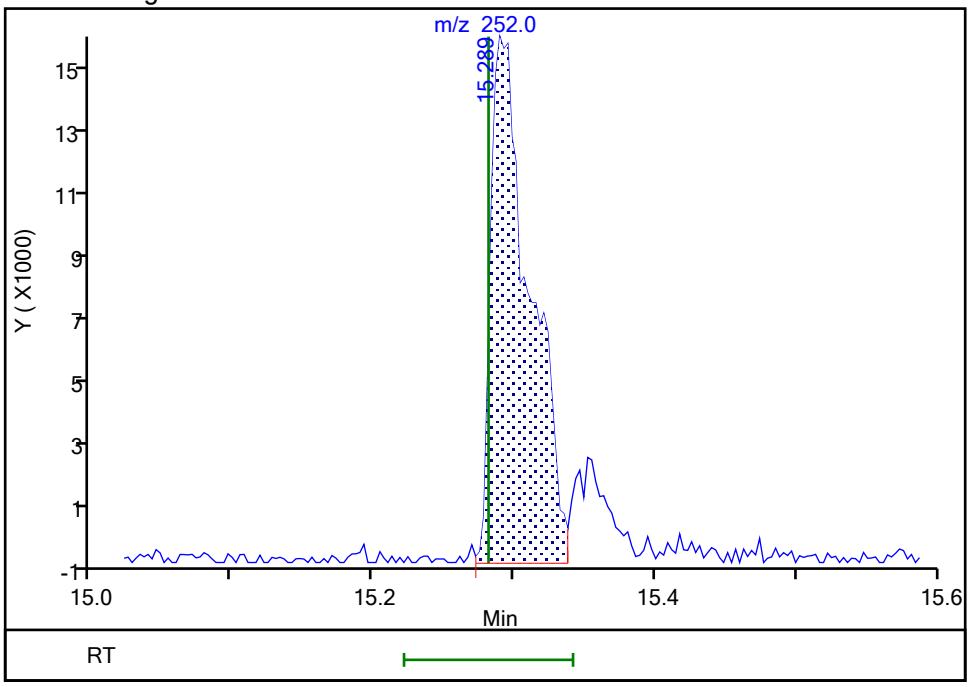
Processing Integration Results

RT: 15.29
Area: 18655
Amount: 0.125814
Amount Units: ng/uL



Manual Integration Results

RT: 15.29
Area: 30150
Amount: 0.127954
Amount Units: ng/uL



Reviewer: marshallj, 08-Oct-2021 10:07:41
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

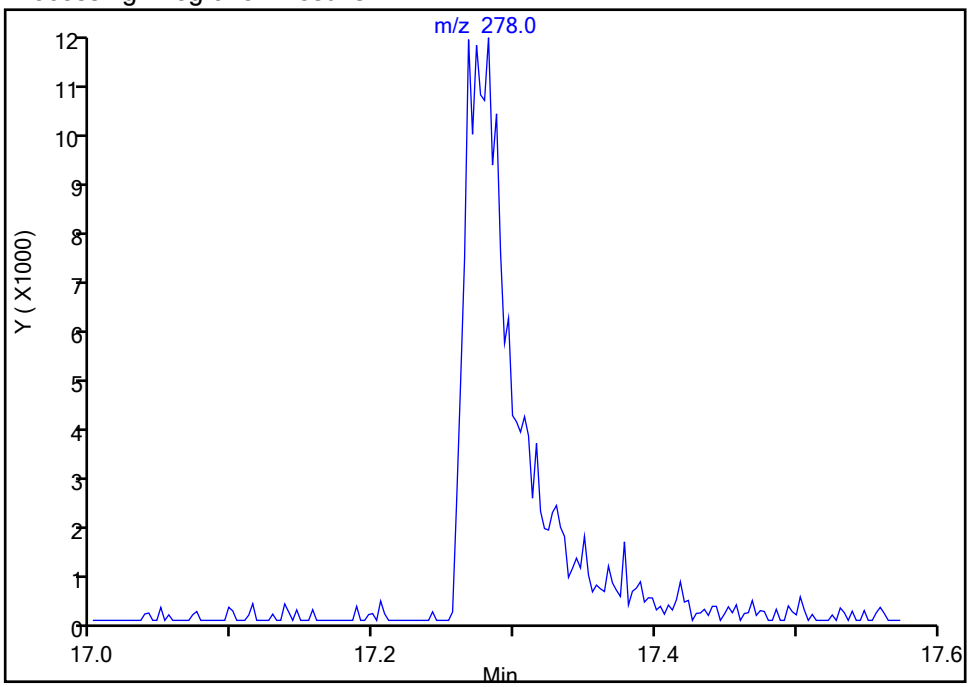
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825518.D
Injection Date: 07-Oct-2021 11:59:30 Instrument ID: HP5973Y
Lims ID: IC - List 1 - 0.125
Client ID:
Operator ID: JM ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

194 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

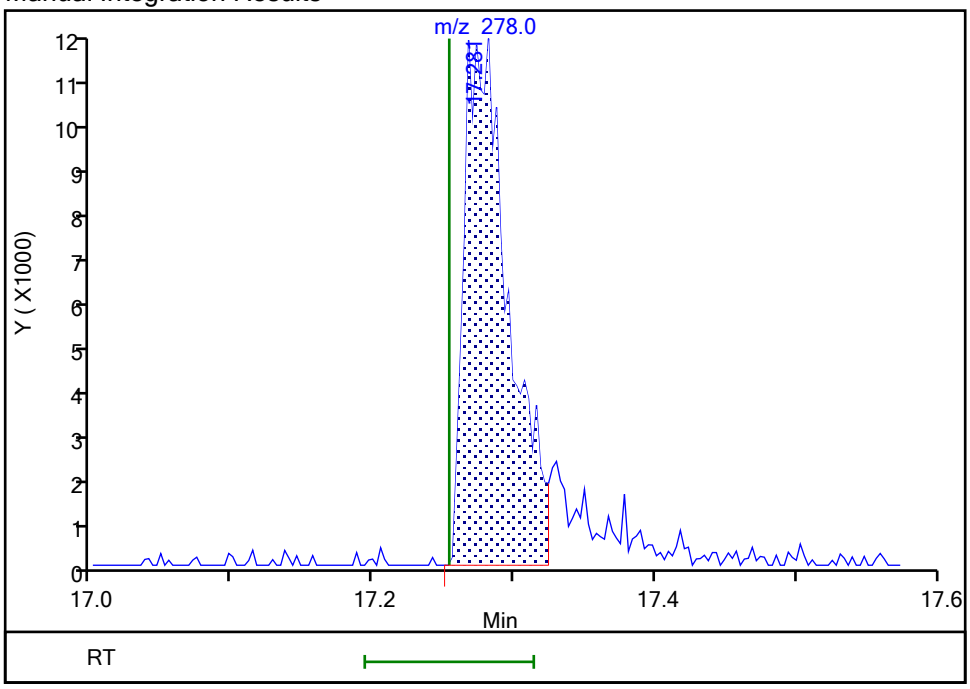
Not Detected
Expected RT: 17.25

Processing Integration Results



Manual Integration Results

RT: 17.28
Area: 25986
Amount: 0.129457
Amount Units: ng/uL



Reviewer: marshallj, 08-Oct-2021 10:07:43
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo

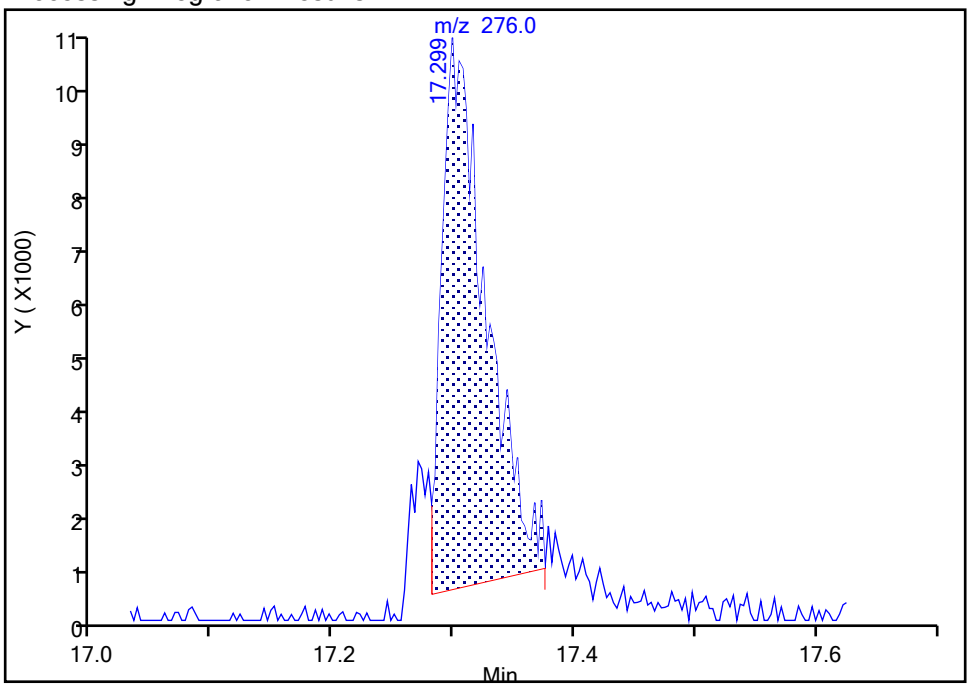
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825518.D
Injection Date: 07-Oct-2021 11:59:30 Instrument ID: HP5973Y
Lims ID: IC - List 1 - 0.125
Client ID:
Operator ID: JM ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

193 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

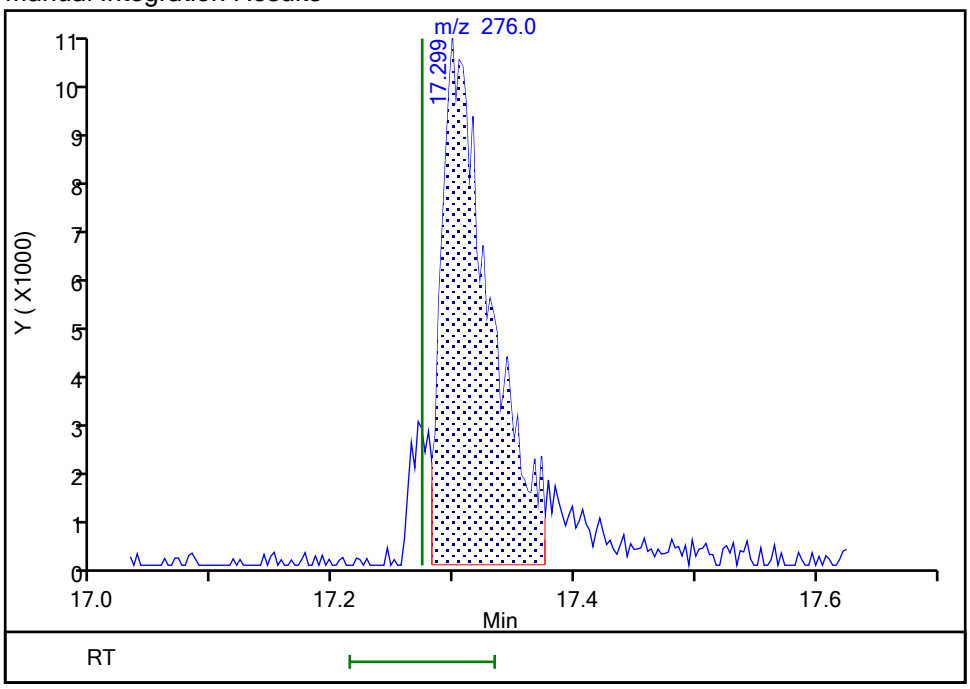
Processing Integration Results

RT: 17.30
Area: 24385
Amount: 0.126838
Amount Units: ng/uL



Manual Integration Results

RT: 17.30
Area: 28335
Amount: 0.127743
Amount Units: ng/uL



Reviewer: marshallj, 08-Oct-2021 10:07:50
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

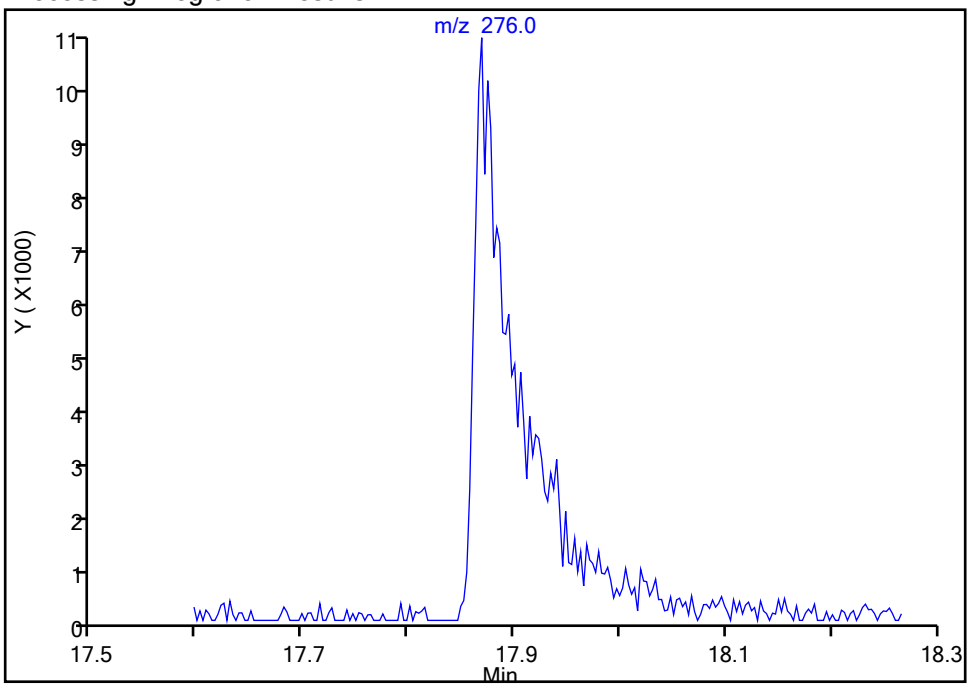
Data File:	\\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825518.D				
Injection Date:	07-Oct-2021 11:59:30	Instrument ID:	HP5973Y		
Lims ID:	IC - List 1 - 0.125				
Client ID:					
Operator ID:	JM	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

195 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

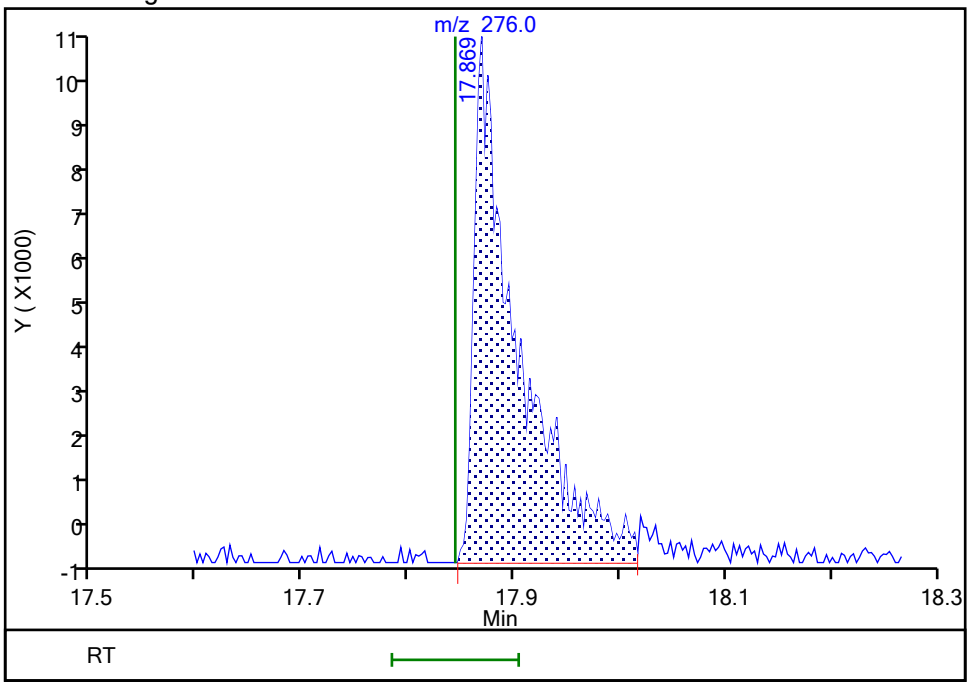
Not Detected
Expected RT: 17.84

Processing Integration Results



Manual Integration Results

RT: 17.87
Area: 30395
Amount: 0.127675
Amount Units: ng/uL



Reviewer: marshallj, 08-Oct-2021 10:08:08
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825519.D
Lims ID: IC - List 1 - 0.50
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 07-Oct-2021 12:26:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 480-0101480-004
Operator ID: JM Instrument ID: HP5973Y
Sublist: chrom-Y-LVI-8270*sub36

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 08-Oct-2021 11:19:30 Calib Date: 07-Oct-2021 15:08:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825525.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1612

First Level Reviewer: marshallj Date: 08-Oct-2021 10:09:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.521	6.522	-0.001	96	302875	4.00	4.00	
* 2 Naphthalene-d8	136	7.611	7.611	0.000	100	1117448	4.00	4.00	
* 3 Acenaphthene-d10	164	9.101	9.101	0.000	95	621984	4.00	4.00	
* 4 Phenanthrene-d10	188	10.364	10.364	0.000	95	1054674	4.00	4.00	
* 5 Chrysene-d12	240	13.096	13.097	-0.001	97	935235	4.00	4.00	
* 6 Perylene-d12	264	15.352	15.352	0.000	96	1025428	4.00	4.00	
$ 7 2-Fluorophenol	112	5.381	5.378	0.003	90	41341	0.5000	0.5088	
$ 8 Phenol-d5	99	6.184	6.184	0.000	0	54983	0.5000	0.4820	
$ 9 Nitrobenzene-d5	82	6.992	6.990	0.002	88	50407	0.5000	0.5079	
$ 10 2-Fluorobiphenyl	172	8.502	8.502	0.000	99	105501	0.5000	0.5292	
$ 11 2,4,6-Tribromophenol	330	9.765	9.768	-0.003	93	11467	0.5000	0.5284	
$ 12 p-Terphenyl-d14	244	11.754	11.754	0.000	96	115670	0.5000	0.4963	
13 1,4-Dioxane	88	3.542	3.531	0.011	92	20531	0.5000	0.4986	
14 N-Nitrosodimethylamine	42	3.959	3.951	0.008	93	24509	0.5000	0.5001	
15 Pyridine	52	4.004	3.999	0.005	96	53623	1.00	0.9550	
35 Benzaldehyde	77	6.147	6.147	0.000	95	78599	1.00	0.9855	
37 Phenol	94	6.195	6.195	0.000	98	60774	0.5000	0.5017	
36 Aniline	93	6.238	6.235	0.003	97	68517	0.5000	0.4942	
39 Bis(2-chloroethyl)ether	93	6.269	6.269	0.000	93	50310	0.5000	0.5346	
40 2-Chlorophenol	128	6.351	6.349	0.002	96	46403	0.5000	0.4829	
41 n-Decane	57	6.354	6.354	0.000	94	52561	0.5000	0.5043	
43 1,3-Dichlorobenzene	146	6.476	6.476	0.000	97	57354	0.5000	0.5158	
44 1,4-Dichlorobenzene	146	6.538	6.536	0.002	96	58379	0.5000	0.5160	a
45 Benzyl alcohol	108	6.624	6.624	0.000	94	29270	0.5000	0.4775	
46 1,2-Dichlorobenzene	146	6.675	6.672	0.003	95	53410	0.5000	0.5085	
48 2-Methylphenol	108	6.709	6.709	0.000	91	45663	0.5000	0.5119	
49 2,2'-oxybis[1-chloropropane]	45	6.726	6.726	0.000	89	70799	0.5000	0.5052	
47 Indene	115	6.748	6.749	-0.001	88	459476	2.50	2.44	
57 4-Methylphenol	108	6.834	6.837	-0.003	93	47627	0.5000	0.5123	
53 N-Nitrosodi-n-propylamine	70	6.839	6.840	-0.001	88	33057	0.5000	0.4909	
52 Acetophenone	105	6.853	6.854	-0.001	95	64159	0.5000	0.4961	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
58 Hexachloroethane	117	6.967	6.967	0.000	95	21655	0.5000	0.4864	
59 Nitrobenzene	77	7.010	7.007	0.003	88	51263	0.5000	0.5003	
62 Isophorone	82	7.200	7.200	0.000	99	85851	0.5000	0.4780	
64 2-Nitrophenol	139	7.279	7.277	0.002	90	20841	0.5000	0.5106	
66 2,4-Dimethylphenol	107	7.282	7.285	-0.003	93	47134	0.5000	0.4849	
70 Benzoic acid	105	7.344	7.339	0.005	27	3654	2.50	9.68	Ma
69 Bis(2-chloroethoxy)methane	93	7.356	7.356	0.000	97	54843	0.5000	0.5038	
72 2,4-Dichlorophenol	162	7.481	7.481	0.000	93	35955	0.5000	0.4617	
73 1,2,4-Trichlorobenzene	180	7.557	7.558	-0.001	94	43815	0.5000	0.5064	
74 Naphthalene	128	7.631	7.631	0.000	97	145796	0.5000	0.5073	
76 4-Chloroaniline	127	7.654	7.654	0.000	96	57091	0.5000	0.5199	
77 2,6-Dichlorophenol	162	7.671	7.671	0.000	95	36892	0.5000	0.4768	
79 Hexachlorobutadiene	225	7.722	7.722	0.000	95	24567	0.5000	0.4721	
84 Caprolactam	113	7.923	7.924	-0.001	77	23755	1.00	1.02	
85 4-Chloro-3-methylphenol	107	8.042	8.046	-0.004	97	36490	0.5000	0.4758	
87 2-Methylnaphthalene	142	8.213	8.213	0.000	91	97752	0.5000	0.5057	
89 1-Methylnaphthalene	142	8.298	8.298	0.000	93	91652	0.5000	0.5116	
90 Hexachlorocyclopentadiene	237	8.343	8.344	-0.001	89	2362	0.5000	1.05	
91 1,2,4,5-Tetrachlorobenzene	216	8.355	8.355	0.000	97	45483	0.5000	0.5037	
93 2,4,6-Trichlorophenol	196	8.440	8.443	-0.003	93	22582	0.5000	0.5181	
94 2,4,5-Trichlorophenol	196	8.477	8.477	0.000	94	24165	0.5000	0.5201	
96 1,1'-Biphenyl	154	8.593	8.593	0.000	98	112211	0.5000	0.5140	
97 2-Chloronaphthalene	162	8.630	8.630	0.000	96	87213	0.5000	0.5040	
100 2-Nitroaniline	65	8.695	8.698	-0.003	83	21453	0.5000	0.5081	
105 Dimethyl phthalate	163	8.817	8.817	0.000	99	93708	0.5000	0.5052	
106 1,3-Dinitrobenzene	168	8.865	8.866	-0.001	84	11998	0.5000	0.5167	
107 2,6-Dinitrotoluene	165	8.879	8.883	-0.004	90	18148	0.5000	0.5047	
108 Acenaphthylene	152	8.987	8.988	-0.001	98	131529	0.5000	0.4872	
109 3-Nitroaniline	138	9.038	9.039	-0.001	96	21577	0.5000	0.4948	
110 Acenaphthene	153	9.129	9.130	-0.001	96	96642	0.5000	0.5391	
111 2,4-Dinitrophenol	184	9.143	9.130	0.013	56	602	1.00	2.23	M
112 4-Nitrophenol	109	9.158	9.158	0.000	87	14311	1.00	1.04	
114 2,4-Dinitrotoluene	165	9.229	9.232	-0.004	94	23182	0.5000	0.5101	
115 Dibenzofuran	168	9.274	9.274	0.000	97	126073	0.5000	0.5121	
118 2,3,4,6-Tetrachlorophenol	232	9.368	9.371	-0.003	73	11425	0.5000	0.7598	
121 Hexadecane	57	9.393	9.396	-0.003	94	58013	0.5000	0.4815	
120 Diethyl phthalate	149	9.399	9.402	-0.003	98	94112	0.5000	0.4974	
123 4-Chlorophenyl phenyl ether	204	9.532	9.533	0.000	92	49105	0.5000	0.5116	
126 4-Nitroaniline	138	9.552	9.555	-0.003	88	21607	0.5000	0.5041	
124 Fluorene	166	9.563	9.564	-0.001	92	98764	0.5000	0.5136	
127 4,6-Dinitro-2-methylphenol	198	9.583	9.584	-0.001	84	6102	1.00	1.45	
129 Diphenylamine	169	9.629	9.629	0.000	92	65147	0.4275	0.3999	
130 N-Nitrosodiphenylamine	169	9.629	9.629	0.000	78	65147	0.5000	0.4678	
131 1,2-Diphenylhydrazine	77	9.671	9.672	-0.001	41	94434	0.5000	0.4676	
132 Azobenzene	77	9.671	9.672	-0.001	99	94103	0.5000	0.4662	
139 4-Bromophenyl phenyl ether	248	9.949	9.950	-0.001	67	27702	0.5000	0.4746	
140 Hexachlorobenzene	284	10.040	10.040	0.000	93	32000	0.5000	0.5035	
143 Atrazine	200	10.043	10.046	-0.003	91	49587	1.00	0.99	
148 n-Octadecane	57	10.165	10.165	0.000	94	58903	0.5000	0.4789	
145 Pentachlorophenol	266	10.202	10.194	0.008	88	1676	1.00	2.02	
151 Phenanthrene	178	10.386	10.387	-0.001	98	143736	0.5000	0.5120	
152 Anthracene	178	10.429	10.432	-0.003	97	127446	0.5000	0.4685	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
153 Carbazole	167	10.545	10.548	-0.003	97	124258	0.5000	0.5045	
157 Di-n-butyl phthalate	149	10.766	10.767	-0.001	100	145169	0.5000	0.4554	
164 Fluoranthene	202	11.430	11.431	-0.001	99	137121	0.5000	0.4792	
166 Benzidine	184	11.507	11.510	-0.003	99	147412	1.00	0.9597	
167 Pyrene	202	11.663	11.666	-0.003	96	149529	0.5000	0.5159	
174 Butyl benzyl phthalate	149	12.245	12.248	-0.003	97	57939	0.5000	0.5117	
181 Bis(2-ethylhexyl) phthalate	149	12.951	12.952	-0.001	97	76284	0.5000	0.5073	
179 3,3'-Dichlorobenzidine	252	12.988	12.992	-0.004	73	110315	1.00	1.01	
180 Benzo[a]anthracene	228	13.082	13.085	-0.003	98	142133	0.5000	0.5022	
182 Chrysene	228	13.139	13.139	0.000	97	136437	0.5000	0.4971	
184 Di-n-octyl phthalate	149	13.908	13.905	0.003	99	130267	0.5000	0.5133	
186 Benzo[b]fluoranthene	252	14.733	14.734	-0.001	98	136597	0.5000	0.4706	
187 Benzo[k]fluoranthene	252	14.776	14.776	0.000	97	150665	0.5000	0.4915	M
189 Benzo[a]pyrene	252	15.278	15.281	-0.003	79	132727	0.5000	0.4689	
194 Dibenz(a,h)anthracene	278	17.250	17.254	-0.004	90	122913	0.5000	0.4447	
193 Indeno[1,2,3-cd]pyrene	276	17.270	17.273	-0.003	96	153431	0.5000	0.4724	
195 Benzo[g,h,i]perylene	276	17.838	17.844	-0.006	94	133161	0.5000	0.4715	M
S 261 Total Cresols	1				0			1.02	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

MB_L1LVI_WRK_00509	Amount Added: 1.00	Units: mL	
MB_LLIS_WRK_00223	Amount Added: 20.00	Units: uL	Run Reagent

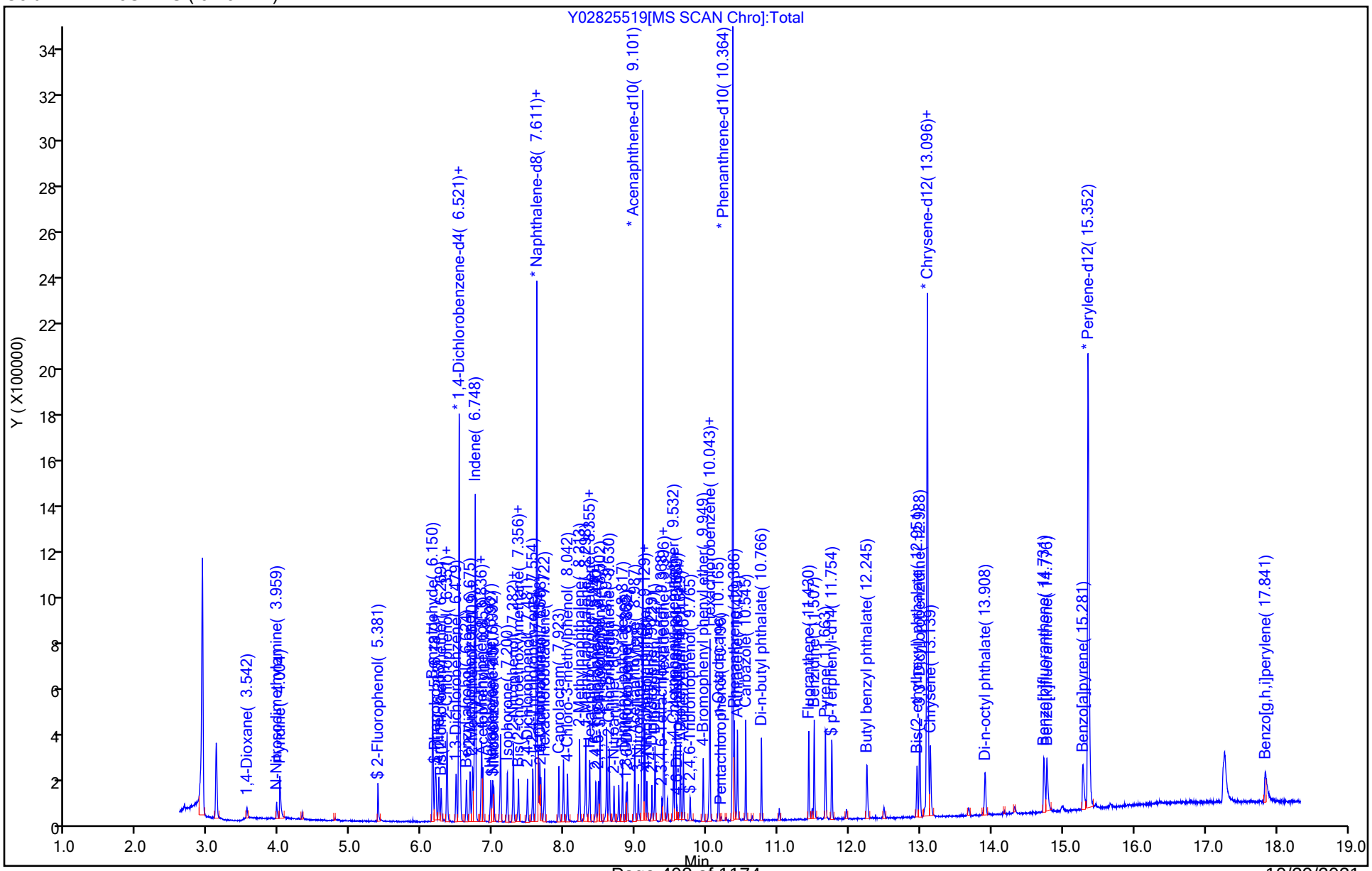
Report Date: 08-Oct-2021 11:19:30 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825519.D

Injection Date:	07-Oct-2021 12:26:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	IC - List 1 - 0.50			Worklist Smp#:	4
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

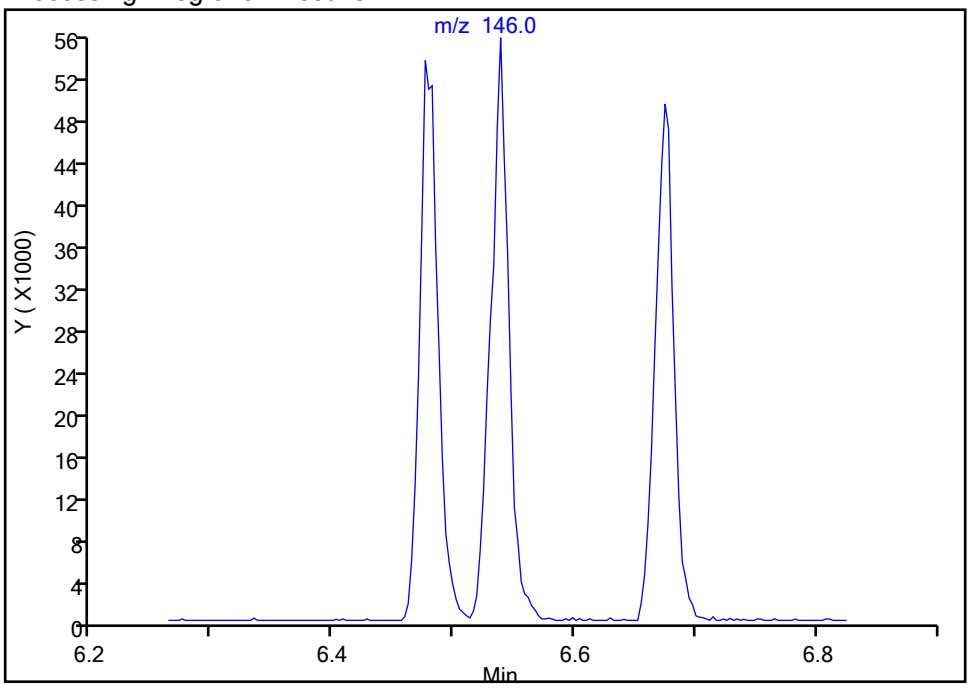
Data File:	\\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825519.D				
Injection Date:	07-Oct-2021 12:26:30	Instrument ID:	HP5973Y		
Lims ID:	IC - List 1 - 0.50				
Client ID:					
Operator ID:	JM	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

44 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

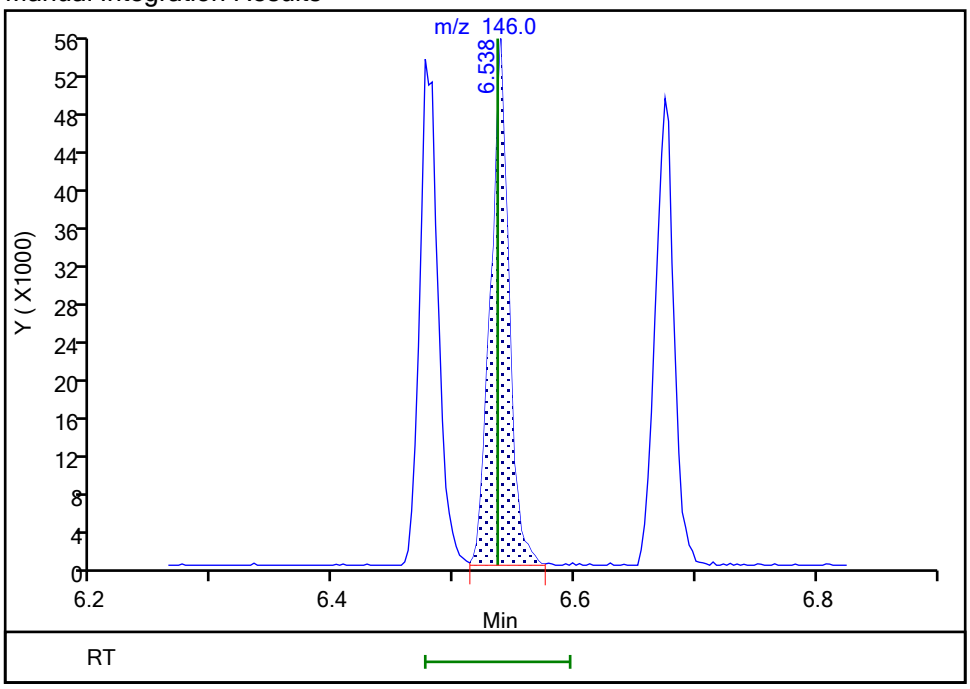
Not Detected
Expected RT: 6.54

Processing Integration Results



RT: 6.54
Area: 58379
Amount: 0.516011
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 08-Oct-2021 10:08:25
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

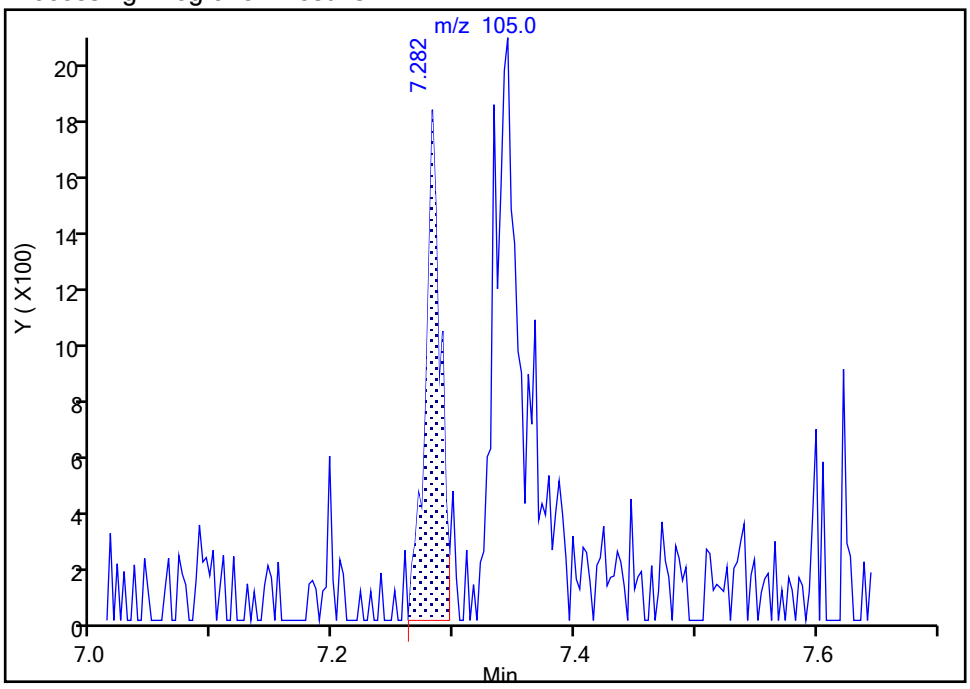
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825519.D
Injection Date: 07-Oct-2021 12:26:30 Instrument ID: HP5973Y
Lims ID: IC - List 1 - 0.50
Client ID:
Operator ID: JM ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

70 Benzoic acid, CAS: 65-85-0

Signal: 1

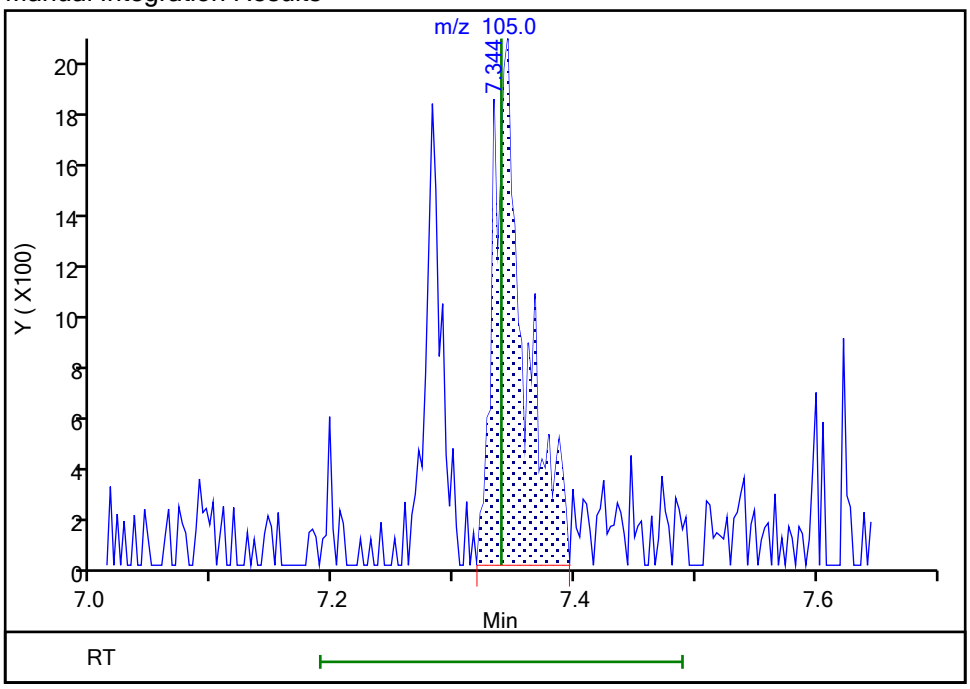
Processing Integration Results

RT: 7.28
Area: 1572
Amount: 1.766325
Amount Units: ng/uL



Manual Integration Results

RT: 7.34
Area: 3654
Amount: 9.677231
Amount Units: ng/uL



Reviewer: marshallj, 08-Oct-2021 10:08:47
Audit Action: Manually Integrated Audit Reason: Wrong peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

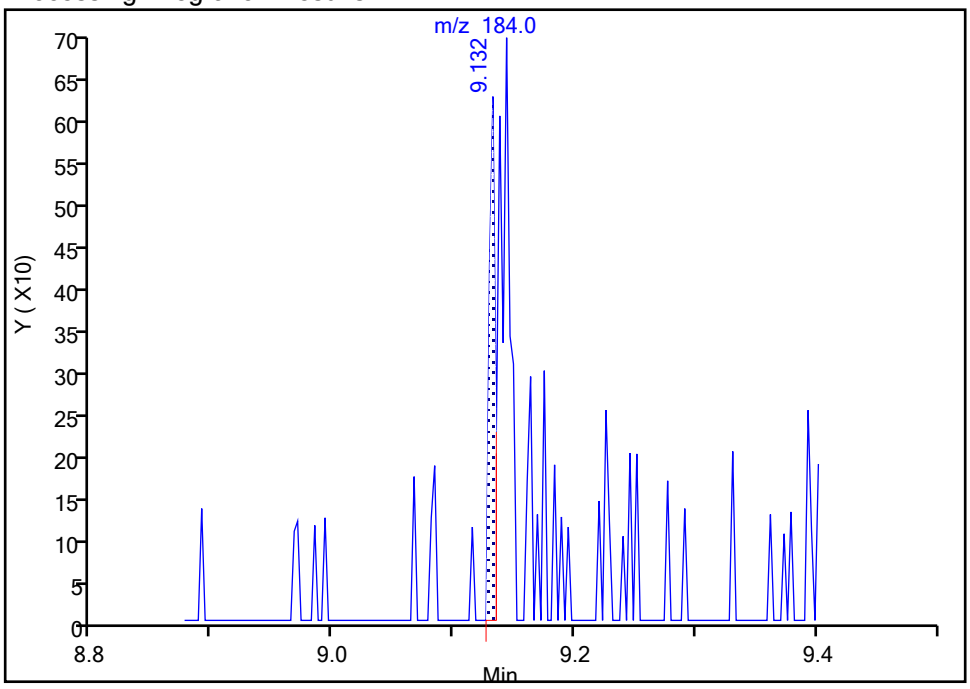
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825519.D
Injection Date: 07-Oct-2021 12:26:30 Instrument ID: HP5973Y
Lims ID: IC - List 1 - 0.50
Client ID:
Operator ID: JM ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

111 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

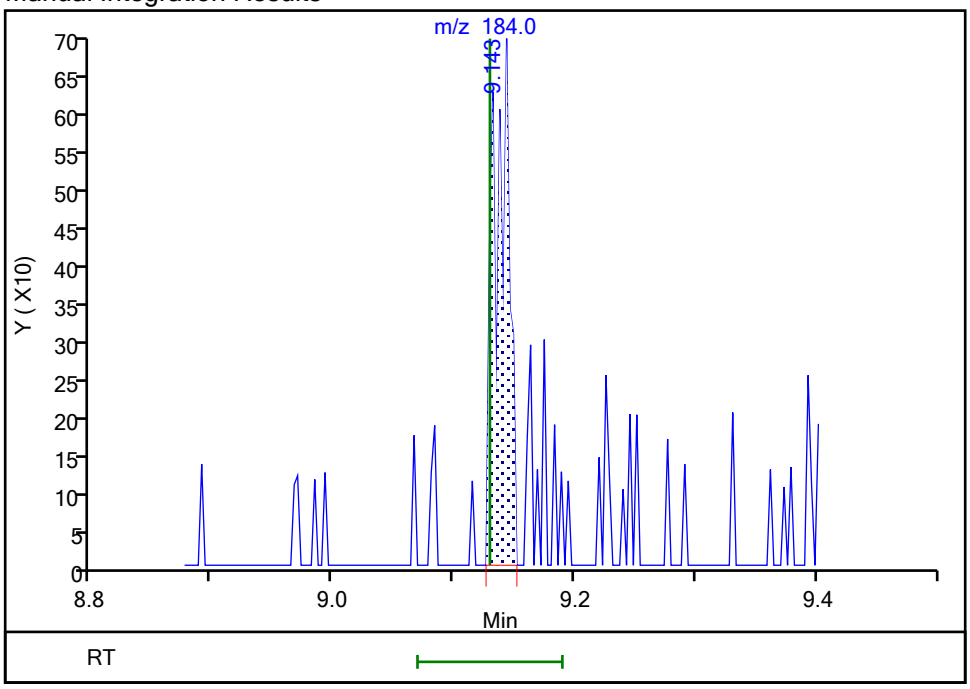
Processing Integration Results

RT: 9.13
Area: 216
Amount: 0.017338
Amount Units: ng/uL



Manual Integration Results

RT: 9.14
Area: 602
Amount: 2.228331
Amount Units: ng/uL



Reviewer: marshallj, 08-Oct-2021 10:09:07
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

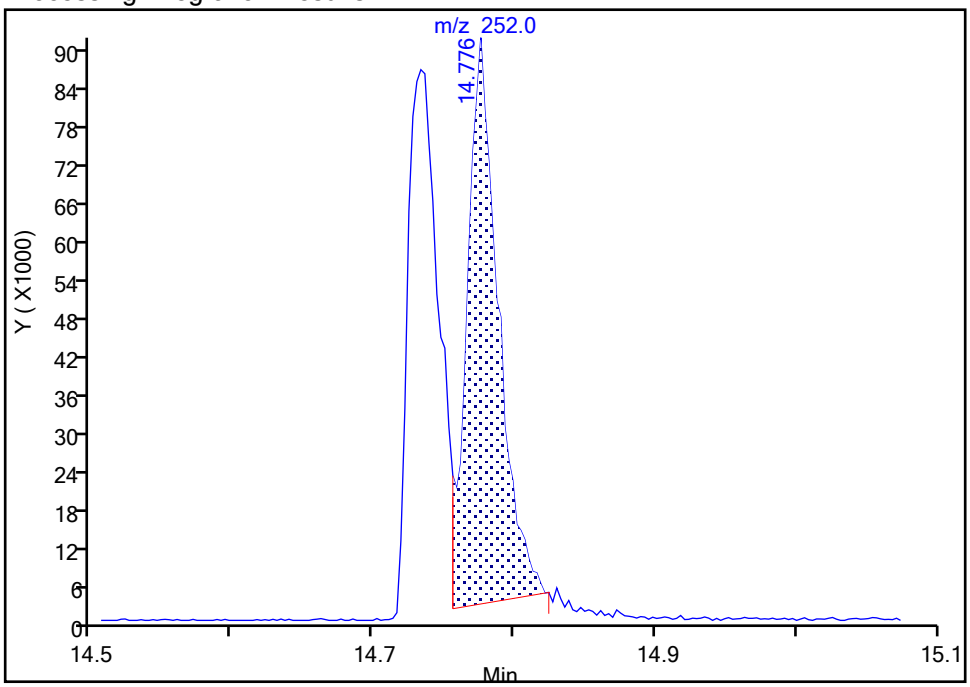
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825519.D
Injection Date: 07-Oct-2021 12:26:30 Instrument ID: HP5973Y
Lims ID: IC - List 1 - 0.50
Client ID:
Operator ID: JM ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

187 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

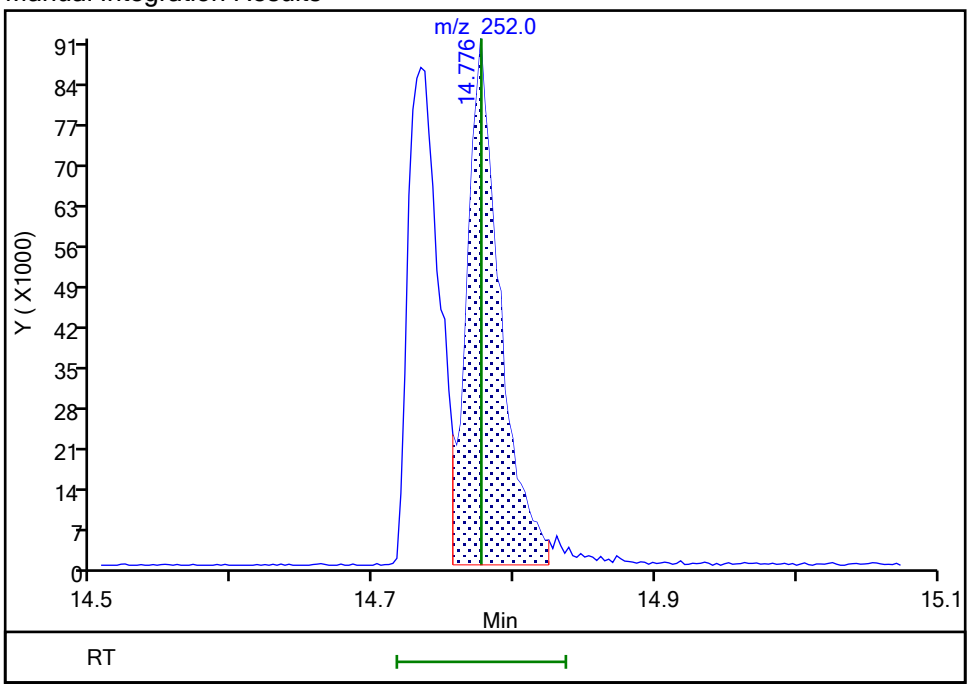
Processing Integration Results

RT: 14.78
Area: 137616
Amount: 0.454025
Amount Units: ng/uL



Manual Integration Results

RT: 14.78
Area: 150665
Amount: 0.491470
Amount Units: ng/uL



Reviewer: marshallj, 08-Oct-2021 10:09:32
Audit Action: Assigned New Baseline Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

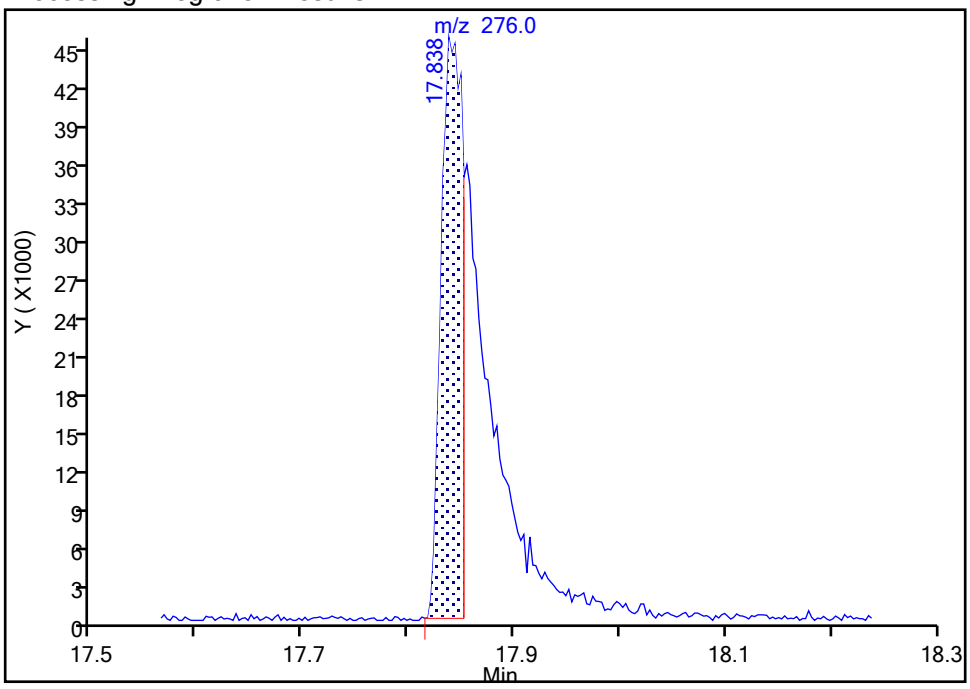
Data File:	\\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825519.D				
Injection Date:	07-Oct-2021 12:26:30	Instrument ID:	HP5973Y		
Lims ID:	IC - List 1 - 0.50				
Client ID:					
Operator ID:	JM	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

195 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

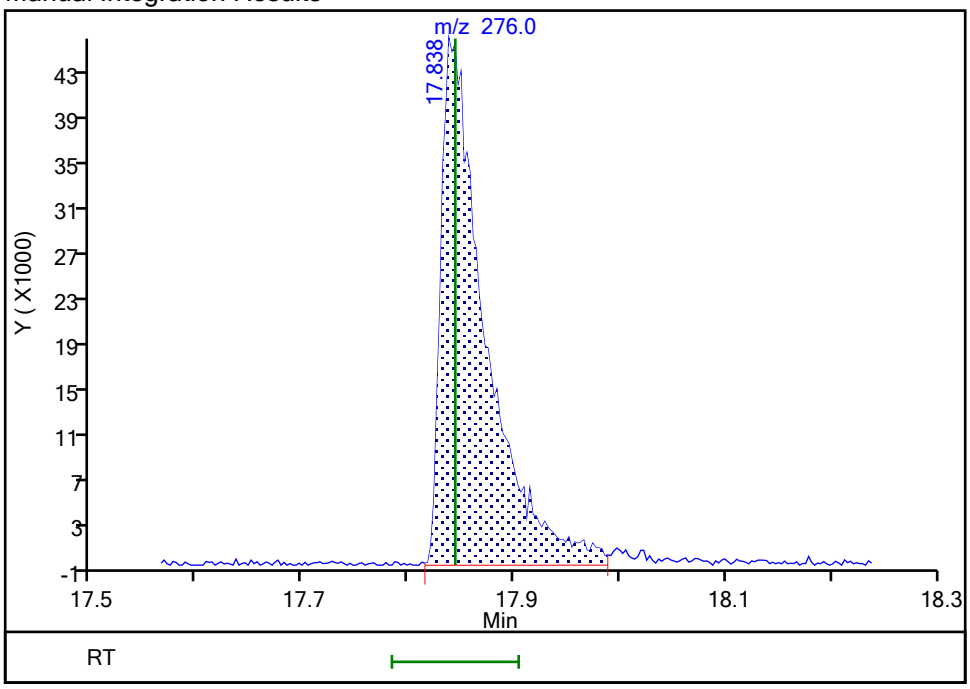
Processing Integration Results

RT: 17.84
Area: 63220
Amount: 0.287311
Amount Units: ng/uL



Manual Integration Results

RT: 17.84
Area: 133161
Amount: 0.471483
Amount Units: ng/uL



Reviewer: marshallj, 08-Oct-2021 10:13:56
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825520.D
Lims ID: IC - List 1 - 1
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 07-Oct-2021 12:53:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 480-0101480-005
Operator ID: JM Instrument ID: HP5973Y
Sublist: chrom-Y-LVI-8270*sub36

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 08-Oct-2021 11:19:38 Calib Date: 07-Oct-2021 15:08:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825525.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1612

First Level Reviewer: marshallj Date: 08-Oct-2021 10:14:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.522	6.522	0.000	96	304117	4.00	4.00	
* 2 Naphthalene-d8	136	7.614	7.611	0.003	99	1128739	4.00	4.00	
* 3 Acenaphthene-d10	164	9.101	9.101	0.000	93	627631	4.00	4.00	
* 4 Phenanthrene-d10	188	10.364	10.364	0.000	95	1029232	4.00	4.00	
* 5 Chrysene-d12	240	13.096	13.097	-0.001	99	932185	4.00	4.00	
* 6 Perylene-d12	264	15.358	15.352	0.006	97	1044302	4.00	4.00	
$ 7 2-Fluorophenol	112	5.381	5.378	0.003	92	84856	1.00	0.9853	
$ 8 Phenol-d5	99	6.184	6.184	0.000	0	115036	1.00	1.00	
$ 9 Nitrobenzene-d5	82	6.990	6.990	0.000	88	99768	1.00	0.9294	
$ 10 2-Fluorobiphenyl	172	8.502	8.502	0.000	100	196421	1.00	0.9763	
$ 11 2,4,6-Tribromophenol	330	9.768	9.768	0.000	94	23611	1.00	0.9267	
$ 12 p-Terphenyl-d14	244	11.754	11.754	0.000	96	234815	1.00	1.01	
13 1,4-Dioxane	88	3.537	3.531	0.006	94	38815	1.00	1.00	
14 N-Nitrosodimethylamine	42	3.954	3.951	0.003	92	48901	1.00	0.99	
15 Pyridine	52	3.999	3.999	0.000	96	103635	2.00	1.84	
35 Benzaldehyde	77	6.147	6.147	0.000	96	150718	2.00	1.99	
37 Phenol	94	6.195	6.195	0.000	98	120794	1.00	0.99	
36 Aniline	93	6.235	6.235	0.000	97	139775	1.00	1.00	
39 Bis(2-chloroethyl)ether	93	6.269	6.269	0.000	94	96559	1.00	1.02	
40 2-Chlorophenol	128	6.349	6.349	0.000	96	95786	1.00	0.99	
41 n-Decane	57	6.351	6.354	-0.003	95	104413	1.00	1.00	
43 1,3-Dichlorobenzene	146	6.479	6.476	0.003	97	110816	1.00	0.99	
44 1,4-Dichlorobenzene	146	6.539	6.536	0.003	96	117585	1.00	1.04	
45 Benzyl alcohol	108	6.624	6.624	0.000	93	59076	1.00	0.9597	
46 1,2-Dichlorobenzene	146	6.675	6.672	0.003	97	105816	1.00	1.00	
48 2-Methylphenol	108	6.709	6.709	0.000	96	86405	1.00	0.9646	
49 2,2'-oxybis[1-chloropropane]	45	6.729	6.726	0.003	90	141153	1.00	1.00	
47 Indene	115	6.749	6.749	0.000	89	905783	5.00	5.12	
57 4-Methylphenol	108	6.837	6.837	0.000	95	92235	1.00	0.9880	
53 N-Nitrosodi-n-propylamine	70	6.840	6.840	0.000	91	68198	1.00	1.01	
52 Acetophenone	105	6.854	6.854	0.000	96	127727	1.00	0.9835	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
58 Hexachloroethane	117	6.967	6.967	0.000	95	43095	1.00	0.9639	
59 Nitrobenzene	77	7.007	7.007	0.000	87	97893	1.00	0.9458	
62 Isophorone	82	7.200	7.200	0.000	99	176862	1.00	0.9750	
64 2-Nitrophenol	139	7.279	7.277	0.002	93	44698	1.00	0.9628	
66 2,4-Dimethylphenol	107	7.282	7.285	-0.003	95	96460	1.00	0.9823	
70 Benzoic acid	105	7.347	7.339	0.008	29	24838	5.00	10.1	Ma
69 Bis(2-chloroethoxy)methane	93	7.356	7.356	0.000	97	109770	1.00	1.00	
72 2,4-Dichlorophenol	162	7.481	7.481	0.000	95	73253	1.00	0.9312	
73 1,2,4-Trichlorobenzene	180	7.557	7.558	-0.001	94	85108	1.00	0.9738	
74 Naphthalene	128	7.631	7.631	0.000	96	289034	1.00	1.00	
76 4-Chloroaniline	127	7.657	7.654	0.003	96	108421	1.00	0.9774	
77 2,6-Dichlorophenol	162	7.671	7.671	0.000	97	74223	1.00	0.9496	
79 Hexachlorobutadiene	225	7.722	7.722	0.000	96	52248	1.00	0.99	
84 Caprolactam	113	7.929	7.924	0.005	77	48910	2.00	1.93	
85 4-Chloro-3-methylphenol	107	8.043	8.046	-0.003	96	73457	1.00	0.9482	
87 2-Methylnaphthalene	142	8.210	8.213	-0.003	91	189312	1.00	0.9696	
89 1-Methylnaphthalene	142	8.298	8.298	0.000	93	180447	1.00	1.00	
90 Hexachlorocyclopentadiene	237	8.343	8.344	-0.001	93	8932	1.00	1.25	
91 1,2,4,5-Tetrachlorobenzene	216	8.355	8.355	0.000	97	91104	1.00	1.00	
93 2,4,6-Trichlorophenol	196	8.440	8.443	-0.003	93	46616	1.00	0.9499	
94 2,4,5-Trichlorophenol	196	8.477	8.477	0.000	93	48214	1.00	0.9426	
96 1,1'-Biphenyl	154	8.593	8.593	0.000	96	227260	1.00	1.03	
97 2-Chloronaphthalene	162	8.630	8.630	0.000	97	179870	1.00	1.03	
100 2-Nitroaniline	65	8.695	8.698	-0.003	87	45008	1.00	0.9656	
105 Dimethyl phthalate	163	8.817	8.817	0.000	98	188933	1.00	1.01	
106 1,3-Dinitrobenzene	168	8.863	8.866	-0.003	85	24716	1.00	0.9177	
107 2,6-Dinitrotoluene	165	8.883	8.883	0.000	93	39743	1.00	0.99	
108 Acenaphthylene	152	8.988	8.988	0.000	98	277723	1.00	1.02	
109 3-Nitroaniline	138	9.039	9.039	0.000	96	47564	1.00	1.02	
110 Acenaphthene	153	9.129	9.130	-0.001	97	185307	1.00	1.02	
111 2,4-Dinitrophenol	184	9.129	9.130	-0.001	57	6037	2.00	2.46	
112 4-Nitrophenol	109	9.158	9.158	0.000	89	34496	2.00	1.91	
114 2,4-Dinitrotoluene	165	9.229	9.232	-0.003	94	50092	1.00	0.9759	
115 Dibenzofuran	168	9.271	9.274	-0.003	97	255907	1.00	1.03	
118 2,3,4,6-Tetrachlorophenol	232	9.368	9.371	-0.003	74	24063	1.00	1.03	
121 Hexadecane	57	9.393	9.396	-0.003	94	117117	1.00	0.9633	
120 Diethyl phthalate	149	9.402	9.402	0.000	98	193434	1.00	1.01	
123 4-Chlorophenyl phenyl ether	204	9.532	9.533	0.000	94	96596	1.00	1.00	
126 4-Nitroaniline	138	9.555	9.555	0.000	84	45911	1.00	0.9830	
124 Fluorene	166	9.564	9.564	0.000	97	195332	1.00	1.01	
127 4,6-Dinitro-2-methylphenol	198	9.581	9.584	-0.003	85	23036	2.00	2.04	
129 Diphenylamine	169	9.629	9.629	0.000	93	140421	0.8550	0.8834	
130 N-Nitrosodiphenylamine	169	9.629	9.629	0.000	64	140421	1.00	1.03	
131 1,2-Diphenylhydrazine	77	9.669	9.672	-0.003	41	199193	1.00	1.01	
132 Azobenzene	77	9.669	9.672	-0.003	99	199193	1.00	1.01	
139 4-Bromophenyl phenyl ether	248	9.950	9.950	0.000	67	55086	1.00	0.9671	
140 Hexachlorobenzene	284	10.040	10.040	0.000	95	65608	1.00	1.01	
143 Atrazine	200	10.046	10.046	0.000	91	99815	2.00	1.98	
148 n-Octadecane	57	10.165	10.165	0.000	93	119760	1.00	1.00	
145 Pentachlorophenol	266	10.196	10.194	0.002	91	10557	2.00	2.31	
151 Phenanthrene	178	10.387	10.387	0.000	98	279478	1.00	1.02	
152 Anthracene	178	10.429	10.432	-0.003	97	282142	1.00	1.06	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
153 Carbazole	167	10.545	10.548	-0.003	96	241527	1.00	1.00	
157 Di-n-butyl phthalate	149	10.767	10.767	0.000	100	309739	1.00	1.00	
164 Fluoranthene	202	11.431	11.431	0.000	99	278407	1.00	1.00	
166 Benzidine	184	11.507	11.510	-0.003	99	313159	2.00	2.05	
167 Pyrene	202	11.663	11.666	-0.003	95	289146	1.00	1.00	
174 Butyl benzyl phthalate	149	12.245	12.248	-0.003	98	122334	1.00	0.9665	
181 Bis(2-ethylhexyl) phthalate	149	12.949	12.952	-0.003	96	172447	1.00	0.9780	
179 3,3'-Dichlorobenzidine	252	12.989	12.992	-0.003	74	227101	2.00	1.97	
180 Benzo[a]anthracene	228	13.082	13.085	-0.003	98	286565	1.00	1.02	
182 Chrysene	228	13.136	13.139	-0.003	97	283443	1.00	1.04	
184 Di-n-octyl phthalate	149	13.908	13.905	0.003	99	286737	1.00	0.9579	
186 Benzo[b]fluoranthene	252	14.728	14.734	-0.006	98	288397	1.00	0.9586	
187 Benzo[k]fluoranthene	252	14.771	14.776	-0.005	98	305194	1.00	0.9772	
189 Benzo[a]pyrene	252	15.276	15.281	-0.005	79	272496	1.00	0.9246	
194 Dibenz(a,h)anthracene	278	17.242	17.254	-0.012	88	273542	1.00	0.9259	
193 Indeno[1,2,3-cd]pyrene	276	17.259	17.273	-0.014	88	323204	1.00	0.9300	
195 Benzo[g,h,i]perylene	276	17.832	17.844	-0.012	96	276216	1.00	0.9412	M
S 261 Total Cresols	1				0			1.95	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

MB_L1LVI_WRK_00510	Amount Added: 1.00	Units: mL	
MB_LLIS_WRK_00223	Amount Added: 20.00	Units: uL	Run Reagent

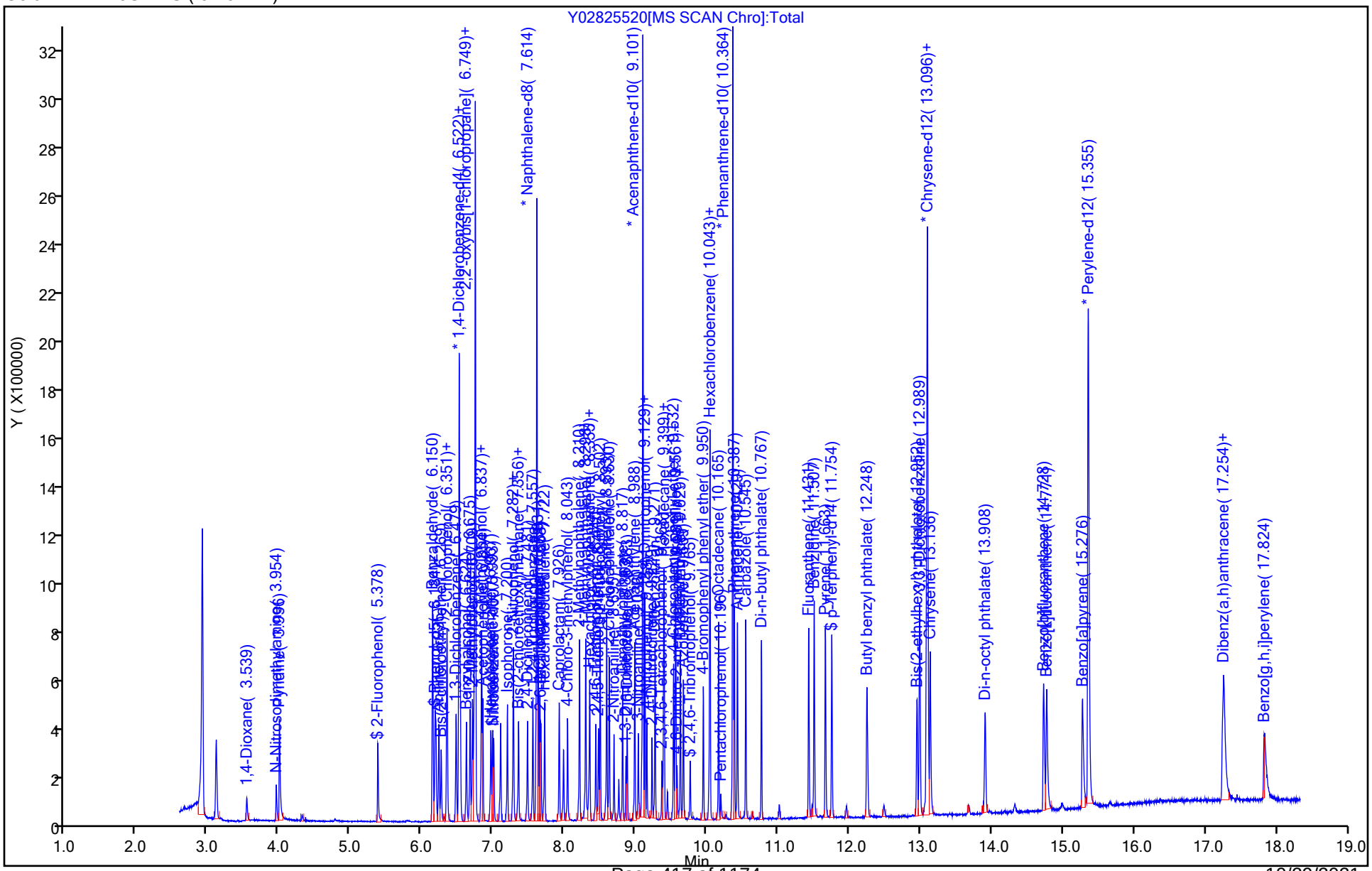
Report Date: 08-Oct-2021 11:19:38 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825520.D

Injection Date:	07-Oct-2021 12:53:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	IC - List 1 - 1			Worklist Smp#:	5
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo

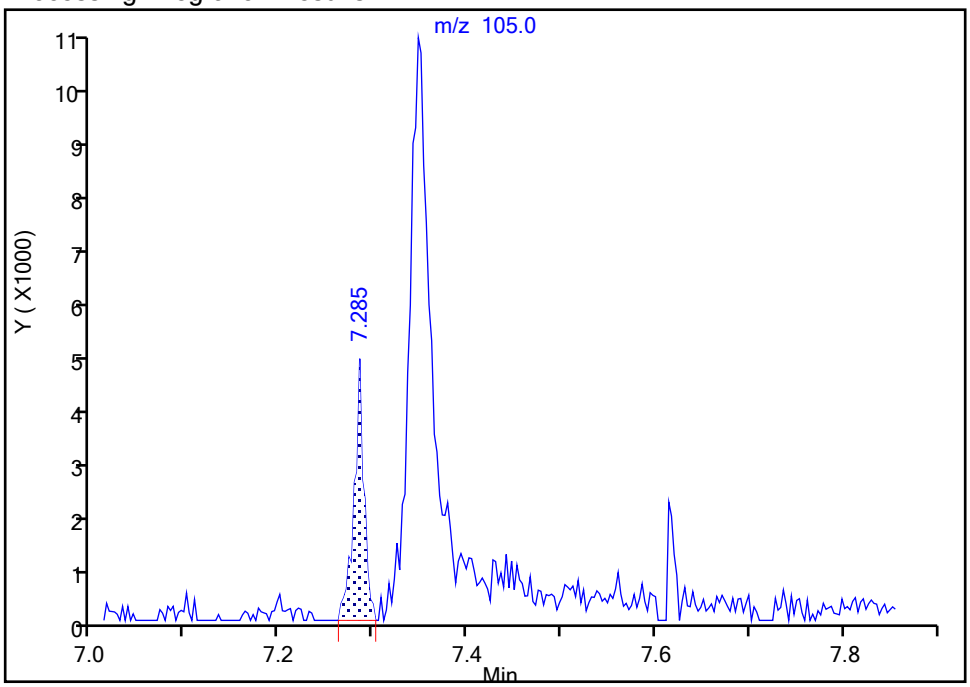
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825520.D
Injection Date: 07-Oct-2021 12:53:30 Instrument ID: HP5973Y
Lims ID: IC - List 1 - 1
Client ID:
Operator ID: JM ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

70 Benzoic acid, CAS: 65-85-0

Signal: 1

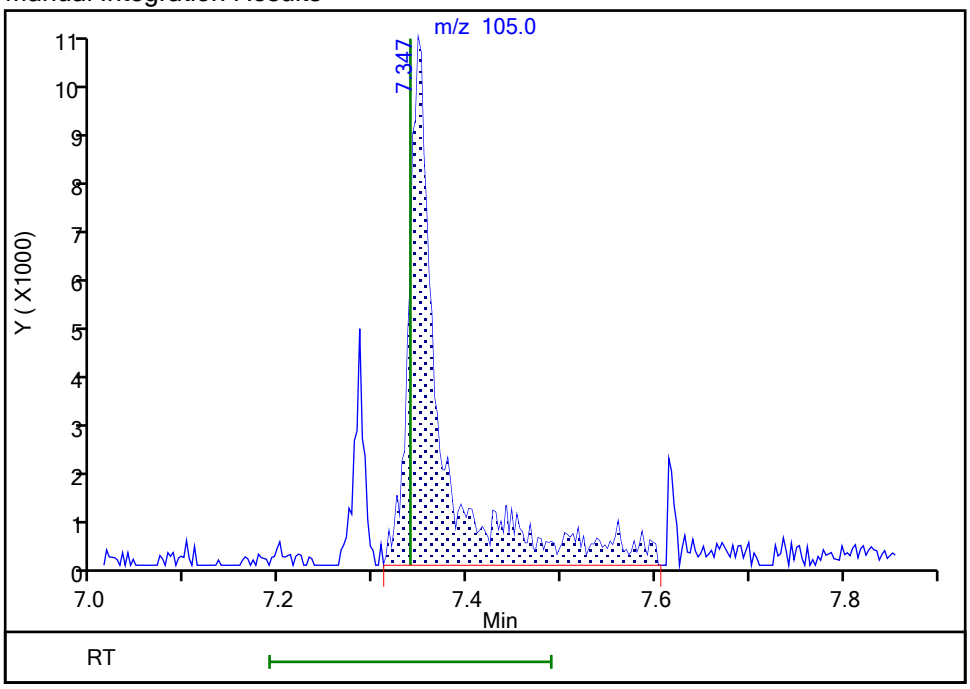
Processing Integration Results

RT: 7.29
Area: 3384
Amount: 1.808849
Amount Units: ng/uL



Manual Integration Results

RT: 7.35
Area: 24838
Amount: 10.103381
Amount Units: ng/uL



Reviewer: schickr, 08-Oct-2021 11:03:53
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

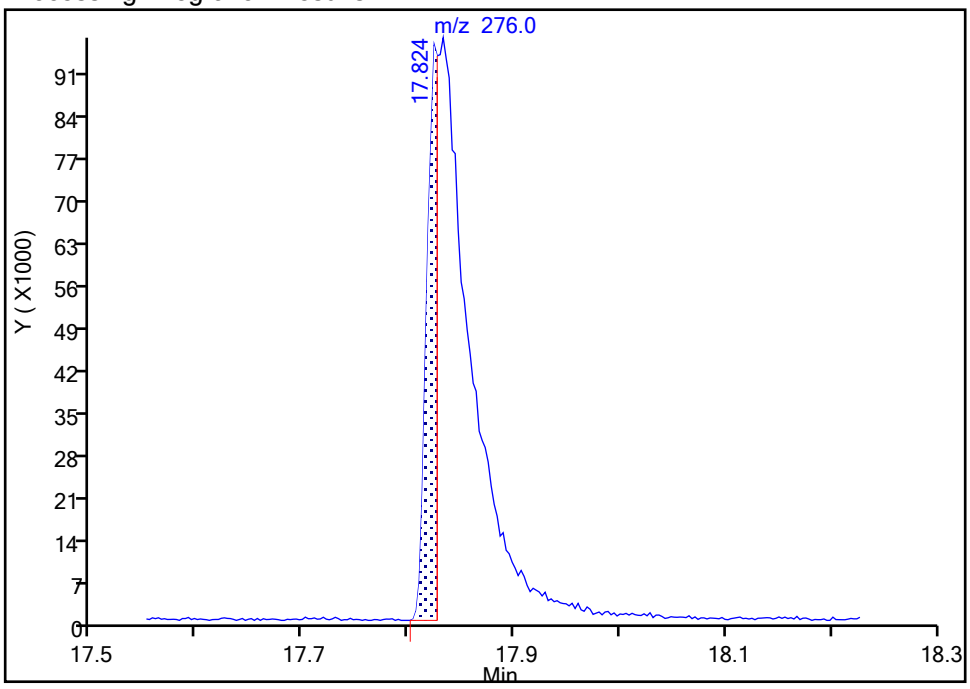
Data File:	\\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825520.D				
Injection Date:	07-Oct-2021 12:53:30	Instrument ID:	HP5973Y		
Lims ID:	IC - List 1 - 1				
Client ID:					
Operator ID:	JM	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

195 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

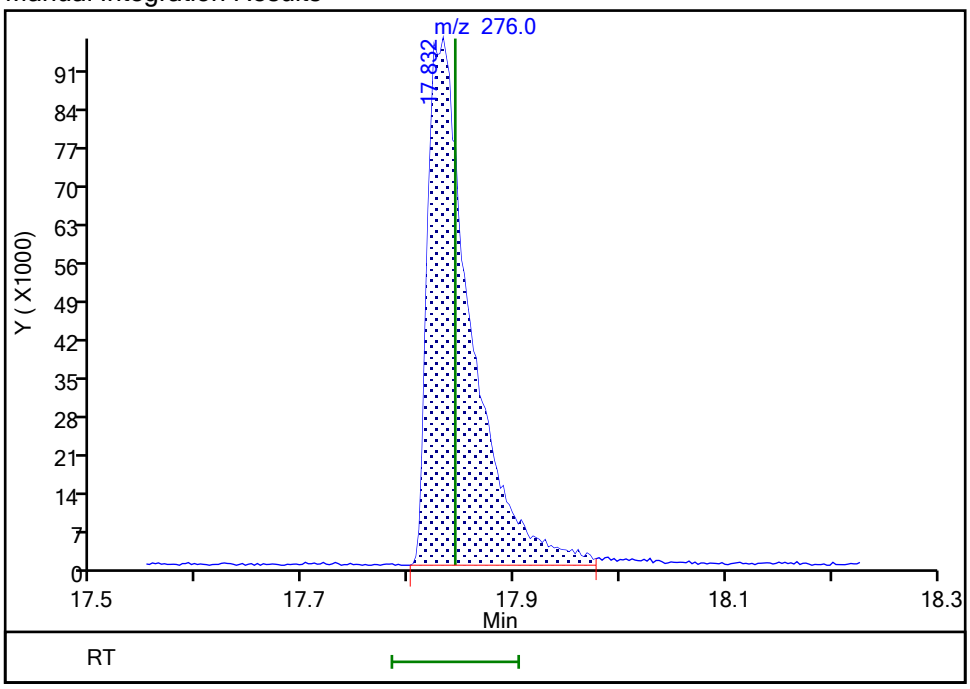
Processing Integration Results

RT: 17.82
Area: 69510
Amount: 0.284068
Amount Units: ng/uL



Manual Integration Results

RT: 17.83
Area: 276216
Amount: 0.941237
Amount Units: ng/uL



Reviewer: marshallj, 08-Oct-2021 10:14:54
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825521.D
Lims ID: IC - List 1 - 2
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 07-Oct-2021 13:19:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 480-0101480-006
Operator ID: JM Instrument ID: HP5973Y
Sublist: chrom-Y-LVI-8270*sub36

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 08-Oct-2021 11:19:46 Calib Date: 07-Oct-2021 15:08:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825525.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1612

First Level Reviewer: marshallj Date: 08-Oct-2021 10:15:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.522	6.522	0.000	95	319307	4.00	4.00	
* 2 Naphthalene-d8	136	7.612	7.611	0.001	100	1141103	4.00	4.00	
* 3 Acenaphthene-d10	164	9.101	9.101	0.000	94	657911	4.00	4.00	
* 4 Phenanthrene-d10	188	10.364	10.364	0.000	99	1068066	4.00	4.00	
* 5 Chrysene-d12	240	13.094	13.097	-0.003	96	978312	4.00	4.00	
* 6 Perylene-d12	264	15.353	15.352	0.001	96	1048414	4.00	4.00	
$ 7 2-Fluorophenol	112	5.378	5.378	0.000	93	177786	2.00	1.91	
$ 8 Phenol-d5	99	6.184	6.184	0.000	0	241619	2.00	2.01	
$ 9 Nitrobenzene-d5	82	6.993	6.990	0.003	87	242198	2.00	2.14	
$ 10 2-Fluorobiphenyl	172	8.503	8.502	0.001	99	433246	2.00	2.05	
$ 11 2,4,6-Tribromophenol	330	9.765	9.768	-0.003	96	54413	2.00	1.85	
$ 12 p-Terphenyl-d14	244	11.754	11.754	0.000	98	486964	2.00	2.00	
13 1,4-Dioxane	88	3.537	3.531	0.006	94	80216	2.00	2.03	
14 N-Nitrosodimethylamine	42	3.951	3.951	0.000	91	102493	2.00	1.98	
15 Pyridine	52	3.994	3.999	-0.005	96	235040	4.00	3.97	
35 Benzaldehyde	77	6.147	6.147	0.000	97	327524	4.00	4.26	
37 Phenol	94	6.196	6.195	0.001	98	252839	2.00	1.98	
36 Aniline	93	6.238	6.235	0.003	97	284562	2.00	1.95	
39 Bis(2-chloroethyl)ether	93	6.269	6.269	0.000	98	205228	2.00	2.07	
40 2-Chlorophenol	128	6.349	6.349	0.000	97	199157	2.00	1.97	
41 n-Decane	57	6.355	6.354	0.000	95	215210	2.00	1.96	
43 1,3-Dichlorobenzene	146	6.477	6.476	0.000	98	228884	2.00	1.95	
44 1,4-Dichlorobenzene	146	6.539	6.536	0.003	95	238239	2.00	2.00	
45 Benzyl alcohol	108	6.624	6.624	0.000	92	124297	2.00	1.92	
46 1,2-Dichlorobenzene	146	6.675	6.672	0.003	96	220506	2.00	1.99	
48 2-Methylphenol	108	6.709	6.709	0.000	93	186196	2.00	1.98	
49 2,2'-oxybis[1-chloropropane]	45	6.726	6.726	0.000	90	291891	2.00	1.98	
47 Indene	115	6.749	6.749	0.000	89	1878855	10.0	10.4	
57 4-Methylphenol	108	6.834	6.837	-0.003	96	191540	2.00	1.95	
53 N-Nitrosodi-n-propylamine	70	6.840	6.840	0.000	90	140107	2.00	1.97	
52 Acetophenone	105	6.854	6.854	0.000	94	264926	2.00	1.94	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
58 Hexachloroethane	117	6.967	6.967	0.000	96	92835	2.00	1.98	
59 Nitrobenzene	77	7.007	7.007	0.000	87	213352	2.00	2.04	
62 Isophorone	82	7.200	7.200	0.000	99	366922	2.00	2.00	
64 2-Nitrophenol	139	7.280	7.277	0.003	93	100342	2.00	2.01	
66 2,4-Dimethylphenol	107	7.285	7.285	0.000	93	201408	2.00	2.03	
70 Benzoic acid	105	7.365	7.339	0.026	90	109311	10.0	11.8	M
69 Bis(2-chloroethoxy)methane	93	7.356	7.356	0.000	97	232654	2.00	2.09	
72 2,4-Dichlorophenol	162	7.481	7.481	0.000	94	159252	2.00	2.00	
73 1,2,4-Trichlorobenzene	180	7.558	7.558	0.000	93	180363	2.00	2.04	
74 Naphthalene	128	7.631	7.631	0.000	98	602934	2.00	2.05	
76 4-Chloroaniline	127	7.654	7.654	0.000	97	228185	2.00	2.03	
77 2,6-Dichlorophenol	162	7.668	7.671	-0.003	97	158082	2.00	2.00	
79 Hexachlorobutadiene	225	7.722	7.722	0.000	96	107382	2.00	2.02	
84 Caprolactam	113	7.935	7.924	0.011	79	106410	4.00	3.99	
85 4-Chloro-3-methylphenol	107	8.046	8.046	0.000	95	154109	2.00	1.97	
87 2-Methylnaphthalene	142	8.210	8.213	-0.003	98	402796	2.00	2.04	
89 1-Methylnaphthalene	142	8.301	8.298	0.003	92	376112	2.00	2.06	
90 Hexachlorocyclopentadiene	237	8.344	8.344	0.000	92	29636	2.00	1.83	
91 1,2,4,5-Tetrachlorobenzene	216	8.355	8.355	0.000	97	193173	2.00	2.02	
93 2,4,6-Trichlorophenol	196	8.440	8.443	-0.003	93	105312	2.00	1.93	
94 2,4,5-Trichlorophenol	196	8.477	8.477	0.000	94	106778	2.00	1.89	
96 1,1'-Biphenyl	154	8.593	8.593	0.000	97	467758	2.00	2.03	
97 2-Chloronaphthalene	162	8.630	8.630	0.000	97	342227	2.00	1.87	
100 2-Nitroaniline	65	8.696	8.698	-0.002	87	101601	2.00	1.98	
105 Dimethyl phthalate	163	8.818	8.817	0.001	98	396234	2.00	2.02	
106 1,3-Dinitrobenzene	168	8.866	8.866	0.000	86	61407	2.00	2.06	
107 2,6-Dinitrotoluene	165	8.883	8.883	0.000	94	84918	2.00	1.94	
108 Acenaphthylene	152	8.988	8.988	0.000	98	579272	2.00	2.03	
109 3-Nitroaniline	138	9.039	9.039	0.000	96	99838	2.00	2.00	
110 Acenaphthene	153	9.130	9.130	0.000	97	361463	2.00	1.91	
111 2,4-Dinitrophenol	184	9.127	9.130	-0.003	81	34589	4.00	3.62	
112 4-Nitrophenol	109	9.155	9.158	-0.003	92	79394	4.00	3.70	
114 2,4-Dinitrotoluene	165	9.229	9.232	-0.003	93	109716	2.00	1.93	
115 Dibenzofuran	168	9.272	9.274	-0.002	97	531142	2.00	2.04	
118 2,3,4,6-Tetrachlorophenol	232	9.368	9.371	-0.003	72	67602	2.00	1.91	
121 Hexadecane	57	9.394	9.396	-0.002	94	250105	2.00	1.96	
120 Diethyl phthalate	149	9.402	9.402	0.000	98	383726	2.00	1.92	
123 4-Chlorophenyl phenyl ether	204	9.533	9.533	0.001	93	200188	2.00	1.97	
126 4-Nitroaniline	138	9.555	9.555	0.000	88	101555	2.00	2.00	
124 Fluorene	166	9.564	9.564	0.000	93	408232	2.00	2.01	
127 4,6-Dinitro-2-methylphenol	198	9.581	9.584	-0.003	88	79704	4.00	3.90	
129 Diphenylamine	169	9.629	9.629	0.000	95	299691	1.71	1.82	
130 N-Nitrosodiphenylamine	169	9.629	9.629	0.000	64	299691	2.00	2.12	
131 1,2-Diphenylhydrazine	77	9.669	9.672	-0.003	41	424926	2.00	2.08	
132 Azobenzene	77	9.669	9.672	-0.003	99	424926	2.00	2.08	
139 4-Bromophenyl phenyl ether	248	9.950	9.950	0.000	67	123295	2.00	2.09	
140 Hexachlorobenzene	284	10.041	10.040	0.001	95	133431	2.00	1.93	
143 Atrazine	200	10.046	10.046	0.000	91	215969	4.00	4.09	
148 n-Octadecane	57	10.165	10.165	0.000	93	250649	2.00	2.01	
145 Pentachlorophenol	266	10.194	10.194	0.000	93	56862	4.00	3.74	
151 Phenanthrene	178	10.387	10.387	0.000	98	573458	2.00	2.02	
152 Anthracene	178	10.429	10.432	-0.003	97	572339	2.00	2.08	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
153 Carbazole	167	10.546	10.548	-0.002	96	515425	2.00	2.07	
157 Di-n-butyl phthalate	149	10.767	10.767	0.000	100	662231	2.00	2.05	
164 Fluoranthene	202	11.428	11.431	-0.003	99	603130	2.00	2.08	
166 Benzidine	184	11.508	11.510	-0.002	100	680615	4.00	4.24	
167 Pyrene	202	11.664	11.666	-0.002	96	627917	2.00	2.07	
174 Butyl benzyl phthalate	149	12.245	12.248	-0.003	98	273941	2.00	1.94	
181 Bis(2-ethylhexyl) phthalate	149	12.949	12.952	-0.003	96	396740	2.00	1.98	
179 3,3'-Dichlorobenzidine	252	12.986	12.992	-0.006	74	497232	4.00	4.00	
180 Benzo[a]anthracene	228	13.080	13.085	-0.005	98	593530	2.00	2.00	
182 Chrysene	228	13.134	13.139	-0.005	97	582029	2.00	2.03	
184 Di-n-octyl phthalate	149	13.905	13.905	0.000	99	667312	2.00	1.95	
186 Benzo[b]fluoranthene	252	14.723	14.734	-0.011	98	607505	2.00	1.99	
187 Benzo[k]fluoranthene	252	14.765	14.776	-0.011	98	619738	2.00	1.98	
189 Benzo[a]pyrene	252	15.270	15.281	-0.011	80	595678	2.00	1.99	
194 Dibenz(a,h)anthracene	278	17.231	17.254	-0.023	89	599760	2.00	1.98	
193 Indeno[1,2,3-cd]pyrene	276	17.248	17.273	-0.025	94	707597	2.00	1.98	
195 Benzo[g,h,i]perylene	276	17.813	17.844	-0.031	96	590447	2.00	1.98	
S 261 Total Cresols	1				0			3.93	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MB_L1LVI_WRK_00511	Amount Added: 1.00	Units: mL	
MB_LLIS_WRK_00223	Amount Added: 20.00	Units: uL	Run Reagent

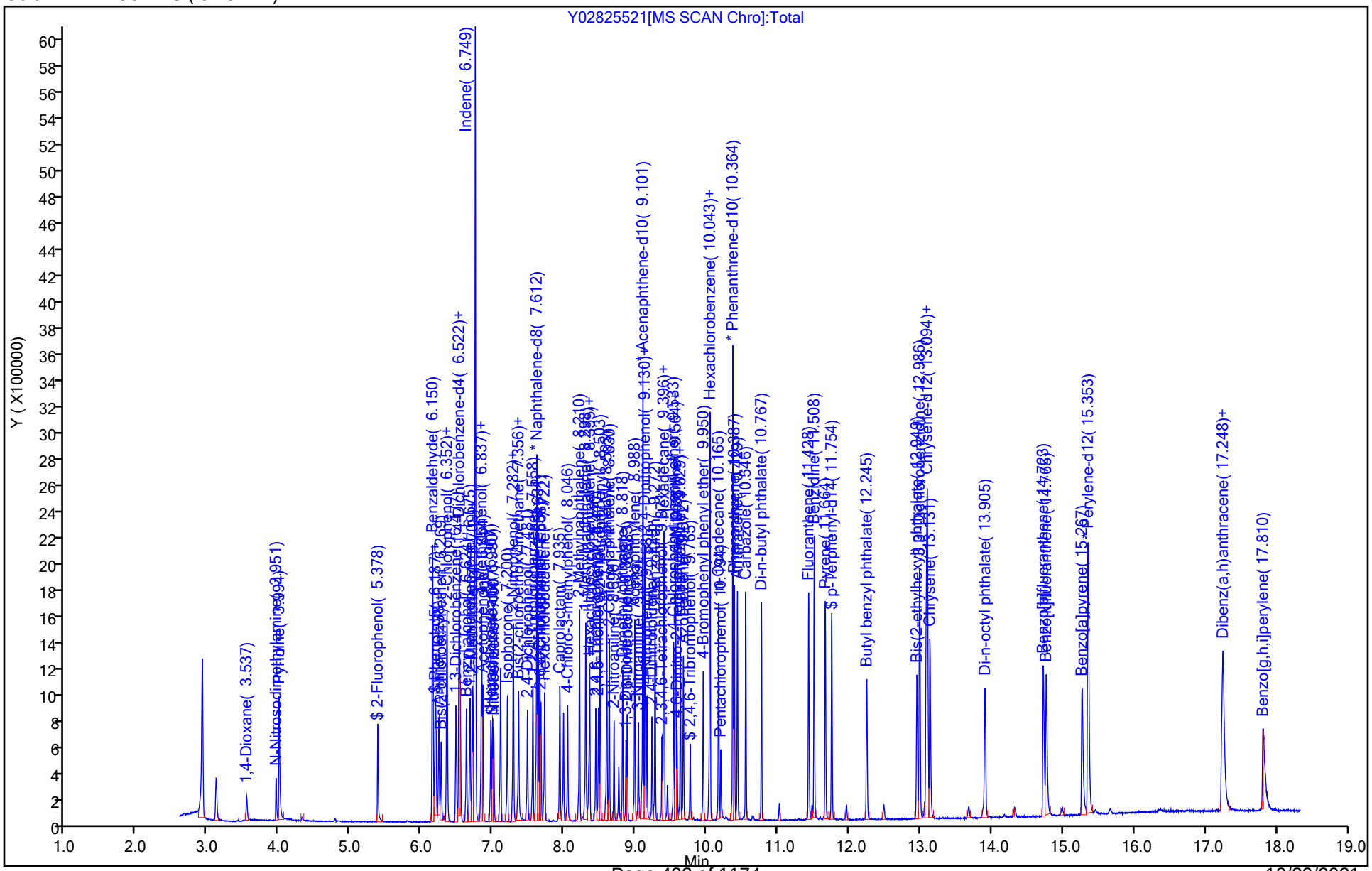
Report Date: 08-Oct-2021 11:19:46 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825521.D

Injection Date:	07-Oct-2021 13:19:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	IC - List 1 - 2			Worklist Smp#:	6
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

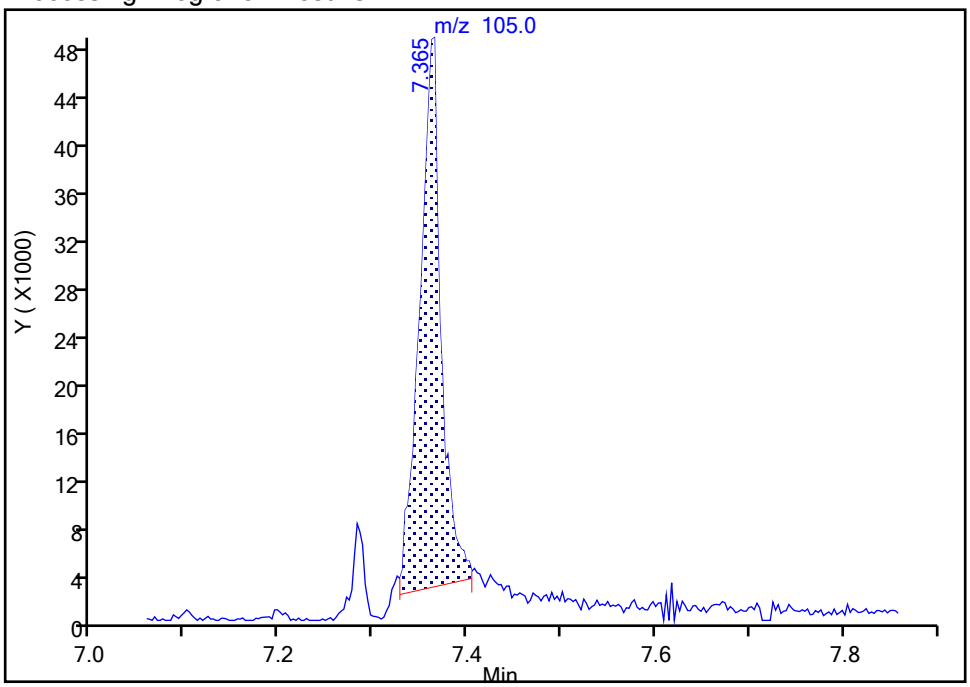
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825521.D
Injection Date: 07-Oct-2021 13:19:30 Instrument ID: HP5973Y
Lims ID: IC - List 1 - 2
Client ID:
Operator ID: JM ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

70 Benzoic acid, CAS: 65-85-0

Signal: 1

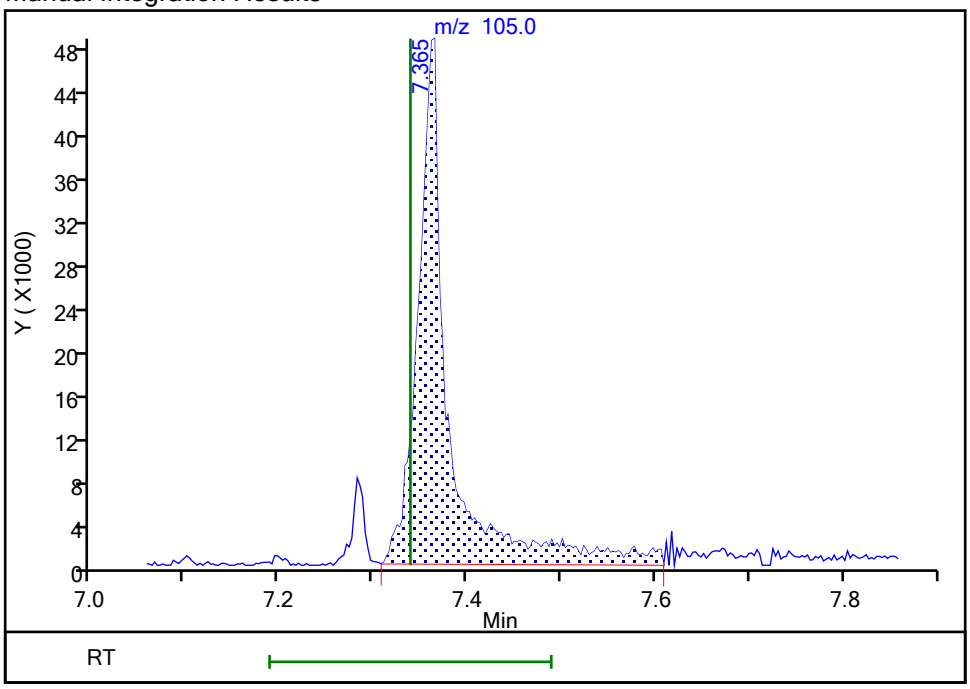
Processing Integration Results

RT: 7.36
Area: 72155
Amount: 11.602832
Amount Units: ng/uL



Manual Integration Results

RT: 7.36
Area: 109311
Amount: 11.781787
Amount Units: ng/uL



Reviewer: schickr, 08-Oct-2021 11:04:14
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825522.D
Lims ID: ICIS - List 1 - 4
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 07-Oct-2021 13:47:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 480-0101480-007
Operator ID: JM Instrument ID: HP5973Y
Sublist: chrom-Y-LVI-8270*sub36

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 08-Oct-2021 11:19:53 Calib Date: 07-Oct-2021 15:08:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825525.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1612

First Level Reviewer: marshallj Date: 08-Oct-2021 09:14:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.524	6.524	0.000	95	310093	4.00	4.00	
* 2 Naphthalene-d8	136	7.614	7.614	0.000	99	1148483	4.00	4.00	
* 3 Acenaphthene-d10	164	9.101	9.101	0.000	94	643571	4.00	4.00	
* 4 Phenanthrene-d10	188	10.367	10.367	0.000	95	1087023	4.00	4.00	
* 5 Chrysene-d12	240	13.096	13.096	0.000	97	976849	4.00	4.00	
* 6 Perylene-d12	264	15.352	15.352	0.000	96	1056166	4.00	4.00	
$ 7 2-Fluorophenol	112	5.378	5.378	0.000	93	359322	4.00	3.93	
$ 8 Phenol-d5	99	6.184	6.184	0.000	0	468016	4.00	4.01	
$ 9 Nitrobenzene-d5	82	6.990	6.990	0.000	89	471123	4.00	4.06	
$ 10 2-Fluorobiphenyl	172	8.502	8.502	0.000	99	852013	4.00	4.13	
$ 11 2,4,6-Tribromophenol	330	9.768	9.768	0.000	95	120702	4.00	3.83	
$ 12 p-Terphenyl-d14	244	11.754	11.754	0.000	96	968946	4.00	3.98	
13 1,4-Dioxane	88	3.534	3.534	0.000	94	151484	4.00	4.01	
14 N-Nitrosodimethylamine	42	3.948	3.948	0.000	91	206471	4.00	4.11	
15 Pyridine	52	3.988	3.988	0.000	94	472683	8.00	8.22	
35 Benzaldehyde	77	6.147	6.147	0.000	95	599457	8.00	8.13	
37 Phenol	94	6.195	6.195	0.000	98	498596	4.00	4.02	
36 Aniline	93	6.238	6.238	0.000	97	569304	4.00	4.01	
39 Bis(2-chloroethyl)ether	93	6.269	6.269	0.000	92	394957	4.00	4.10	
40 2-Chlorophenol	128	6.349	6.349	0.000	97	399053	4.00	4.06	
41 n-Decane	57	6.354	6.354	0.000	94	425944	4.00	3.99	
43 1,3-Dichlorobenzene	146	6.479	6.479	0.000	98	459670	4.00	4.04	
44 1,4-Dichlorobenzene	146	6.539	6.539	0.000	94	457110	4.00	3.95	
45 Benzyl alcohol	108	6.624	6.624	0.000	92	256107	4.00	4.08	
46 1,2-Dichlorobenzene	146	6.675	6.675	0.000	96	431710	4.00	4.01	
48 2-Methylphenol	108	6.712	6.712	0.000	95	368034	4.00	4.03	
49 2,2'-oxybis[1-chloropropane]	45	6.729	6.729	0.000	93	572690	4.00	3.99	
47 Indene	115	6.751	6.751	0.000	90	3600760	20.0	20.9	
57 4-Methylphenol	108	6.837	6.837	0.000	96	378241	4.00	3.97	
53 N-Nitrosodi-n-propylamine	70	6.839	6.839	0.000	90	279706	4.00	4.06	
52 Acetophenone	105	6.854	6.854	0.000	97	532612	4.00	4.02	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
58 Hexachloroethane	117	6.967	6.967	0.000	97	183944	4.00	4.04	
59 Nitrobenzene	77	7.007	7.007	0.000	87	419259	4.00	3.98	
62 Isophorone	82	7.200	7.200	0.000	99	742996	4.00	4.03	
64 2-Nitrophenol	139	7.279	7.279	0.000	94	197951	4.00	3.83	
66 2,4-Dimethylphenol	107	7.285	7.285	0.000	94	394989	4.00	3.95	
70 Benzoic acid	105	7.384	7.384	0.000	88	377775	20.0	17.1	M
69 Bis(2-chloroethoxy)methane	93	7.356	7.356	0.000	98	446520	4.00	3.99	
72 2,4-Dichlorophenol	162	7.481	7.481	0.000	95	321436	4.00	4.02	
73 1,2,4-Trichlorobenzene	180	7.557	7.557	0.000	94	346133	4.00	3.89	
74 Naphthalene	128	7.631	7.631	0.000	98	1170962	4.00	3.96	
76 4-Chloroaniline	127	7.657	7.657	0.000	97	469765	4.00	4.16	
77 2,6-Dichlorophenol	162	7.671	7.671	0.000	96	320373	4.00	4.03	
79 Hexachlorobutadiene	225	7.722	7.722	0.000	96	209816	4.00	3.92	
84 Caprolactam	113	7.949	7.949	0.000	78	213361	8.00	7.81	
85 4-Chloro-3-methylphenol	107	8.045	8.045	0.000	95	311621	4.00	3.95	
87 2-Methylnaphthalene	142	8.213	8.213	0.000	92	808857	4.00	4.07	
89 1-Methylnaphthalene	142	8.301	8.301	0.000	94	755976	4.00	4.11	
90 Hexachlorocyclopentadiene	237	8.343	8.343	0.000	93	81365	4.00	3.36	
91 1,2,4,5-Tetrachlorobenzene	216	8.355	8.355	0.000	97	370972	4.00	3.97	
93 2,4,6-Trichlorophenol	196	8.440	8.440	0.000	93	210852	4.00	3.83	
94 2,4,5-Trichlorophenol	196	8.480	8.480	0.000	95	224344	4.00	3.97	
96 1,1'-Biphenyl	154	8.593	8.593	0.000	97	932247	4.00	4.13	
97 2-Chloronaphthalene	162	8.630	8.630	0.000	97	726871	4.00	4.06	
100 2-Nitroaniline	65	8.695	8.695	0.000	85	209389	4.00	4.08	
105 Dimethyl phthalate	163	8.820	8.820	0.000	98	756345	4.00	3.94	
106 1,3-Dinitrobenzene	168	8.865	8.865	0.000	85	122270	4.00	3.96	
107 2,6-Dinitrotoluene	165	8.883	8.883	0.000	94	176360	4.00	4.02	
108 Acenaphthylene	152	8.988	8.988	0.000	98	1159769	4.00	4.15	
109 3-Nitroaniline	138	9.039	9.039	0.000	96	194175	4.00	3.94	
110 Acenaphthene	153	9.129	9.129	0.000	98	766240	4.00	4.13	
111 2,4-Dinitrophenol	184	9.127	9.127	0.000	86	111199	8.00	6.87	
112 4-Nitrophenol	109	9.158	9.158	0.000	93	171833	8.00	7.67	
114 2,4-Dinitrotoluene	165	9.232	9.232	0.000	93	229079	4.00	4.00	
115 Dibenzofuran	168	9.271	9.271	0.000	96	1020494	4.00	4.01	
118 2,3,4,6-Tetrachlorophenol	232	9.371	9.371	0.000	73	155645	4.00	3.79	
121 Hexadecane	57	9.396	9.396	0.000	95	504096	4.00	4.04	
120 Diethyl phthalate	149	9.405	9.405	0.000	98	819790	4.00	4.19	
123 4-Chlorophenyl phenyl ether	204	9.532	9.532	0.000	92	392904	4.00	3.96	
126 4-Nitroaniline	138	9.558	9.558	0.000	86	204330	4.00	4.03	
124 Fluorene	166	9.564	9.564	0.000	92	811111	4.00	4.08	
127 4,6-Dinitro-2-methylphenol	198	9.583	9.583	0.000	85	196774	8.00	7.71	
129 Diphenylamine	169	9.632	9.632	0.000	93	587885	3.42	3.50	
130 N-Nitrosodiphenylamine	169	9.632	9.632	0.000	65	587885	4.00	4.10	
131 1,2-Diphenylhydrazine	77	9.671	9.671	0.000	41	849425	4.00	4.08	
132 Azobenzene	77	9.671	9.671	0.000	99	849425	4.00	4.08	
139 4-Bromophenyl phenyl ether	248	9.949	9.949	0.000	67	236061	4.00	3.92	
140 Hexachlorobenzene	284	10.040	10.040	0.000	95	272959	4.00	3.84	
143 Atrazine	200	10.049	10.049	0.000	91	426690	8.00	8.26	
148 n-Octadecane	57	10.165	10.165	0.000	94	500098	4.00	3.95	
145 Pentachlorophenol	266	10.196	10.196	0.000	94	172939	8.00	7.26	
151 Phenanthrene	178	10.386	10.386	0.000	98	1147913	4.00	3.97	
152 Anthracene	178	10.429	10.429	0.000	97	1151732	4.00	4.11	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
153 Carbazole	167	10.545	10.545	0.000	96	1007771	4.00	3.97	
157 Di-n-butyl phthalate	149	10.767	10.767	0.000	100	1358118	4.00	4.13	
164 Fluoranthene	202	11.428	11.428	0.000	99	1201640	4.00	4.07	
166 Benzidine	184	11.510	11.510	0.000	99	1380401	8.00	8.60	
167 Pyrene	202	11.663	11.663	0.000	95	1247646	4.00	4.12	
174 Butyl benzyl phthalate	149	12.245	12.245	0.000	98	571683	4.00	3.95	
181 Bis(2-ethylhexyl) phthalate	149	12.952	12.952	0.000	97	812498	4.00	3.92	
179 3,3'-Dichlorobenzidine	252	12.991	12.991	0.000	74	1000714	8.00	7.97	
180 Benzo[a]anthracene	228	13.082	13.082	0.000	98	1185002	4.00	4.01	
182 Chrysene	228	13.136	13.136	0.000	97	1150549	4.00	4.01	
184 Di-n-octyl phthalate	149	13.908	13.908	0.000	99	1412285	4.00	3.96	
186 Benzo[b]fluoranthene	252	14.725	14.725	0.000	98	1237648	4.00	4.02	
187 Benzo[k]fluoranthene	252	14.768	14.768	0.000	98	1303374	4.00	4.13	
189 Benzo[a]pyrene	252	15.267	15.267	0.000	79	1235133	4.00	4.07	
194 Dibenz(a,h)anthracene	278	17.231	17.231	0.000	91	1251297	4.00	4.05	
193 Indeno[1,2,3-cd]pyrene	276	17.242	17.242	0.000	96	1468652	4.00	4.02	
195 Benzo[g,h,i]perylene	276	17.801	17.801	0.000	94	1180899	4.00	3.92	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MB_L1LVI_WRK_00512	Amount Added: 1.00	Units: mL	
MB_LLIS_WRK_00223	Amount Added: 20.00	Units: uL	Run Reagent

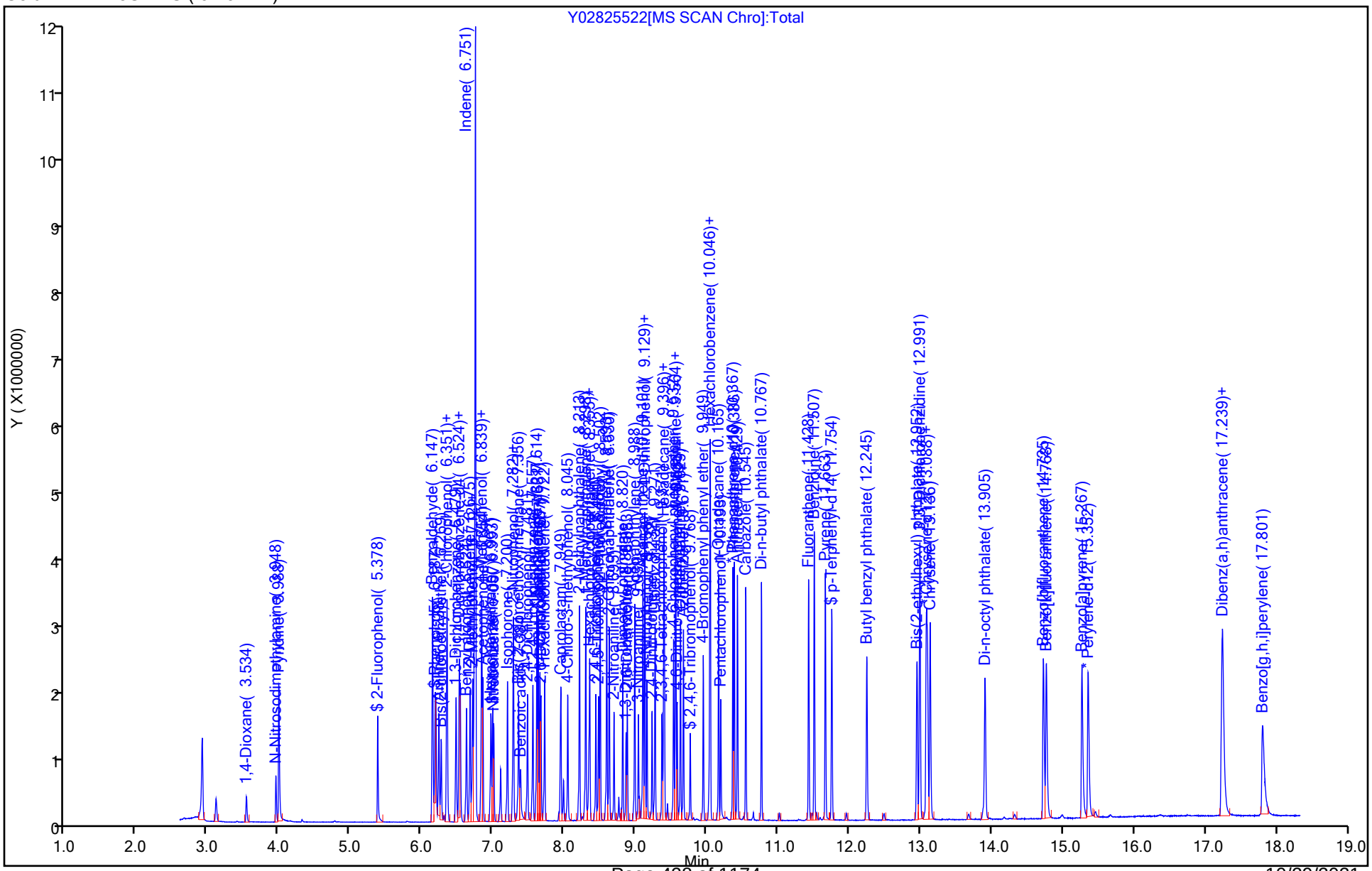
Report Date: 08-Oct-2021 11:19:54 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825522.D

Injection Date:	07-Oct-2021 13:47:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	ICIS - List 1 - 4			Worklist Smp#:	7
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo

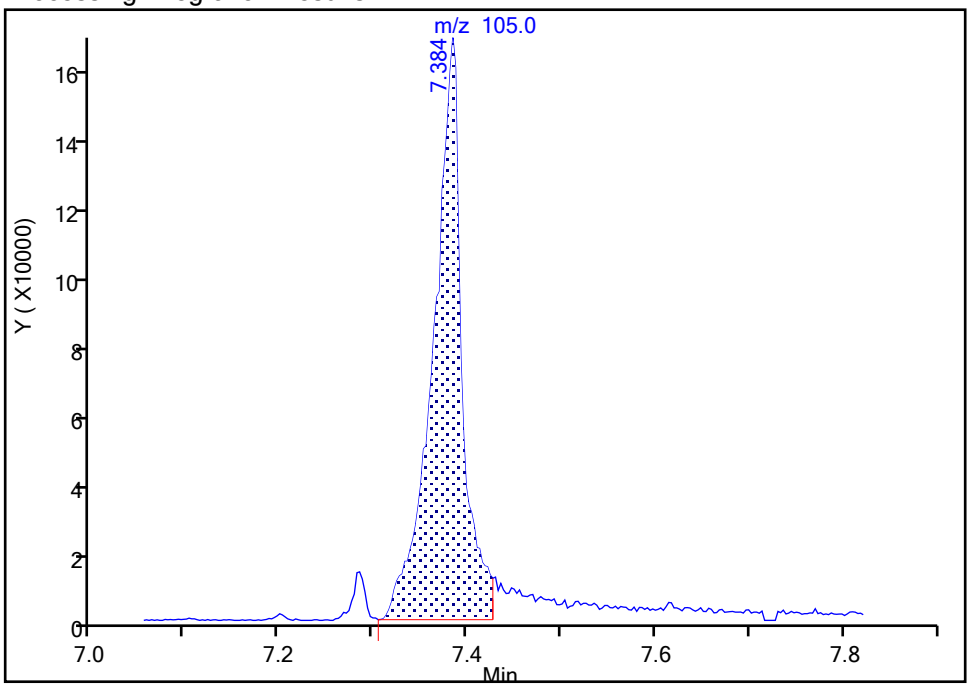
Data File:	\\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825522.D				
Injection Date:	07-Oct-2021 13:47:30	Instrument ID:	HP5973Y		
Lims ID:	ICIS - List 1 - 4				
Client ID:					
Operator ID:	JM	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

70 Benzoic acid, CAS: 65-85-0

Signal: 1

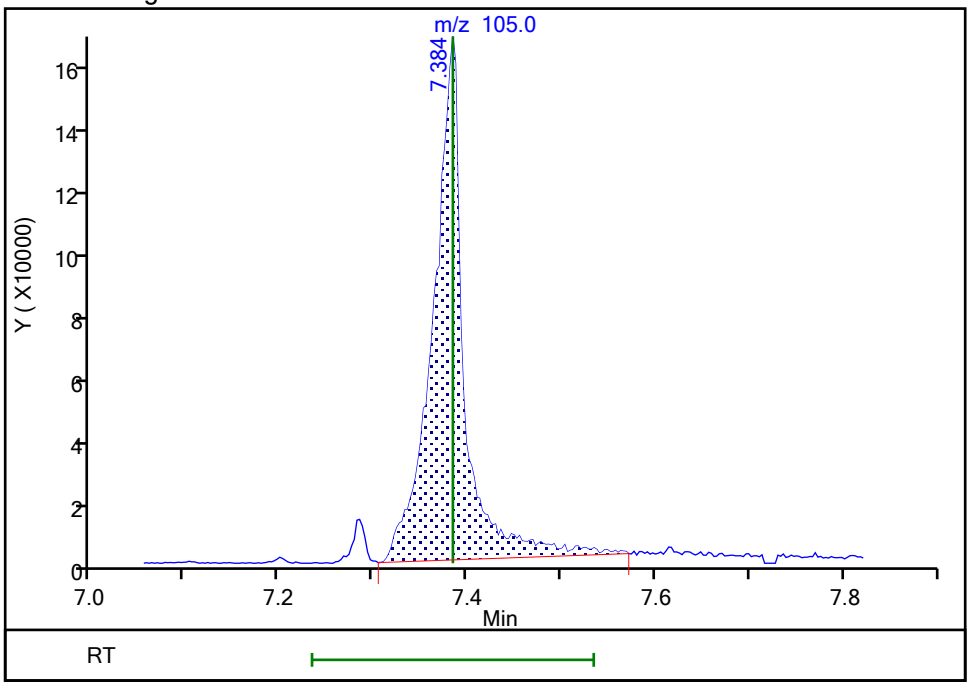
Processing Integration Results

RT: 7.38
Area: 352990
Amount: 17.488906
Amount Units: ng/uL



Manual Integration Results

RT: 7.38
Area: 377775
Amount: 17.084785
Amount Units: ng/uL



Reviewer: schickr, 08-Oct-2021 11:03:25
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825523.D
Lims ID: IC - List 1 - 8
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 07-Oct-2021 14:14:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 480-0101480-008
Operator ID: JM Instrument ID: HP5973Y
Sublist: chrom-Y-LVI-8270*sub36

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 08-Oct-2021 11:20:01 Calib Date: 07-Oct-2021 15:08:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825525.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1612

First Level Reviewer: marshallj Date: 08-Oct-2021 10:18:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.524	6.524	0.000	95	306498	4.00	4.00	
* 2 Naphthalene-d8	136	7.614	7.614	0.000	99	1137926	4.00	4.00	
* 3 Acenaphthene-d10	164	9.104	9.101	0.003	96	636833	4.00	4.00	
* 4 Phenanthrene-d10	188	10.366	10.367	-0.001	95	1078271	4.00	4.00	
* 5 Chrysene-d12	240	13.102	13.096	0.006	99	958849	4.00	4.00	
* 6 Perylene-d12	264	15.355	15.352	0.003	96	1045573	4.00	4.00	
$ 7 2-Fluorophenol	112	5.378	5.378	0.000	92	749499	8.00	8.23	
$ 8 Phenol-d5	99	6.187	6.184	0.003	0	922377	8.00	7.99	
$ 9 Nitrobenzene-d5	82	6.992	6.990	0.002	88	953059	8.00	8.23	
$ 10 2-Fluorobiphenyl	172	8.505	8.502	0.003	99	1638150	8.00	8.03	
$ 11 2,4,6-Tribromophenol	330	9.770	9.768	0.002	94	246578	8.00	7.72	
$ 12 p-Terphenyl-d14	244	11.757	11.754	0.003	98	1903193	8.00	7.96	
13 1,4-Dioxane	88	3.531	3.534	-0.003	96	297143	8.00	8.03	
14 N-Nitrosodimethylamine	42	3.948	3.948	0.000	92	391988	8.00	7.90	
15 Pyridine	52	3.985	3.988	-0.003	94	934479	16.0	16.4	
35 Benzaldehyde	77	6.150	6.147	0.003	94	1176002	16.0	16.3	
37 Phenol	94	6.198	6.195	0.003	98	992486	8.00	8.10	
36 Aniline	93	6.238	6.238	0.000	96	1112235	8.00	7.93	
39 Bis(2-chloroethyl)ether	93	6.272	6.269	0.003	94	744064	8.00	7.81	
40 2-Chlorophenol	128	6.351	6.349	0.002	96	785453	8.00	8.08	
41 n-Decane	57	6.354	6.354	0.000	92	847651	8.00	8.04	
43 1,3-Dichlorobenzene	146	6.479	6.479	0.000	98	891389	8.00	7.92	
44 1,4-Dichlorobenzene	146	6.538	6.539	-0.001	93	902780	8.00	7.89	
45 Benzyl alcohol	108	6.629	6.624	0.005	92	501703	8.00	8.09	
46 1,2-Dichlorobenzene	146	6.675	6.675	0.000	96	846977	8.00	7.97	
48 2-Methylphenol	108	6.712	6.712	0.000	95	727119	8.00	8.05	
49 2,2'-oxybis[1-chloropropane]	45	6.729	6.729	0.000	91	1122039	8.00	7.91	
47 Indene	115	6.754	6.751	0.003	90	6623700	40.0	39.3	
57 4-Methylphenol	108	6.836	6.837	-0.001	96	759578	8.00	8.07	
53 N-Nitrosodi-n-propylamine	70	6.842	6.839	0.003	89	572421	8.00	8.40	
52 Acetophenone	105	6.856	6.854	0.002	95	1056362	8.00	8.07	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
58 Hexachloroethane	117	6.967	6.967	0.000	97	364079	8.00	8.08	
59 Nitrobenzene	77	7.009	7.007	0.002	88	827677	8.00	7.93	
62 Isophorone	82	7.202	7.200	0.002	99	1482794	8.00	8.11	
64 2-Nitrophenol	139	7.279	7.279	0.000	95	414645	8.00	7.97	
66 2,4-Dimethylphenol	107	7.288	7.285	0.003	93	783381	8.00	7.91	
69 Bis(2-chloroethoxy)methane	93	7.359	7.356	0.002	95	871954	8.00	7.87	
70 Benzoic acid	105	7.415	7.384	0.031	88	1338762	40.0	36.4	M
72 2,4-Dichlorophenol	162	7.483	7.481	0.002	94	643902	8.00	8.12	
73 1,2,4-Trichlorobenzene	180	7.557	7.557	0.000	93	695840	8.00	7.90	
74 Naphthalene	128	7.634	7.631	0.003	98	2261557	8.00	7.73	
76 4-Chloroaniline	127	7.656	7.657	-0.001	98	870523	8.00	7.78	
77 2,6-Dichlorophenol	162	7.673	7.671	0.002	97	638346	8.00	8.10	
79 Hexachlorobutadiene	225	7.722	7.722	0.000	98	415518	8.00	7.84	
84 Caprolactam	113	7.969	7.949	0.020	77	434262	16.0	15.9	
85 4-Chloro-3-methylphenol	107	8.051	8.045	0.006	96	633115	8.00	8.11	
87 2-Methylnaphthalene	142	8.213	8.213	0.000	91	1539311	8.00	7.82	
89 1-Methylnaphthalene	142	8.301	8.301	0.000	92	1430581	8.00	7.84	
90 Hexachlorocyclopentadiene	237	8.343	8.343	0.000	94	213382	8.00	7.29	
91 1,2,4,5-Tetrachlorobenzene	216	8.357	8.355	0.002	98	725130	8.00	7.84	
93 2,4,6-Trichlorophenol	196	8.442	8.440	0.002	93	451025	8.00	8.16	
94 2,4,5-Trichlorophenol	196	8.479	8.480	-0.001	95	456022	8.00	8.06	
96 1,1'-Biphenyl	154	8.596	8.593	0.003	98	1790642	8.00	8.01	
97 2-Chloronaphthalene	162	8.630	8.630	0.000	97	1406708	8.00	7.94	
100 2-Nitroaniline	65	8.698	8.695	0.003	85	420443	8.00	8.20	
105 Dimethyl phthalate	163	8.823	8.820	0.003	99	1539487	8.00	8.11	
106 1,3-Dinitrobenzene	168	8.868	8.865	0.003	84	248298	8.00	7.97	
107 2,6-Dinitrotoluene	165	8.885	8.883	0.002	94	353288	8.00	8.04	
108 Acenaphthylene	152	8.987	8.988	-0.001	98	2277455	8.00	8.24	
109 3-Nitroaniline	138	9.041	9.039	0.002	97	393700	8.00	8.01	
111 2,4-Dinitrophenol	184	9.129	9.127	0.002	84	301559	16.0	15.0	
110 Acenaphthene	153	9.132	9.129	0.003	98	1501105	8.00	8.18	
112 4-Nitrophenol	109	9.163	9.158	0.005	92	352505	16.0	15.5	
114 2,4-Dinitrotoluene	165	9.234	9.232	0.002	93	456583	8.00	7.95	
115 Dibenzofuran	168	9.274	9.271	0.003	96	2006710	8.00	7.96	
118 2,3,4,6-Tetrachlorophenol	232	9.370	9.371	-0.001	72	356642	8.00	8.11	
121 Hexadecane	57	9.396	9.396	0.000	94	1004784	8.00	8.15	
120 Diethyl phthalate	149	9.407	9.405	0.002	98	1594230	8.00	8.23	
123 4-Chlorophenyl phenyl ether	204	9.535	9.532	0.003	93	796127	8.00	8.10	
126 4-Nitroaniline	138	9.563	9.558	0.005	87	403407	8.00	7.97	
124 Fluorene	166	9.566	9.564	0.002	92	1544359	8.00	7.84	
127 4,6-Dinitro-2-methylphenol	198	9.586	9.583	0.003	85	440499	16.0	15.8	
129 Diphenylamine	169	9.631	9.632	-0.001	98	1106340	6.84	6.64	
130 N-Nitrosodiphenylamine	169	9.631	9.632	-0.001	83	1106340	8.00	7.77	
131 1,2-Diphenylhydrazine	77	9.674	9.671	0.003	41	1664058	8.00	8.06	
132 Azobenzene	77	9.674	9.671	0.003	99	1664058	8.00	8.06	
139 4-Bromophenyl phenyl ether	248	9.952	9.949	0.003	67	472909	8.00	7.92	
140 Hexachlorobenzene	284	10.043	10.040	0.003	94	556267	8.00	7.85	
143 Atrazine	200	10.051	10.049	0.002	91	827743	16.0	16.2	
148 n-Octadecane	57	10.165	10.165	0.000	94	1012473	8.00	8.05	
145 Pentachlorophenol	266	10.196	10.196	0.000	93	438302	16.0	15.5	
151 Phenanthrene	178	10.386	10.386	0.000	99	2215353	8.00	7.72	
152 Anthracene	178	10.432	10.429	0.003	99	2192356	8.00	7.88	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
153 Carbazole	167	10.548	10.545	0.003	97	1982860	8.00	7.87	
157 Di-n-butyl phthalate	149	10.769	10.767	0.002	100	2647420	8.00	8.12	
164 Fluoranthene	202	11.430	11.428	0.002	99	2373094	8.00	8.11	
166 Benzidine	184	11.510	11.510	0.000	99	2524095	16.0	16.0	
167 Pyrene	202	11.666	11.663	0.003	95	2397000	8.00	8.07	
174 Butyl benzyl phthalate	149	12.248	12.245	0.003	98	1161548	8.00	8.06	
181 Bis(2-ethylhexyl) phthalate	149	12.954	12.952	0.002	97	1656593	8.00	8.00	
179 3,3'-Dichlorobenzidine	252	12.997	12.991	0.006	74	2015047	16.0	16.2	
180 Benzo[a]anthracene	228	13.085	13.082	0.003	99	2346156	8.00	8.09	
182 Chrysene	228	13.139	13.136	0.003	97	2244130	8.00	7.97	
184 Di-n-octyl phthalate	149	13.911	13.908	0.003	99	2862142	8.00	8.03	
186 Benzo[b]fluoranthene	252	14.725	14.725	0.000	98	2543259	8.00	8.32	
187 Benzo[k]fluoranthene	252	14.770	14.768	0.002	97	2486678	8.00	7.95	
189 Benzo[a]pyrene	252	15.267	15.267	0.000	80	2486823	8.00	8.26	
194 Dibenz(a,h)anthracene	278	17.236	17.231	0.005	88	2575358	8.00	8.38	
193 Indeno[1,2,3-cd]pyrene	276	17.242	17.242	0.000	94	2979762	8.00	8.20	
195 Benzo[g,h,i]perylene	276	17.798	17.801	-0.003	98	2485565	8.00	8.31	M
S 261 Total Cresols	1				0			16.1	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MB_L1LVI_WRK_00513	Amount Added:	1.00	Units: mL	
MB_LLIS_WRK_00223	Amount Added:	20.00	Units: uL	Run Reagent

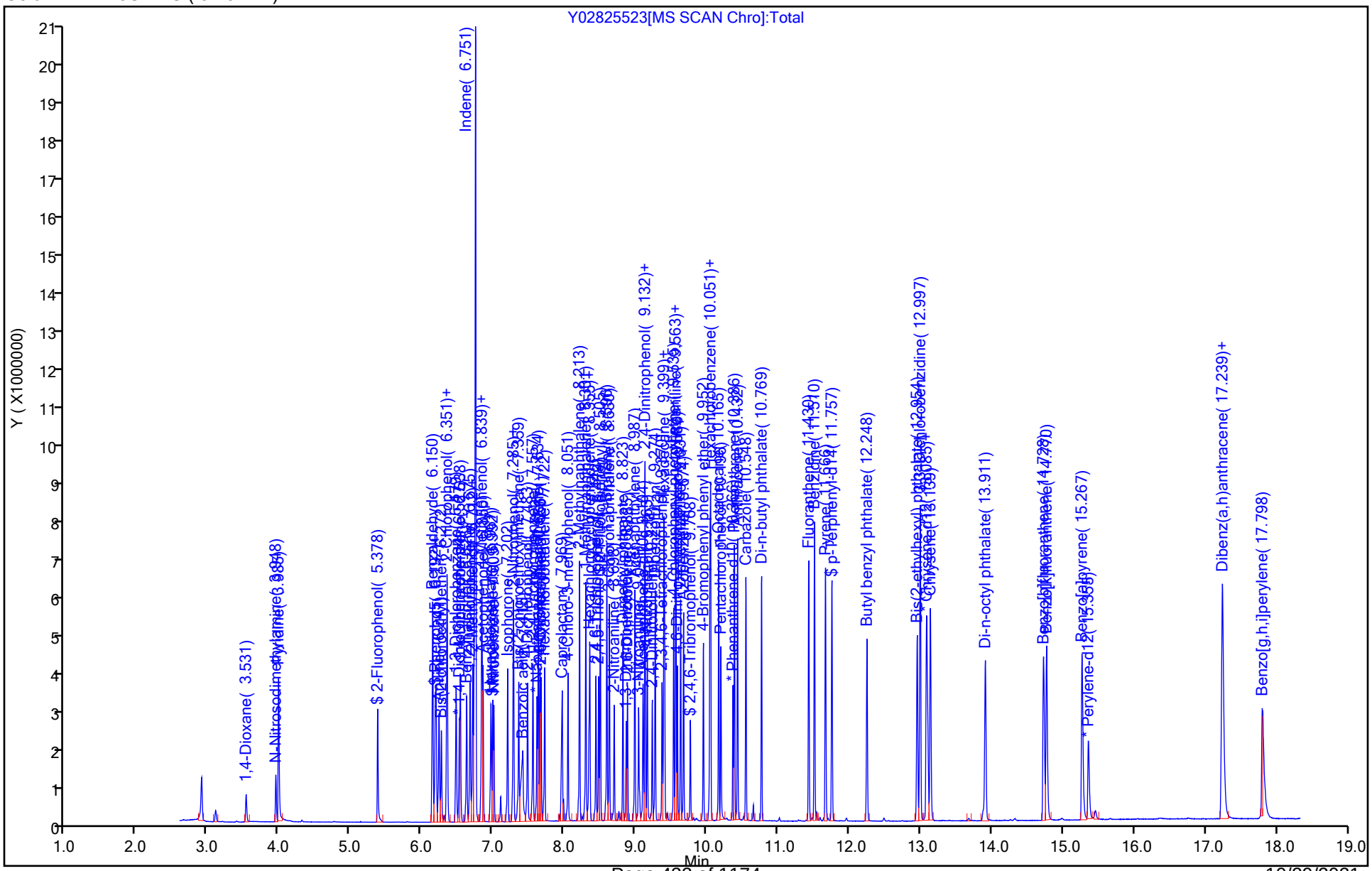
Report Date: 08-Oct-2021 11:20:01 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825523.D

Injection Date:	07-Oct-2021 14:14:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	IC - List 1 - 8			Worklist Smp#:	8
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

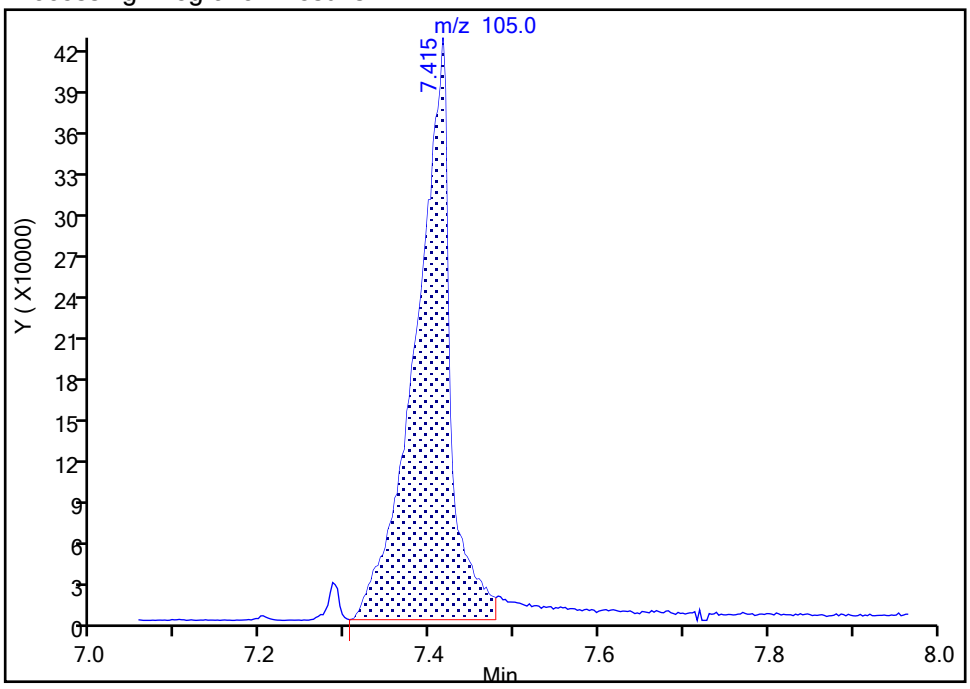
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825523.D
Injection Date: 07-Oct-2021 14:14:30 Instrument ID: HP5973Y
Lims ID: IC - List 1 - 8
Client ID:
Operator ID: JM ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

70 Benzoic acid, CAS: 65-85-0

Signal: 1

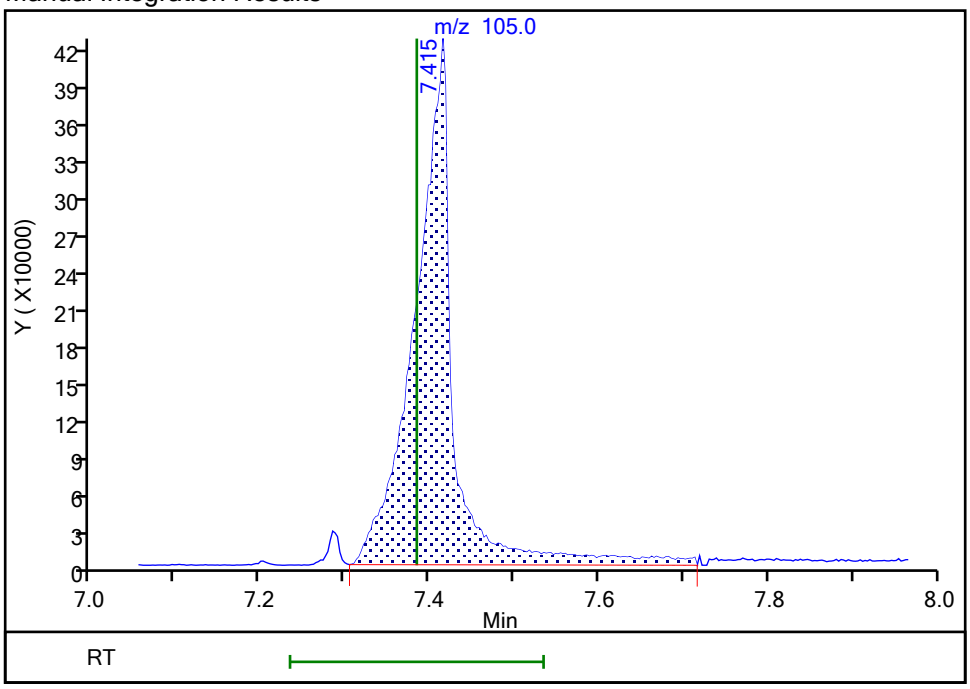
Processing Integration Results

RT: 7.42
Area: 1221262
Amount: 35.162044
Amount Units: ng/uL



Manual Integration Results

RT: 7.42
Area: 1338762
Amount: 36.363368
Amount Units: ng/uL



Reviewer: schickr, 08-Oct-2021 11:05:00
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

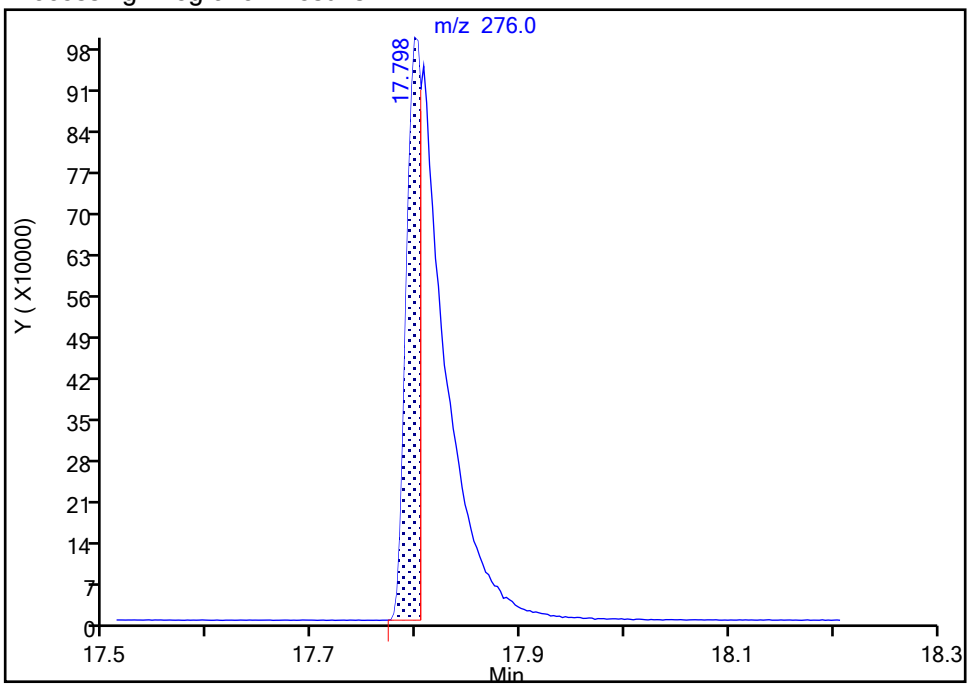
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825523.D
Injection Date: 07-Oct-2021 14:14:30 Instrument ID: HP5973Y
Lims ID: IC - List 1 - 8
Client ID:
Operator ID: JM ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

195 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

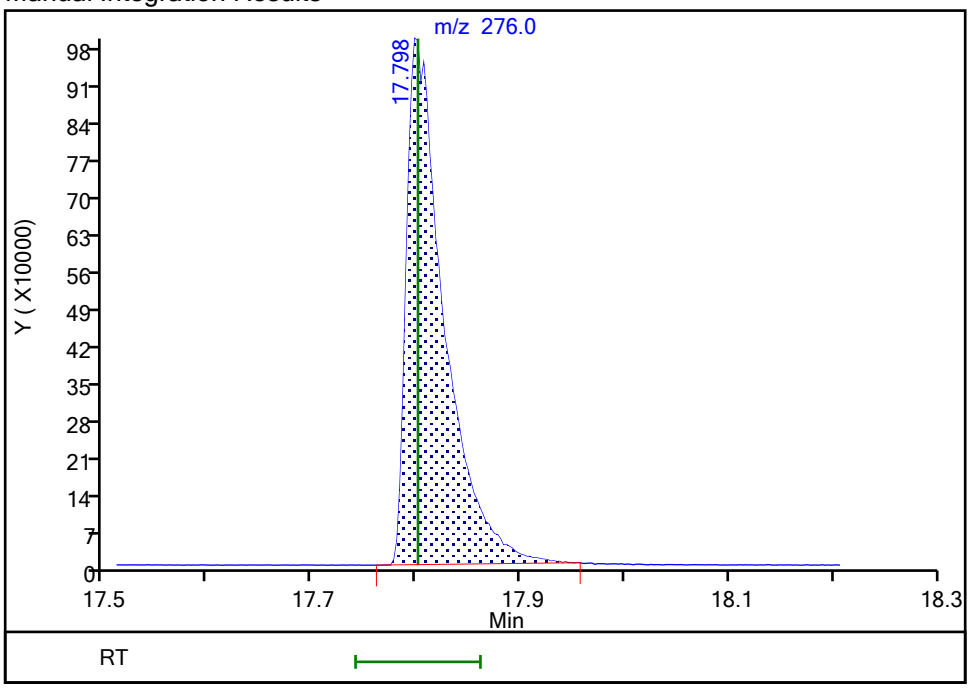
Processing Integration Results

RT: 17.80
Area: 961190
Amount: 3.585764
Amount Units: ng/uL



Manual Integration Results

RT: 17.80
Area: 2485565
Amount: 8.312511
Amount Units: ng/uL



Reviewer: marshallj, 08-Oct-2021 10:18:42
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825524.D
Lims ID: IC - List 1 - 12
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 07-Oct-2021 14:40:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 480-0101480-009
Operator ID: JM Instrument ID: HP5973Y
Sublist: chrom-Y-LVI-8270*sub36

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 08-Oct-2021 11:20:07 Calib Date: 07-Oct-2021 15:08:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825525.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1612

First Level Reviewer: marshallj Date: 08-Oct-2021 10:19:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.525	6.524	0.001	95	303244	4.00	4.00	
* 2 Naphthalene-d8	136	7.614	7.614	0.000	99	1107194	4.00	4.00	
* 3 Acenaphthene-d10	164	9.104	9.101	0.003	94	643052	4.00	4.00	
* 4 Phenanthrene-d10	188	10.367	10.367	0.000	98	1076117	4.00	4.00	
* 5 Chrysene-d12	240	13.102	13.096	0.006	96	970152	4.00	4.00	
* 6 Perylene-d12	264	15.355	15.352	0.003	97	1077913	4.00	4.00	
$ 7 2-Fluorophenol	112	5.378	5.378	0.000	93	1091231	12.0	12.1	
$ 8 Phenol-d5	99	6.187	6.184	0.003	0	1420107	12.0	12.4	
$ 9 Nitrobenzene-d5	82	6.996	6.990	0.006	89	1430970	12.0	12.7	
$ 10 2-Fluorobiphenyl	172	8.505	8.502	0.003	98	2316304	12.0	11.2	
$ 11 2,4,6-Tribromophenol	330	9.771	9.768	0.003	94	409410	12.0	12.7	
$ 12 p-Terphenyl-d14	244	11.757	11.754	0.003	96	2942918	12.0	12.2	
13 1,4-Dioxane	88	3.531	3.534	-0.003	94	439115	12.0	12.0	
14 N-Nitrosodimethylamine	42	3.951	3.948	0.003	92	586615	12.0	12.0	
15 Pyridine	52	3.988	3.988	0.000	94	1426008	24.0	25.4	
35 Benzaldehyde	77	6.150	6.147	0.003	95	1663949	24.0	23.3	
37 Phenol	94	6.201	6.195	0.006	99	1462118	12.0	12.1	
36 Aniline	93	6.241	6.238	0.003	95	1739316	12.0	12.5	
39 Bis(2-chloroethyl)ether	93	6.275	6.269	0.006	92	1063681	12.0	11.3	
40 2-Chlorophenol	128	6.349	6.349	0.000	97	1179265	12.0	12.3	
41 n-Decane	57	6.354	6.354	0.000	93	1267899	12.0	12.2	
43 1,3-Dichlorobenzene	146	6.479	6.479	0.000	98	1354078	12.0	12.2	
44 1,4-Dichlorobenzene	146	6.539	6.539	0.000	94	1347959	12.0	11.9	
45 Benzyl alcohol	108	6.630	6.624	0.006	92	767192	12.0	12.5	
46 1,2-Dichlorobenzene	146	6.678	6.675	0.003	96	1262537	12.0	12.0	
48 2-Methylphenol	108	6.715	6.712	0.003	95	1086443	12.0	12.2	
49 2,2'-oxybis[1-chloropropane]	45	6.732	6.729	0.003	94	1707021	12.0	12.2	
47 Indene	115	6.754	6.751	0.003	91	9273321	60.0	55.7	
57 4-Methylphenol	108	6.840	6.837	0.003	96	1126646	12.0	12.1	
53 N-Nitrosodi-n-propylamine	70	6.845	6.839	0.006	89	781537	12.0	11.6	
52 Acetophenone	105	6.859	6.854	0.005	95	1577140	12.0	12.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
58 Hexachloroethane	117	6.970	6.967	0.003	96	544124	12.0	12.2	
59 Nitrobenzene	77	7.013	7.007	0.006	87	1273638	12.0	12.5	
62 Isophorone	82	7.206	7.200	0.006	100	2220687	12.0	12.5	
64 2-Nitrophenol	139	7.279	7.279	0.000	94	632901	12.0	12.4	
66 2,4-Dimethylphenol	107	7.288	7.285	0.003	95	1199681	12.0	12.5	
69 Bis(2-chloroethoxy)methane	93	7.359	7.356	0.003	96	1324569	12.0	12.3	
70 Benzoic acid	105	7.438	7.384	0.054	91	2439976	60.0	59.7	M
72 2,4-Dichlorophenol	162	7.484	7.481	0.003	94	981284	12.0	12.7	
73 1,2,4-Trichlorobenzene	180	7.560	7.557	0.003	94	1042650	12.0	12.2	
74 Naphthalene	128	7.634	7.631	0.003	99	3334988	12.0	11.7	
76 4-Chloroaniline	127	7.660	7.657	0.003	97	1236233	12.0	11.4	
77 2,6-Dichlorophenol	162	7.674	7.671	0.003	97	959776	12.0	12.5	
79 Hexachlorobutadiene	225	7.725	7.722	0.003	97	651272	12.0	12.6	
84 Caprolactam	113	7.983	7.949	0.034	79	670470	24.0	25.1	
85 4-Chloro-3-methylphenol	107	8.054	8.045	0.009	96	961937	12.0	12.7	
87 2-Methylnaphthalene	142	8.213	8.213	0.000	91	2297081	12.0	12.0	
89 1-Methylnaphthalene	142	8.301	8.301	0.000	93	2099133	12.0	11.8	
90 Hexachlorocyclopentadiene	237	8.346	8.343	0.003	93	378979	12.0	12.1	
91 1,2,4,5-Tetrachlorobenzene	216	8.358	8.355	0.003	98	1126437	12.0	12.1	
93 2,4,6-Trichlorophenol	196	8.443	8.440	0.003	93	669281	12.0	11.9	
94 2,4,5-Trichlorophenol	196	8.483	8.480	0.002	95	696824	12.0	12.1	
96 1,1'-Biphenyl	154	8.596	8.593	0.003	98	2547948	12.0	11.3	
97 2-Chloronaphthalene	162	8.633	8.630	0.003	97	2127960	12.0	11.9	
100 2-Nitroaniline	65	8.701	8.695	0.006	85	600457	12.0	11.6	
105 Dimethyl phthalate	163	8.826	8.820	0.006	98	2256273	12.0	11.8	
106 1,3-Dinitrobenzene	168	8.871	8.865	0.006	87	375700	12.0	12.3	
107 2,6-Dinitrotoluene	165	8.888	8.883	0.005	95	530594	12.0	11.9	
108 Acenaphthylene	152	8.990	8.988	0.002	98	3240929	12.0	11.6	
109 3-Nitroaniline	138	9.044	9.039	0.005	95	576875	12.0	11.6	
111 2,4-Dinitrophenol	184	9.132	9.127	0.005	81	529703	24.0	24.4	
110 Acenaphthene	153	9.132	9.129	0.003	96	2207542	12.0	11.9	
112 4-Nitrophenol	109	9.169	9.158	0.011	94	587044	24.0	25.2	
114 2,4-Dinitrotoluene	165	9.237	9.232	0.005	93	689924	12.0	11.8	
115 Dibenzofuran	168	9.277	9.271	0.006	97	2967459	12.0	11.7	
118 2,3,4,6-Tetrachlorophenol	232	9.374	9.371	0.003	73	557386	12.0	12.3	
121 Hexadecane	57	9.396	9.396	0.000	94	1542008	12.0	12.4	
120 Diethyl phthalate	149	9.408	9.405	0.003	98	2273469	12.0	11.6	
123 4-Chlorophenyl phenyl ether	204	9.535	9.532	0.003	92	1198561	12.0	12.1	
126 4-Nitroaniline	138	9.566	9.558	0.008	71	615800	12.0	12.0	
124 Fluorene	166	9.566	9.564	0.002	91	2299247	12.0	11.6	
127 4,6-Dinitro-2-methylphenol	198	9.589	9.583	0.006	84	685334	24.0	24.0	
129 Diphenylamine	169	9.635	9.632	0.003	96	1650412	10.3	9.93	
130 N-Nitrosodiphenylamine	169	9.635	9.632	0.003	71	1650412	12.0	11.6	
131 1,2-Diphenylhydrazine	77	9.674	9.671	0.003	41	2446352	12.0	11.9	
132 Azobenzene	77	9.674	9.671	0.003	99	2446352	12.0	11.9	
139 4-Bromophenyl phenyl ether	248	9.952	9.949	0.003	66	740993	12.0	12.4	
140 Hexachlorobenzene	284	10.043	10.040	0.003	95	883793	12.0	12.5	
143 Atrazine	200	10.057	10.049	0.008	92	1232741	24.0	23.9	
148 n-Octadecane	57	10.165	10.165	0.000	94	1529466	12.0	12.2	
145 Pentachlorophenol	266	10.199	10.196	0.003	93	699664	24.0	23.6	
151 Phenanthrene	178	10.389	10.386	0.003	98	3236376	12.0	11.3	
152 Anthracene	178	10.432	10.429	0.003	97	3386747	12.0	12.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
153 Carbazole	167	10.548	10.545	0.003	97	3012431	12.0	12.0	
157 Di-n-butyl phthalate	149	10.770	10.767	0.003	100	3975916	12.0	12.2	
164 Fluoranthene	202	11.431	11.428	0.003	99	3518535	12.0	12.1	
166 Benzidine	184	11.513	11.510	0.003	99	3676547	24.0	23.1	
167 Pyrene	202	11.666	11.663	0.003	94	3626278	12.0	12.1	
174 Butyl benzyl phthalate	149	12.248	12.245	0.003	98	1798687	12.0	12.3	
181 Bis(2-ethylhexyl) phthalate	149	12.955	12.952	0.003	97	2551579	12.0	12.1	
179 3,3'-Dichlorobenzidine	252	13.003	12.991	0.012	74	3024232	24.0	24.0	
180 Benzo[a]anthracene	228	13.088	13.082	0.006	99	3495358	12.0	11.9	
182 Chrysene	228	13.142	13.136	0.006	97	3432844	12.0	12.1	
184 Di-n-octyl phthalate	149	13.908	13.908	0.000	99	4532059	12.0	12.5	
186 Benzo[b]fluoranthene	252	14.731	14.725	0.006	98	3845396	12.0	12.2	
187 Benzo[k]fluoranthene	252	14.773	14.768	0.005	97	3874958	12.0	12.0	
189 Benzo[a]pyrene	252	15.270	15.267	0.003	80	3812143	12.0	12.3	
194 Dibenz(a,h)anthracene	278	17.239	17.231	0.008	94	3902122	12.0	12.3	
193 Indeno[1,2,3-cd]pyrene	276	17.248	17.242	0.006	95	4698934	12.0	12.5	
195 Benzo[g,h,i]perylene	276	17.804	17.801	0.003	96	3826615	12.0	12.4	
S 261 Total Cresols	1				0			24.3	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MB_L1LVI_WRK_00514	Amount Added: 1.00	Units: mL	
MB_LLIS_WRK_00223	Amount Added: 20.00	Units: uL	Run Reagent

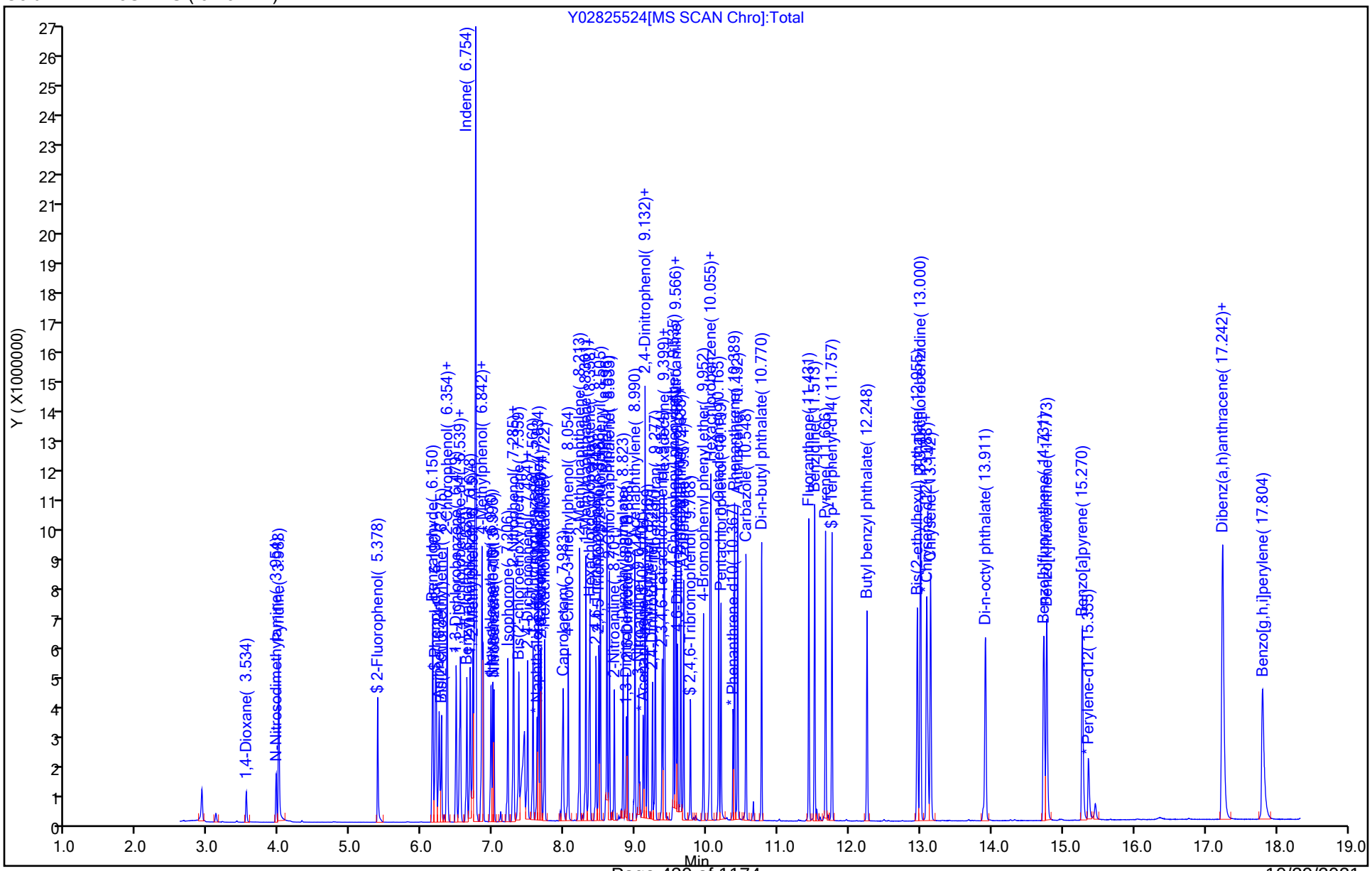
Report Date: 08-Oct-2021 11:20:08 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825524.D

Injection Date:	07-Oct-2021 14:40:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	IC - List 1 - 12			Worklist Smp#:	9
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

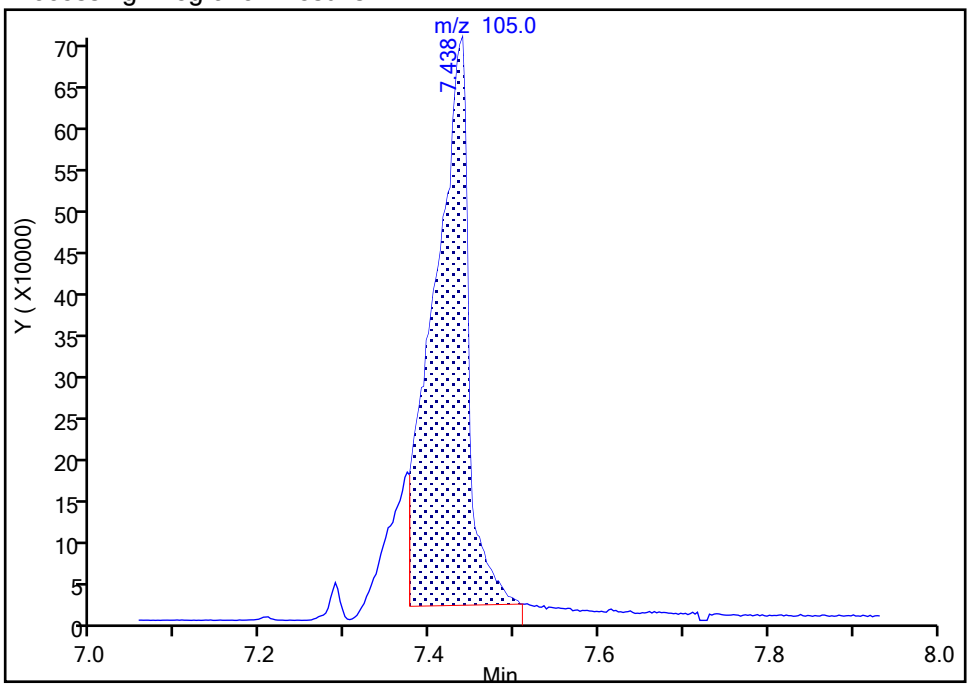
Data File:	\\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825524.D				
Injection Date:	07-Oct-2021 14:40:30	Instrument ID:	HP5973Y		
Lims ID:	IC - List 1 - 12				
Client ID:					
Operator ID:	JM	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

70 Benzoic acid, CAS: 65-85-0

Signal: 1

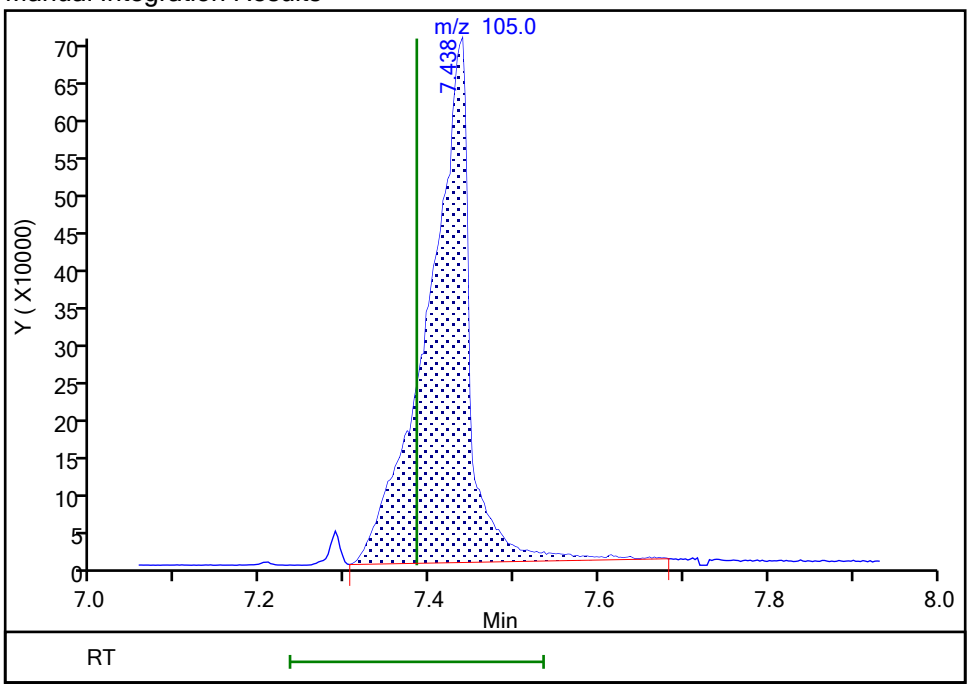
Processing Integration Results

RT: 7.44
Area: 1950892
Amount: 60.350155
Amount Units: ng/uL



Manual Integration Results

RT: 7.44
Area: 2439976
Amount: 59.729303
Amount Units: ng/uL



Reviewer: schickr, 08-Oct-2021 11:05:24

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825525.D
Lims ID: IC - List 1 - 16
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 07-Oct-2021 15:08:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 480-0101480-010
Operator ID: JM Instrument ID: HP5973Y
Sublist: chrom-Y-LVI-8270*sub36

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 08-Oct-2021 11:20:13 Calib Date: 07-Oct-2021 15:08:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825525.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1612

First Level Reviewer: marshallj Date: 08-Oct-2021 10:20:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.526	6.524	0.002	95	303948	4.00	4.00	a
* 2 Naphthalene-d8	136	7.618	7.614	0.004	99	1124308	4.00	4.00	
* 3 Acenaphthene-d10	164	9.105	9.101	0.004	96	628009	4.00	4.00	
* 4 Phenanthrene-d10	188	10.368	10.367	0.001	95	1066195	4.00	4.00	
* 5 Chrysene-d12	240	13.104	13.096	0.008	97	984920	4.00	4.00	
* 6 Perylene-d12	264	15.359	15.352	0.007	96	1062551	4.00	4.00	
$ 7 2-Fluorophenol	112	5.377	5.378	-0.001	93	1483457	16.0	16.4	
$ 8 Phenol-d5	99	6.191	6.184	0.007	0	1814865	16.0	15.9	
$ 9 Nitrobenzene-d5	82	6.997	6.990	0.007	88	1631471	16.0	14.2	
$ 10 2-Fluorobiphenyl	172	8.507	8.502	0.005	98	3111298	16.0	15.5	
$ 11 2,4,6-Tribromophenol	330	9.772	9.768	0.004	93	566705	16.0	17.7	
$ 12 p-Terphenyl-d14	244	11.759	11.754	0.005	98	3901750	16.0	15.9	
13 1,4-Dioxane	88	3.532	3.534	-0.002	95	574417	16.0	15.7	
14 N-Nitrosodimethylamine	42	3.958	3.948	0.010	90	788312	16.0	16.0	
15 Pyridine	52	3.989	3.988	0.001	93	1840878	32.0	32.7	
35 Benzaldehyde	77	6.151	6.147	0.004	95	2178145	32.0	30.5	
37 Phenol	94	6.205	6.195	0.010	99	1929967	16.0	15.9	
36 Aniline	93	6.242	6.238	0.004	99	2217405	16.0	15.9	
39 Bis(2-chloroethyl)ether	93	6.276	6.269	0.007	95	1409606	16.0	14.9	
40 2-Chlorophenol	128	6.353	6.349	0.004	96	1562449	16.0	16.2	
41 n-Decane	57	6.356	6.354	0.002	92	1672509	16.0	16.0	
43 1,3-Dichlorobenzene	146	6.481	6.479	0.002	98	1761278	16.0	15.8	
44 1,4-Dichlorobenzene	146	6.540	6.539	0.001	91	1762530	16.0	15.5	
45 Benzyl alcohol	108	6.634	6.624	0.010	93	1034679	16.0	16.8	
46 1,2-Dichlorobenzene	146	6.676	6.675	0.001	96	1660172	16.0	15.7	
48 2-Methylphenol	108	6.716	6.712	0.004	96	1424005	16.0	15.9	
49 2,2'-oxybis[1-chloropropane]	45	6.733	6.729	0.004	94	2246666	16.0	16.0	
47 Indene	115	6.756	6.751	0.005	90	11241881	80.0	67.4	e
57 4-Methylphenol	108	6.844	6.837	0.007	95	1491629	16.0	16.0	
53 N-Nitrosodi-n-propylamine	70	6.849	6.839	0.010	90	1073597	16.0	15.9	
52 Acetophenone	105	6.864	6.854	0.010	96	2125684	16.0	16.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
58 Hexachloroethane	117	6.969	6.967	0.002	98	742539	16.0	16.6	
59 Nitrobenzene	77	7.014	7.007	0.007	88	1652928	16.0	16.0	
62 Isophorone	82	7.207	7.200	0.007	99	2916528	16.0	16.1	
64 2-Nitrophenol	139	7.284	7.279	0.005	96	845631	16.0	16.3	
66 2,4-Dimethylphenol	107	7.289	7.285	0.004	95	1593116	16.0	16.3	
69 Bis(2-chloroethoxy)methane	93	7.360	7.356	0.004	97	1652082	16.0	15.1	
70 Benzoic acid	105	7.460	7.384	0.076	88	3728806	80.0	85.0	M
72 2,4-Dichlorophenol	162	7.485	7.481	0.004	94	1336002	16.0	17.1	
73 1,2,4-Trichlorobenzene	180	7.562	7.557	0.005	93	1419350	16.0	16.3	
74 Naphthalene	128	7.635	7.631	0.004	99	4318926	16.0	14.9	
76 4-Chloroaniline	127	7.661	7.657	0.004	96	1776466	16.0	16.1	
77 2,6-Dichlorophenol	162	7.675	7.671	0.004	97	1287274	16.0	16.5	
79 Hexachlorobutadiene	225	7.723	7.722	0.001	97	869605	16.0	16.6	
84 Caprolactam	113	7.996	7.949	0.047	77	870048	32.0	32.1	
85 4-Chloro-3-methylphenol	107	8.055	8.045	0.010	97	1308338	16.0	17.0	
87 2-Methylnaphthalene	142	8.214	8.213	0.001	91	3070468	16.0	15.8	
89 1-Methylnaphthalene	142	8.302	8.301	0.001	92	2781315	16.0	15.4	
90 Hexachlorocyclopentadiene	237	8.345	8.343	0.002	94	540249	16.0	17.2	
91 1,2,4,5-Tetrachlorobenzene	216	8.359	8.355	0.004	98	1463008	16.0	16.0	
93 2,4,6-Trichlorophenol	196	8.444	8.440	0.004	93	946675	16.0	17.2	
94 2,4,5-Trichlorophenol	196	8.487	8.480	0.007	95	950879	16.0	16.9	
96 1,1'-Biphenyl	154	8.597	8.593	0.004	98	3363762	16.0	15.3	
97 2-Chloronaphthalene	162	8.634	8.630	0.004	97	2874955	16.0	16.5	
100 2-Nitroaniline	65	8.702	8.695	0.007	87	827270	16.0	16.3	
105 Dimethyl phthalate	163	8.827	8.820	0.007	98	2969223	16.0	15.9	
106 1,3-Dinitrobenzene	168	8.873	8.865	0.008	86	498598	16.0	16.1	
107 2,6-Dinitrotoluene	165	8.893	8.883	0.010	94	715321	16.0	16.4	
108 Acenaphthylene	152	8.992	8.988	0.004	98	4372336	16.0	16.0	
109 3-Nitroaniline	138	9.049	9.039	0.010	95	801595	16.0	16.5	
111 2,4-Dinitrophenol	184	9.134	9.127	0.007	67	731364	32.0	33.6	
110 Acenaphthene	153	9.137	9.129	0.008	94	2762807	16.0	15.3	
112 4-Nitrophenol	109	9.173	9.158	0.015	95	805054	32.0	35.2	
114 2,4-Dinitrotoluene	165	9.239	9.232	0.007	94	965648	16.0	16.9	
115 Dibenzofuran	168	9.278	9.271	0.007	97	3810527	16.0	15.3	
118 2,3,4,6-Tetrachlorophenol	232	9.375	9.371	0.004	73	739148	16.0	16.5	
121 Hexadecane	57	9.398	9.396	0.002	94	2007989	16.0	16.5	
120 Diethyl phthalate	149	9.409	9.405	0.004	98	3025908	16.0	15.8	
123 4-Chlorophenyl phenyl ether	204	9.537	9.532	0.005	93	1528519	16.0	15.8	
126 4-Nitroaniline	138	9.571	9.558	0.013	87	807556	16.0	16.1	
124 Fluorene	166	9.568	9.564	0.004	93	3062355	16.0	15.8	
127 4,6-Dinitro-2-methylphenol	198	9.593	9.583	0.010	83	968301	32.0	33.7	
129 Diphenylamine	169	9.636	9.632	0.004	92	2265765	13.7	13.8	
130 N-Nitrosodiphenylamine	169	9.636	9.632	0.004	71	2265765	16.0	16.1	
131 1,2-Diphenylhydrazine	77	9.676	9.671	0.005	41	3261774	16.0	16.0	
132 Azobenzene	77	9.676	9.671	0.005	99	3261774	16.0	16.0	
139 4-Bromophenyl phenyl ether	248	9.954	9.949	0.005	67	974842	16.0	16.5	
140 Hexachlorobenzene	284	10.045	10.040	0.005	95	1163056	16.0	16.6	
143 Atrazine	200	10.062	10.049	0.013	91	1533648	32.0	30.4	
148 n-Octadecane	57	10.167	10.165	0.002	94	2048783	16.0	16.5	
145 Pentachlorophenol	266	10.201	10.196	0.005	93	1015323	32.0	33.6	
151 Phenanthrene	178	10.391	10.386	0.005	99	4380132	16.0	15.4	
152 Anthracene	178	10.433	10.429	0.004	98	4364976	16.0	15.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
153 Carbazole	167	10.550	10.545	0.005	97	3892889	16.0	15.6	
157 Di-n-butyl phthalate	149	10.768	10.767	0.001	100	5155026	16.0	16.0	
164 Fluoranthene	202	11.432	11.428	0.004	99	4617115	16.0	16.0	
166 Benzidine	184	11.514	11.510	0.004	99	4760512	32.0	29.4	
167 Pyrene	202	11.668	11.663	0.005	93	4740288	16.0	15.5	
174 Butyl benzyl phthalate	149	12.249	12.245	0.004	98	2438139	16.0	16.4	
181 Bis(2-ethylhexyl) phthalate	149	12.956	12.952	0.004	97	3527369	16.0	16.4	
179 3,3'-Dichlorobenzidine	252	13.007	12.991	0.016	74	4068223	32.0	31.8	
180 Benzo[a]anthracene	228	13.089	13.082	0.007	99	4780065	16.0	16.0	
182 Chrysene	228	13.143	13.136	0.007	98	4499099	16.0	15.6	
184 Di-n-octyl phthalate	149	13.912	13.908	0.004	99	5947377	16.0	16.1	
186 Benzo[b]fluoranthene	252	14.729	14.725	0.004	98	5095623	16.0	16.4	
187 Benzo[k]fluoranthene	252	14.775	14.768	0.007	96	5180449	16.0	16.3	
189 Benzo[a]pyrene	252	15.271	15.267	0.004	80	5119204	16.0	16.7	
194 Dibenz(a,h)anthracene	278	17.249	17.231	0.018	90	5387593	16.0	17.2	
193 Indeno[1,2,3-cd]pyrene	276	17.255	17.242	0.013	95	6165617	16.0	16.7	a
195 Benzo[g,h,i]perylene	276	17.805	17.801	0.004	95	5111265	16.0	16.8	
S 261 Total Cresols	1				0			31.9	

QC Flag Legend

Processing Flags
- e - Potential Peak Saturated

Review Flags
- M - Manually Integrated
- a - User Assigned ID

Reagents:

MB_L1LVI_WRK_00515	Amount Added: 1.00	Units: mL	
MB_LLIS_WRK_00223	Amount Added: 20.00	Units: uL	Run Reagent

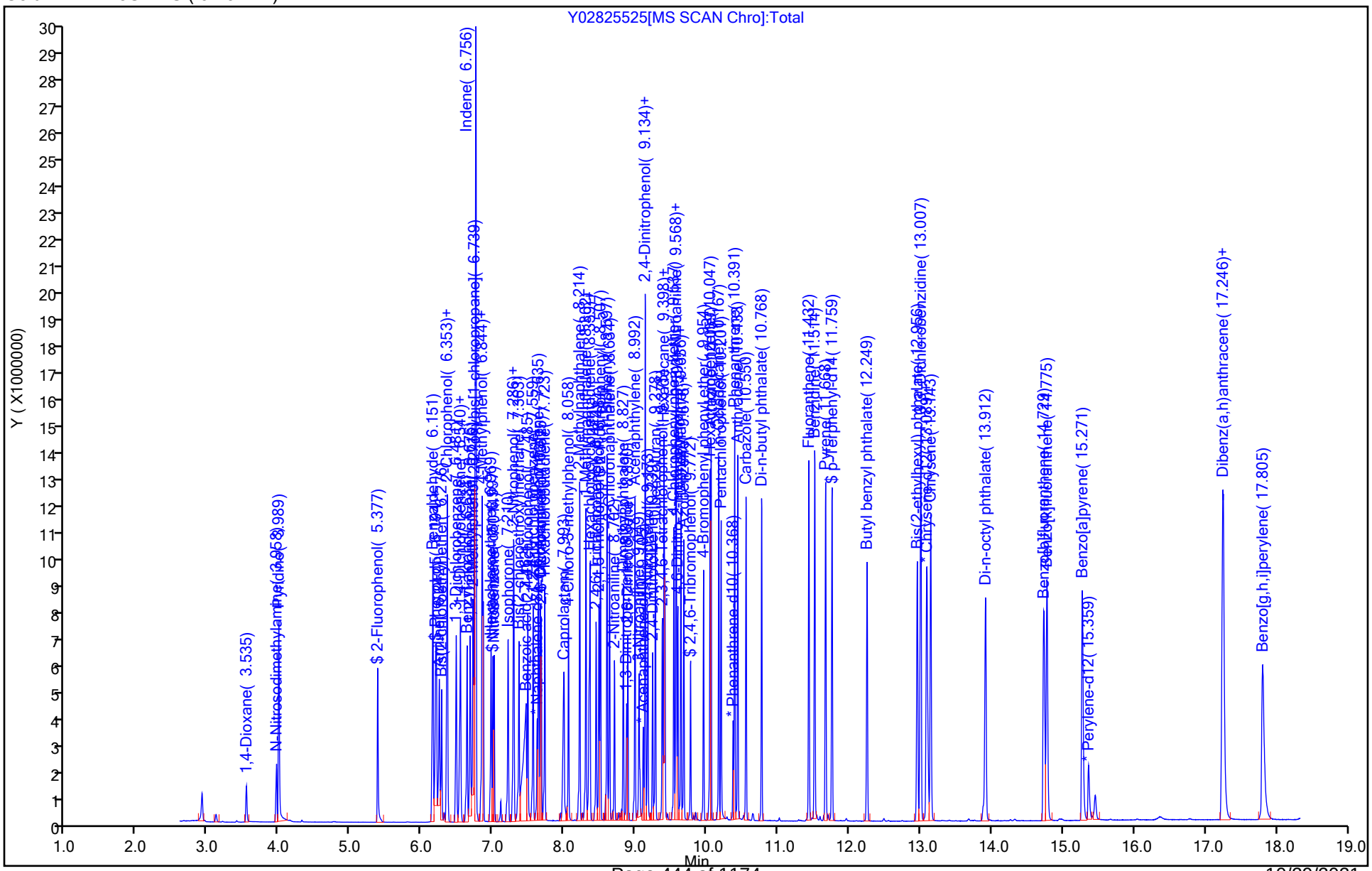
Report Date: 08-Oct-2021 11:20:14 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825525.D

Injection Date:	07-Oct-2021 15:08:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	IC - List 1 - 16			Worklist Smp#:	10
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

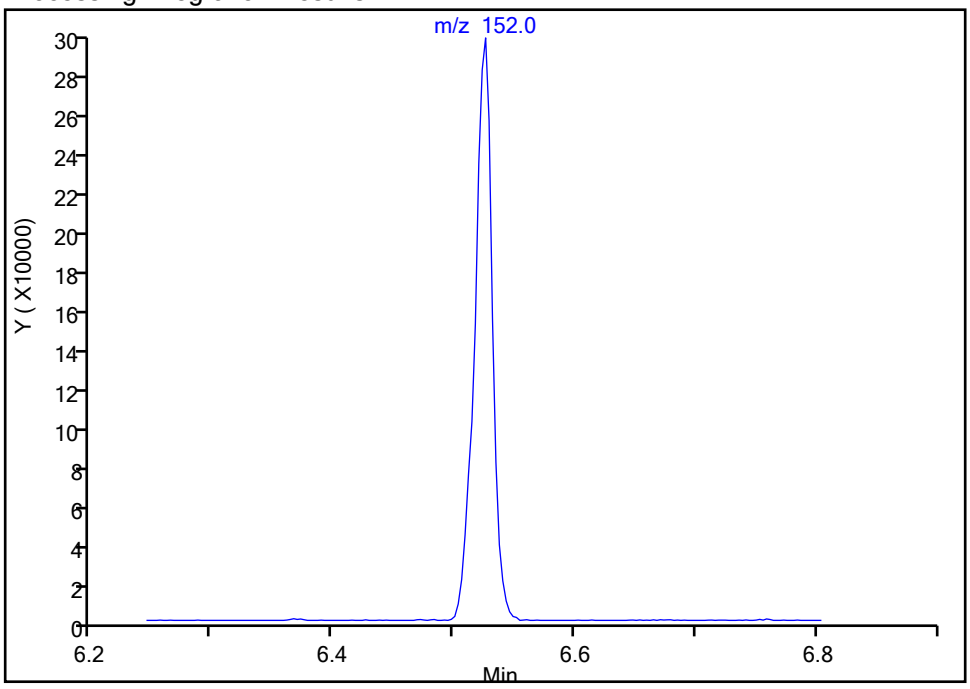
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825525.D
Injection Date: 07-Oct-2021 15:08:30 Instrument ID: HP5973Y
Lims ID: IC - List 1 - 16
Client ID:
Operator ID: JM ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

* 1 1,4-Dichlorobenzene-d4, CAS: 3855-82-1

Signal: 1

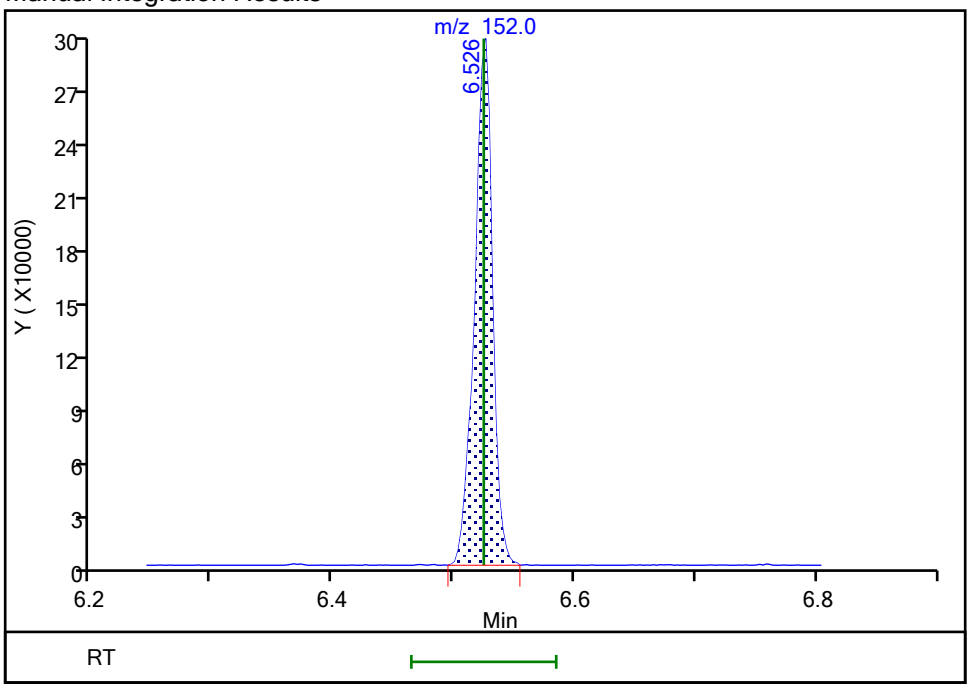
Not Detected
Expected RT: 6.52

Processing Integration Results



RT: 6.53
Area: 303948
Amount: 4.000000
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 08-Oct-2021 10:19:46
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

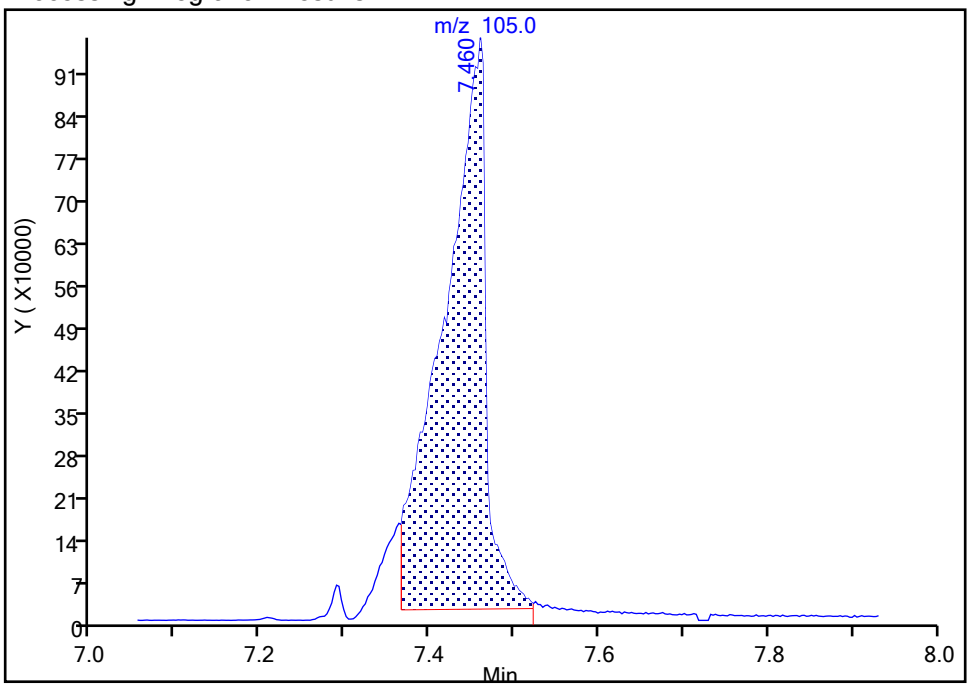
Data File:	\\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825525.D				
Injection Date:	07-Oct-2021 15:08:30	Instrument ID:	HP5973Y		
Lims ID:	IC - List 1 - 16				
Client ID:					
Operator ID:	JM	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

70 Benzoic acid, CAS: 65-85-0

Signal: 1

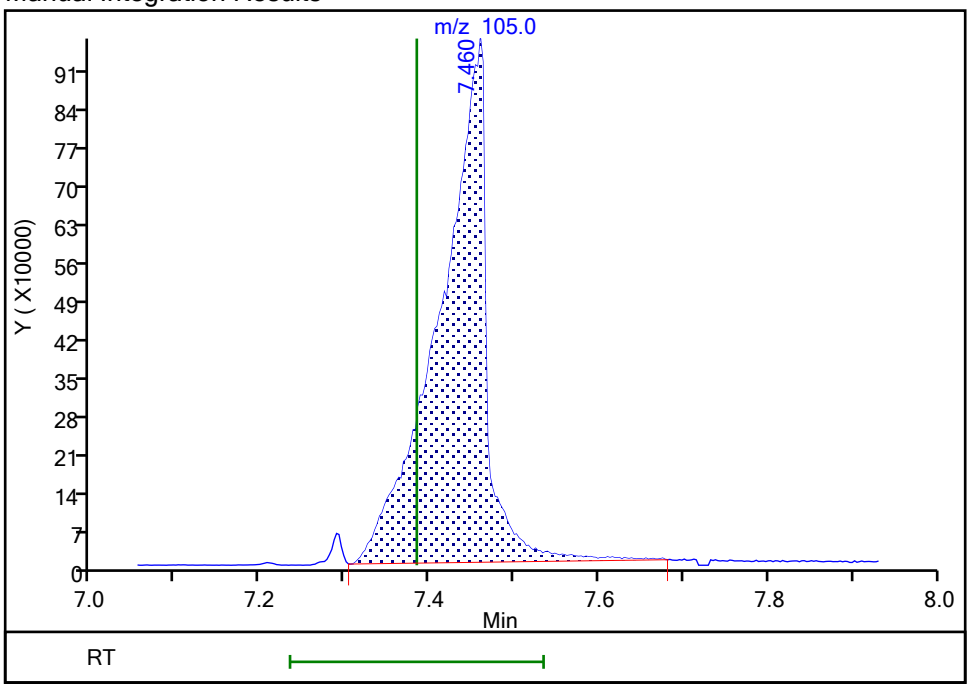
Processing Integration Results

RT: 7.46
Area: 3287287
Amount: 94.073121
Amount Units: ng/uL



Manual Integration Results

RT: 7.46
Area: 3728806
Amount: 85.040756
Amount Units: ng/uL



Reviewer: schickr, 08-Oct-2021 11:05:42

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

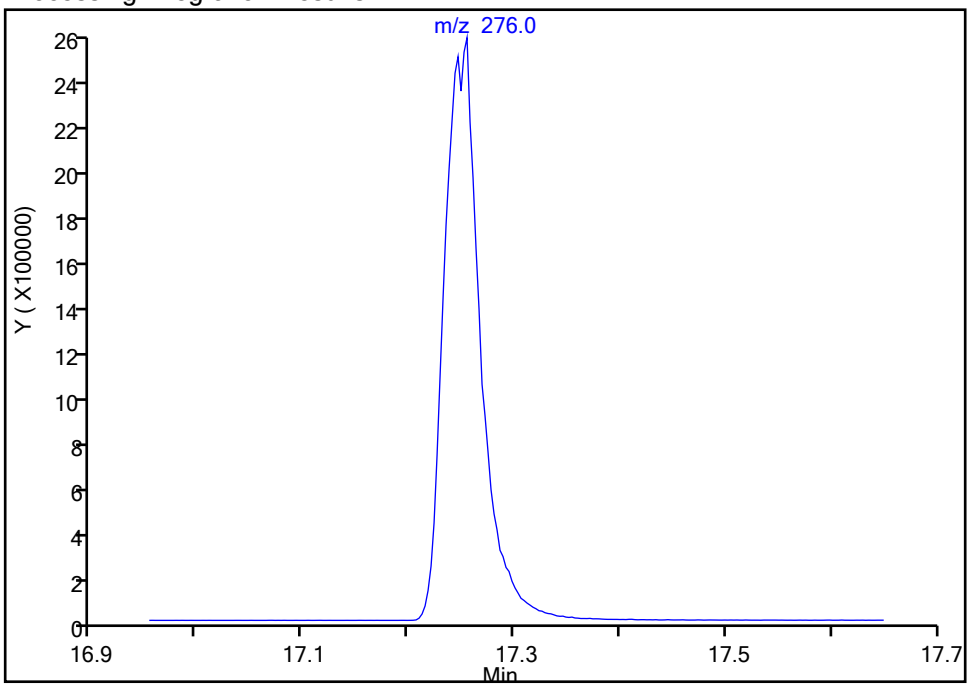
Data File:	\\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825525.D				
Injection Date:	07-Oct-2021 15:08:30	Instrument ID:	HP5973Y		
Lims ID:	IC - List 1 - 16				
Client ID:					
Operator ID:	JM	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

193 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

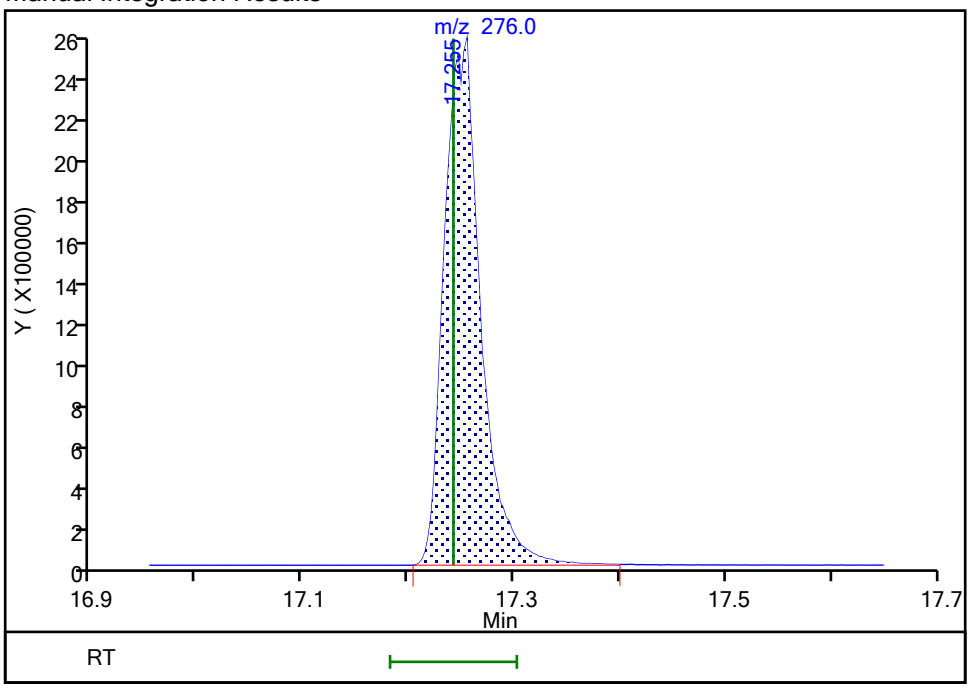
Not Detected
Expected RT: 17.24

Processing Integration Results



Manual Integration Results

RT: 17.25
Area: 6165617
Amount: 16.651968
Amount Units: ng/uL



Reviewer: marshallj, 08-Oct-2021 10:20:21
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Calibration / 1,4-Dioxane

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

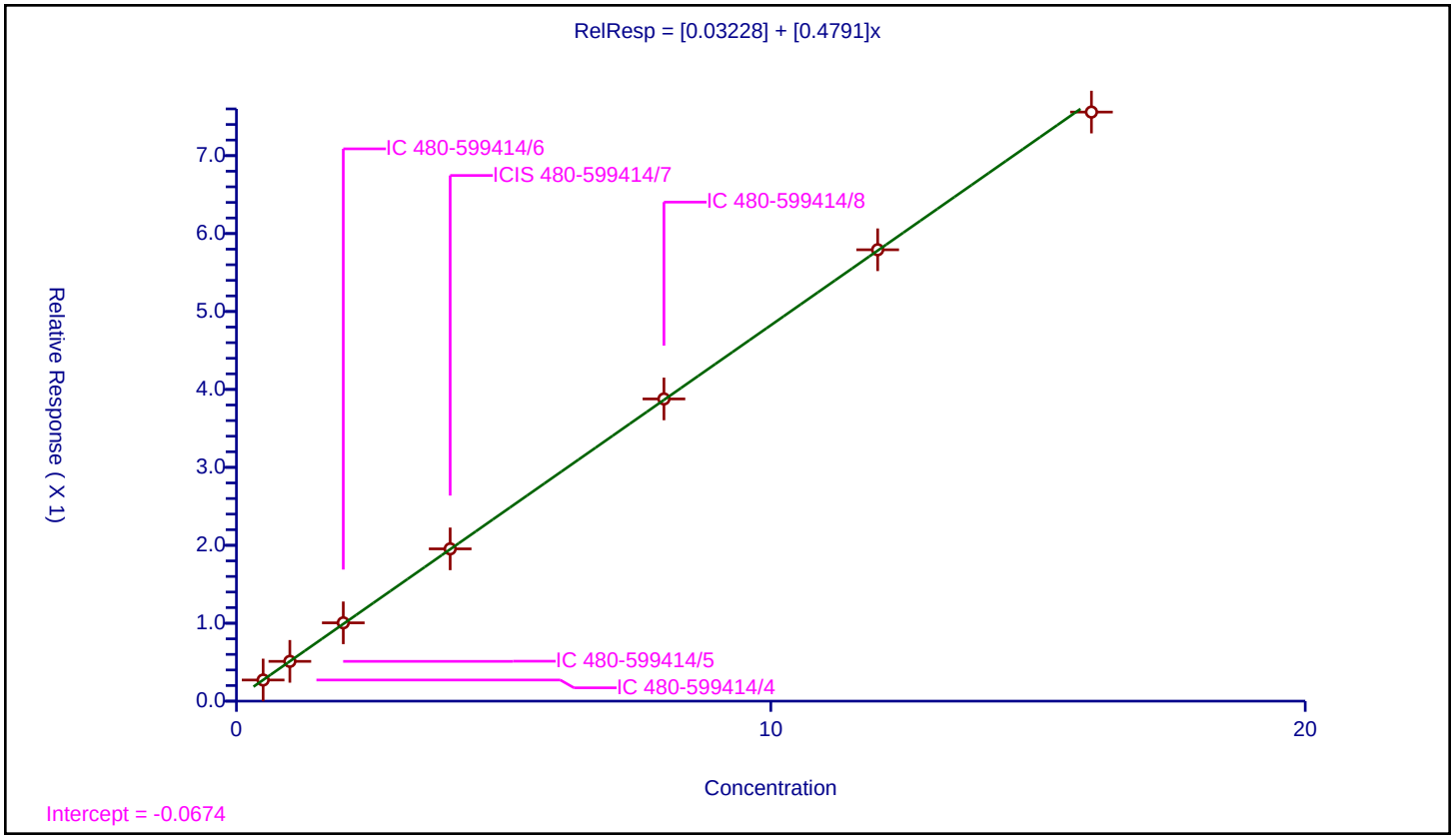
Curve Coefficients

Intercept:	0.03228
Slope:	0.4791

Error Coefficients

Standard Error:	358000
Relative Standard Error:	1.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.271148	4.0	302875.0	0.542296	Y
2	IC 480-599414/5	1.0	0.510527	4.0	304117.0	0.510527	Y
3	IC 480-599414/6	2.0	1.004876	4.0	319307.0	0.502438	Y
4	ICIS 480-599414/7	4.0	1.954046	4.0	310093.0	0.488512	Y
5	IC 480-599414/8	8.0	3.877911	4.0	306498.0	0.484739	Y
6	IC 480-599414/9	12.0	5.792233	4.0	303244.0	0.482686	Y
7	IC 480-599414/10	16.0	7.559411	4.0	303948.0	0.472463	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

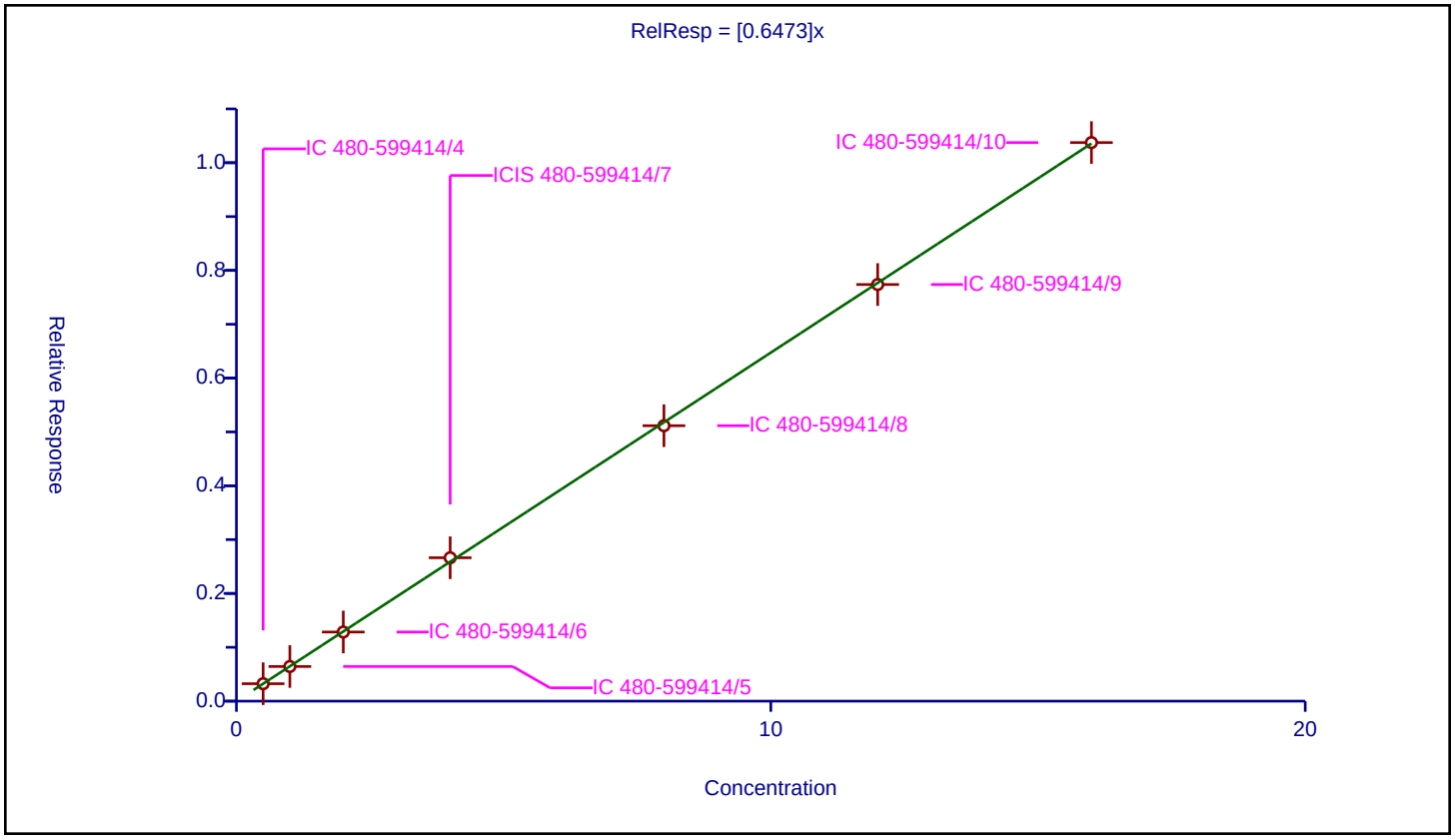
Curve Coefficients

Intercept:	0
Slope:	0.6473

Error Coefficients

Standard Error:	443000
Relative Standard Error:	1.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.323685	4.0	302875.0	0.647369	Y
2	IC 480-599414/5	1.0	0.643187	4.0	304117.0	0.643187	Y
3	IC 480-599414/6	2.0	1.283943	4.0	319307.0	0.641972	Y
4	ICIS 480-599414/7	4.0	2.663343	4.0	310093.0	0.665836	Y
5	IC 480-599414/8	8.0	5.115701	4.0	306498.0	0.639463	Y
6	IC 480-599414/9	12.0	7.737861	4.0	303244.0	0.644822	Y
7	IC 480-599414/10	16.0	10.374301	4.0	303948.0	0.648394	Y



Calibration / Pyridine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

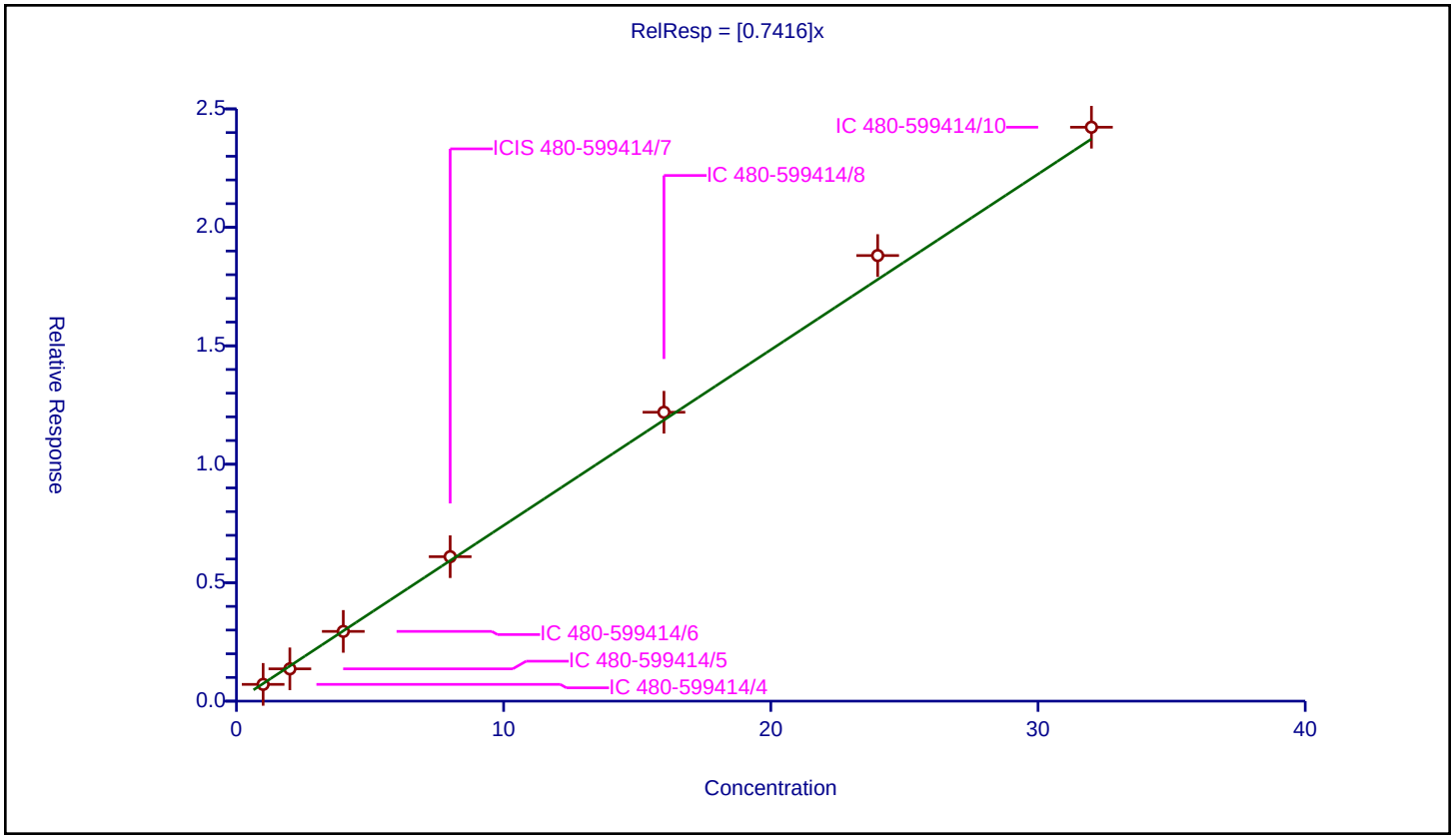
Curve Coefficients

Intercept:	0
Slope:	0.7416

Error Coefficients

Standard Error:	1050000
Relative Standard Error:	4.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	1.0	0.708187	4.0	302875.0	0.708187	Y
2	IC 480-599414/5	2.0	1.363094	4.0	304117.0	0.681547	Y
3	IC 480-599414/6	4.0	2.944376	4.0	319307.0	0.736094	Y
4	ICIS 480-599414/7	8.0	6.097306	4.0	310093.0	0.762163	Y
5	IC 480-599414/8	16.0	12.195564	4.0	306498.0	0.762223	Y
6	IC 480-599414/9	24.0	18.810041	4.0	303244.0	0.783752	Y
7	IC 480-599414/10	32.0	24.226223	4.0	303948.0	0.757069	Y



Calibration / 2-Fluorophenol

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

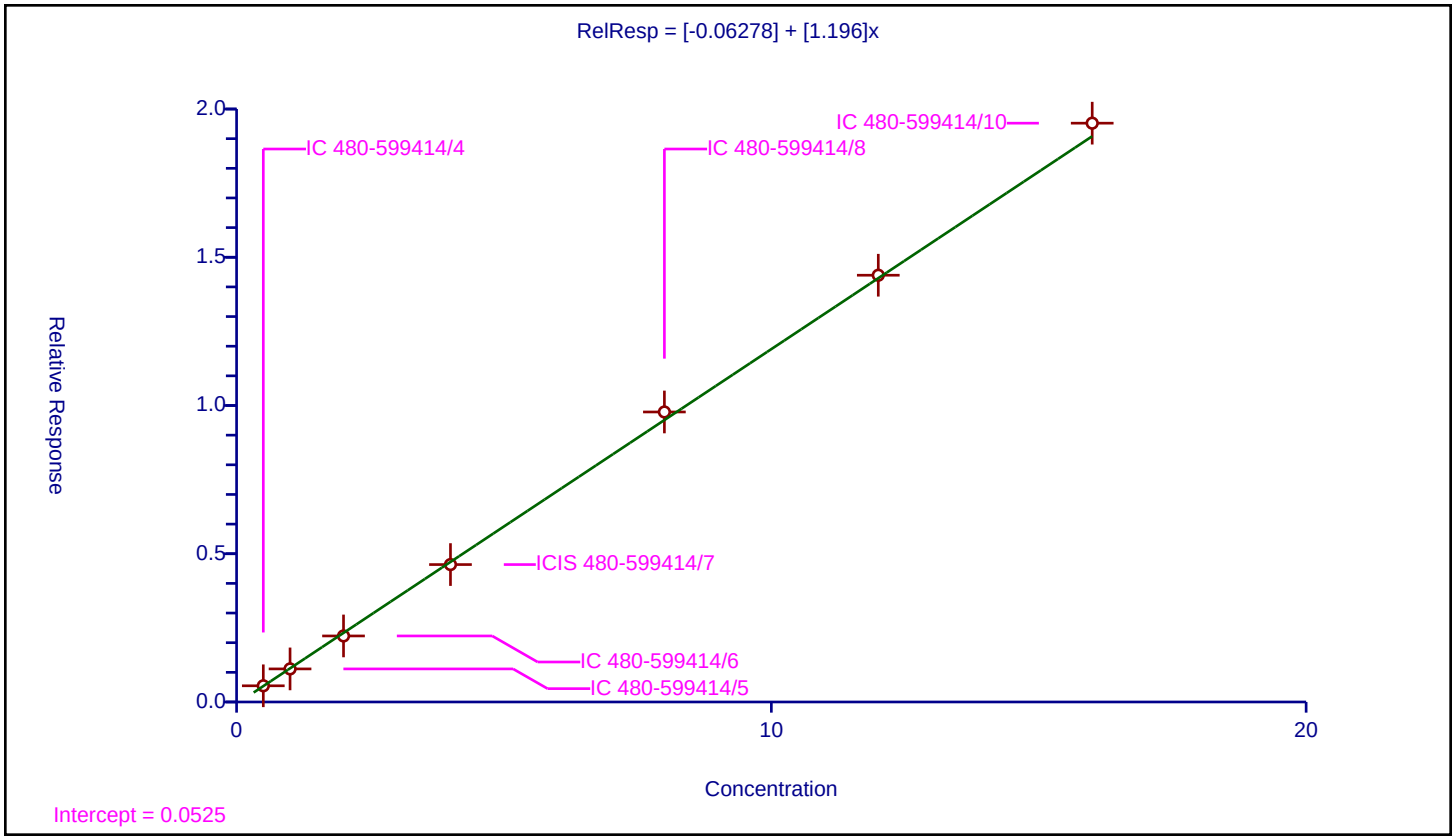
Curve Coefficients

Intercept:	-0.06278
Slope:	1.196

Error Coefficients

Standard Error:	908000
Relative Standard Error:	2.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.545981	4.0	302875.0	1.091962	Y
2	IC 480-599414/5	1.0	1.116097	4.0	304117.0	1.116097	Y
3	IC 480-599414/6	2.0	2.227148	4.0	319307.0	1.113574	Y
4	ICIS 480-599414/7	4.0	4.635022	4.0	310093.0	1.158756	Y
5	IC 480-599414/8	8.0	9.781454	4.0	306498.0	1.222682	Y
6	IC 480-599414/9	12.0	14.394098	4.0	303244.0	1.199508	Y
7	IC 480-599414/10	16.0	19.52251	4.0	303948.0	1.220157	Y



Calibration / Benzaldehyde

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

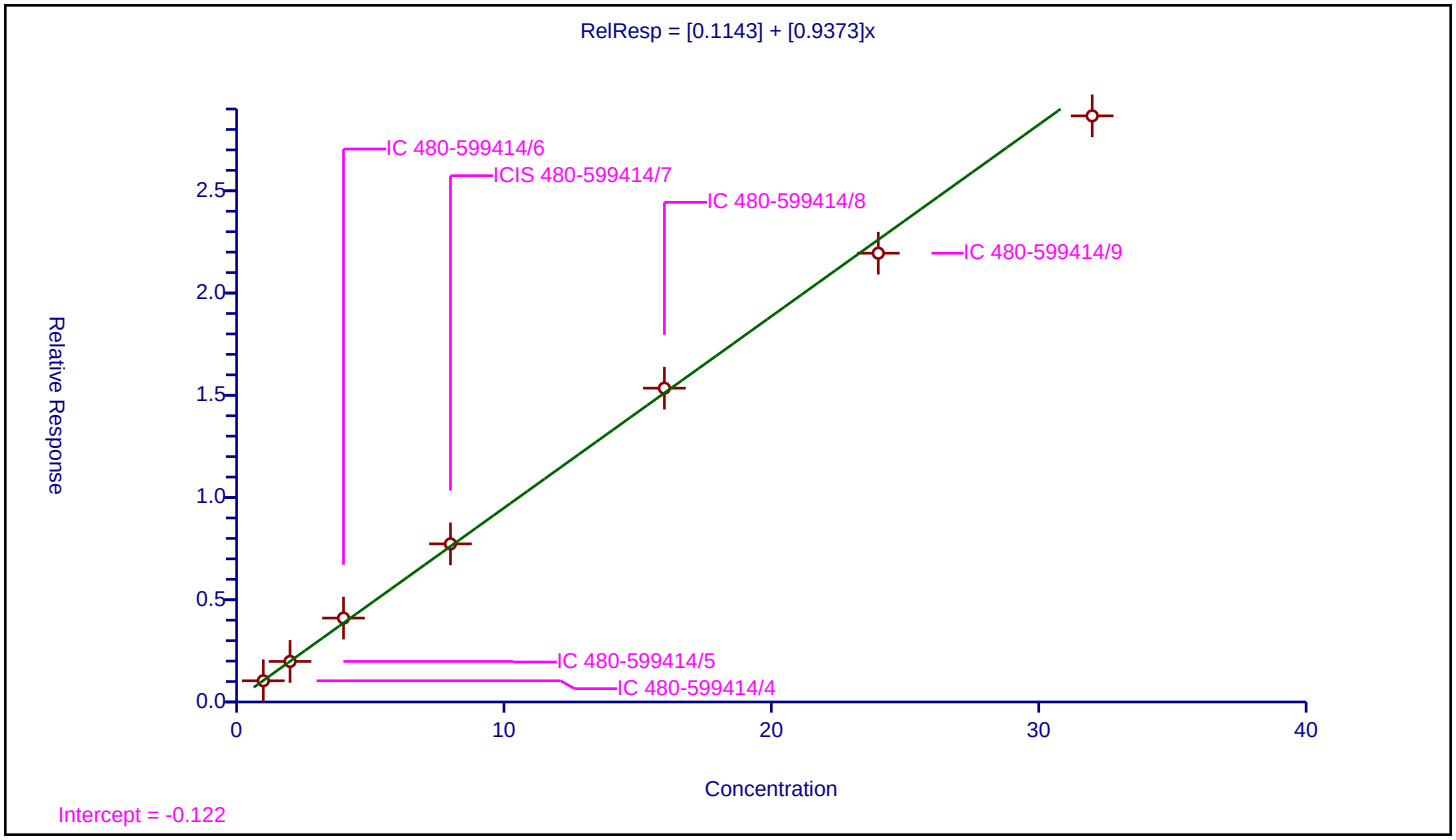
Curve Coefficients

Intercept:	0.1143
Slope:	0.9373

Error Coefficients

Standard Error:	1370000
Relative Standard Error:	4.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	1.0	1.038039	4.0	302875.0	1.038039	Y
2	IC 480-599414/5	2.0	1.982369	4.0	304117.0	0.991184	Y
3	IC 480-599414/6	4.0	4.102935	4.0	319307.0	1.025734	Y
4	ICIS 480-599414/7	8.0	7.732609	4.0	310093.0	0.966576	Y
5	IC 480-599414/8	16.0	15.347598	4.0	306498.0	0.959225	Y
6	IC 480-599414/9	24.0	21.948649	4.0	303244.0	0.914527	Y
7	IC 480-599414/10	32.0	28.664706	4.0	303948.0	0.895772	Y



Calibration / Phenol-d5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

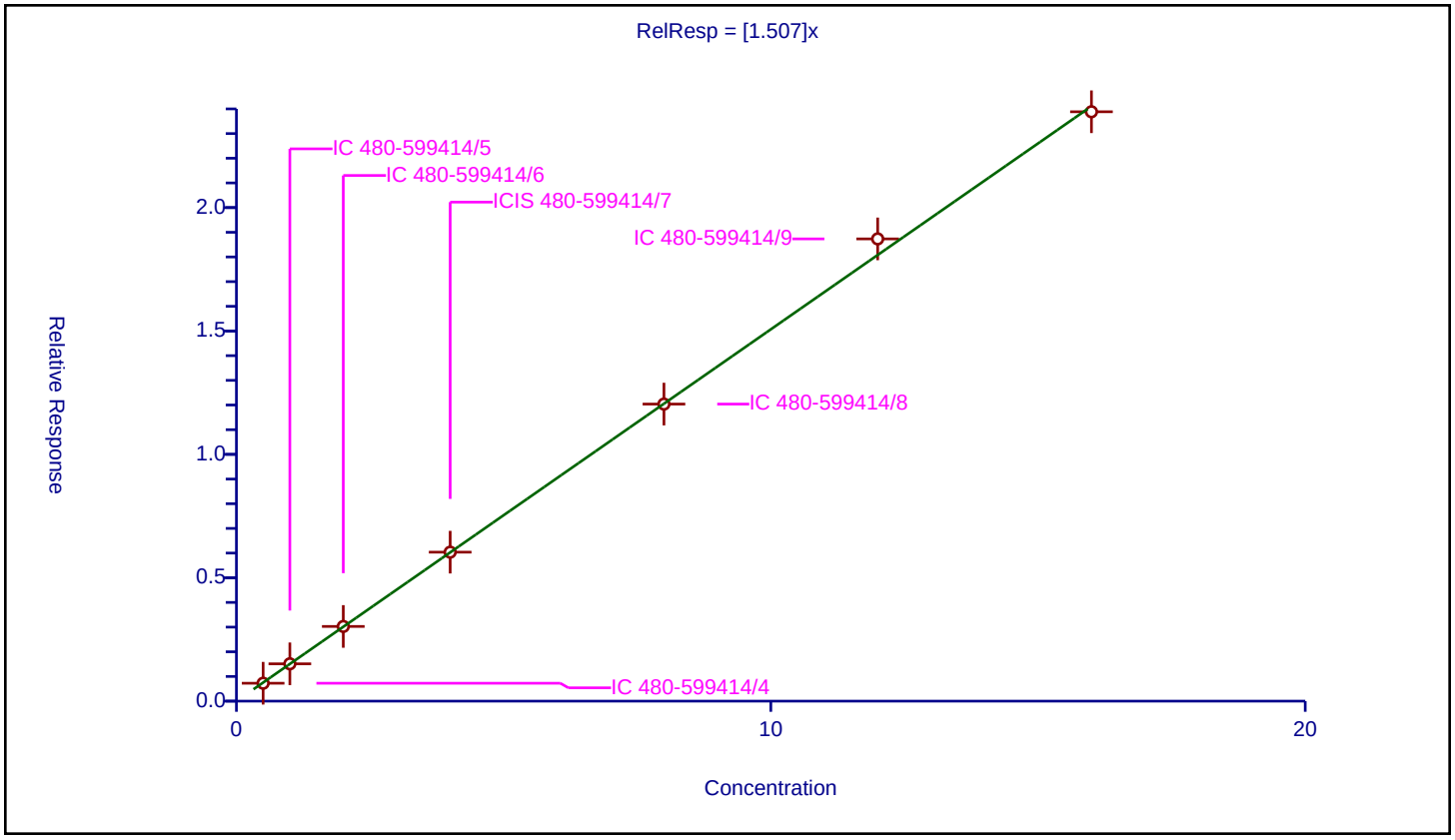
Curve Coefficients

Intercept:	0
Slope:	1.507

Error Coefficients

Standard Error:	1040000
Relative Standard Error:	2.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.726148	4.0	302875.0	1.452296	Y
2	IC 480-599414/5	1.0	1.513049	4.0	304117.0	1.513049	Y
3	IC 480-599414/6	2.0	3.026792	4.0	319307.0	1.513396	Y
4	ICIS 480-599414/7	4.0	6.037105	4.0	310093.0	1.509276	Y
5	IC 480-599414/8	8.0	12.037625	4.0	306498.0	1.504703	Y
6	IC 480-599414/9	12.0	18.732202	4.0	303244.0	1.561017	Y
7	IC 480-599414/10	16.0	23.883888	4.0	303948.0	1.492743	Y



Calibration / Phenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

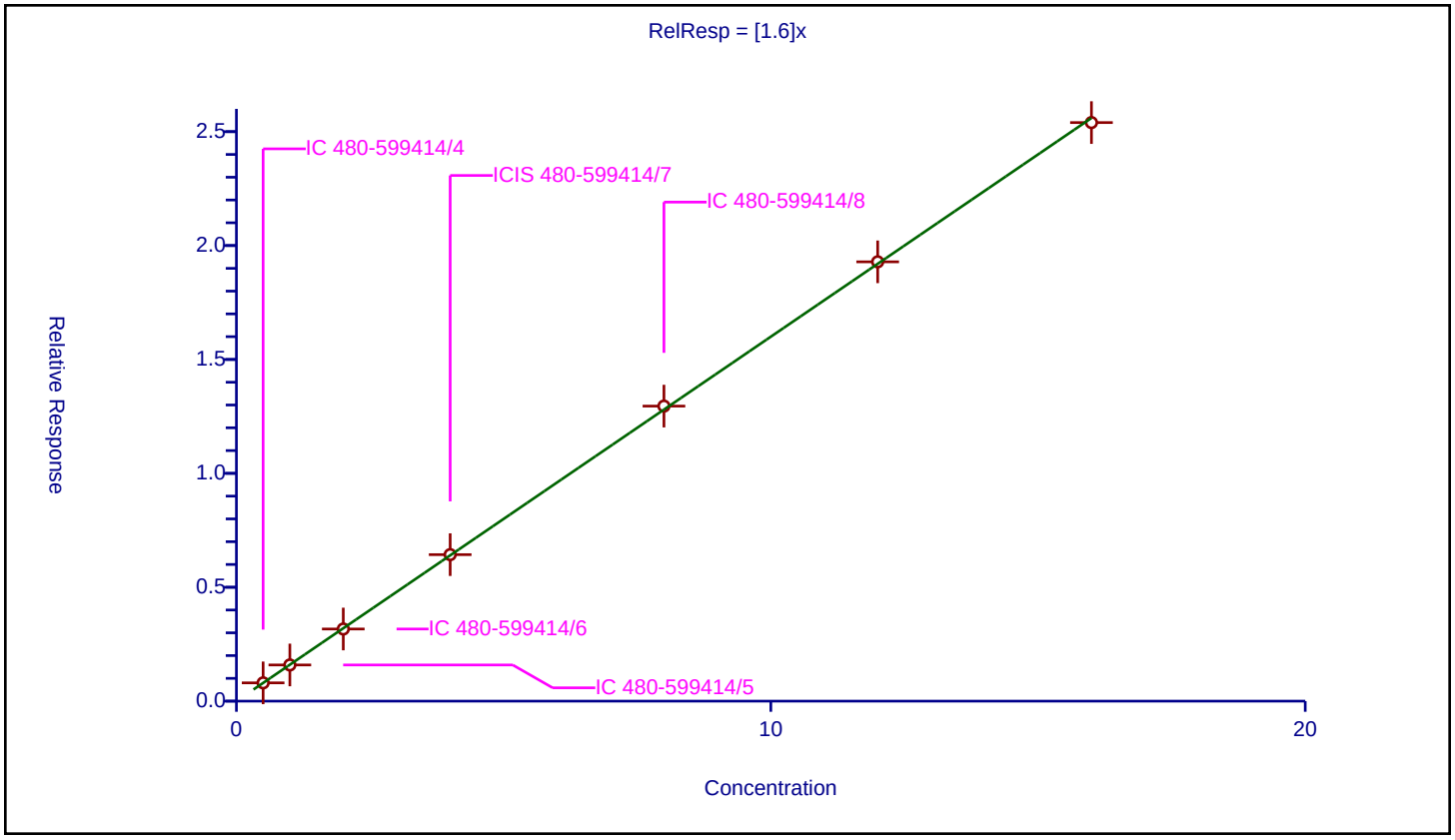
Curve Coefficients

Intercept:	0
Slope:	1.6

Error Coefficients

Standard Error:	1090000
Relative Standard Error:	0.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.802628	4.0	302875.0	1.605256	Y
2	IC 480-599414/5	1.0	1.588783	4.0	304117.0	1.588783	Y
3	IC 480-599414/6	2.0	3.167347	4.0	319307.0	1.583673	Y
4	ICIS 480-599414/7	4.0	6.431567	4.0	310093.0	1.607892	Y
5	IC 480-599414/8	8.0	12.952593	4.0	306498.0	1.619074	Y
6	IC 480-599414/9	12.0	19.286357	4.0	303244.0	1.607196	Y
7	IC 480-599414/10	16.0	25.398647	4.0	303948.0	1.587415	Y



Calibration / Aniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

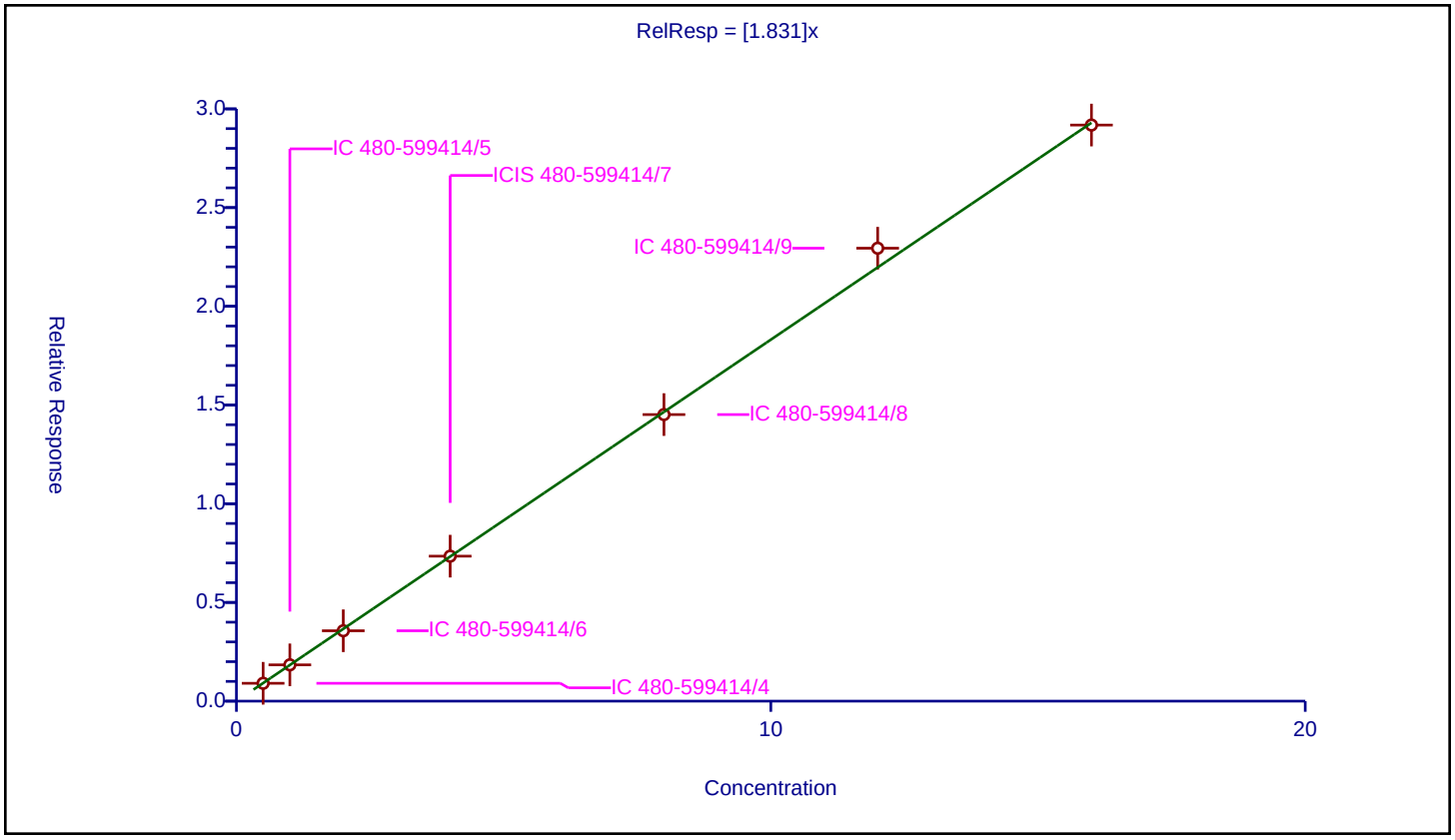
Curve Coefficients

Intercept:	0
Slope:	1.831

Error Coefficients

Standard Error:	1270000
Relative Standard Error:	2.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.904888	4.0	302875.0	1.809776	Y
2	IC 480-599414/5	1.0	1.838437	4.0	304117.0	1.838437	Y
3	IC 480-599414/6	2.0	3.564745	4.0	319307.0	1.782372	Y
4	ICIS 480-599414/7	4.0	7.343655	4.0	310093.0	1.835914	Y
5	IC 480-599414/8	8.0	14.515397	4.0	306498.0	1.814425	Y
6	IC 480-599414/9	12.0	22.942792	4.0	303244.0	1.911899	Y
7	IC 480-599414/10	16.0	29.181373	4.0	303948.0	1.823836	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

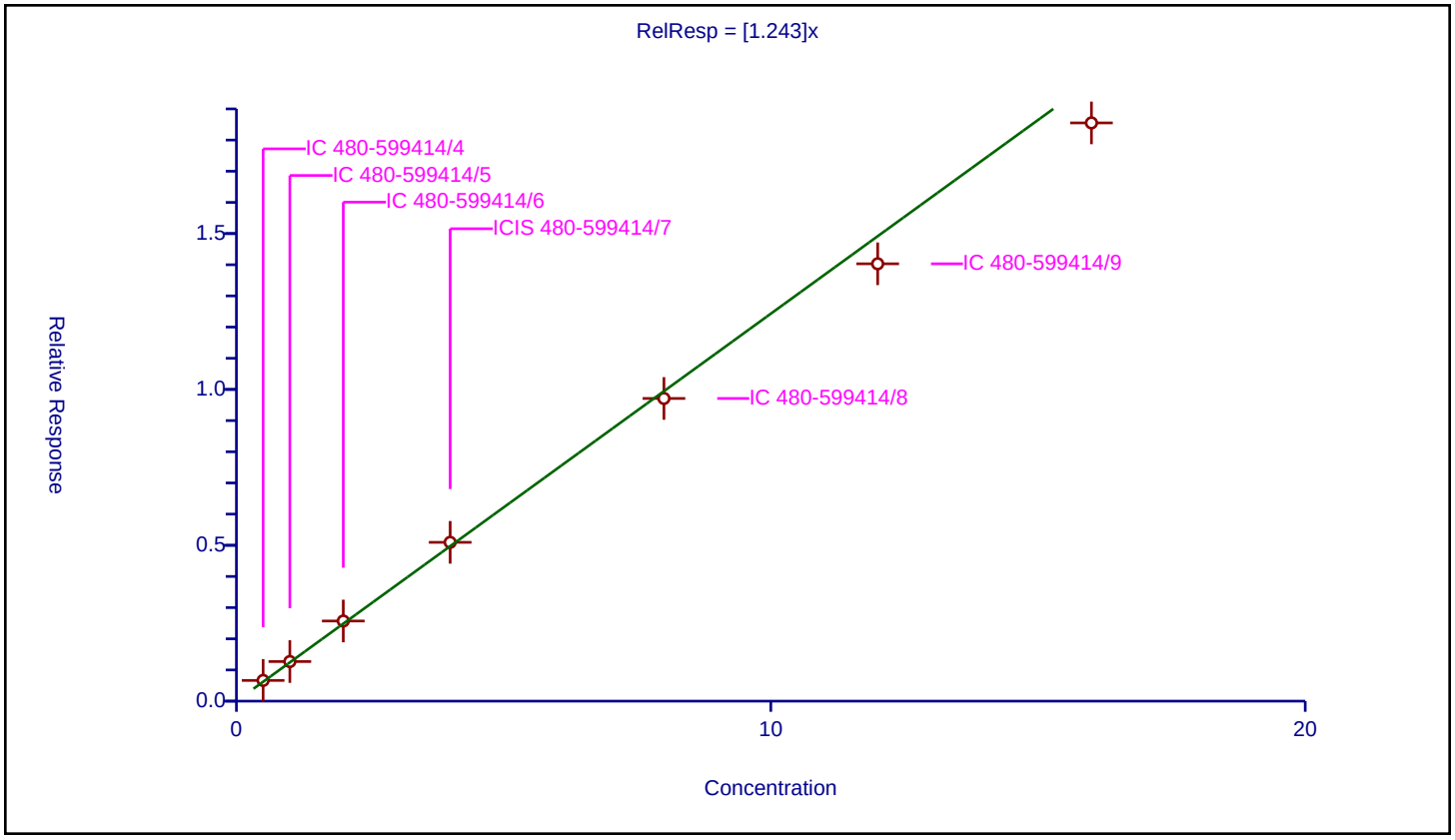
Curve Coefficients

Intercept:	0
Slope:	1.243

Error Coefficients

Standard Error:	804000
Relative Standard Error:	5.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.664433	4.0	302875.0	1.328865	Y
2	IC 480-599414/5	1.0	1.270024	4.0	304117.0	1.270024	Y
3	IC 480-599414/6	2.0	2.570918	4.0	319307.0	1.285459	Y
4	ICIS 480-599414/7	4.0	5.094691	4.0	310093.0	1.273673	Y
5	IC 480-599414/8	8.0	9.710523	4.0	306498.0	1.213815	Y
6	IC 480-599414/9	12.0	14.030695	4.0	303244.0	1.169225	Y
7	IC 480-599414/10	16.0	18.550621	4.0	303948.0	1.159414	Y



Calibration / 2-Chlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

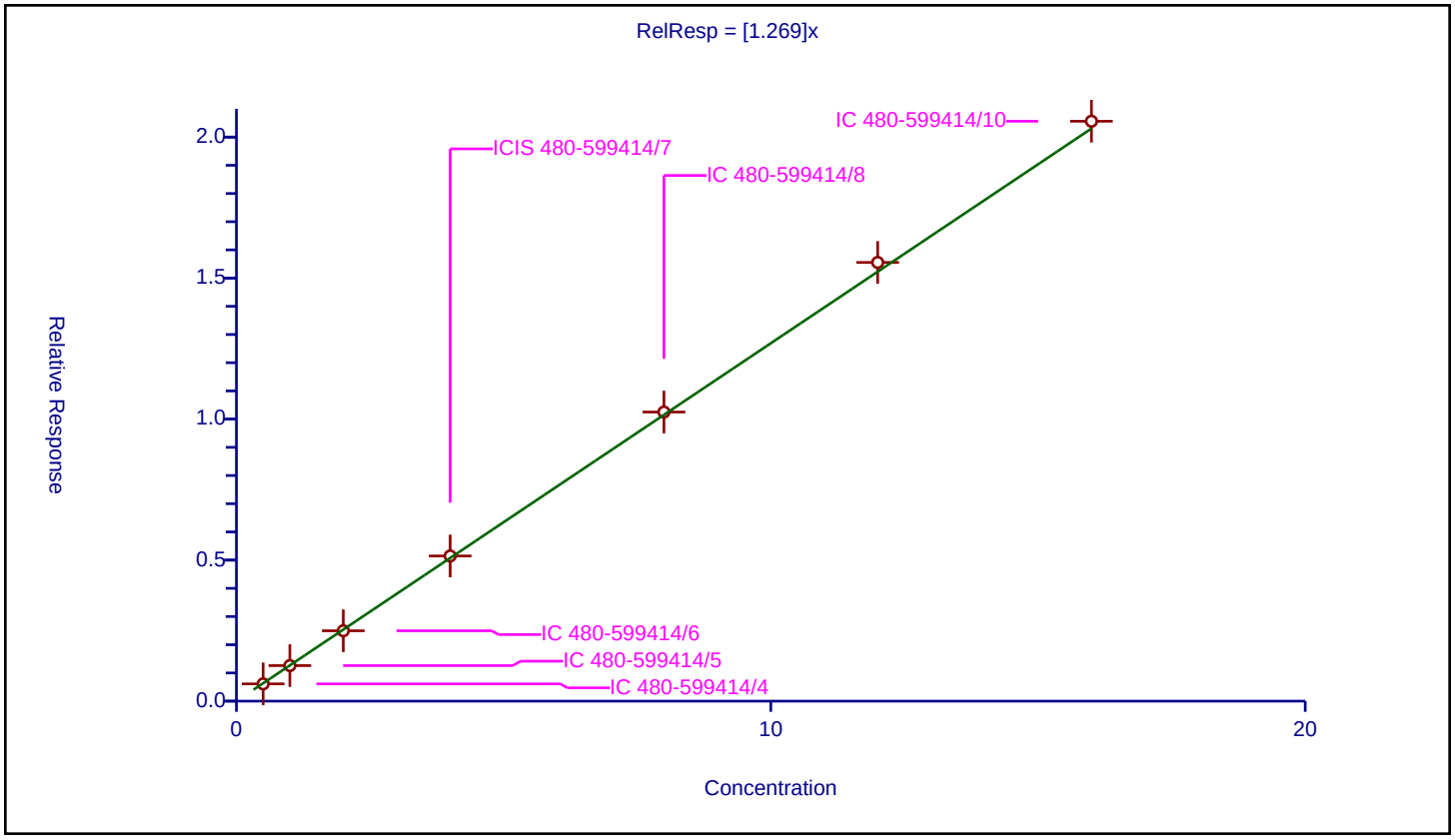
Curve Coefficients

Intercept:	0
Slope:	1.269

Error Coefficients

Standard Error:	881000
Relative Standard Error:	2.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.612834	4.0	302875.0	1.225667	Y
2	IC 480-599414/5	1.0	1.259857	4.0	304117.0	1.259857	Y
3	IC 480-599414/6	2.0	2.494865	4.0	319307.0	1.247433	Y
4	ICIS 480-599414/7	4.0	5.147527	4.0	310093.0	1.286882	Y
5	IC 480-599414/8	8.0	10.250677	4.0	306498.0	1.281335	Y
6	IC 480-599414/9	12.0	15.555328	4.0	303244.0	1.296277	Y
7	IC 480-599414/10	16.0	20.562057	4.0	303948.0	1.285129	Y



Calibration / n-Decane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

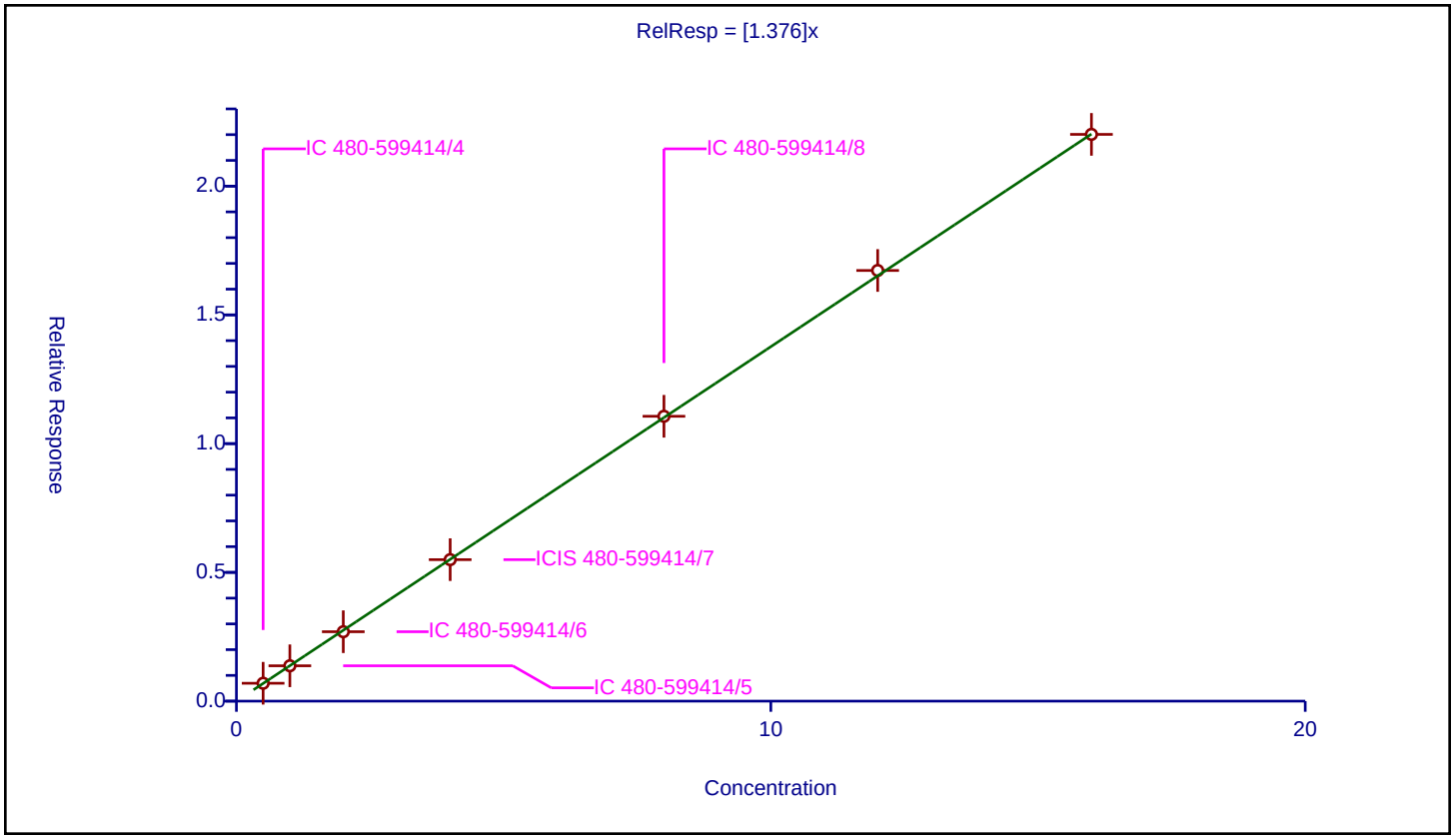
Curve Coefficients

Intercept:	0
Slope:	1.376

Error Coefficients

Standard Error:	946000
Relative Standard Error:	1.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.694161	4.0	302875.0	1.388322	Y
2	IC 480-599414/5	1.0	1.373327	4.0	304117.0	1.373327	Y
3	IC 480-599414/6	2.0	2.695963	4.0	319307.0	1.347982	Y
4	ICIS 480-599414/7	4.0	5.494403	4.0	310093.0	1.373601	Y
5	IC 480-599414/8	8.0	11.062402	4.0	306498.0	1.3828	Y
6	IC 480-599414/9	12.0	16.724473	4.0	303244.0	1.393706	Y
7	IC 480-599414/10	16.0	22.010462	4.0	303948.0	1.375654	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

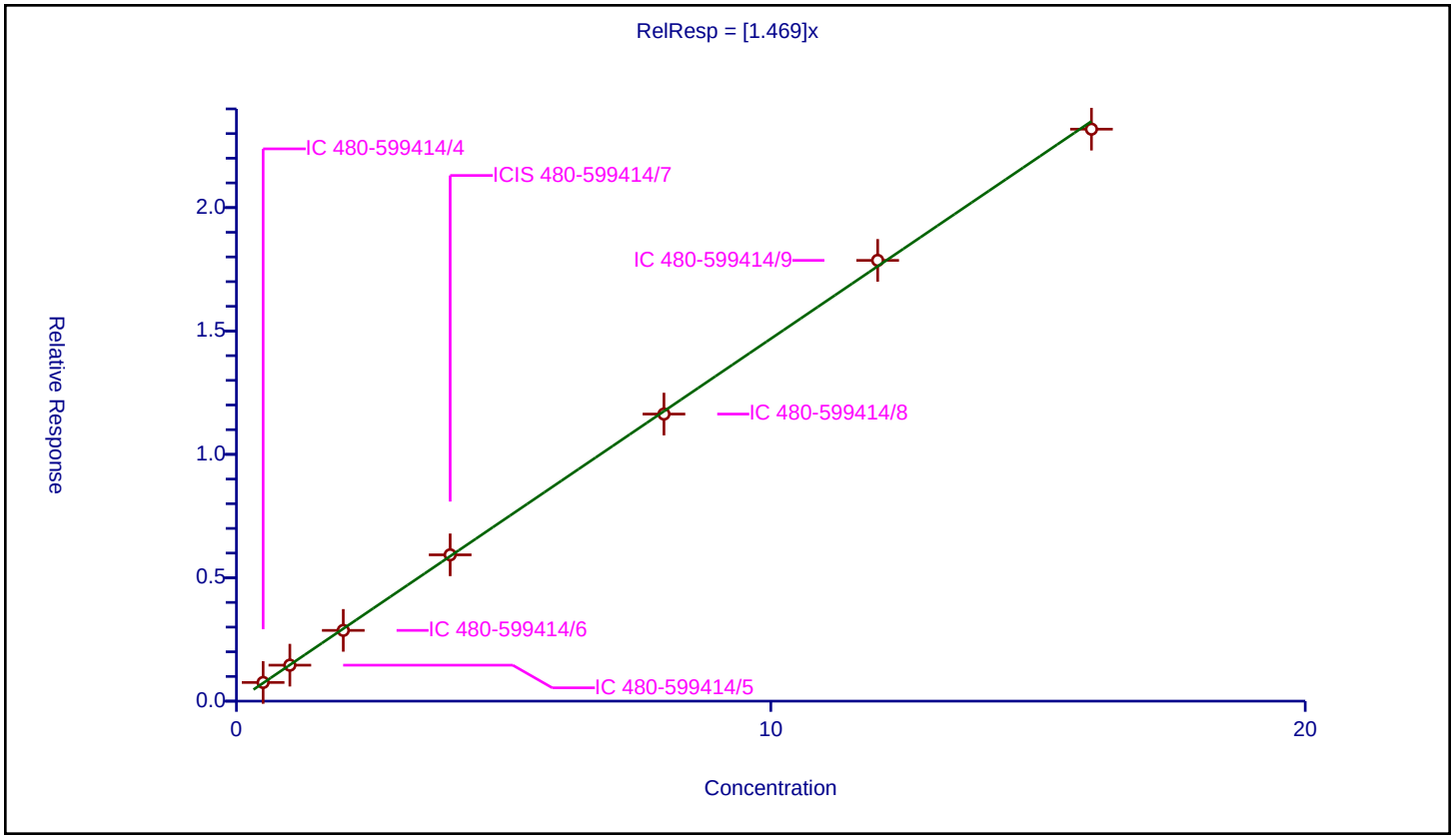
Curve Coefficients

Intercept:	0
Slope:	1.469

Error Coefficients

Standard Error:	1000000
Relative Standard Error:	1.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.757461	4.0	302875.0	1.514922	Y
2	IC 480-599414/5	1.0	1.457544	4.0	304117.0	1.457544	Y
3	IC 480-599414/6	2.0	2.867259	4.0	319307.0	1.43363	Y
4	ICIS 480-599414/7	4.0	5.929447	4.0	310093.0	1.482362	Y
5	IC 480-599414/8	8.0	11.633211	4.0	306498.0	1.454151	Y
6	IC 480-599414/9	12.0	17.861234	4.0	303244.0	1.488436	Y
7	IC 480-599414/10	16.0	23.178675	4.0	303948.0	1.448667	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

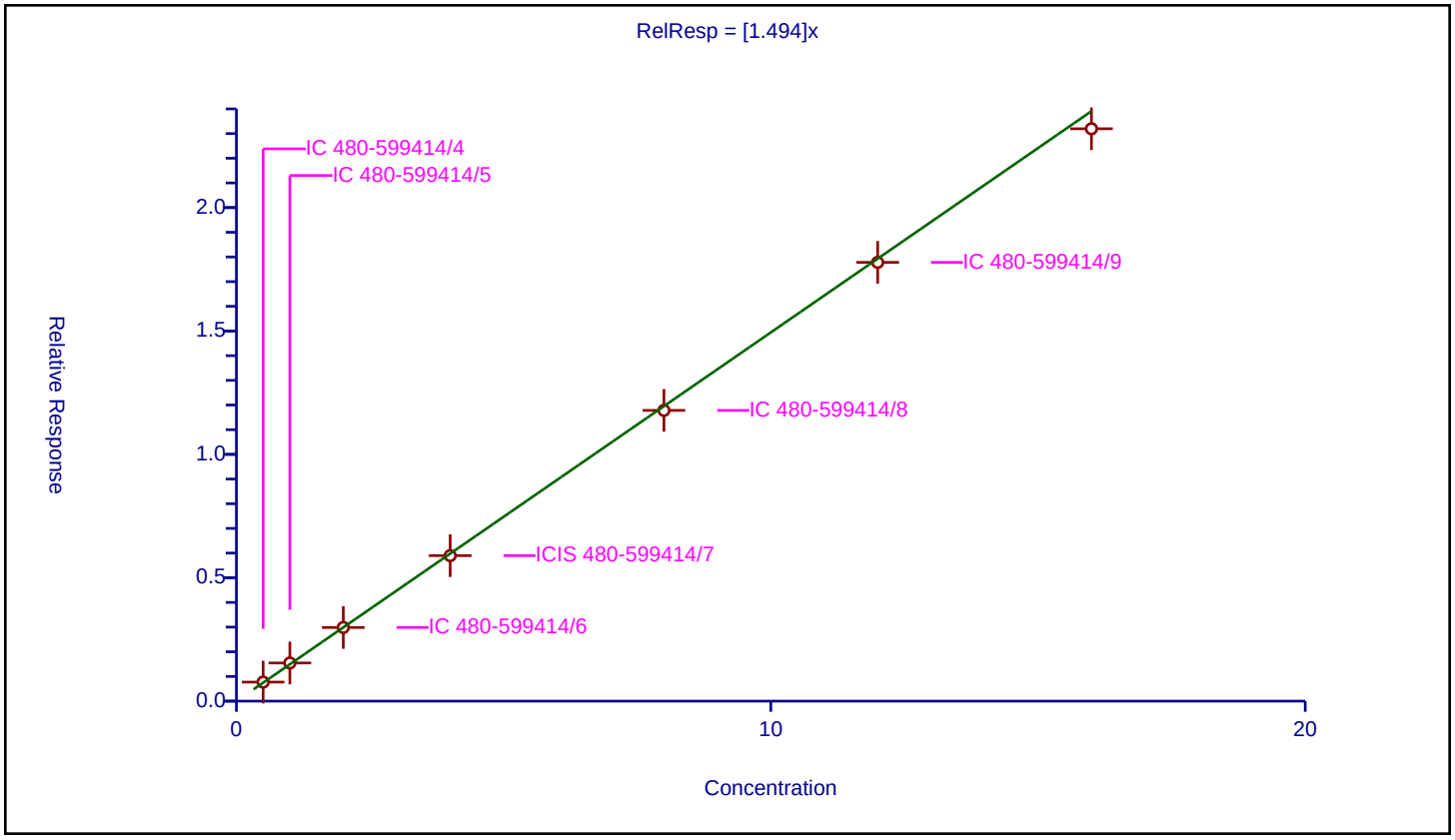
Curve Coefficients

Intercept:	0
Slope:	1.494

Error Coefficients

Standard Error:	1000000
Relative Standard Error:	2.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.770998	4.0	302875.0	1.541996	Y
2	IC 480-599414/5	1.0	1.546576	4.0	304117.0	1.546576	Y
3	IC 480-599414/6	2.0	2.984451	4.0	319307.0	1.492225	Y
4	ICIS 480-599414/7	4.0	5.896425	4.0	310093.0	1.474106	Y
5	IC 480-599414/8	8.0	11.781871	4.0	306498.0	1.472734	Y
6	IC 480-599414/9	12.0	17.78052	4.0	303244.0	1.48171	Y
7	IC 480-599414/10	16.0	23.195152	4.0	303948.0	1.449697	Y



Calibration / Benzyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

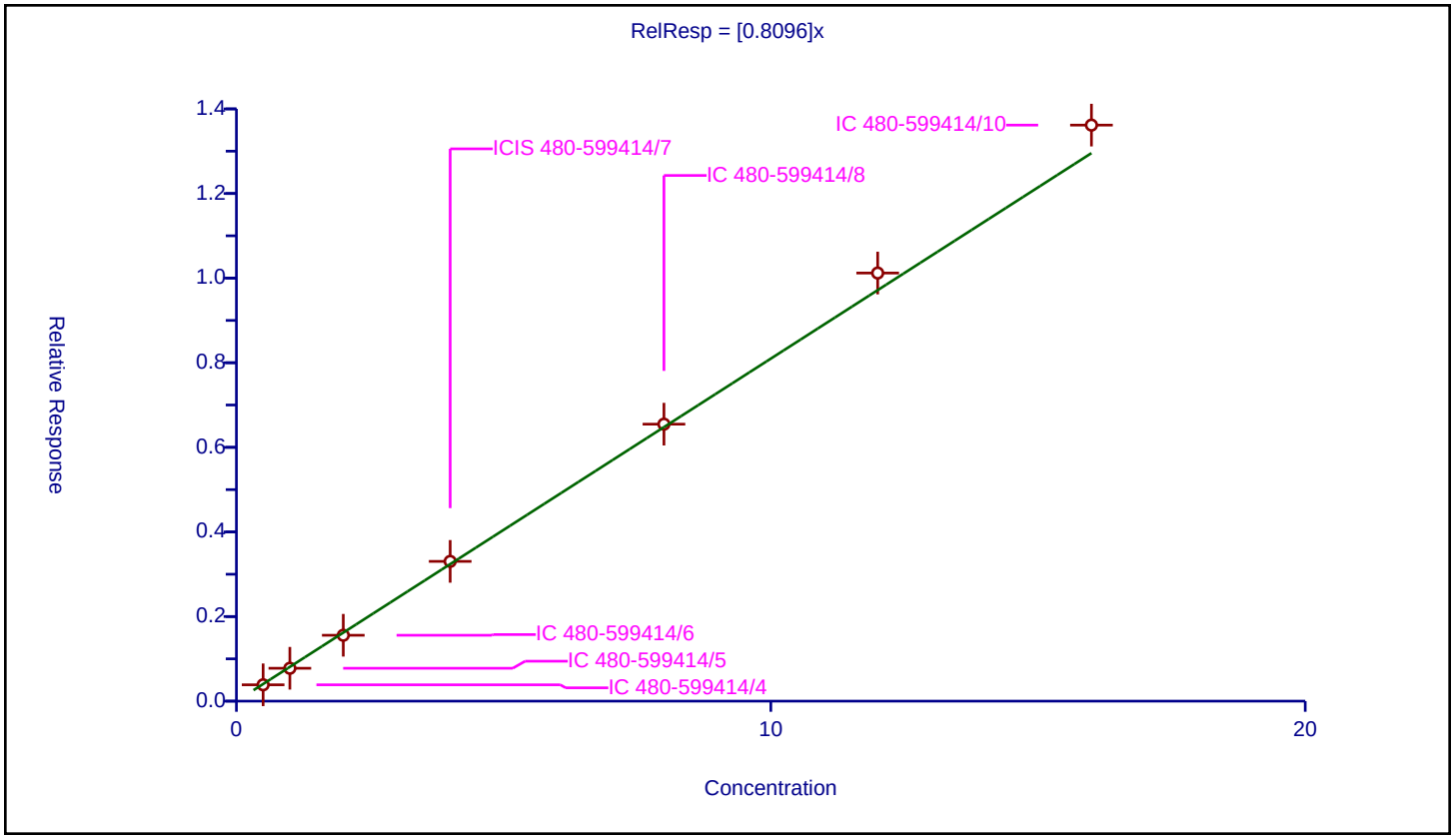
Curve Coefficients

Intercept:	0
Slope:	0.8096

Error Coefficients

Standard Error:	577000
Relative Standard Error:	4.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.386562	4.0	302875.0	0.773124	Y
2	IC 480-599414/5	1.0	0.777017	4.0	304117.0	0.777017	Y
3	IC 480-599414/6	2.0	1.557085	4.0	319307.0	0.778542	Y
4	ICIS 480-599414/7	4.0	3.303615	4.0	310093.0	0.825904	Y
5	IC 480-599414/8	8.0	6.547553	4.0	306498.0	0.818444	Y
6	IC 480-599414/9	12.0	10.119798	4.0	303244.0	0.843316	Y
7	IC 480-599414/10	16.0	13.616527	4.0	303948.0	0.851033	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

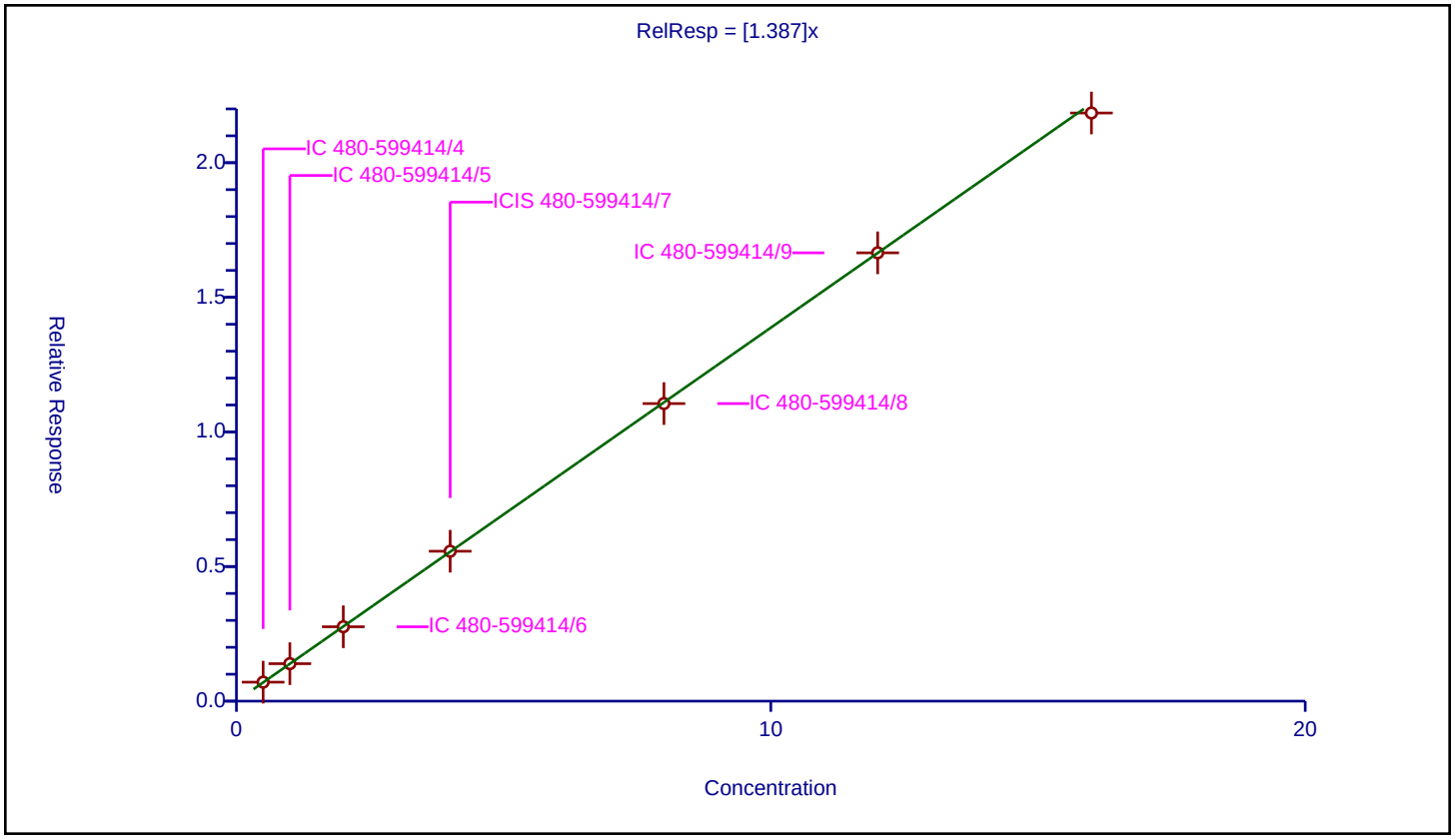
Curve Coefficients

Intercept:	0
Slope:	1.387

Error Coefficients

Standard Error:	941000
Relative Standard Error:	1.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.705374	4.0	302875.0	1.410747	Y
2	IC 480-599414/5	1.0	1.39178	4.0	304117.0	1.39178	Y
3	IC 480-599414/6	2.0	2.762307	4.0	319307.0	1.381154	Y
4	ICIS 480-599414/7	4.0	5.568781	4.0	310093.0	1.392195	Y
5	IC 480-599414/8	8.0	11.053606	4.0	306498.0	1.381701	Y
6	IC 480-599414/9	12.0	16.653744	4.0	303244.0	1.387812	Y
7	IC 480-599414/10	16.0	21.848106	4.0	303948.0	1.365507	Y



Calibration / 2-Methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

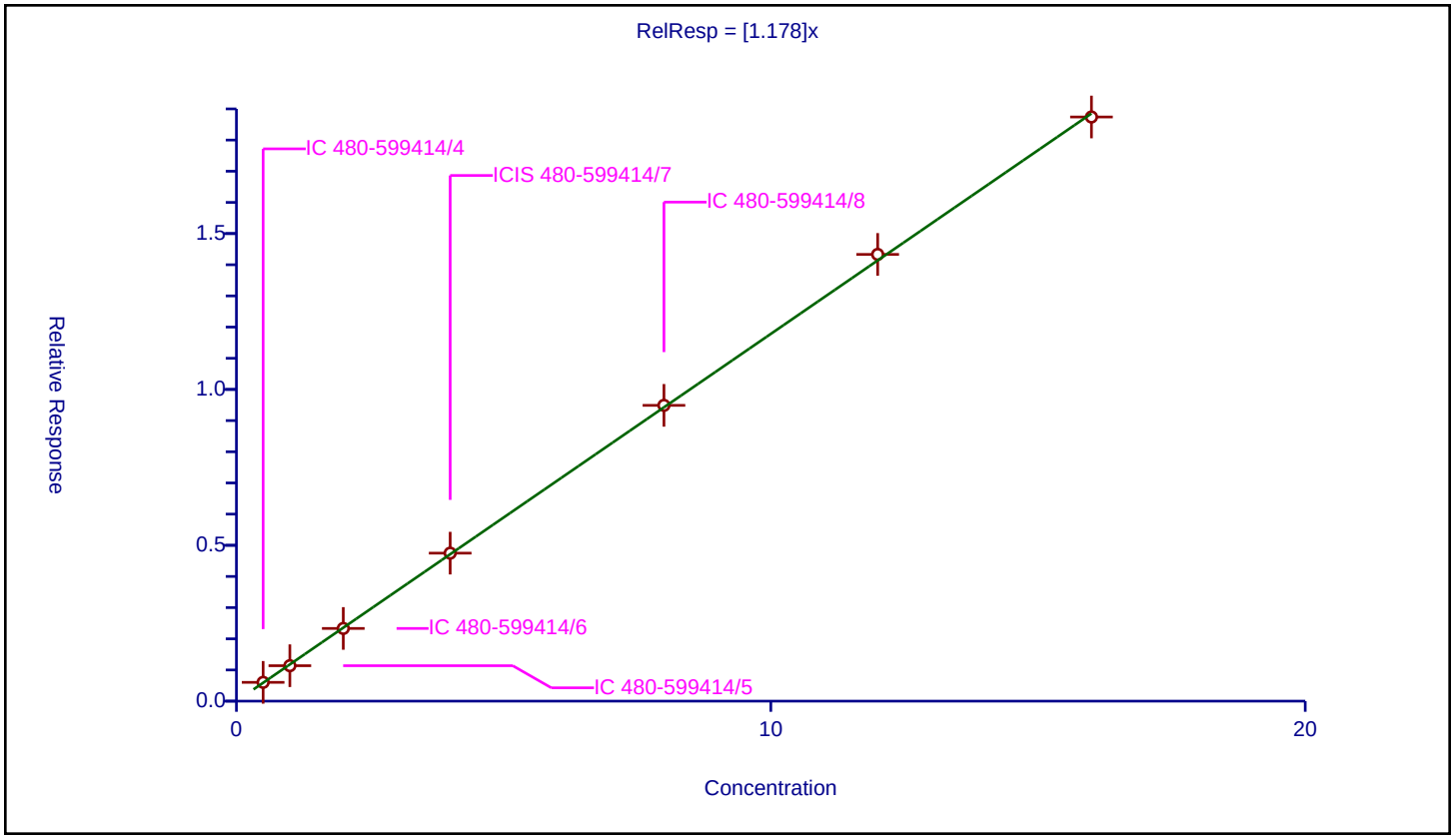
Curve Coefficients

Intercept:	0
Slope:	1.178

Error Coefficients

Standard Error:	808000
Relative Standard Error:	1.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.603061	4.0	302875.0	1.206121	Y
2	IC 480-599414/5	1.0	1.136471	4.0	304117.0	1.136471	Y
3	IC 480-599414/6	2.0	2.332501	4.0	319307.0	1.166251	Y
4	ICIS 480-599414/7	4.0	4.747402	4.0	310093.0	1.18685	Y
5	IC 480-599414/8	8.0	9.48938	4.0	306498.0	1.186173	Y
6	IC 480-599414/9	12.0	14.330941	4.0	303244.0	1.194245	Y
7	IC 480-599414/10	16.0	18.740113	4.0	303948.0	1.171257	Y



Calibration / 2,2'-oxybis[1-chloropropane]

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

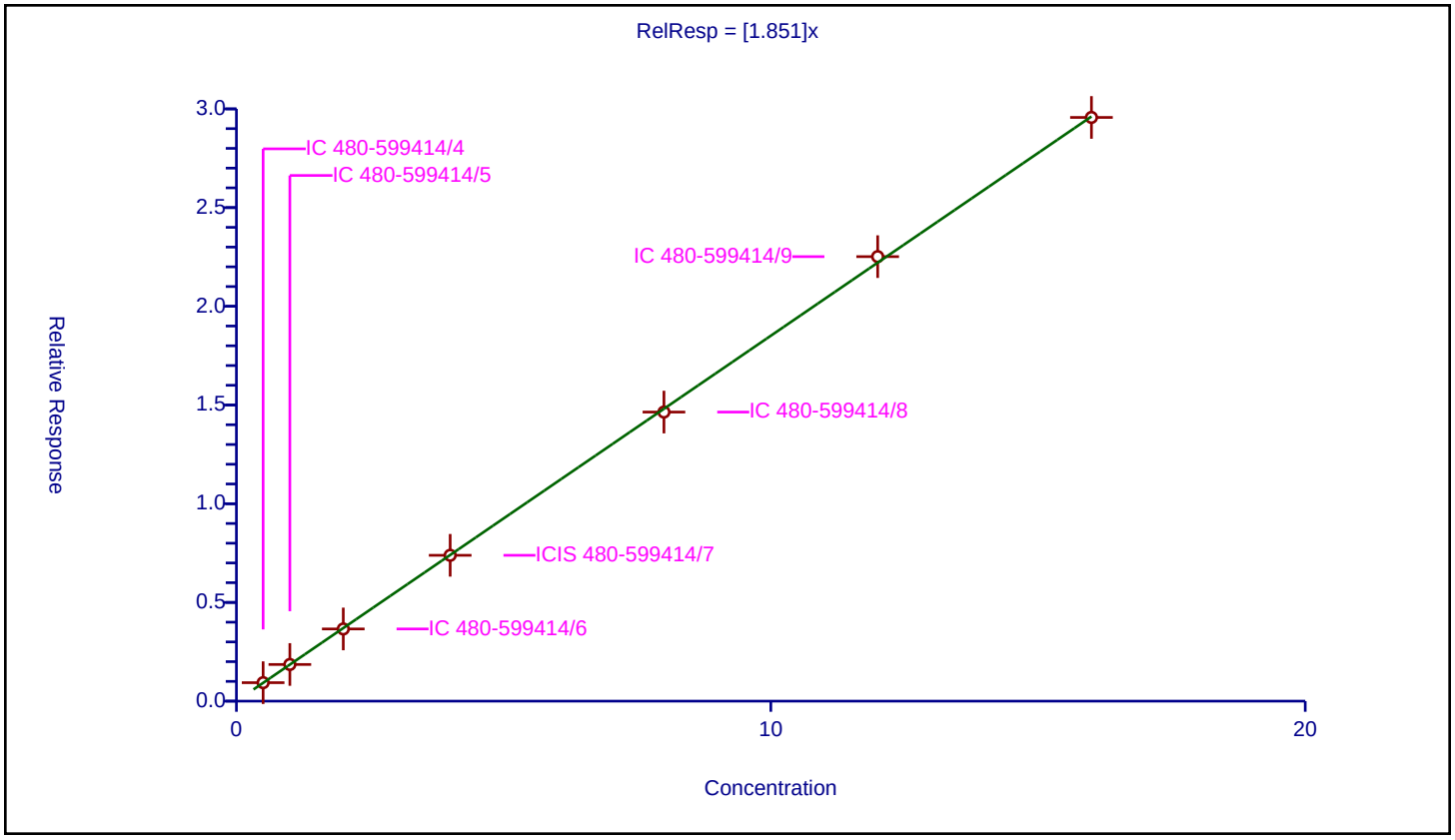
Curve Coefficients

Intercept:	0
Slope:	1.851

Error Coefficients

Standard Error:	1270000
Relative Standard Error:	1.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.935026	4.0	302875.0	1.870052	Y
2	IC 480-599414/5	1.0	1.856562	4.0	304117.0	1.856562	Y
3	IC 480-599414/6	2.0	3.656556	4.0	319307.0	1.828278	Y
4	ICIS 480-599414/7	4.0	7.387332	4.0	310093.0	1.846833	Y
5	IC 480-599414/8	8.0	14.643345	4.0	306498.0	1.830418	Y
6	IC 480-599414/9	12.0	22.516798	4.0	303244.0	1.8764	Y
7	IC 480-599414/10	16.0	29.566452	4.0	303948.0	1.847903	Y



Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

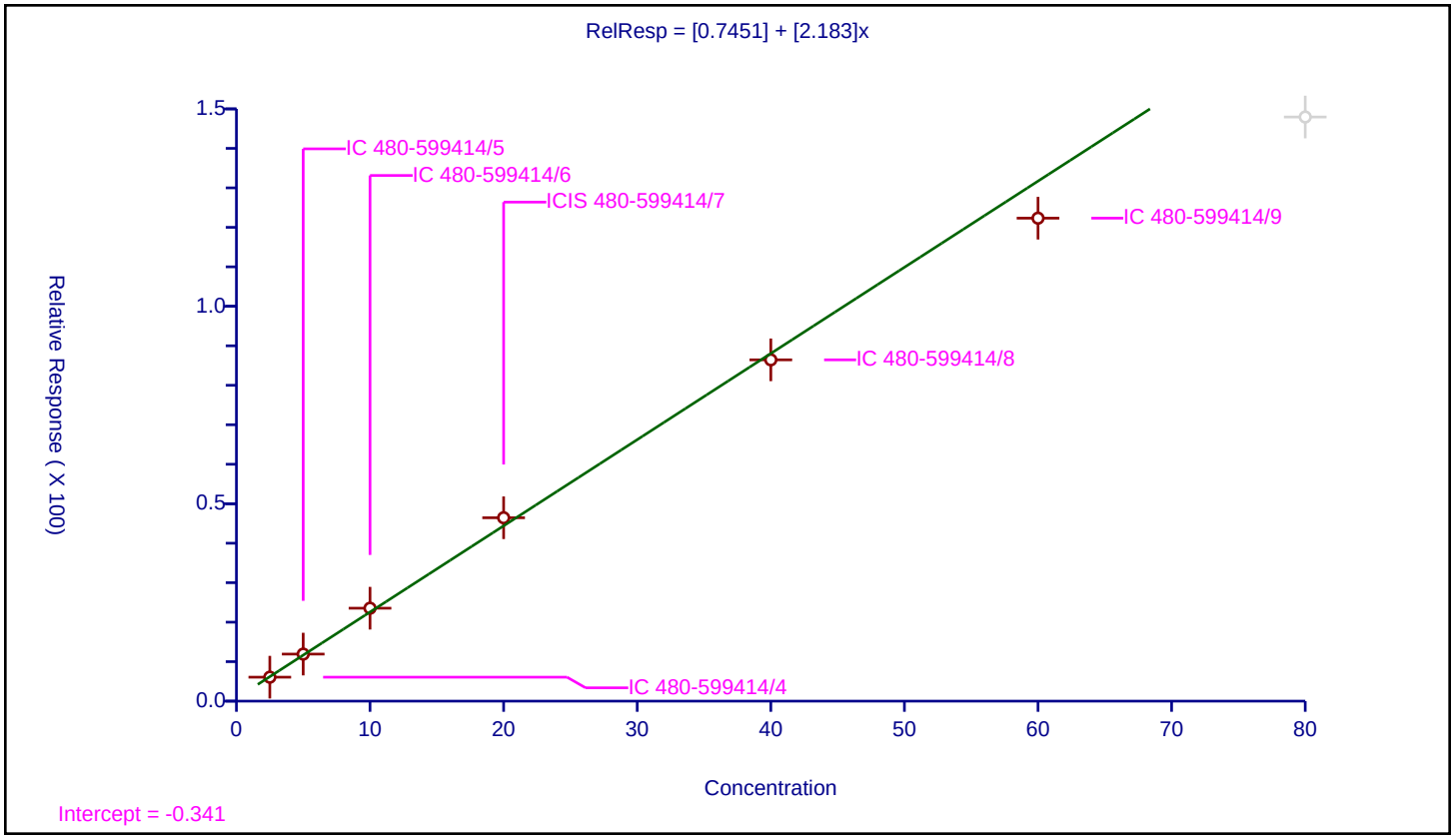
Curve Coefficients

Intercept:	0.7451
Slope:	2.183

Error Coefficients

Standard Error:	6070000
Relative Standard Error:	5.2
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	2.5	6.068193	4.0	302875.0	2.427277	Y
2	IC 480-599414/5	5.0	11.913612	4.0	304117.0	2.382722	Y
3	IC 480-599414/6	10.0	23.536659	4.0	319307.0	2.353666	Y
4	ICIS 480-599414/7	20.0	46.447485	4.0	310093.0	2.322374	Y
5	IC 480-599414/8	40.0	86.443631	4.0	306498.0	2.161091	Y
6	IC 480-599414/9	60.0	122.321576	4.0	303244.0	2.038693	Y
7	IC 480-599414/10	80.0	147.944793	4.0	303948.0	1.84931	N



Calibration / 4-Methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

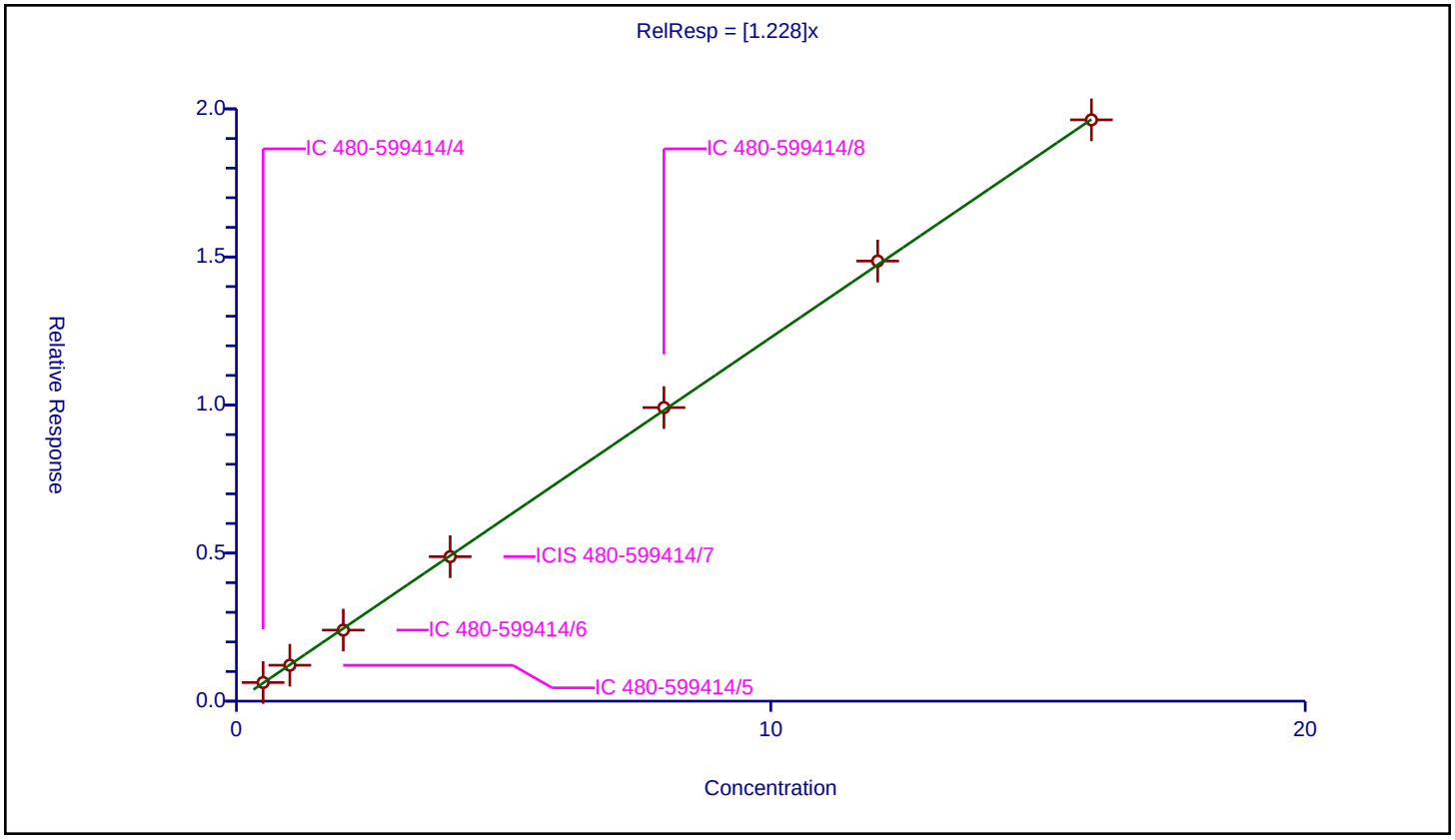
Curve Coefficients

Intercept:	0
Slope:	1.228

Error Coefficients

Standard Error:	843000
Relative Standard Error:	1.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.628999	4.0	302875.0	1.257998	Y
2	IC 480-599414/5	1.0	1.213152	4.0	304117.0	1.213152	Y
3	IC 480-599414/6	2.0	2.399446	4.0	319307.0	1.199723	Y
4	ICIS 480-599414/7	4.0	4.879065	4.0	310093.0	1.219766	Y
5	IC 480-599414/8	8.0	9.912991	4.0	306498.0	1.239124	Y
6	IC 480-599414/9	12.0	14.861247	4.0	303244.0	1.238437	Y
7	IC 480-599414/10	16.0	19.630055	4.0	303948.0	1.226878	Y



Calibration / N-Nitrosodi-n-propylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

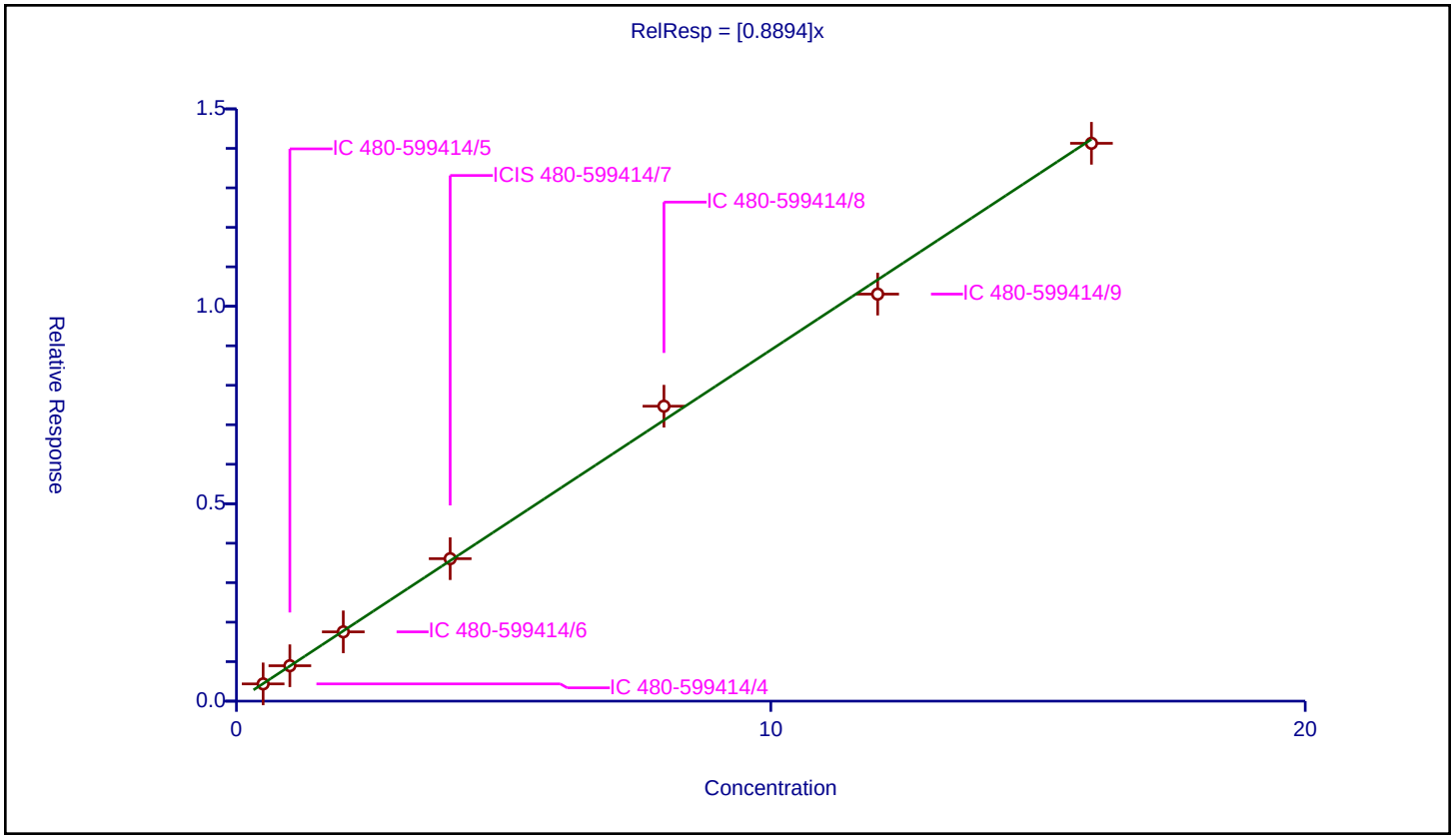
Curve Coefficients

Intercept:	0
Slope:	0.8894

Error Coefficients

Standard Error:	605000
Relative Standard Error:	2.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.436576	4.0	302875.0	0.873152	Y
2	IC 480-599414/5	1.0	0.896997	4.0	304117.0	0.896997	Y
3	IC 480-599414/6	2.0	1.755138	4.0	319307.0	0.877569	Y
4	ICIS 480-599414/7	4.0	3.608027	4.0	310093.0	0.902007	Y
5	IC 480-599414/8	8.0	7.47047	4.0	306498.0	0.933809	Y
6	IC 480-599414/9	12.0	10.309018	4.0	303244.0	0.859085	Y
7	IC 480-599414/10	16.0	14.128693	4.0	303948.0	0.883043	Y



Calibration / Acetophenone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

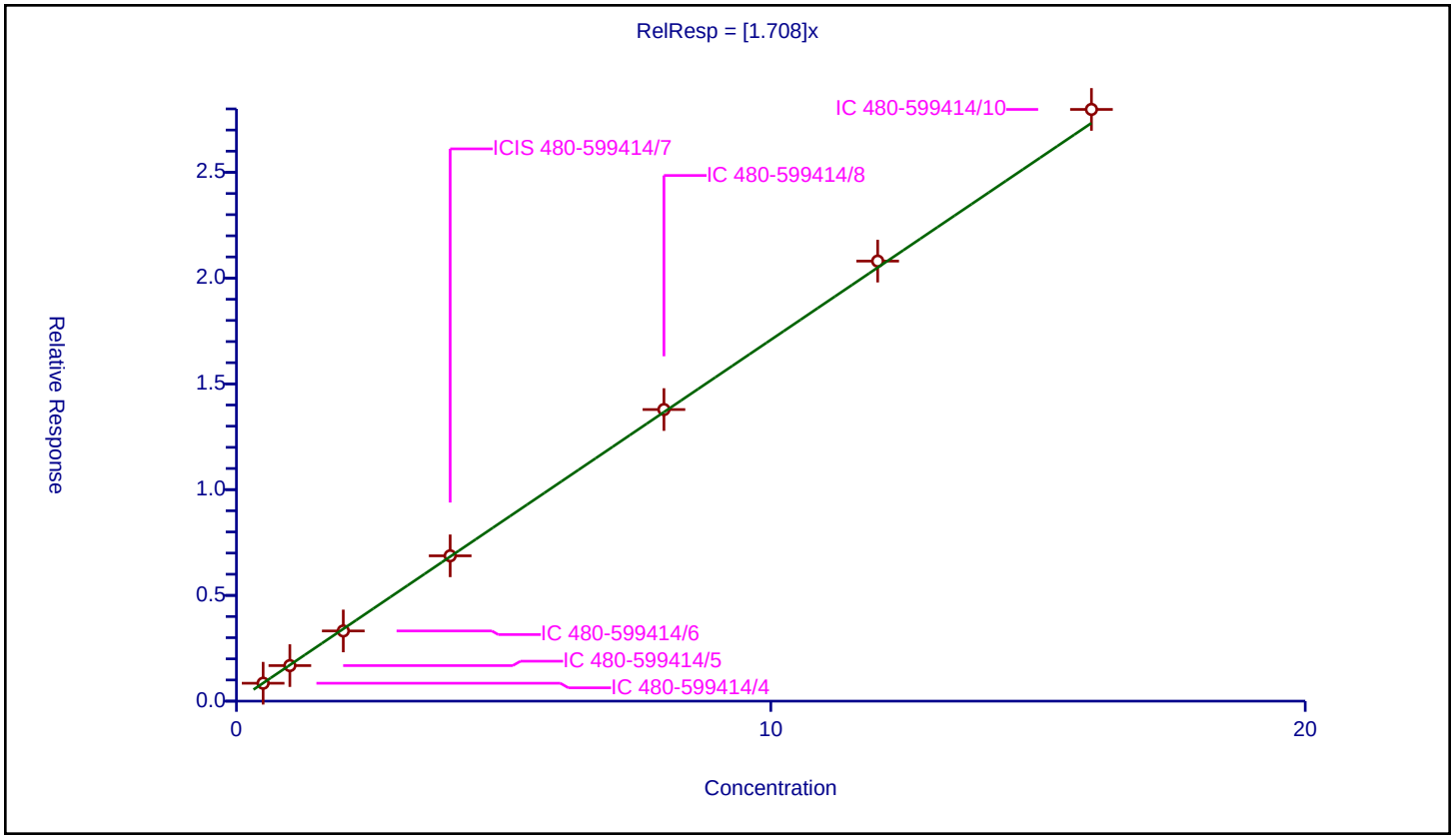
Curve Coefficients

Intercept:	0
Slope:	1.708

Error Coefficients

Standard Error:	1190000
Relative Standard Error:	1.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.847333	4.0	302875.0	1.694666	Y
2	IC 480-599414/5	1.0	1.679972	4.0	304117.0	1.679972	Y
3	IC 480-599414/6	2.0	3.318762	4.0	319307.0	1.659381	Y
4	ICIS 480-599414/7	4.0	6.870352	4.0	310093.0	1.717588	Y
5	IC 480-599414/8	8.0	13.786217	4.0	306498.0	1.723277	Y
6	IC 480-599414/9	12.0	20.803577	4.0	303244.0	1.733631	Y
7	IC 480-599414/10	16.0	27.974311	4.0	303948.0	1.748394	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

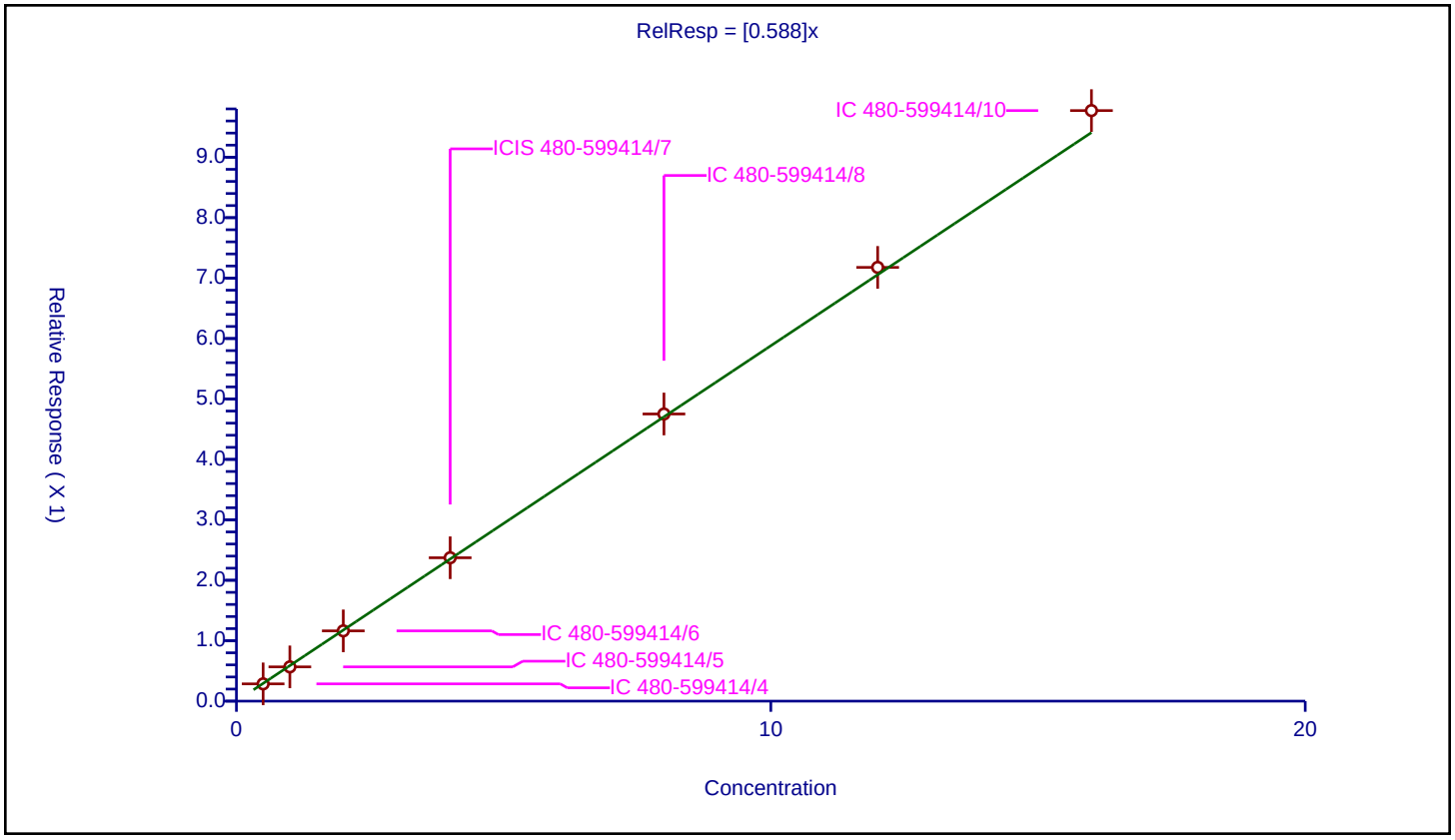
Curve Coefficients

Intercept:	0
Slope:	0.588

Error Coefficients

Standard Error:	413000
Relative Standard Error:	2.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.285993	4.0	302875.0	0.571985	Y
2	IC 480-599414/5	1.0	0.566821	4.0	304117.0	0.566821	Y
3	IC 480-599414/6	2.0	1.162956	4.0	319307.0	0.581478	Y
4	ICIS 480-599414/7	4.0	2.372759	4.0	310093.0	0.59319	Y
5	IC 480-599414/8	8.0	4.75147	4.0	306498.0	0.593934	Y
6	IC 480-599414/9	12.0	7.177375	4.0	303244.0	0.598115	Y
7	IC 480-599414/10	16.0	9.771922	4.0	303948.0	0.610745	Y



Calibration / Nitrobenzene-d5

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

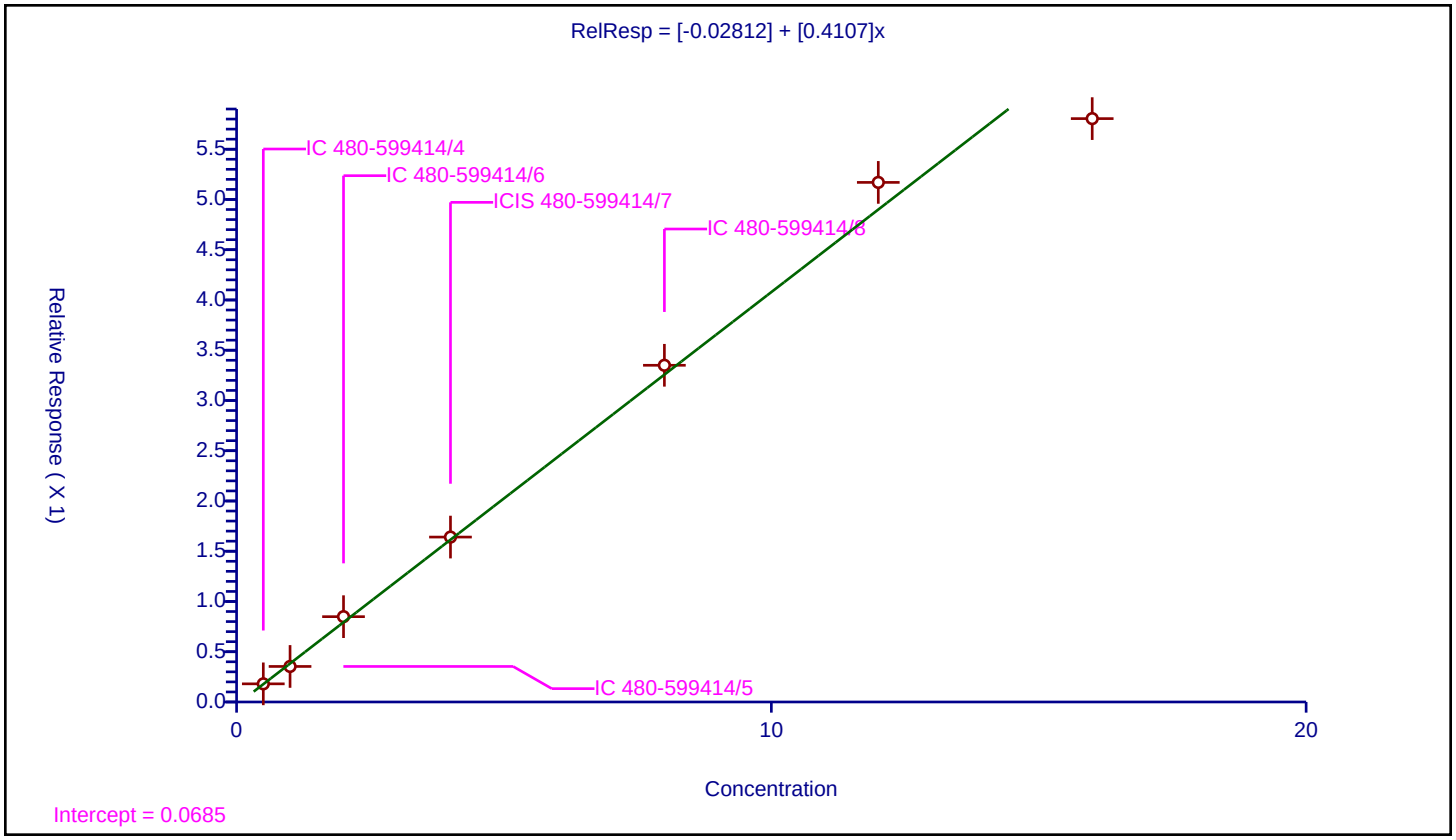
Curve Coefficients

Intercept:	-0.02812
Slope:	0.4107

Error Coefficients

Standard Error:	1090000
Relative Standard Error:	7.3
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.180436	4.0	1117448.0	0.360872	Y
2	IC 480-599414/5	1.0	0.353556	4.0	1128739.0	0.353556	Y
3	IC 480-599414/6	2.0	0.848996	4.0	1141103.0	0.424498	Y
4	ICIS 480-599414/7	4.0	1.640853	4.0	1148483.0	0.410213	Y
5	IC 480-599414/8	8.0	3.350162	4.0	1137926.0	0.41877	Y
6	IC 480-599414/9	12.0	5.169717	4.0	1107194.0	0.43081	Y
7	IC 480-599414/10	16.0	5.804356	4.0	1124308.0	0.362772	Y



Calibration / Nitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

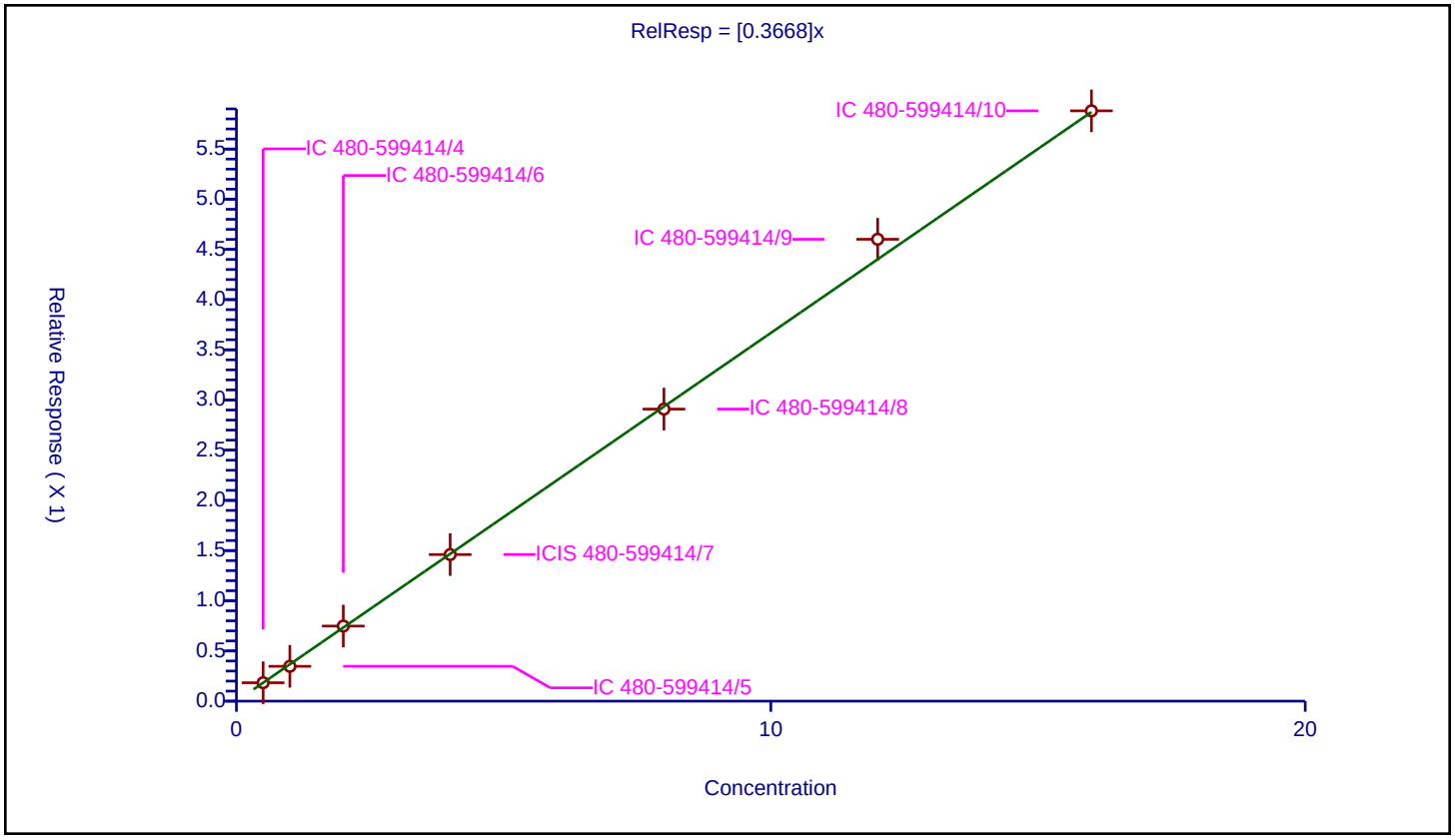
Curve Coefficients

Intercept:	0
Slope:	0.3668

Error Coefficients

Standard Error:	937000
Relative Standard Error:	3.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.1835	4.0	1117448.0	0.367001	Y
2	IC 480-599414/5	1.0	0.346911	4.0	1128739.0	0.346911	Y
3	IC 480-599414/6	2.0	0.74788	4.0	1141103.0	0.37394	Y
4	ICIS 480-599414/7	4.0	1.460218	4.0	1148483.0	0.365055	Y
5	IC 480-599414/8	8.0	2.909423	4.0	1137926.0	0.363678	Y
6	IC 480-599414/9	12.0	4.601318	4.0	1107194.0	0.383443	Y
7	IC 480-599414/10	16.0	5.880695	4.0	1124308.0	0.367543	Y



Calibration / Isophorone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

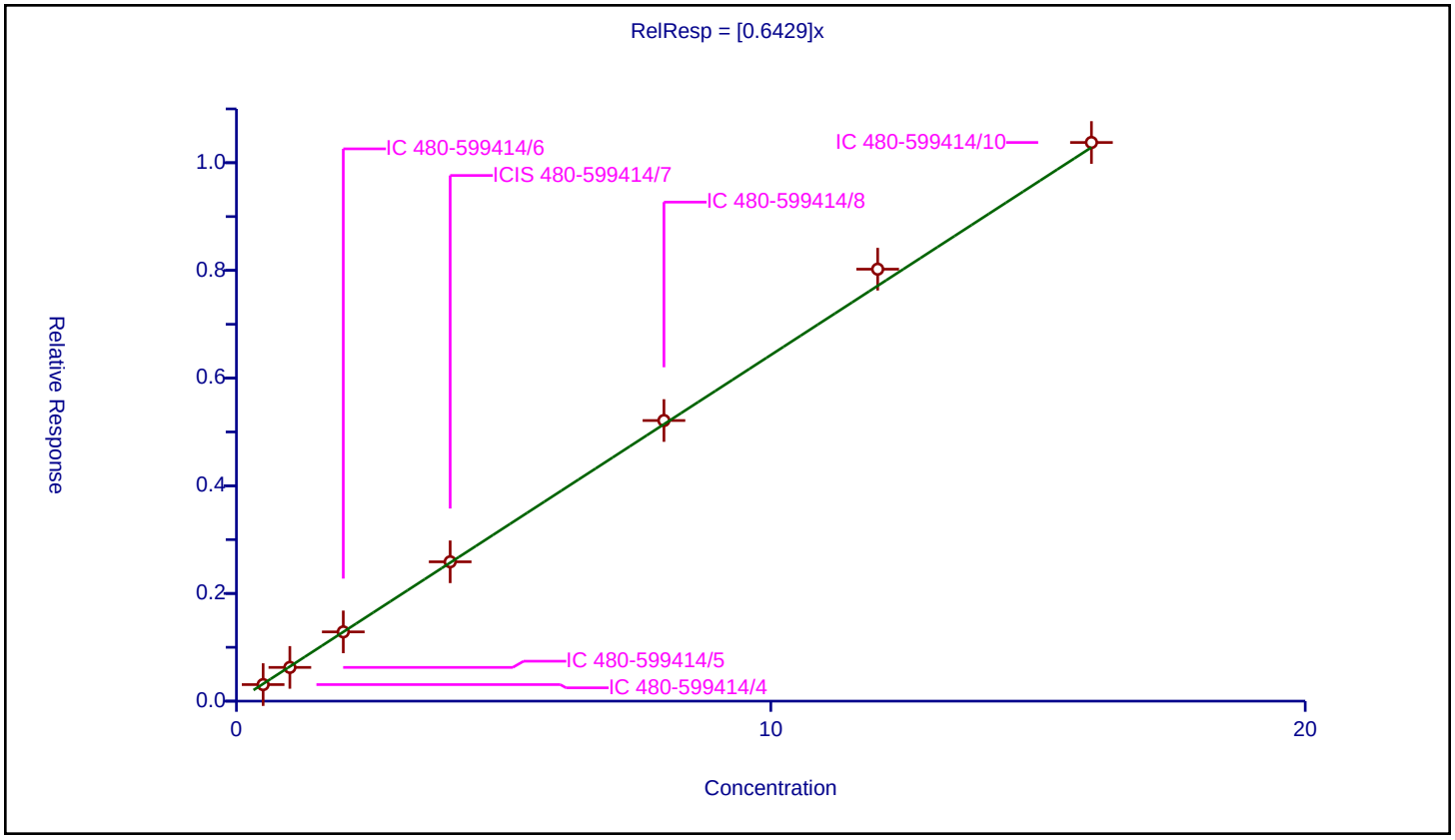
Curve Coefficients

Intercept:	0
Slope:	0.6429

Error Coefficients

Standard Error:	1650000
Relative Standard Error:	2.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.307311	4.0	1117448.0	0.614622	Y
2	IC 480-599414/5	1.0	0.62676	4.0	1128739.0	0.62676	Y
3	IC 480-599414/6	2.0	1.286201	4.0	1141103.0	0.643101	Y
4	ICIS 480-599414/7	4.0	2.587747	4.0	1148483.0	0.646937	Y
5	IC 480-599414/8	8.0	5.212269	4.0	1137926.0	0.651534	Y
6	IC 480-599414/9	12.0	8.022757	4.0	1107194.0	0.668563	Y
7	IC 480-599414/10	16.0	10.37626	4.0	1124308.0	0.648516	Y



Calibration / 2-Nitrophenol

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

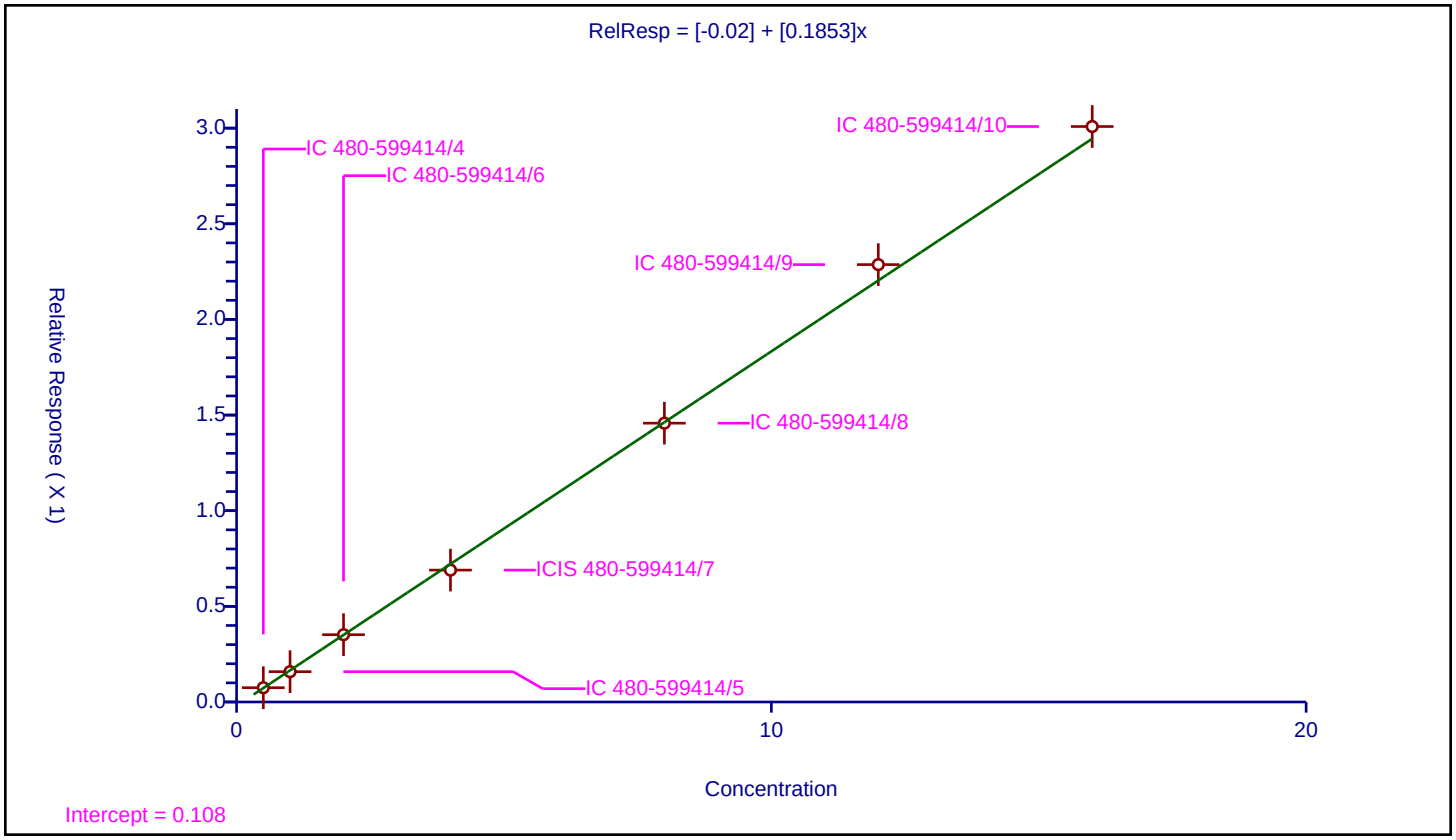
Curve Coefficients

Intercept:	-0.02
Slope:	0.1853

Error Coefficients

Standard Error:	518000
Relative Standard Error:	3.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.074602	4.0	1117448.0	0.149204	Y
2	IC 480-599414/5	1.0	0.1584	4.0	1128739.0	0.1584	Y
3	IC 480-599414/6	2.0	0.351737	4.0	1141103.0	0.175868	Y
4	ICIS 480-599414/7	4.0	0.689435	4.0	1148483.0	0.172359	Y
5	IC 480-599414/8	8.0	1.457546	4.0	1137926.0	0.182193	Y
6	IC 480-599414/9	12.0	2.286504	4.0	1107194.0	0.190542	Y
7	IC 480-599414/10	16.0	3.008539	4.0	1124308.0	0.188034	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

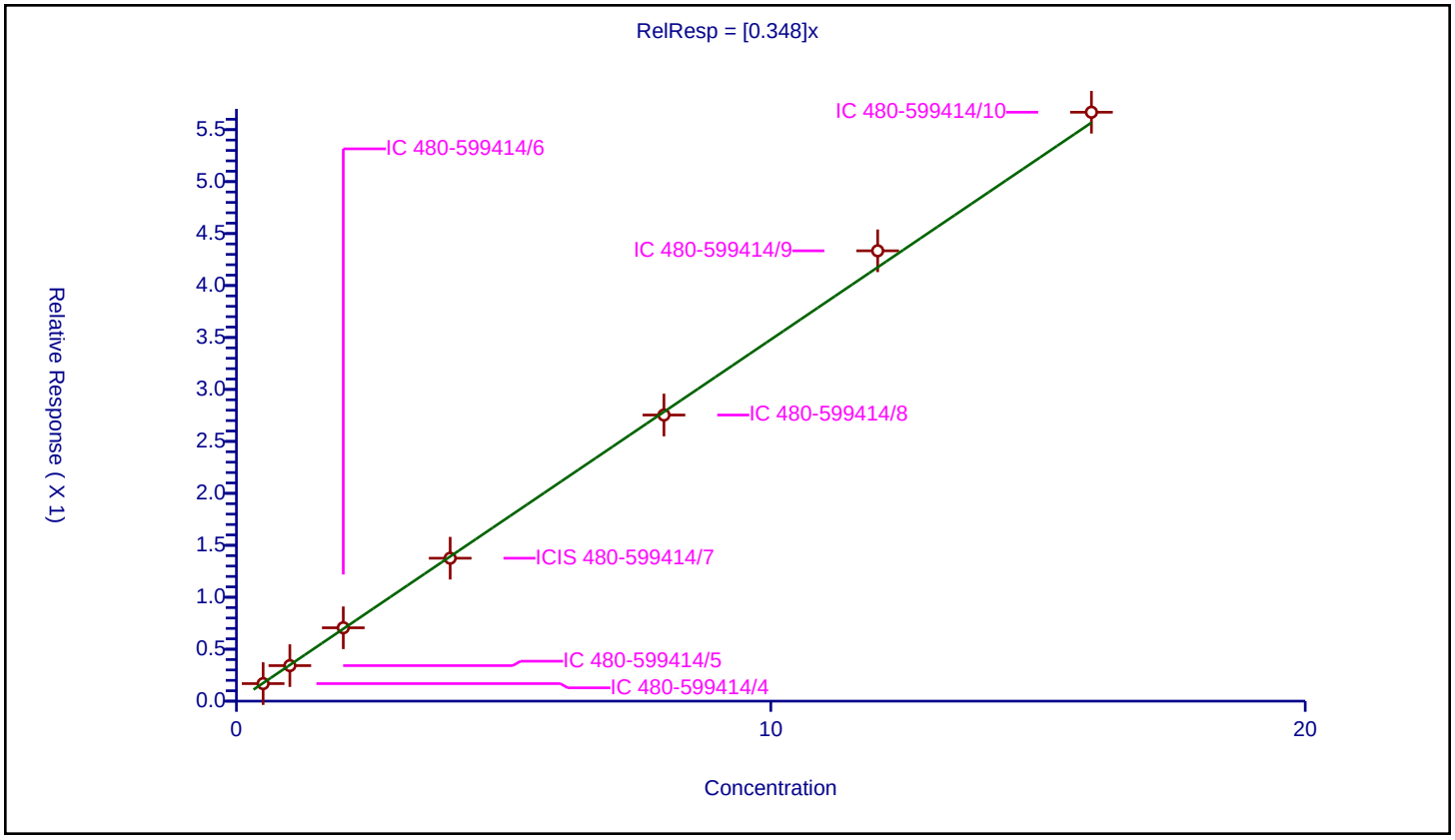
Curve Coefficients

Intercept:	0
Slope:	0.348

Error Coefficients

Standard Error:	894000
Relative Standard Error:	2.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.16872	4.0	1117448.0	0.33744	Y
2	IC 480-599414/5	1.0	0.341833	4.0	1128739.0	0.341833	Y
3	IC 480-599414/6	2.0	0.706012	4.0	1141103.0	0.353006	Y
4	ICIS 480-599414/7	4.0	1.375689	4.0	1148483.0	0.343922	Y
5	IC 480-599414/8	8.0	2.753715	4.0	1137926.0	0.344214	Y
6	IC 480-599414/9	12.0	4.334131	4.0	1107194.0	0.361178	Y
7	IC 480-599414/10	16.0	5.667899	4.0	1124308.0	0.354244	Y



Calibration / Benzoic acid

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

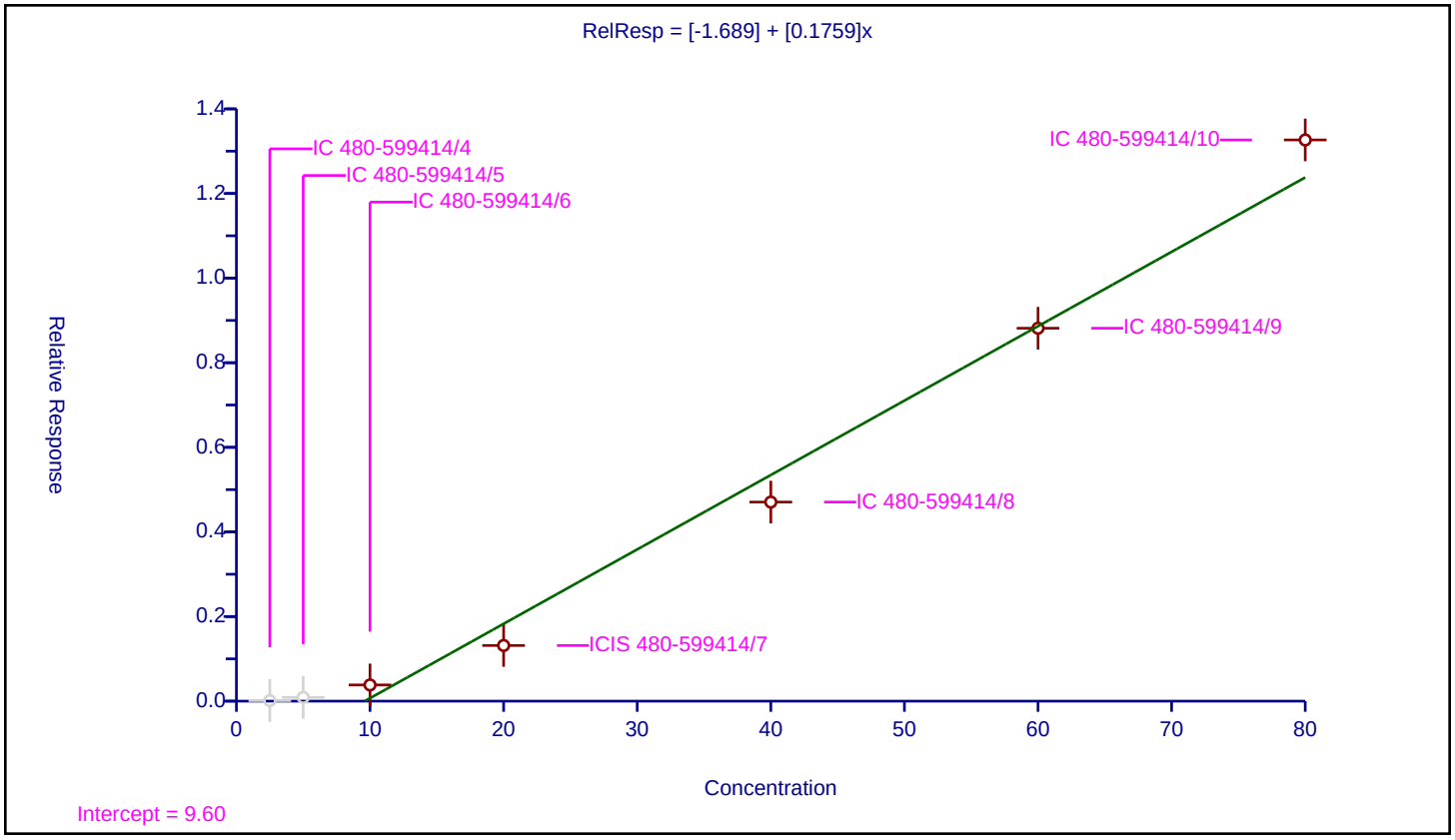
Curve Coefficients

Intercept:	-1.689
Slope:	0.1759

Error Coefficients

Standard Error:	2700000
Relative Standard Error:	14.7
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	2.5	0.01308	4.0	1117448.0	0.005232	N
2	IC 480-599414/5	5.0	0.08802	4.0	1128739.0	0.017604	N
3	IC 480-599414/6	10.0	0.383177	4.0	1141103.0	0.038318	Y
4	ICIS 480-599414/7	20.0	1.315736	4.0	1148483.0	0.065787	Y
5	IC 480-599414/8	40.0	4.705972	4.0	1137926.0	0.117649	Y
6	IC 480-599414/9	60.0	8.81499	4.0	1107194.0	0.146916	Y
7	IC 480-599414/10	80.0	13.266137	4.0	1124308.0	0.165827	Y



Calibration / Bis(2-chloroethoxy)methane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

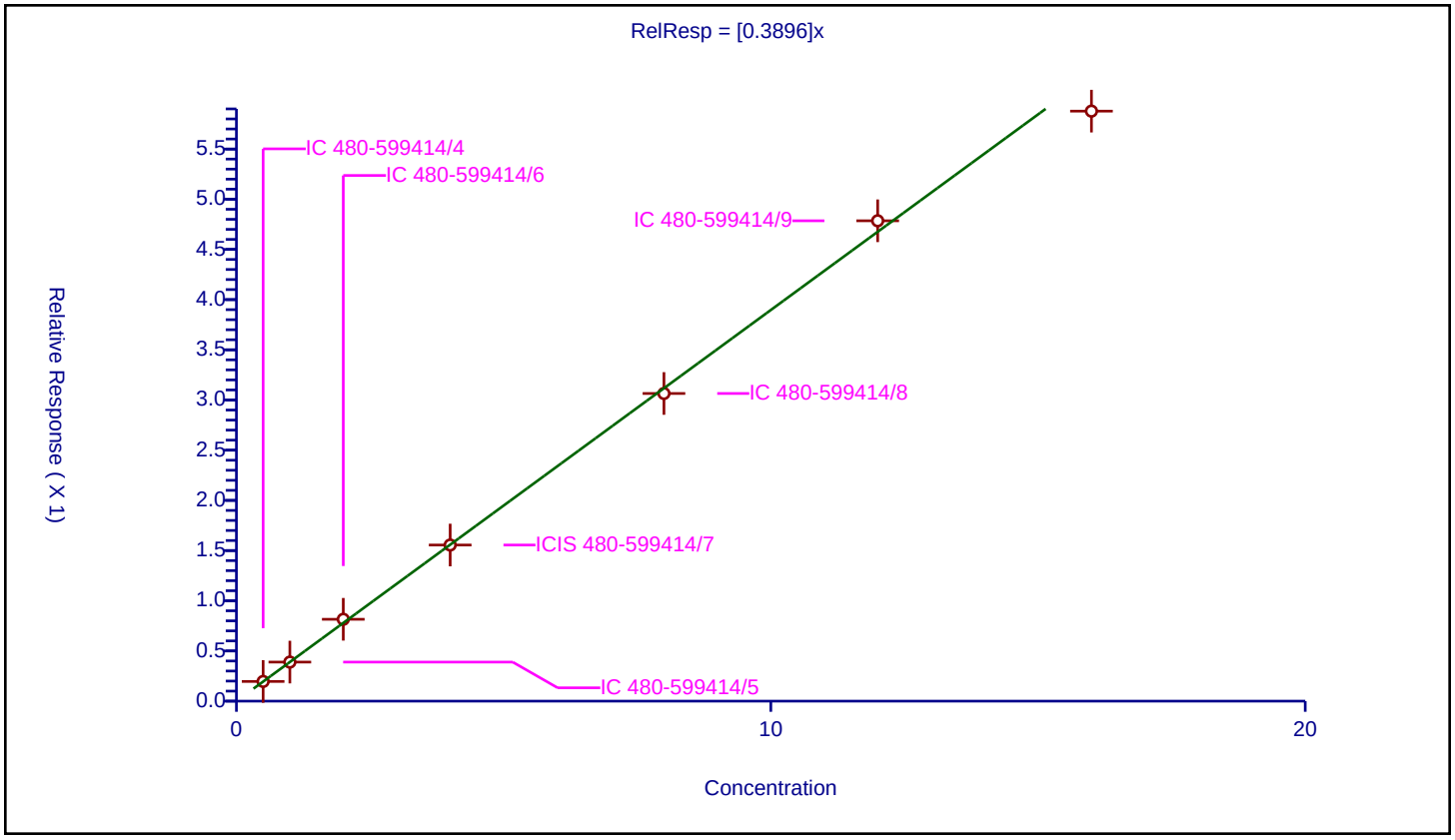
Curve Coefficients

Intercept:	0
Slope:	0.3896

Error Coefficients

Standard Error:	959000
Relative Standard Error:	3.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.196315	4.0	1117448.0	0.39263	Y
2	IC 480-599414/5	1.0	0.389	4.0	1128739.0	0.389	Y
3	IC 480-599414/6	2.0	0.815541	4.0	1141103.0	0.40777	Y
4	ICIS 480-599414/7	4.0	1.555165	4.0	1148483.0	0.388791	Y
5	IC 480-599414/8	8.0	3.065064	4.0	1137926.0	0.383133	Y
6	IC 480-599414/9	12.0	4.785319	4.0	1107194.0	0.398777	Y
7	IC 480-599414/10	16.0	5.877685	4.0	1124308.0	0.367355	Y



Calibration / 2,4-Dichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

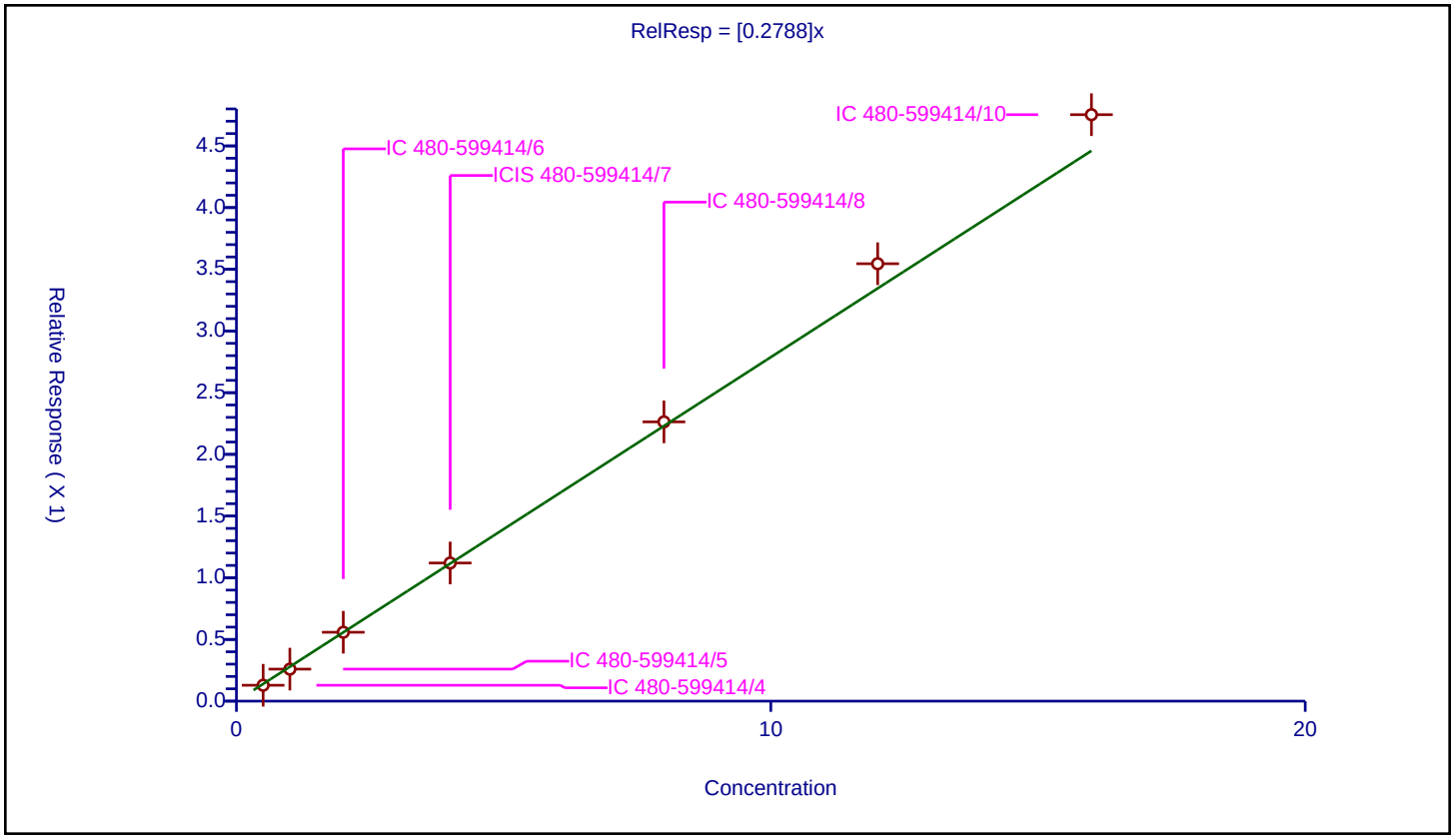
Curve Coefficients

Intercept:	0
Slope:	0.2788

Error Coefficients

Standard Error:	741000
Relative Standard Error:	5.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.128704	4.0	1117448.0	0.257408	Y
2	IC 480-599414/5	1.0	0.259592	4.0	1128739.0	0.259592	Y
3	IC 480-599414/6	2.0	0.558239	4.0	1141103.0	0.279119	Y
4	ICIS 480-599414/7	4.0	1.119515	4.0	1148483.0	0.279879	Y
5	IC 480-599414/8	8.0	2.263423	4.0	1137926.0	0.282928	Y
6	IC 480-599414/9	12.0	3.54512	4.0	1107194.0	0.295427	Y
7	IC 480-599414/10	16.0	4.753153	4.0	1124308.0	0.297072	Y



Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

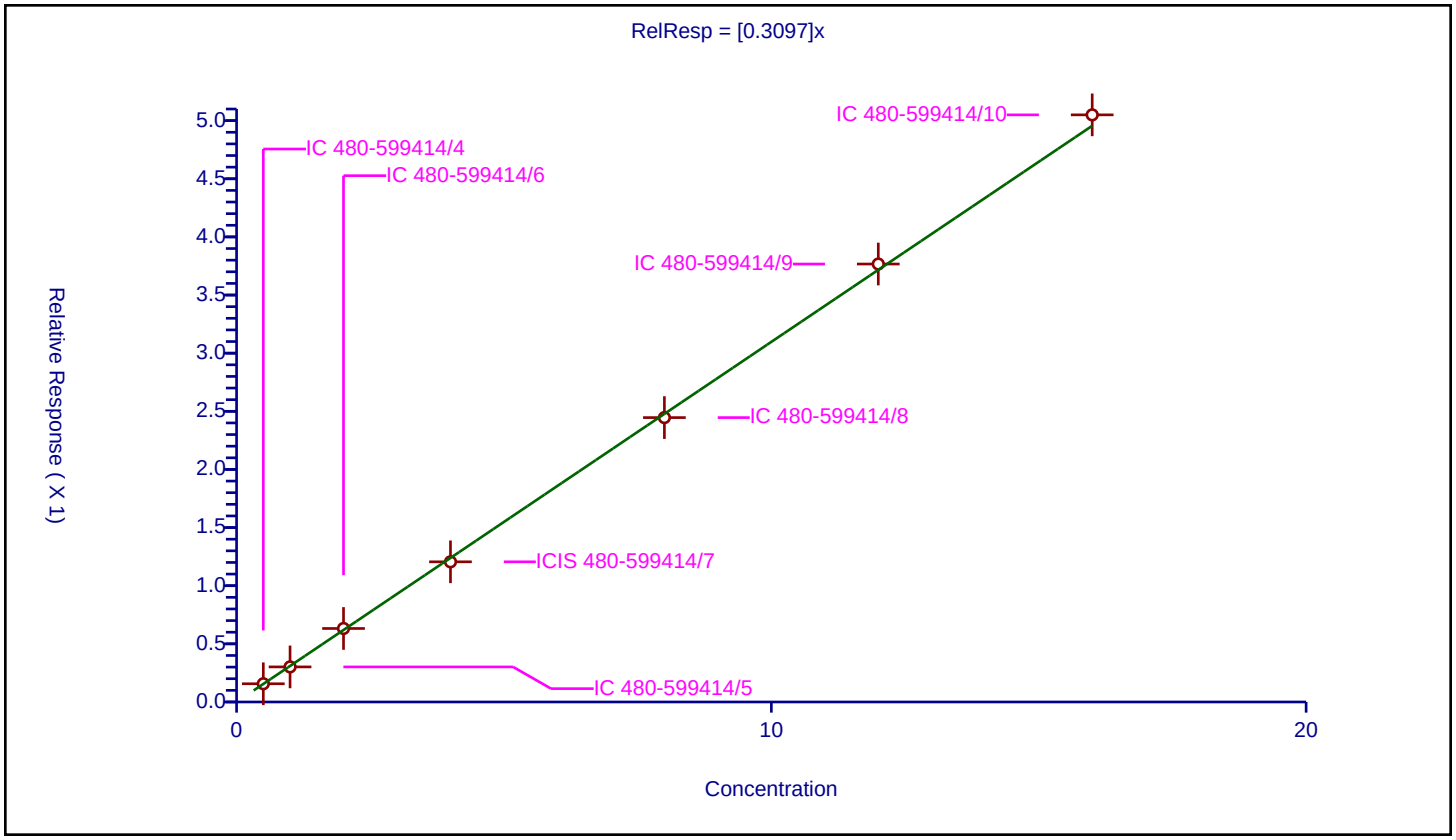
Curve Coefficients

Intercept:	0
Slope:	0.3097

Error Coefficients

Standard Error:	790000
Relative Standard Error:	2.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.15684	4.0	1117448.0	0.313679	Y
2	IC 480-599414/5	1.0	0.301604	4.0	1128739.0	0.301604	Y
3	IC 480-599414/6	2.0	0.632241	4.0	1141103.0	0.31612	Y
4	ICIS 480-599414/7	4.0	1.205531	4.0	1148483.0	0.301383	Y
5	IC 480-599414/8	8.0	2.445994	4.0	1137926.0	0.305749	Y
6	IC 480-599414/9	12.0	3.76682	4.0	1107194.0	0.313902	Y
7	IC 480-599414/10	16.0	5.049684	4.0	1124308.0	0.315605	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

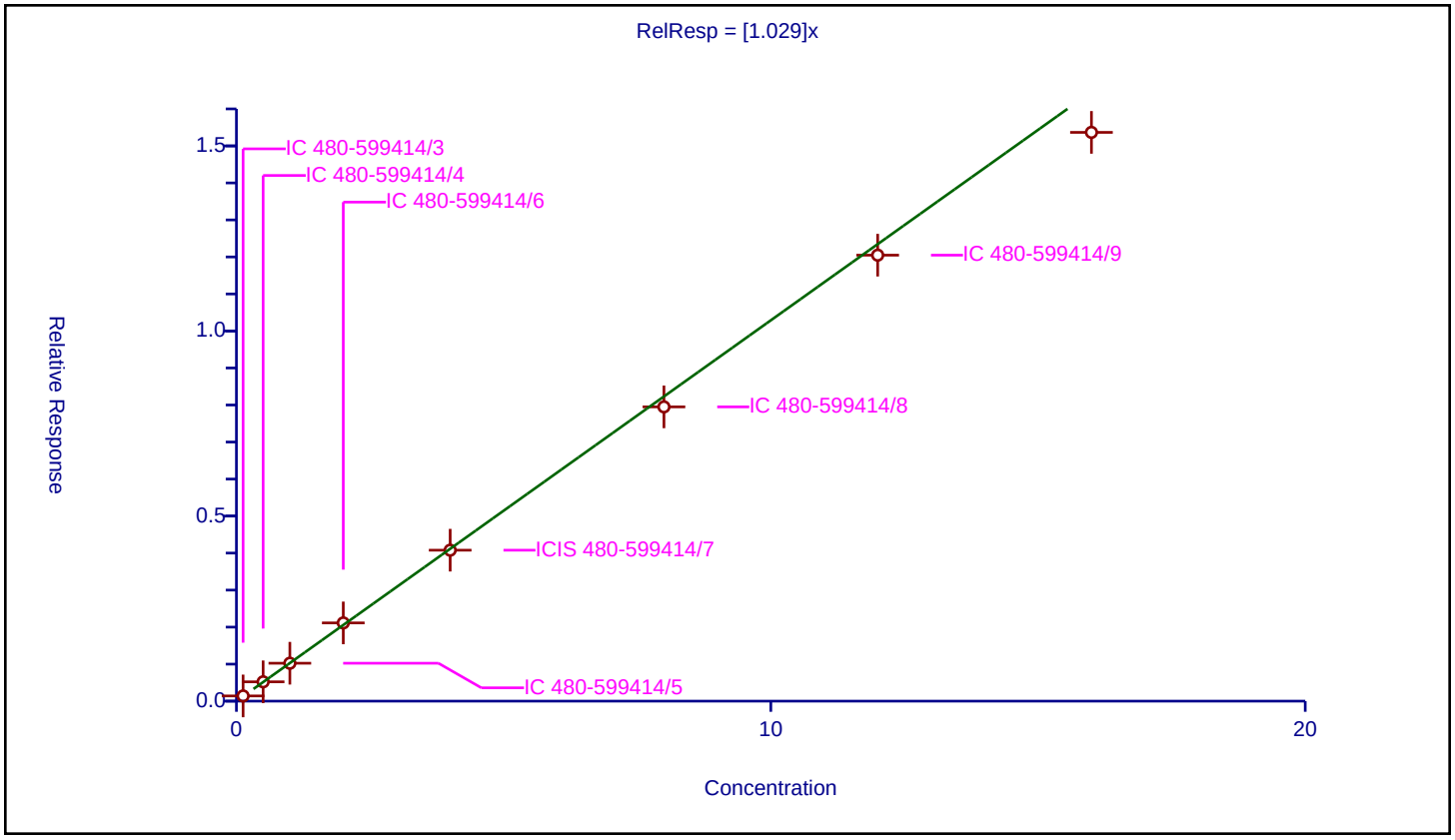
Curve Coefficients

Intercept:	0
Slope:	1.029

Error Coefficients

Standard Error:	2290000
Relative Standard Error:	4.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/3	0.125	0.141	4.0	1116625.0	1.127999	Y
2	IC 480-599414/4	0.5	0.521889	4.0	1117448.0	1.043778	Y
3	IC 480-599414/5	1.0	1.024272	4.0	1128739.0	1.024272	Y
4	IC 480-599414/6	2.0	2.113513	4.0	1141103.0	1.056756	Y
5	ICIS 480-599414/7	4.0	4.078291	4.0	1148483.0	1.019573	Y
6	IC 480-599414/8	8.0	7.949751	4.0	1137926.0	0.993719	Y
7	IC 480-599414/9	12.0	12.048432	4.0	1107194.0	1.004036	Y
8	IC 480-599414/10	16.0	15.365633	4.0	1124308.0	0.960352	Y



Calibration / 4-Chloroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

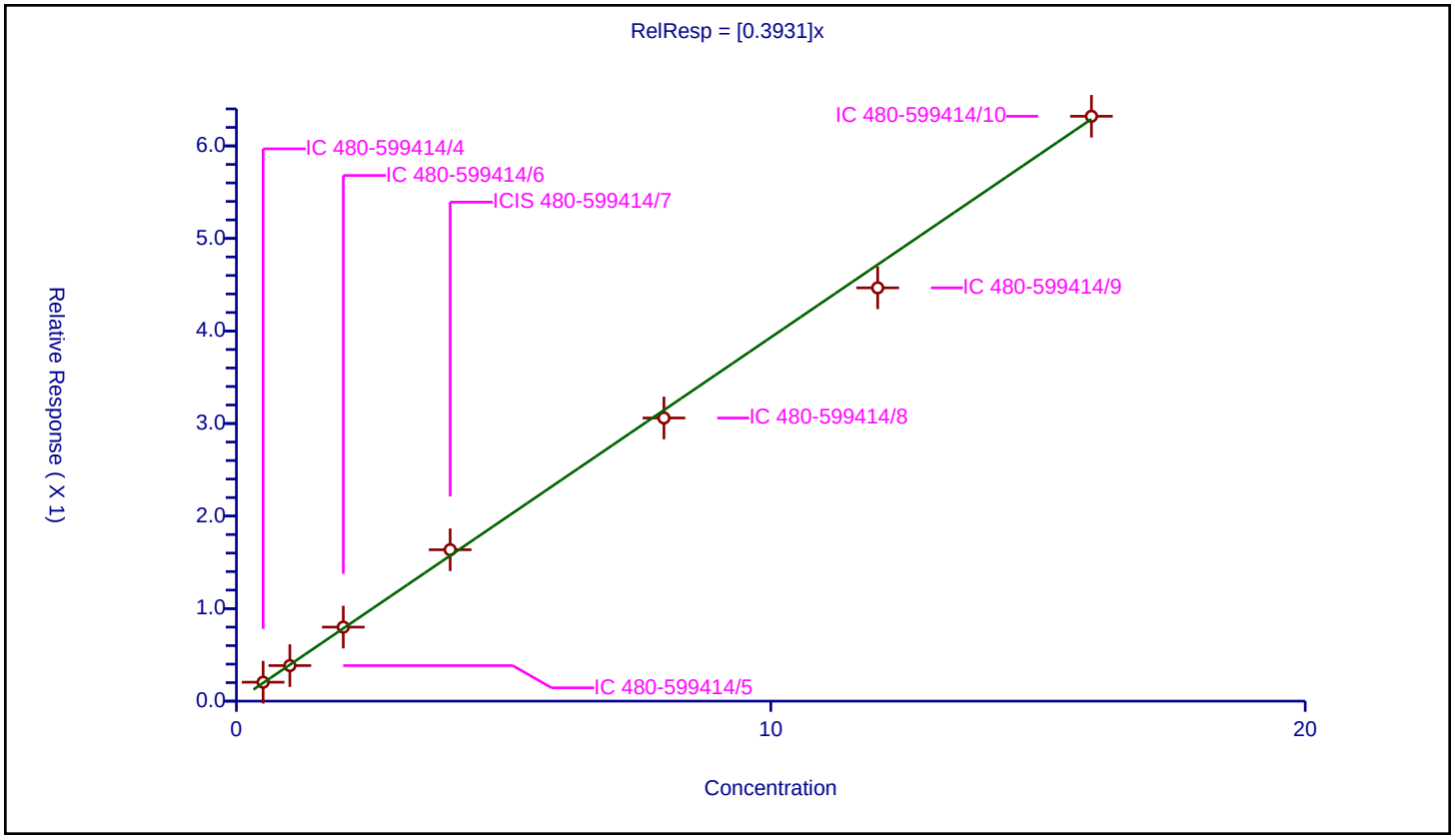
Curve Coefficients

Intercept:	0
Slope:	0.3931

Error Coefficients

Standard Error:	977000
Relative Standard Error:	3.6
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.204362	4.0	1117448.0	0.408724	Y
2	IC 480-599414/5	1.0	0.38422	4.0	1128739.0	0.38422	Y
3	IC 480-599414/6	2.0	0.799875	4.0	1141103.0	0.399938	Y
4	ICIS 480-599414/7	4.0	1.636123	4.0	1148483.0	0.409031	Y
5	IC 480-599414/8	8.0	3.060034	4.0	1137926.0	0.382504	Y
6	IC 480-599414/9	12.0	4.466184	4.0	1107194.0	0.372182	Y
7	IC 480-599414/10	16.0	6.320211	4.0	1124308.0	0.395013	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

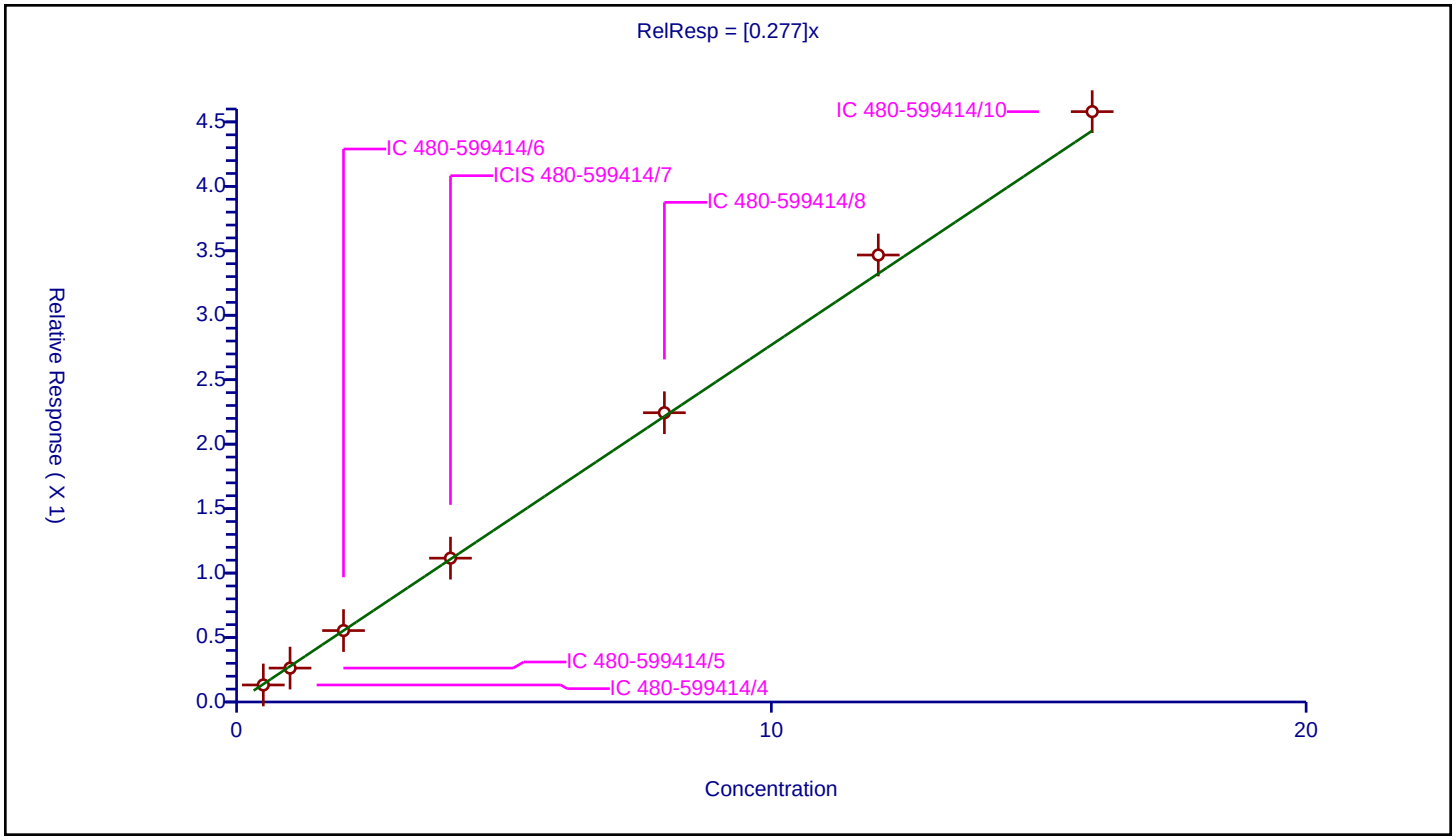
Curve Coefficients

Intercept:	0
Slope:	0.277

Error Coefficients

Standard Error:	721000
Relative Standard Error:	3.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.132058	4.0	1117448.0	0.264116	Y
2	IC 480-599414/5	1.0	0.26303	4.0	1128739.0	0.26303	Y
3	IC 480-599414/6	2.0	0.554138	4.0	1141103.0	0.277069	Y
4	ICIS 480-599414/7	4.0	1.115813	4.0	1148483.0	0.278953	Y
5	IC 480-599414/8	8.0	2.243893	4.0	1137926.0	0.280487	Y
6	IC 480-599414/9	12.0	3.467418	4.0	1107194.0	0.288951	Y
7	IC 480-599414/10	16.0	4.579791	4.0	1124308.0	0.286237	Y



Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

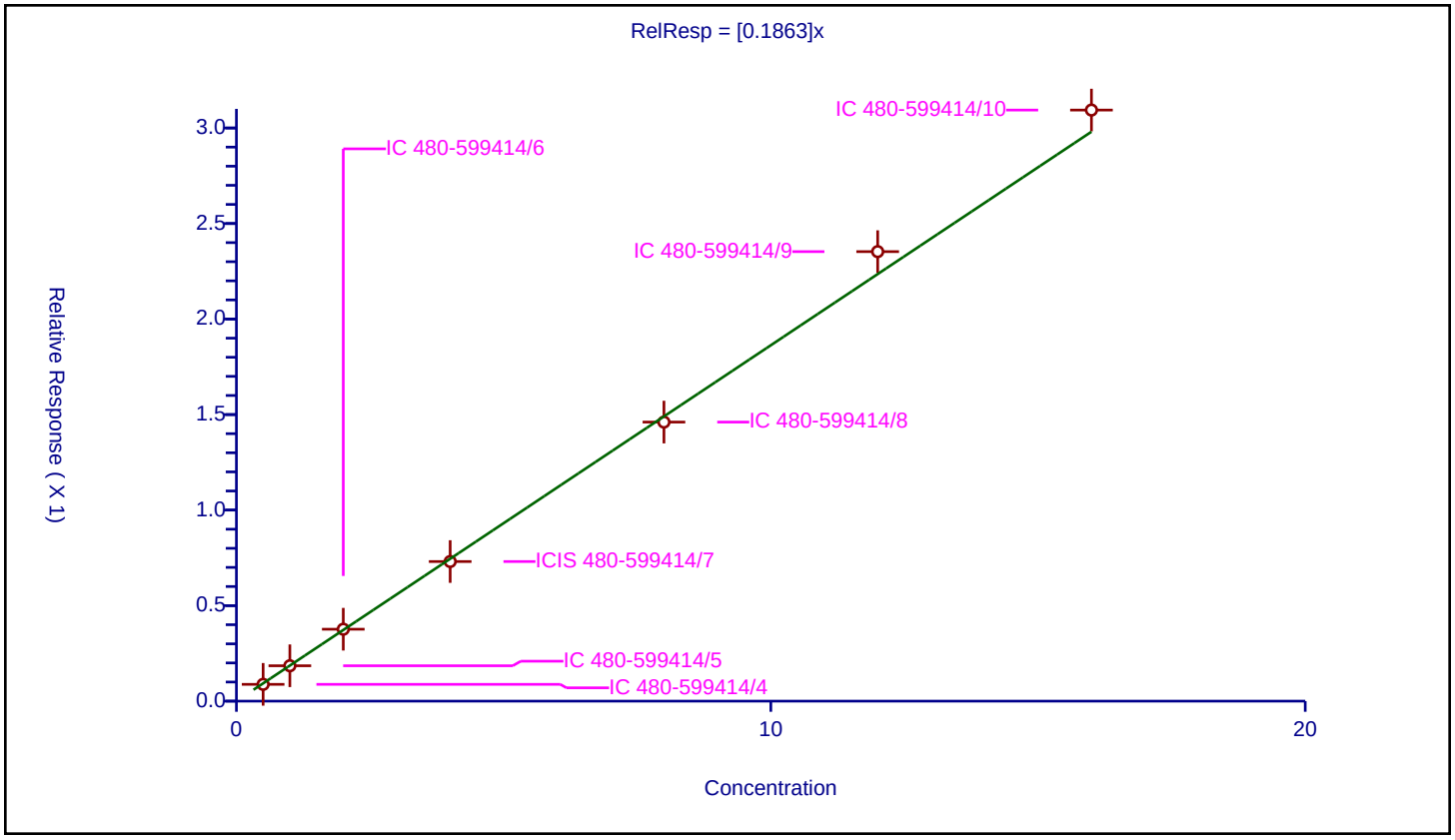
Curve Coefficients

Intercept:	0
Slope:	0.1863

Error Coefficients

Standard Error:	485000
Relative Standard Error:	3.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.08794	4.0	1117448.0	0.175879	Y
2	IC 480-599414/5	1.0	0.185155	4.0	1128739.0	0.185155	Y
3	IC 480-599414/6	2.0	0.376415	4.0	1141103.0	0.188207	Y
4	ICIS 480-599414/7	4.0	0.730759	4.0	1148483.0	0.18269	Y
5	IC 480-599414/8	8.0	1.460615	4.0	1137926.0	0.182577	Y
6	IC 480-599414/9	12.0	2.352874	4.0	1107194.0	0.196073	Y
7	IC 480-599414/10	16.0	3.093832	4.0	1124308.0	0.193364	Y



Calibration / Caprolactam

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

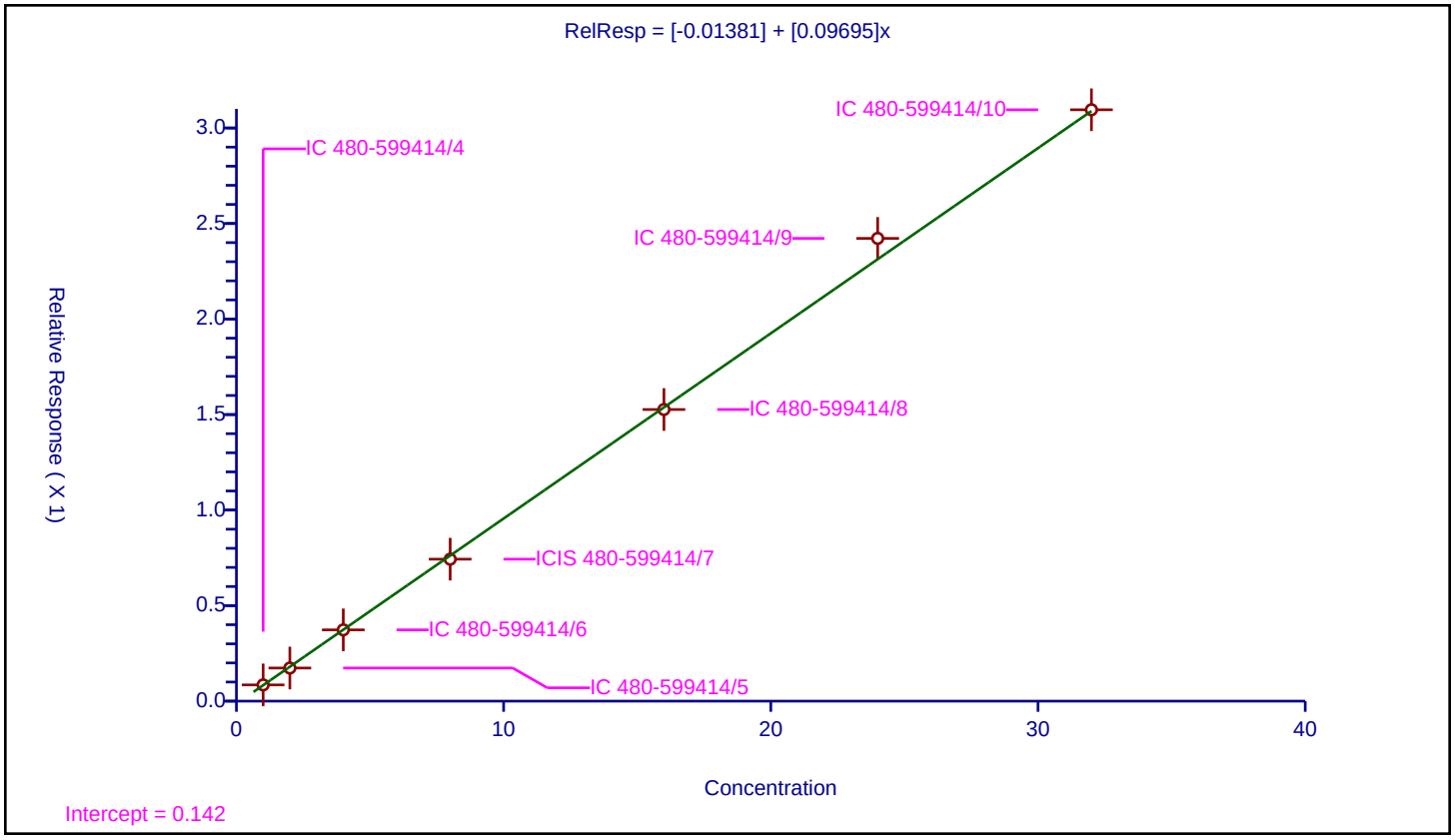
Curve Coefficients

Intercept:	-0.01381
Slope:	0.09695

Error Coefficients

Standard Error:	539000
Relative Standard Error:	3.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	1.0	0.085033	4.0	1117448.0	0.085033	Y
2	IC 480-599414/5	2.0	0.173326	4.0	1128739.0	0.086663	Y
3	IC 480-599414/6	4.0	0.373008	4.0	1141103.0	0.093252	Y
4	ICIS 480-599414/7	8.0	0.743105	4.0	1148483.0	0.092888	Y
5	IC 480-599414/8	16.0	1.526503	4.0	1137926.0	0.095406	Y
6	IC 480-599414/9	24.0	2.422231	4.0	1107194.0	0.100926	Y
7	IC 480-599414/10	32.0	3.095408	4.0	1124308.0	0.096732	Y



Calibration / 4-Chloro-3-methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

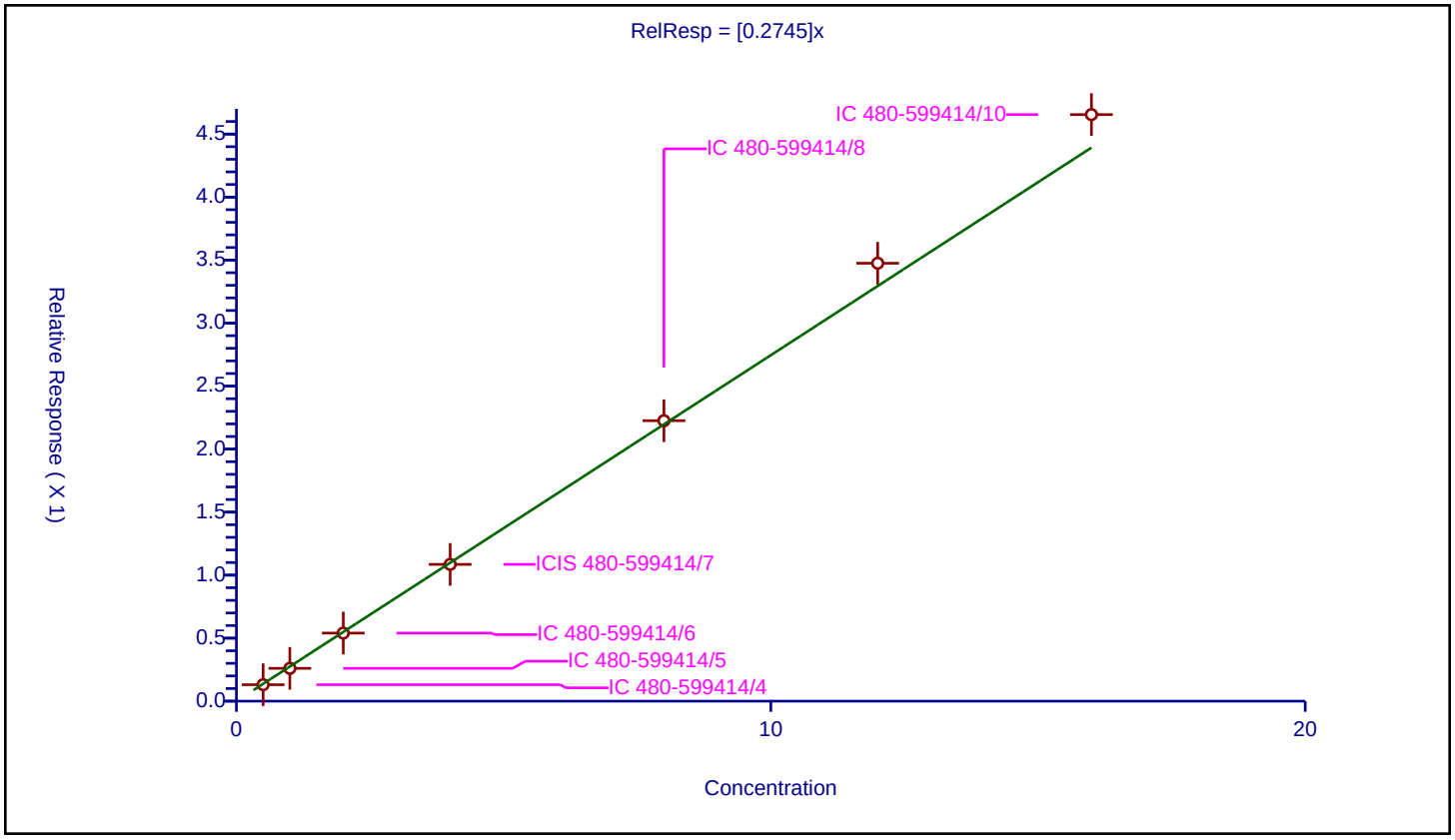
Curve Coefficients

Intercept:	0
Slope:	0.2745

Error Coefficients

Standard Error:	726000
Relative Standard Error:	4.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.130619	4.0	1117448.0	0.261238	Y
2	IC 480-599414/5	1.0	0.260315	4.0	1128739.0	0.260315	Y
3	IC 480-599414/6	2.0	0.540211	4.0	1141103.0	0.270105	Y
4	ICIS 480-599414/7	4.0	1.085331	4.0	1148483.0	0.271333	Y
5	IC 480-599414/8	8.0	2.225505	4.0	1137926.0	0.278188	Y
6	IC 480-599414/9	12.0	3.475225	4.0	1107194.0	0.289602	Y
7	IC 480-599414/10	16.0	4.654732	4.0	1124308.0	0.290921	Y



Calibration / 2-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

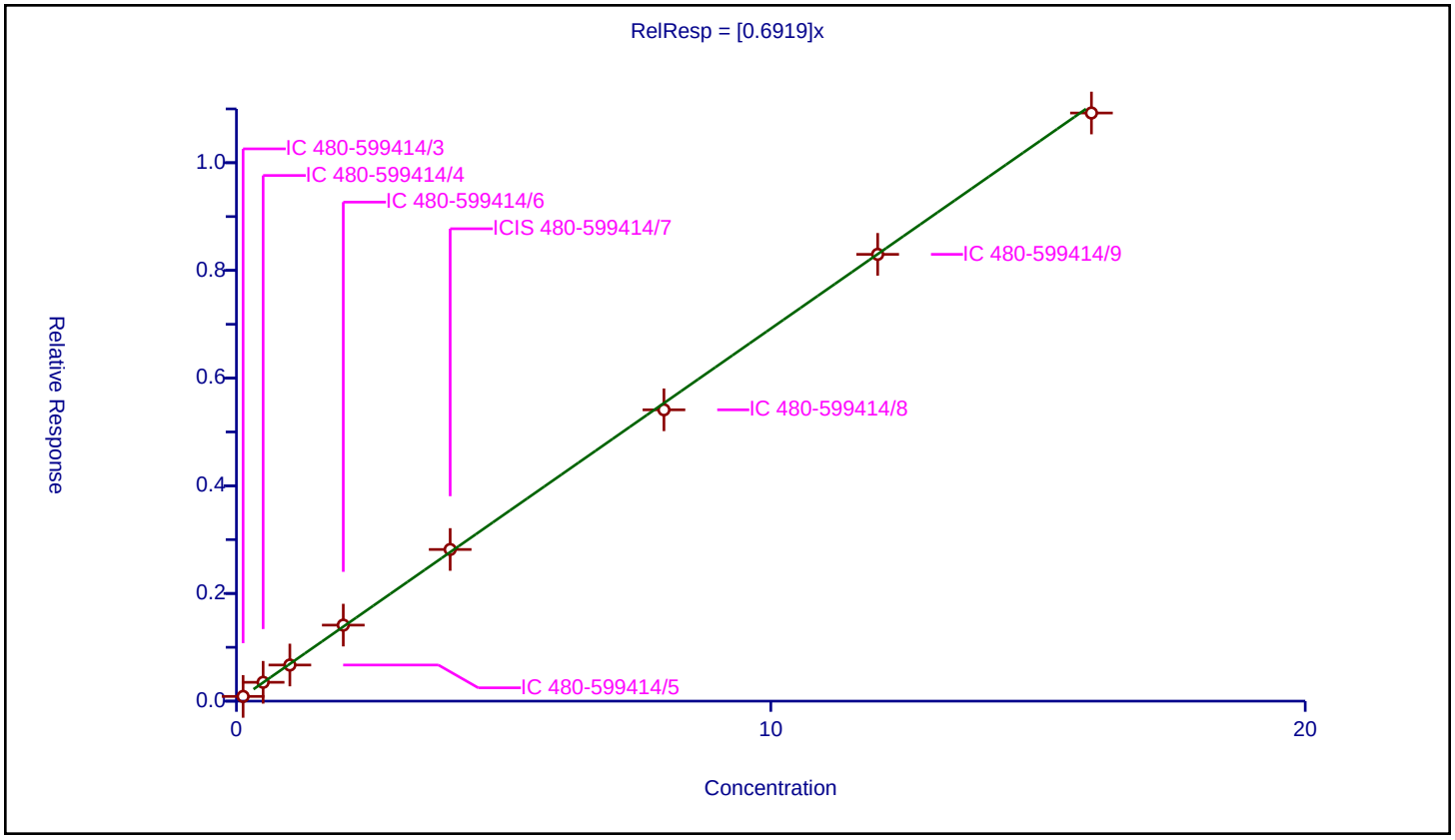
Curve Coefficients

Intercept:	0
Slope:	0.6919

Error Coefficients

Standard Error:	1600000
Relative Standard Error:	2.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/3	0.125	0.087933	4.0	1116625.0	0.703463	Y
2	IC 480-599414/4	0.5	0.349912	4.0	1117448.0	0.699823	Y
3	IC 480-599414/5	1.0	0.67088	4.0	1128739.0	0.67088	Y
4	IC 480-599414/6	2.0	1.411953	4.0	1141103.0	0.705977	Y
5	ICIS 480-599414/7	4.0	2.817132	4.0	1148483.0	0.704283	Y
6	IC 480-599414/8	8.0	5.410935	4.0	1137926.0	0.676367	Y
7	IC 480-599414/9	12.0	8.298748	4.0	1107194.0	0.691562	Y
8	IC 480-599414/10	16.0	10.923939	4.0	1124308.0	0.682746	Y



Calibration / 1-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

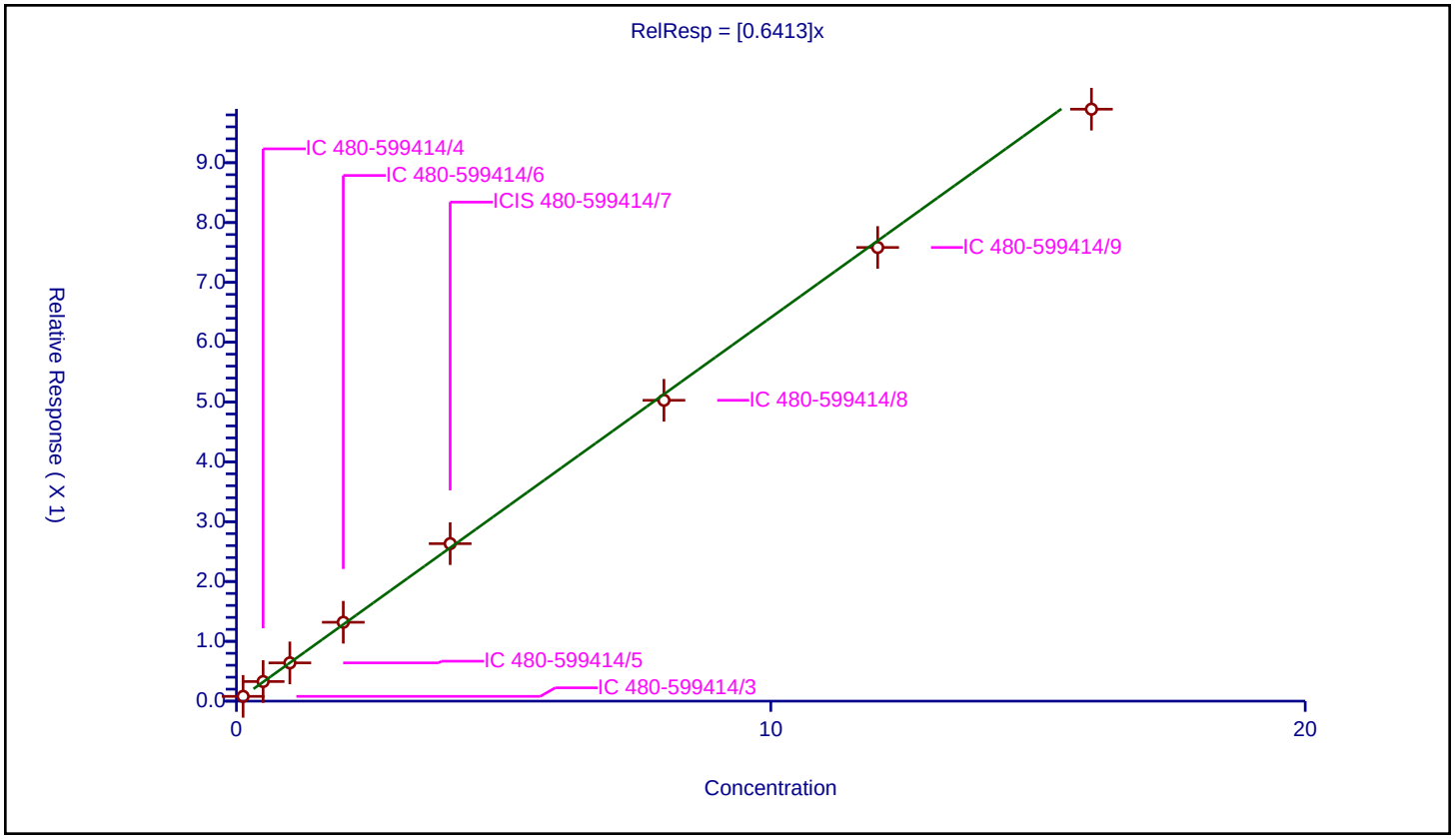
Curve Coefficients

Intercept:	0
Slope:	0.6413

Error Coefficients

Standard Error:	1460000
Relative Standard Error:	2.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/3	0.125	0.079744	4.0	1116625.0	0.637951	Y
2	IC 480-599414/4	0.5	0.328076	4.0	1117448.0	0.656152	Y
3	IC 480-599414/5	1.0	0.639464	4.0	1128739.0	0.639464	Y
4	IC 480-599414/6	2.0	1.318416	4.0	1141103.0	0.659208	Y
5	ICIS 480-599414/7	4.0	2.632955	4.0	1148483.0	0.658239	Y
6	IC 480-599414/8	8.0	5.028731	4.0	1137926.0	0.628591	Y
7	IC 480-599414/9	12.0	7.583614	4.0	1107194.0	0.631968	Y
8	IC 480-599414/10	16.0	9.895207	4.0	1124308.0	0.61845	Y



Calibration / Hexachlorocyclopentadiene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

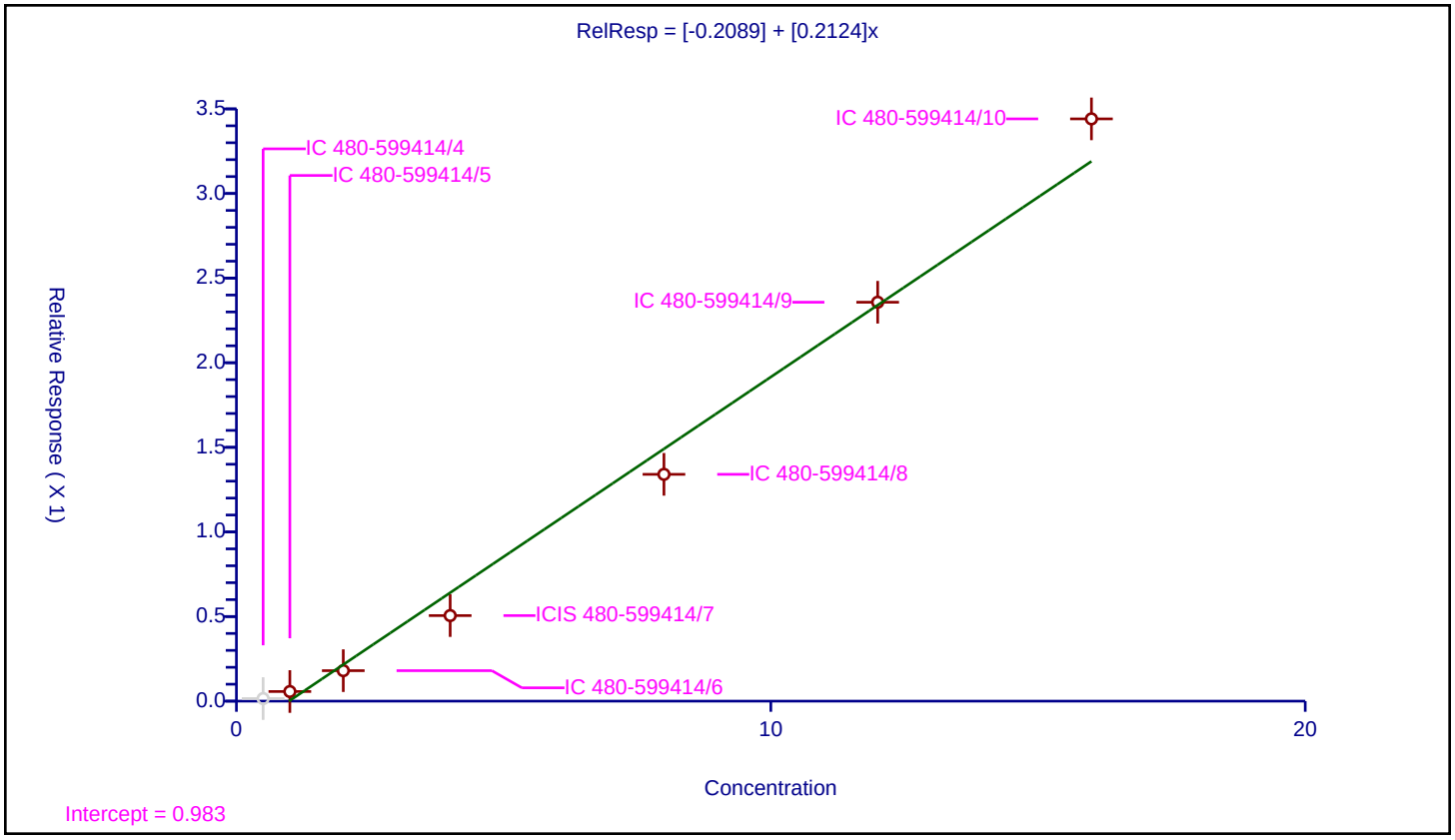
Curve Coefficients

Intercept:	-0.2089
Slope:	0.2124

Error Coefficients

Standard Error:	349000
Relative Standard Error:	16.5
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.01519	4.0	621984.0	0.03038	N
2	IC 480-599414/5	1.0	0.056925	4.0	627631.0	0.056925	Y
3	IC 480-599414/6	2.0	0.180182	4.0	657911.0	0.090091	Y
4	ICIS 480-599414/7	4.0	0.50571	4.0	643571.0	0.126427	Y
5	IC 480-599414/8	8.0	1.34027	4.0	636833.0	0.167534	Y
6	IC 480-599414/9	12.0	2.357377	4.0	643052.0	0.196448	Y
7	IC 480-599414/10	16.0	3.441027	4.0	628009.0	0.215064	Y



Calibration / 1,2,4,5-Tetrachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

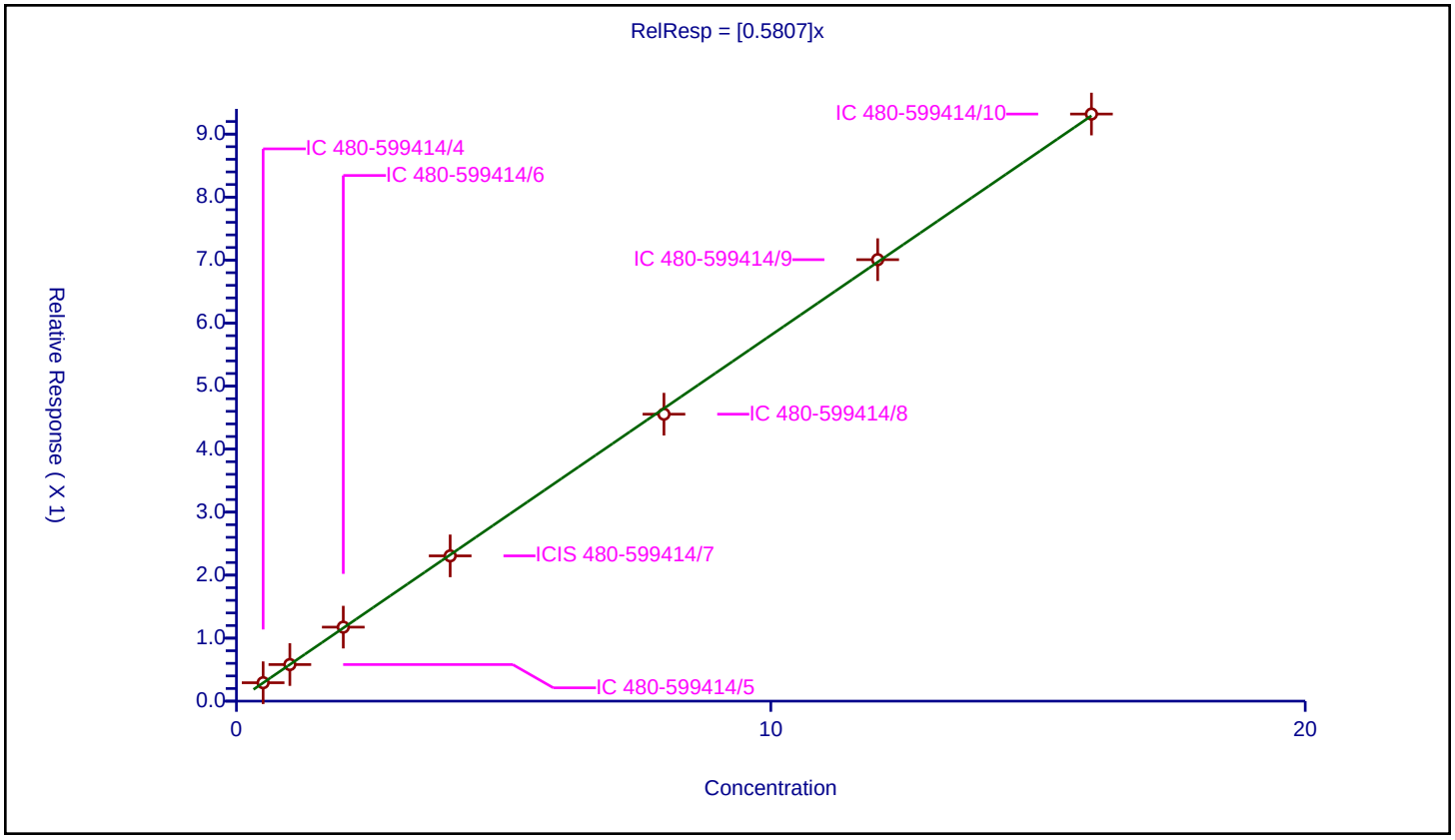
Curve Coefficients

Intercept:	0
Slope:	0.5807

Error Coefficients

Standard Error:	829000
Relative Standard Error:	1.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.292503	4.0	621984.0	0.585005	Y
2	IC 480-599414/5	1.0	0.580621	4.0	627631.0	0.580621	Y
3	IC 480-599414/6	2.0	1.174463	4.0	657911.0	0.587231	Y
4	ICIS 480-599414/7	4.0	2.30571	4.0	643571.0	0.576427	Y
5	IC 480-599414/8	8.0	4.554601	4.0	636833.0	0.569325	Y
6	IC 480-599414/9	12.0	7.006817	4.0	643052.0	0.583901	Y
7	IC 480-599414/10	16.0	9.318389	4.0	628009.0	0.582399	Y



Calibration / 2,4,6-Trichlorophenol

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

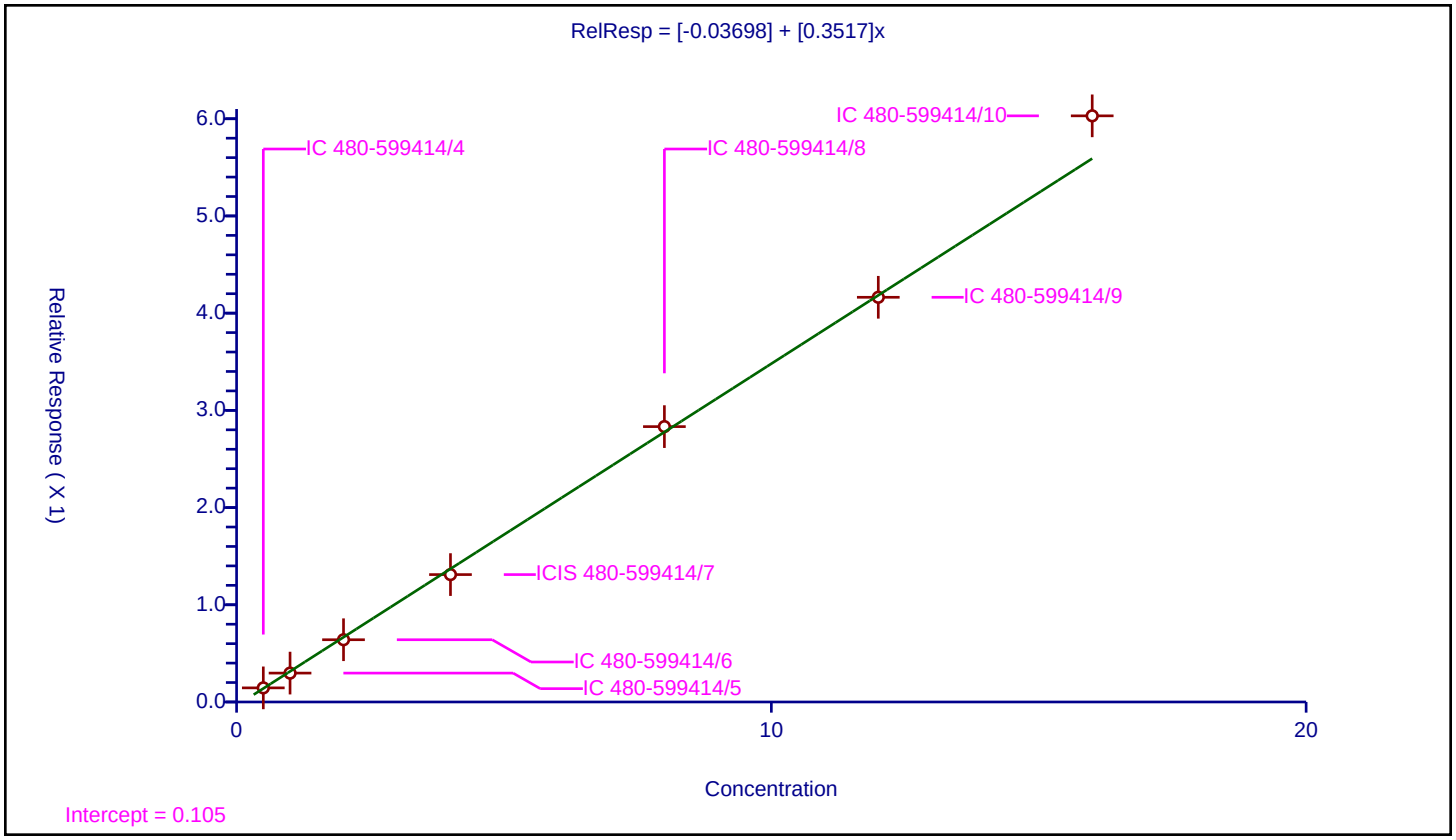
Curve Coefficients

Intercept:	-0.03698
Slope:	0.3517

Error Coefficients

Standard Error:	567000
Relative Standard Error:	5.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.145226	4.0	621984.0	0.290451	Y
2	IC 480-599414/5	1.0	0.297092	4.0	627631.0	0.297092	Y
3	IC 480-599414/6	2.0	0.640281	4.0	657911.0	0.320141	Y
4	ICIS 480-599414/7	4.0	1.310513	4.0	643571.0	0.327628	Y
5	IC 480-599414/8	8.0	2.832925	4.0	636833.0	0.354116	Y
6	IC 480-599414/9	12.0	4.163153	4.0	643052.0	0.346929	Y
7	IC 480-599414/10	16.0	6.029691	4.0	628009.0	0.376856	Y



Calibration / 2,4,5-Trichlorophenol

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

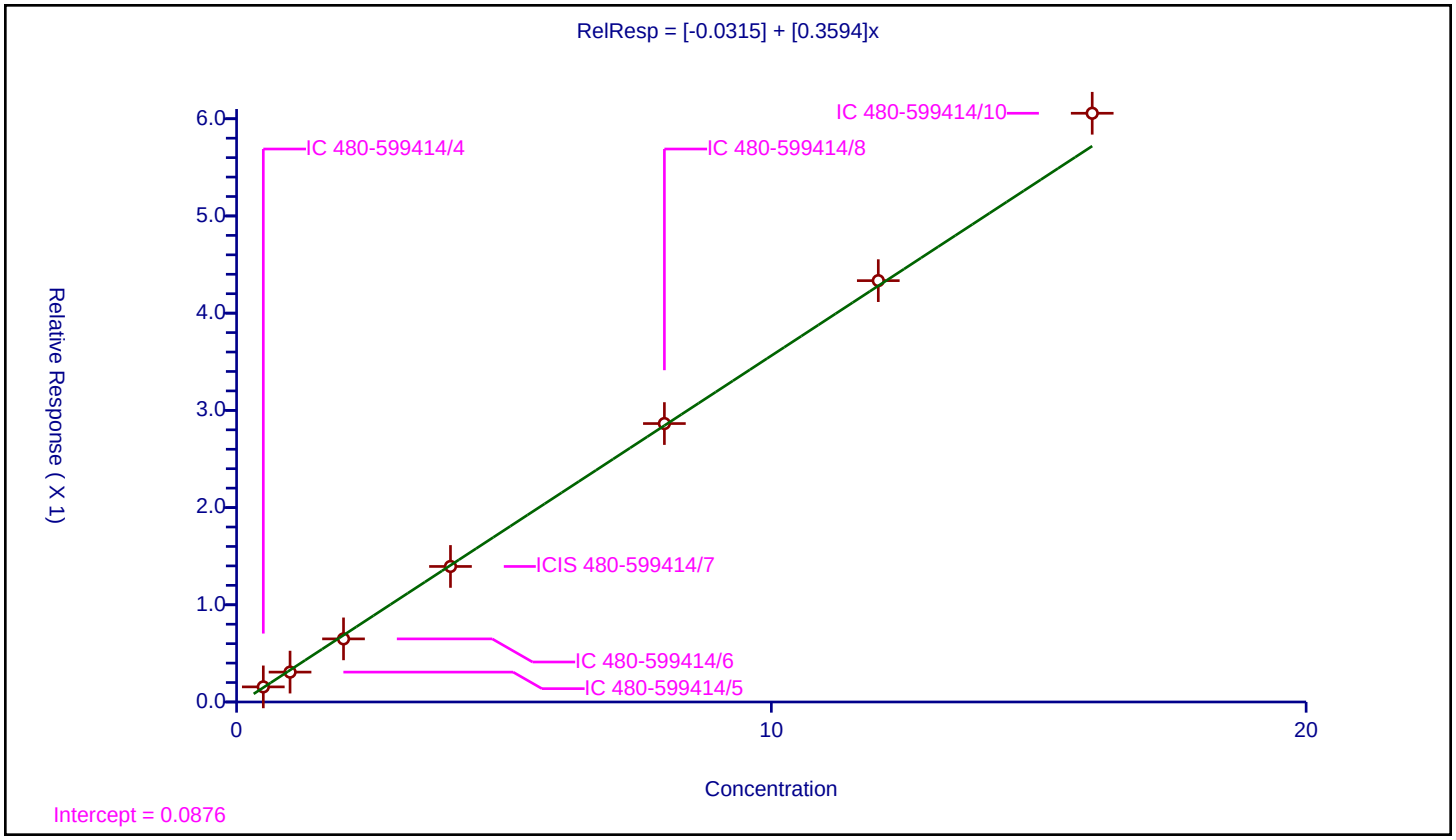
Curve Coefficients

Intercept:	-0.0315
Slope:	0.3594

Error Coefficients

Standard Error:	577000
Relative Standard Error:	4.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.155406	4.0	621984.0	0.310812	Y
2	IC 480-599414/5	1.0	0.307276	4.0	627631.0	0.307276	Y
3	IC 480-599414/6	2.0	0.649194	4.0	657911.0	0.324597	Y
4	ICIS 480-599414/7	4.0	1.39437	4.0	643571.0	0.348592	Y
5	IC 480-599414/8	8.0	2.864311	4.0	636833.0	0.358039	Y
6	IC 480-599414/9	12.0	4.33448	4.0	643052.0	0.361207	Y
7	IC 480-599414/10	16.0	6.056467	4.0	628009.0	0.378529	Y



Calibration / 2-Fluorobiphenyl

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

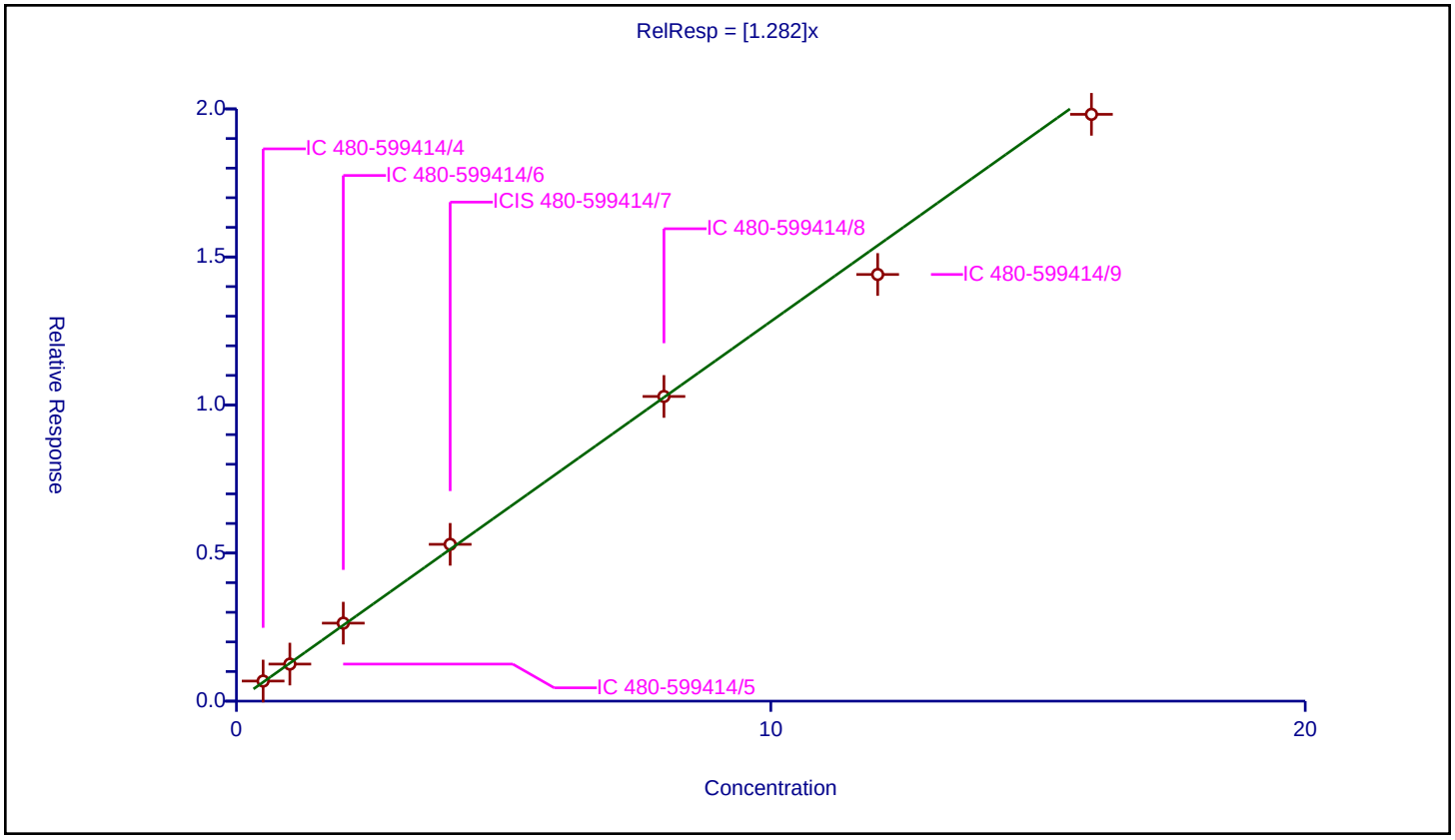
Curve Coefficients

Intercept:	0
Slope:	1.282

Error Coefficients

Standard Error:	1770000
Relative Standard Error:	4.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.67848	4.0	621984.0	1.356961	Y
2	IC 480-599414/5	1.0	1.251825	4.0	627631.0	1.251825	Y
3	IC 480-599414/6	2.0	2.634071	4.0	657911.0	1.317035	Y
4	ICIS 480-599414/7	4.0	5.295534	4.0	643571.0	1.323883	Y
5	IC 480-599414/8	8.0	10.289354	4.0	636833.0	1.286169	Y
6	IC 480-599414/9	12.0	14.408191	4.0	643052.0	1.200683	Y
7	IC 480-599414/10	16.0	19.816901	4.0	628009.0	1.238556	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

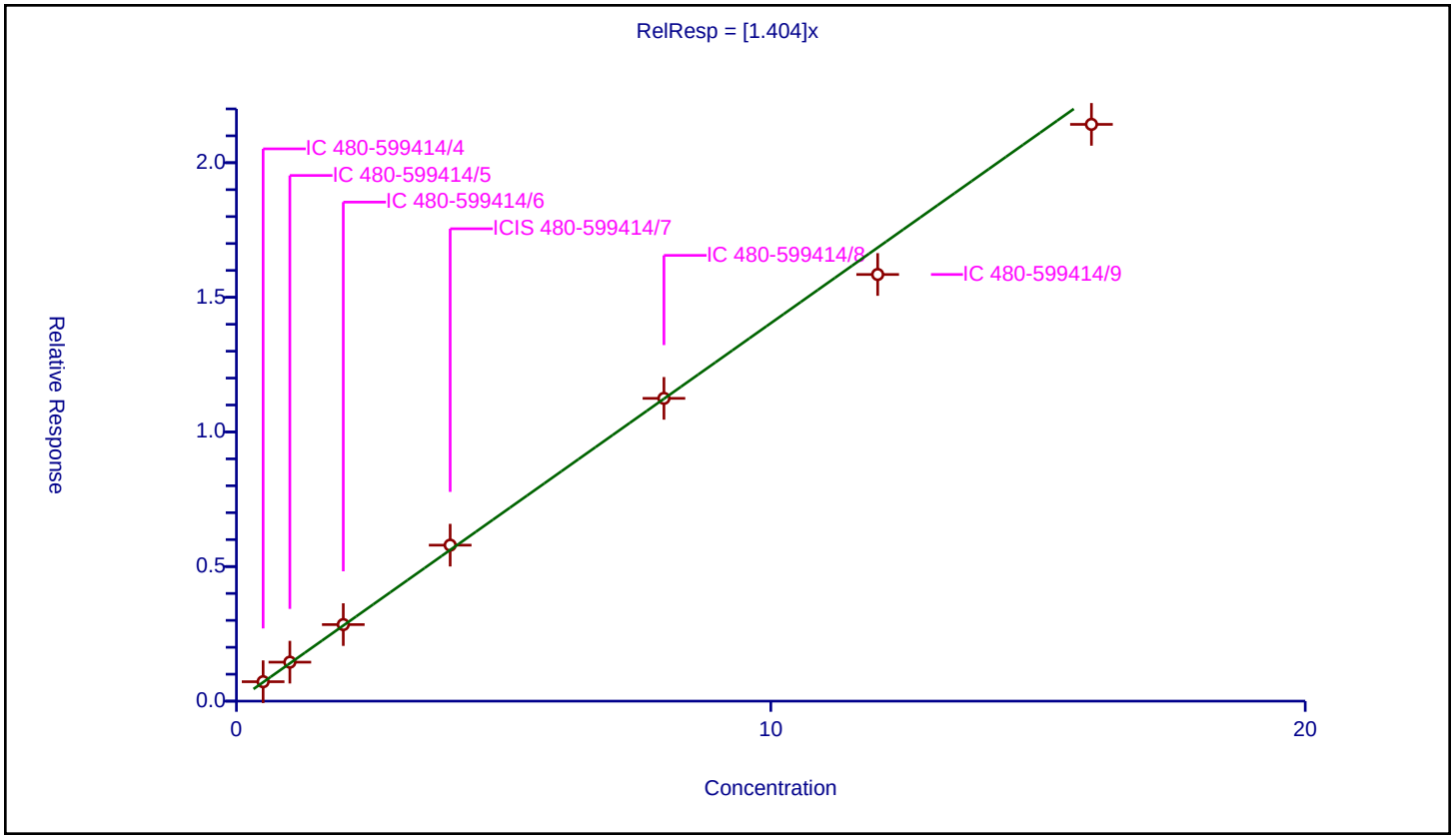
Curve Coefficients

Intercept:	0
Slope:	1.404

Error Coefficients

Standard Error:	1920000
Relative Standard Error:	3.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.721633	4.0	621984.0	1.443265	Y
2	IC 480-599414/5	1.0	1.448367	4.0	627631.0	1.448367	Y
3	IC 480-599414/6	2.0	2.843898	4.0	657911.0	1.421949	Y
4	ICIS 480-599414/7	4.0	5.794214	4.0	643571.0	1.448553	Y
5	IC 480-599414/8	8.0	11.247168	4.0	636833.0	1.405896	Y
6	IC 480-599414/9	12.0	15.849095	4.0	643052.0	1.320758	Y
7	IC 480-599414/10	16.0	21.424929	4.0	628009.0	1.339058	Y



Calibration / 2-Chloronaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

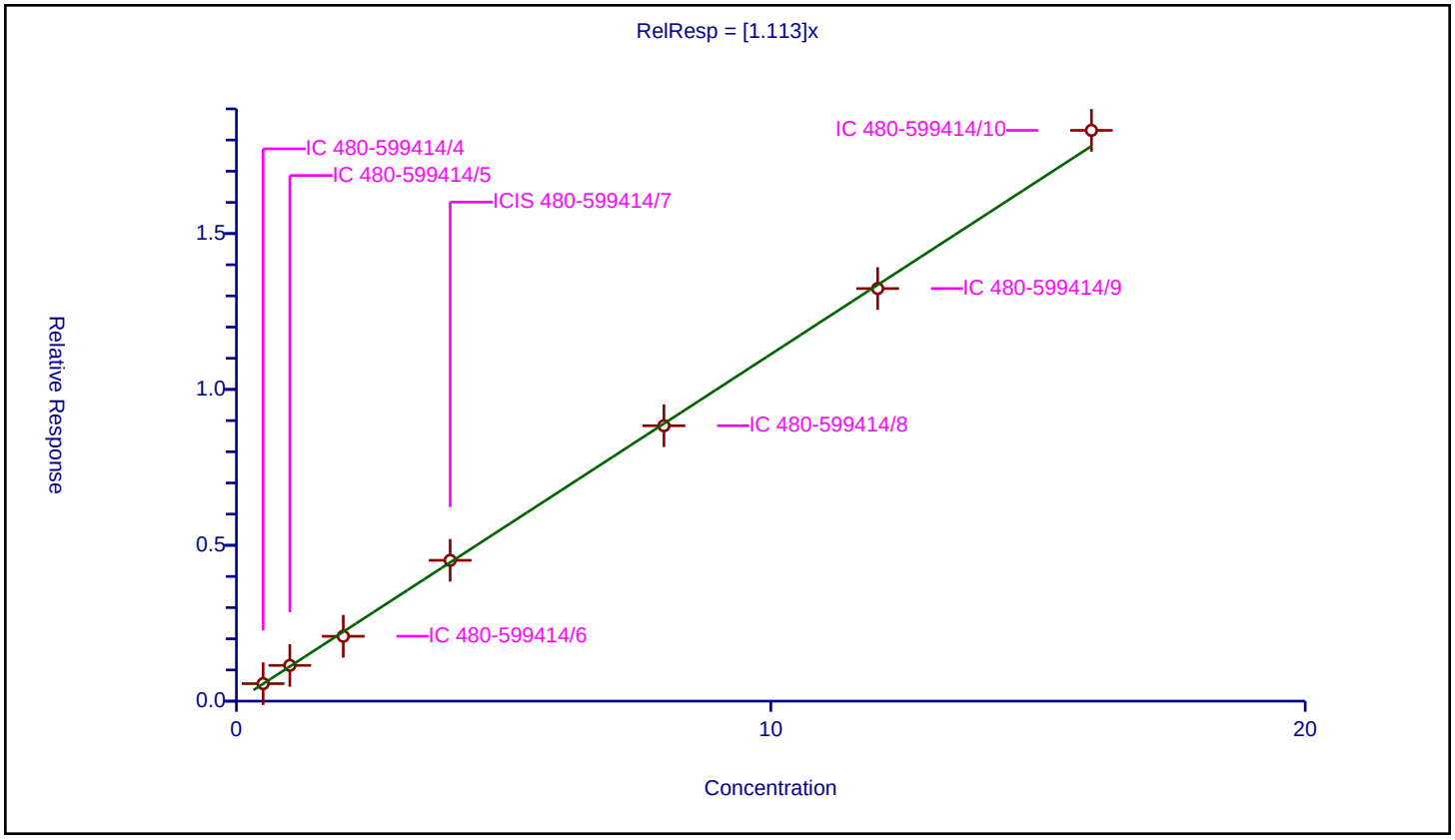
Curve Coefficients

Intercept:	0
Slope:	1.113

Error Coefficients

Standard Error:	1610000
Relative Standard Error:	3.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.56087	4.0	621984.0	1.121739	Y
2	IC 480-599414/5	1.0	1.146342	4.0	627631.0	1.146342	Y
3	IC 480-599414/6	2.0	2.080689	4.0	657911.0	1.040344	Y
4	ICIS 480-599414/7	4.0	4.517736	4.0	643571.0	1.129434	Y
5	IC 480-599414/8	8.0	8.835648	4.0	636833.0	1.104456	Y
6	IC 480-599414/9	12.0	13.236628	4.0	643052.0	1.103052	Y
7	IC 480-599414/10	16.0	18.311553	4.0	628009.0	1.144472	Y



Calibration / 2-Nitroaniline

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

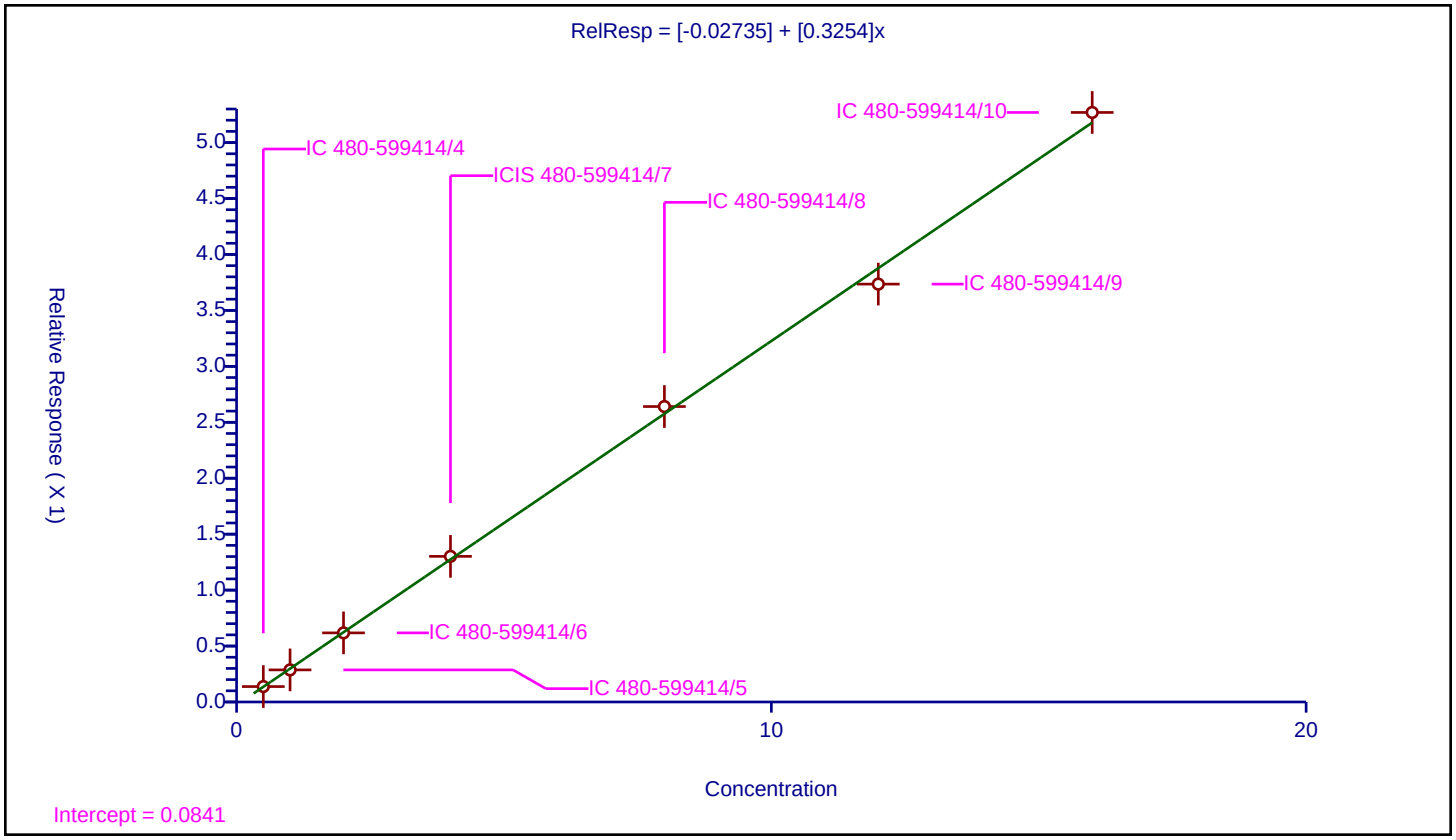
Curve Coefficients

Intercept:	-0.02735
Slope:	0.3254

Error Coefficients

Standard Error:	506000
Relative Standard Error:	2.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.137965	4.0	621984.0	0.27593	Y
2	IC 480-599414/5	1.0	0.286844	4.0	627631.0	0.286844	Y
3	IC 480-599414/6	2.0	0.617719	4.0	657911.0	0.308859	Y
4	ICIS 480-599414/7	4.0	1.30142	4.0	643571.0	0.325355	Y
5	IC 480-599414/8	8.0	2.640837	4.0	636833.0	0.330105	Y
6	IC 480-599414/9	12.0	3.735045	4.0	643052.0	0.311254	Y
7	IC 480-599414/10	16.0	5.26916	4.0	628009.0	0.329323	Y



Calibration / Dimethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

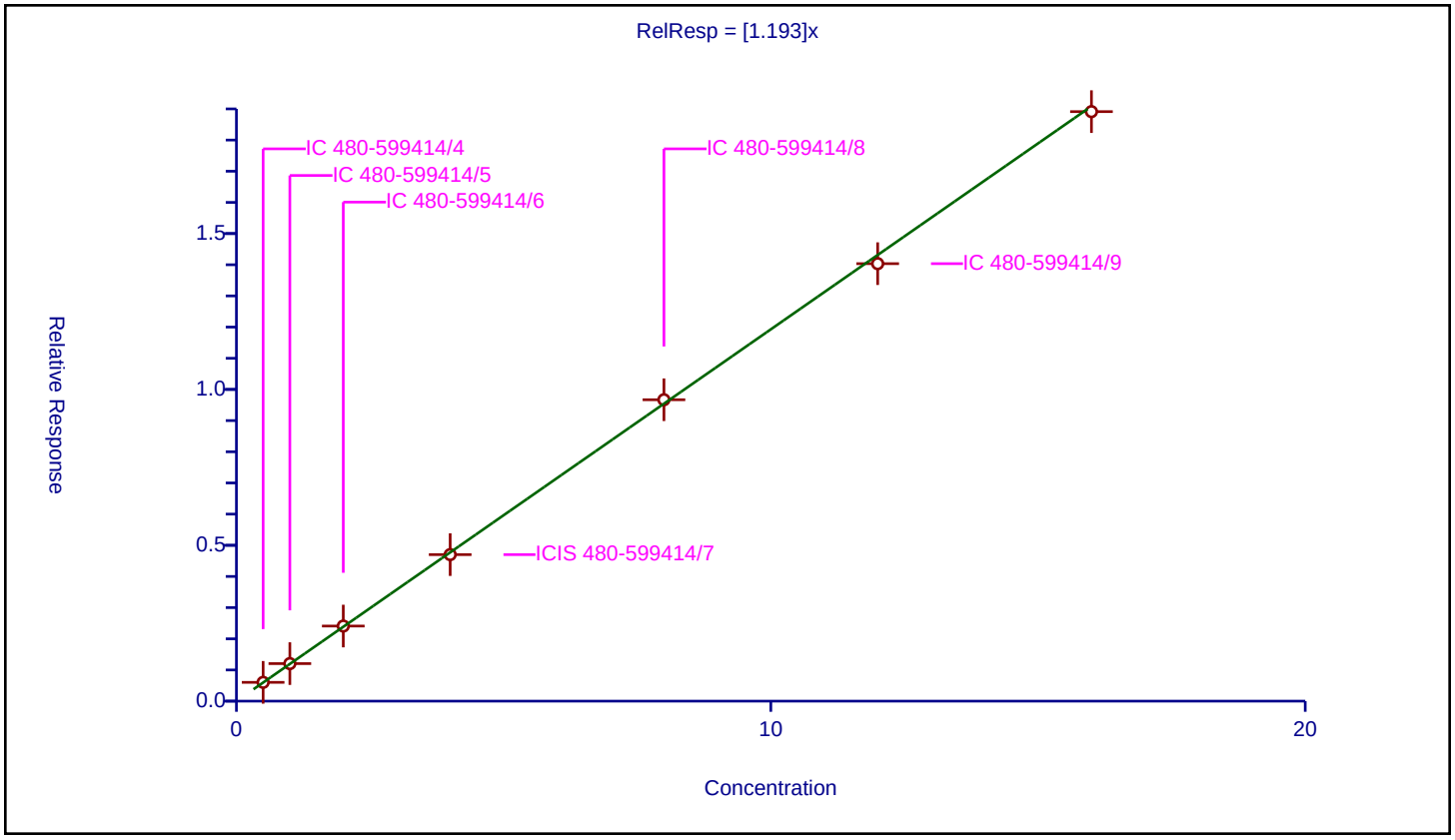
Curve Coefficients

Intercept:	0
Slope:	1.193

Error Coefficients

Standard Error:	1690000
Relative Standard Error:	1.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.602639	4.0	621984.0	1.205279	Y
2	IC 480-599414/5	1.0	1.204102	4.0	627631.0	1.204102	Y
3	IC 480-599414/6	2.0	2.409043	4.0	657911.0	1.204522	Y
4	ICIS 480-599414/7	4.0	4.700927	4.0	643571.0	1.175232	Y
5	IC 480-599414/8	8.0	9.669643	4.0	636833.0	1.208705	Y
6	IC 480-599414/9	12.0	14.034778	4.0	643052.0	1.169565	Y
7	IC 480-599414/10	16.0	18.911977	4.0	628009.0	1.181999	Y



Calibration / 1,3-Dinitrobenzene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

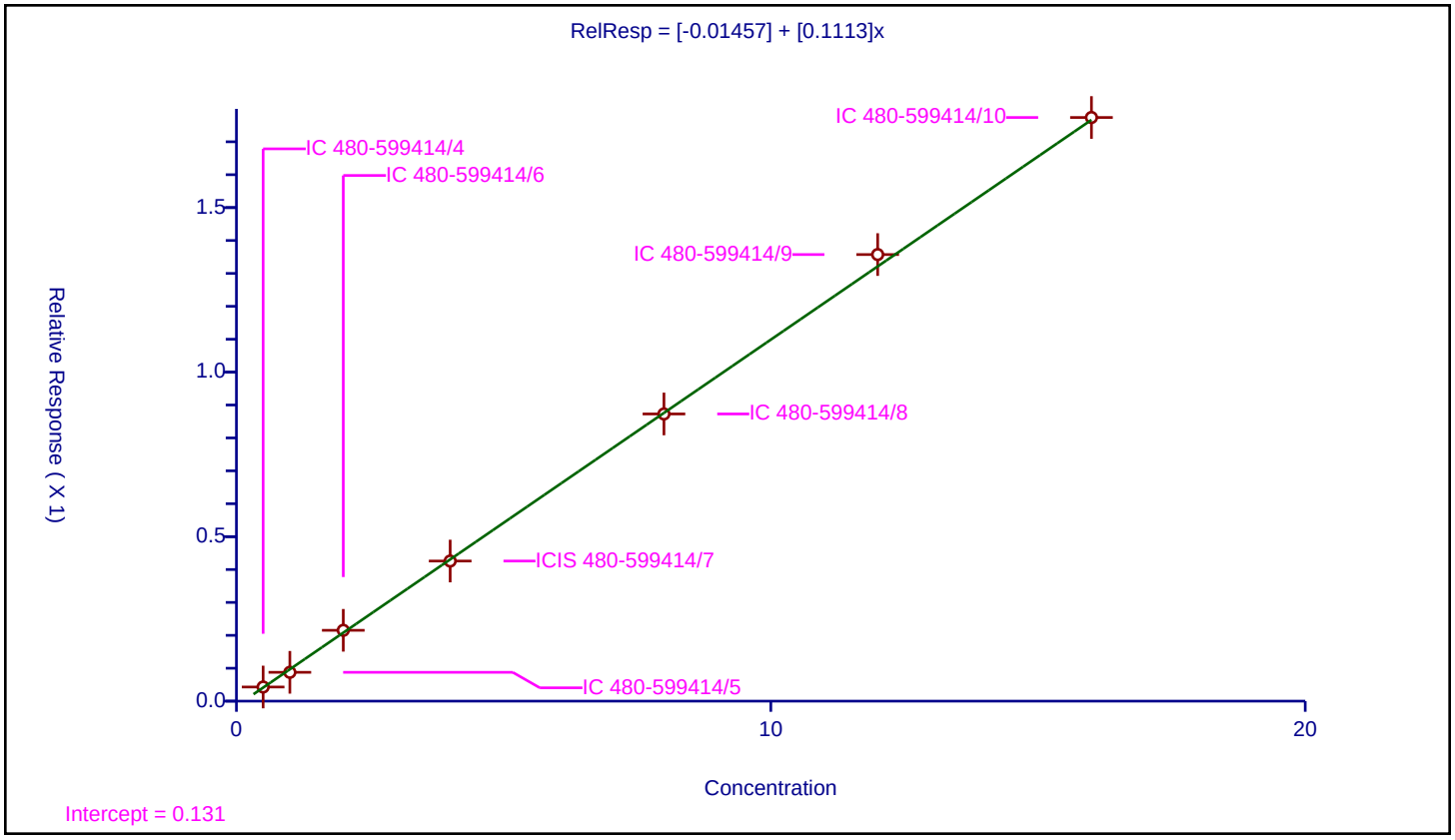
Curve Coefficients

Intercept:	-0.01457
Slope:	0.1113

Error Coefficients

Standard Error:	307000
Relative Standard Error:	4.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.042948	4.0	1117448.0	0.085896	Y
2	IC 480-599414/5	1.0	0.087588	4.0	1128739.0	0.087588	Y
3	IC 480-599414/6	2.0	0.215255	4.0	1141103.0	0.107627	Y
4	ICIS 480-599414/7	4.0	0.425849	4.0	1148483.0	0.106462	Y
5	IC 480-599414/8	8.0	0.872809	4.0	1137926.0	0.109101	Y
6	IC 480-599414/9	12.0	1.357305	4.0	1107194.0	0.113109	Y
7	IC 480-599414/10	16.0	1.773884	4.0	1124308.0	0.110868	Y



Calibration / 2,6-Dinitrotoluene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

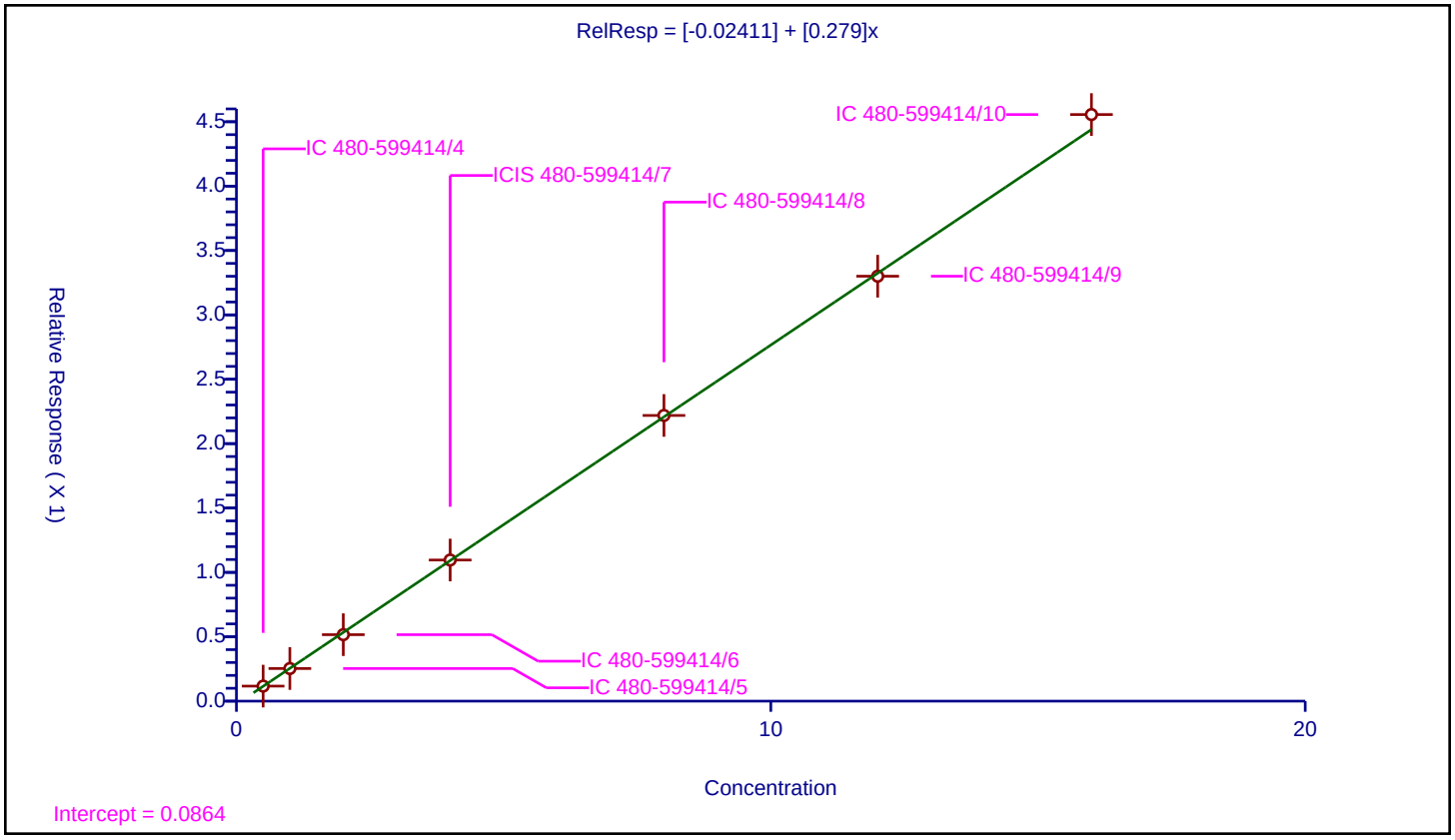
Curve Coefficients

Intercept:	-0.02411
Slope:	0.279

Error Coefficients

Standard Error:	438000
Relative Standard Error:	1.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.11671	4.0	621984.0	0.233421	Y
2	IC 480-599414/5	1.0	0.253289	4.0	627631.0	0.253289	Y
3	IC 480-599414/6	2.0	0.516289	4.0	657911.0	0.258144	Y
4	ICIS 480-599414/7	4.0	1.096134	4.0	643571.0	0.274033	Y
5	IC 480-599414/8	8.0	2.219031	4.0	636833.0	0.277379	Y
6	IC 480-599414/9	12.0	3.300473	4.0	643052.0	0.275039	Y
7	IC 480-599414/10	16.0	4.556119	4.0	628009.0	0.284757	Y



Calibration / Acenaphthylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

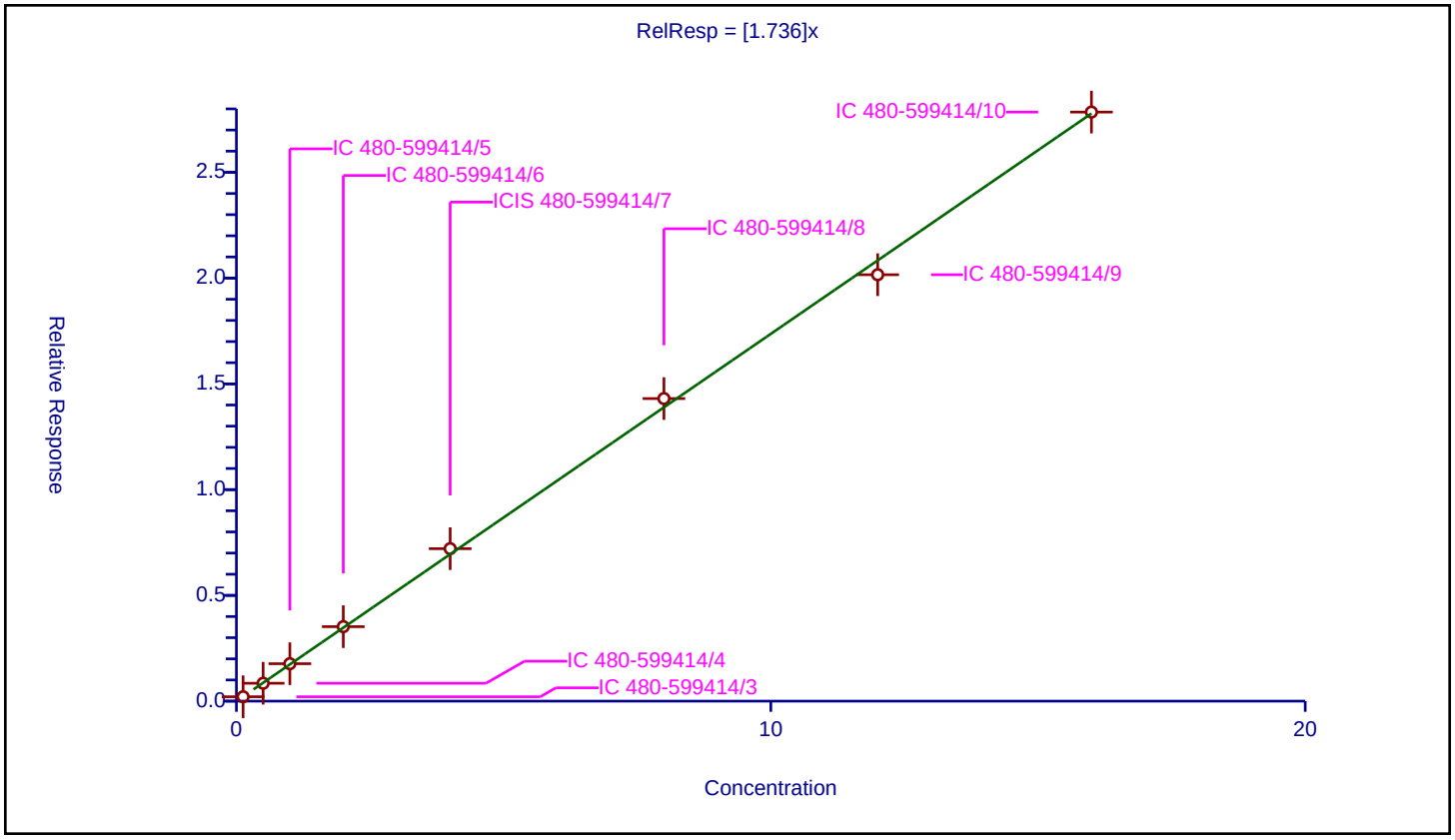
Curve Coefficients

Intercept:	0
Slope:	1.736

Error Coefficients

Standard Error:	2290000
Relative Standard Error:	3.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/3	0.125	0.207163	4.0	626327.0	1.657307	Y
2	IC 480-599414/4	0.5	0.845867	4.0	621984.0	1.691735	Y
3	IC 480-599414/5	1.0	1.769976	4.0	627631.0	1.769976	Y
4	IC 480-599414/6	2.0	3.521887	4.0	657911.0	1.760943	Y
5	ICIS 480-599414/7	4.0	7.208336	4.0	643571.0	1.802084	Y
6	IC 480-599414/8	8.0	14.304881	4.0	636833.0	1.78811	Y
7	IC 480-599414/9	12.0	20.15967	4.0	643052.0	1.679972	Y
8	IC 480-599414/10	16.0	27.848875	4.0	628009.0	1.740555	Y



Calibration / 3-Nitroaniline

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

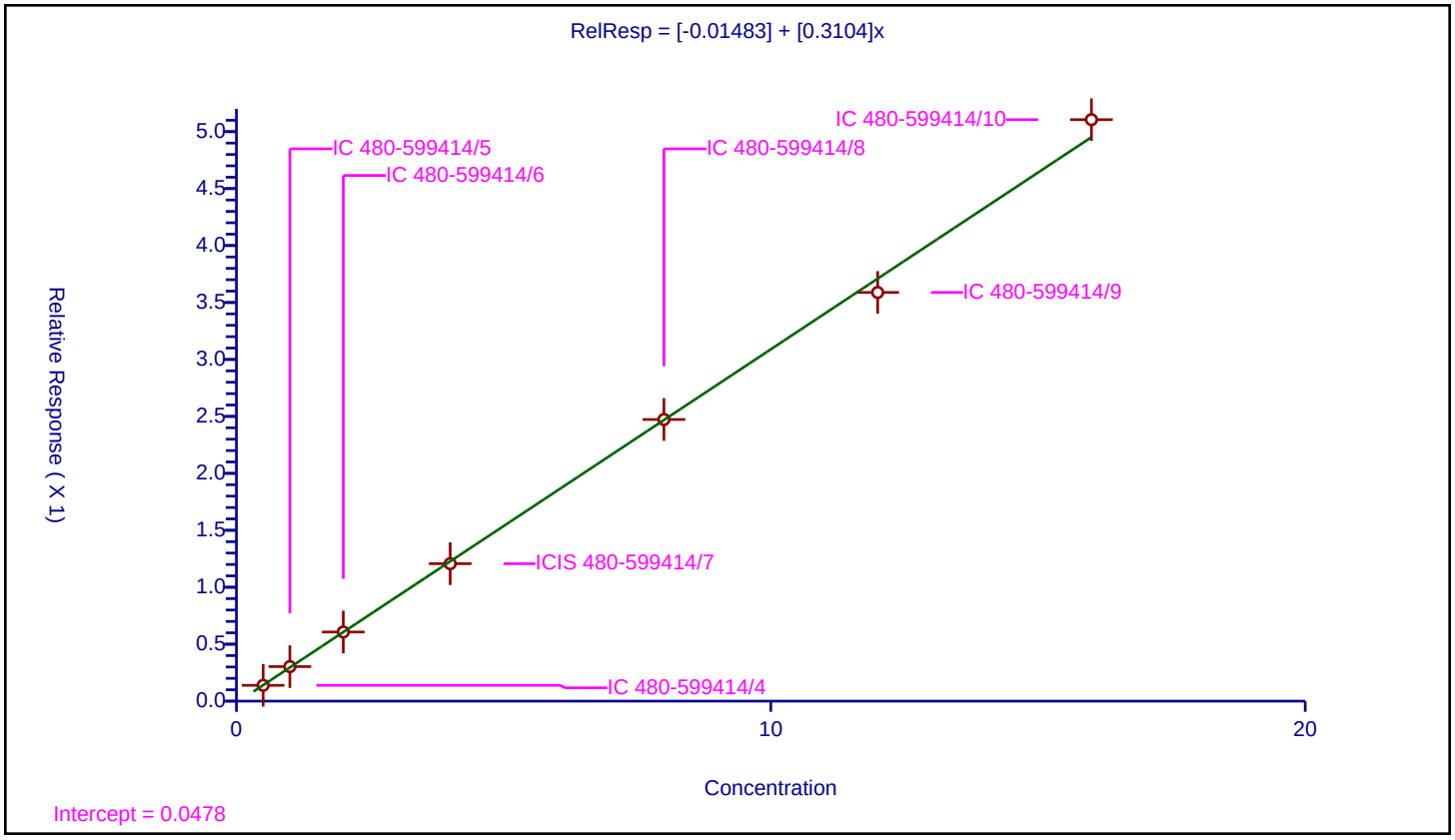
Curve Coefficients

Intercept:	-0.01483
Slope:	0.3104

Error Coefficients

Standard Error:	486000
Relative Standard Error:	2.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.138762	4.0	621984.0	0.277525	Y
2	IC 480-599414/5	1.0	0.303134	4.0	627631.0	0.303134	Y
3	IC 480-599414/6	2.0	0.607	4.0	657911.0	0.3035	Y
4	ICIS 480-599414/7	4.0	1.20686	4.0	643571.0	0.301715	Y
5	IC 480-599414/8	8.0	2.472862	4.0	636833.0	0.309108	Y
6	IC 480-599414/9	12.0	3.588357	4.0	643052.0	0.29903	Y
7	IC 480-599414/10	16.0	5.105627	4.0	628009.0	0.319102	Y



Calibration / 2,4-Dinitrophenol

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

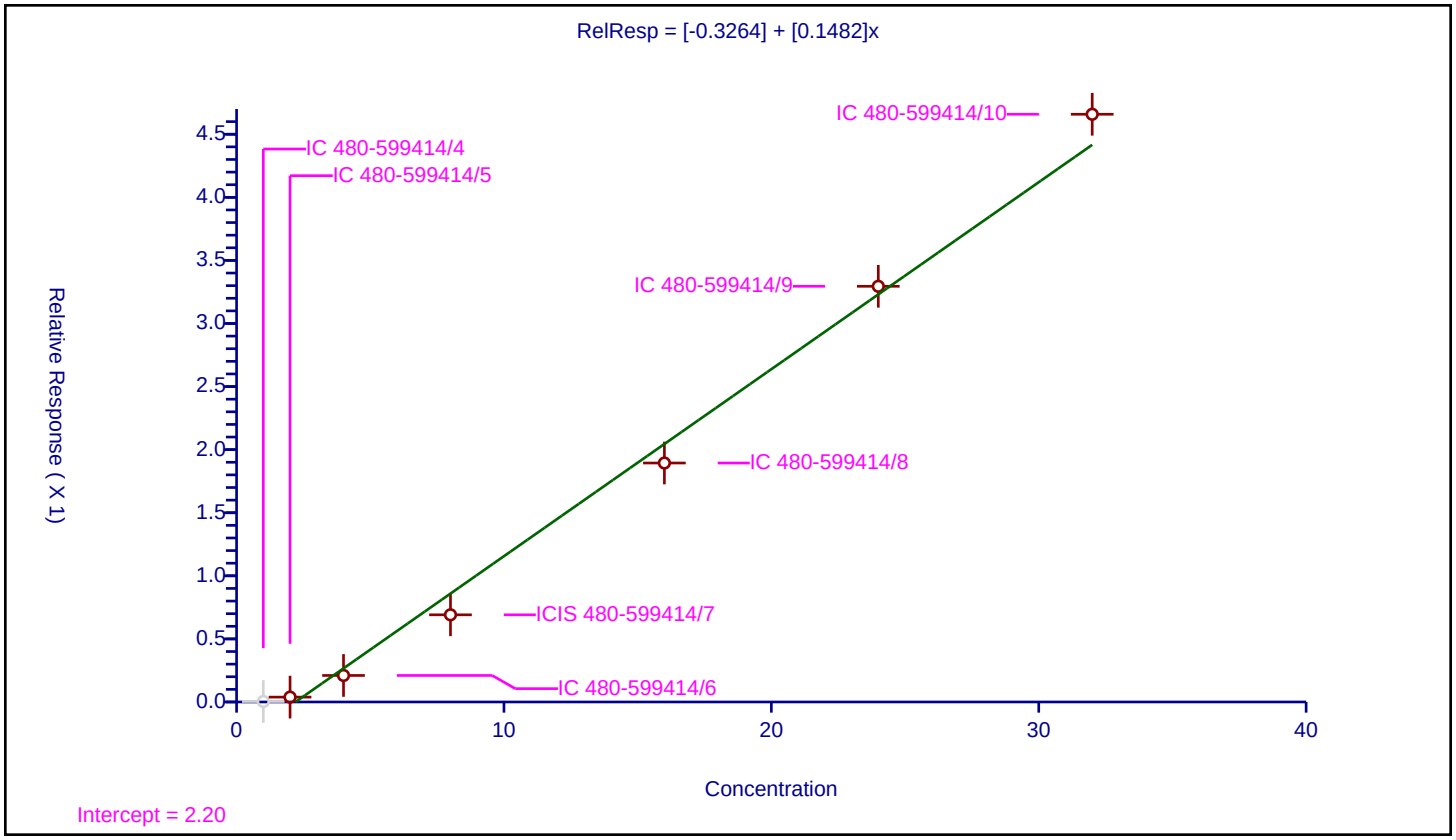
Curve Coefficients

Intercept:	-0.3264
Slope:	0.1482

Error Coefficients

Standard Error:	480000
Relative Standard Error:	14.9
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	1.0	0.003871	4.0	621984.0	0.003871	N
2	IC 480-599414/5	2.0	0.038475	4.0	627631.0	0.019237	Y
3	IC 480-599414/6	4.0	0.210296	4.0	657911.0	0.052574	Y
4	ICIS 480-599414/7	8.0	0.691137	4.0	643571.0	0.086392	Y
5	IC 480-599414/8	16.0	1.894117	4.0	636833.0	0.118382	Y
6	IC 480-599414/9	24.0	3.294931	4.0	643052.0	0.137289	Y
7	IC 480-599414/10	32.0	4.658303	4.0	628009.0	0.145572	Y



Calibration / Acenaphthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

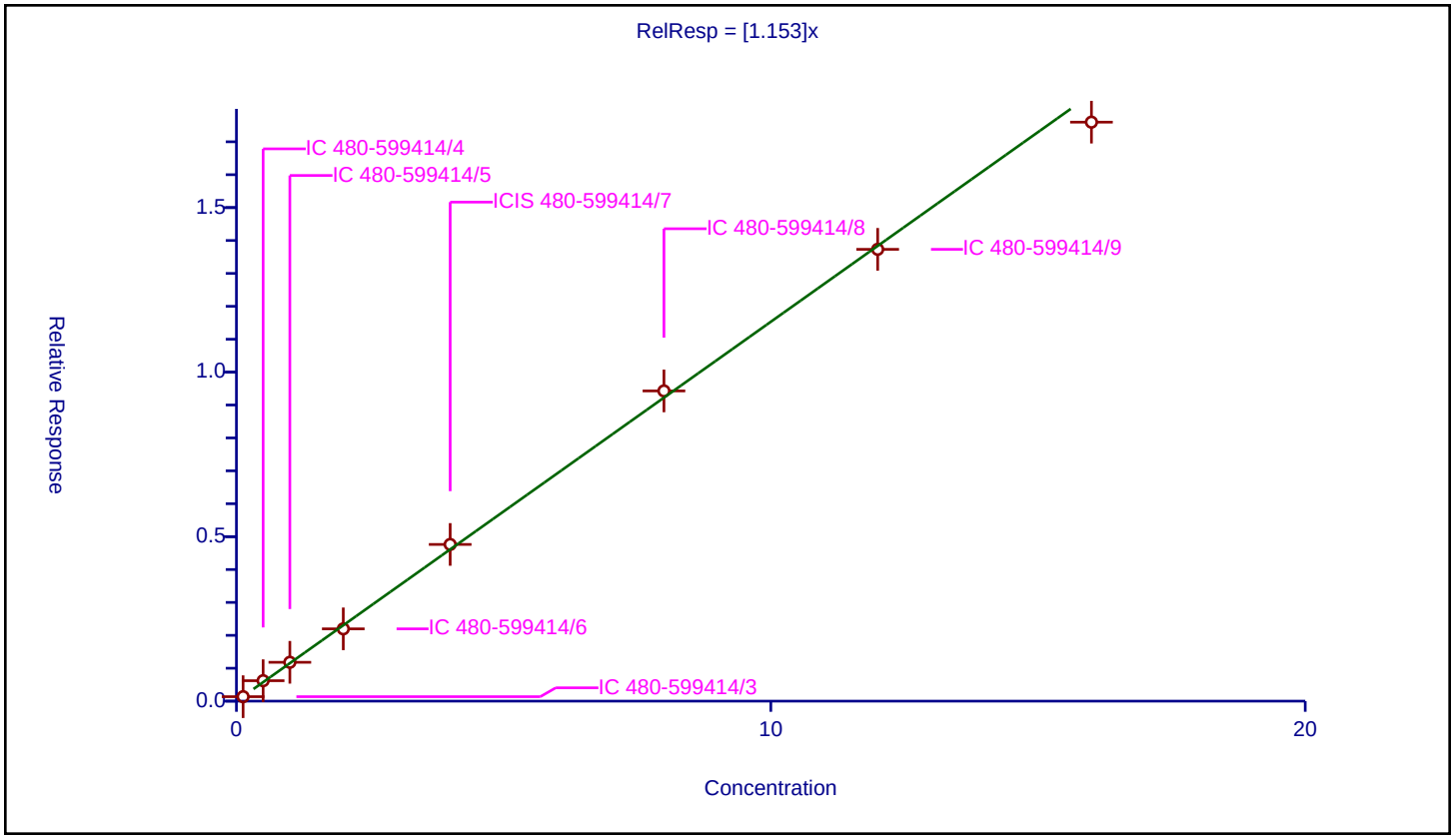
Curve Coefficients

Intercept:	0
Slope:	1.153

Error Coefficients

Standard Error:	1490000
Relative Standard Error:	4.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/3	0.125	0.135948	4.0	626327.0	1.087585	Y
2	IC 480-599414/4	0.5	0.621508	4.0	621984.0	1.243016	Y
3	IC 480-599414/5	1.0	1.180993	4.0	627631.0	1.180993	Y
4	IC 480-599414/6	2.0	2.197641	4.0	657911.0	1.09882	Y
5	ICIS 480-599414/7	4.0	4.762427	4.0	643571.0	1.190607	Y
6	IC 480-599414/8	8.0	9.428563	4.0	636833.0	1.17857	Y
7	IC 480-599414/9	12.0	13.731655	4.0	643052.0	1.144305	Y
8	IC 480-599414/10	16.0	17.597245	4.0	628009.0	1.099828	Y



Calibration / 4-Nitrophenol

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

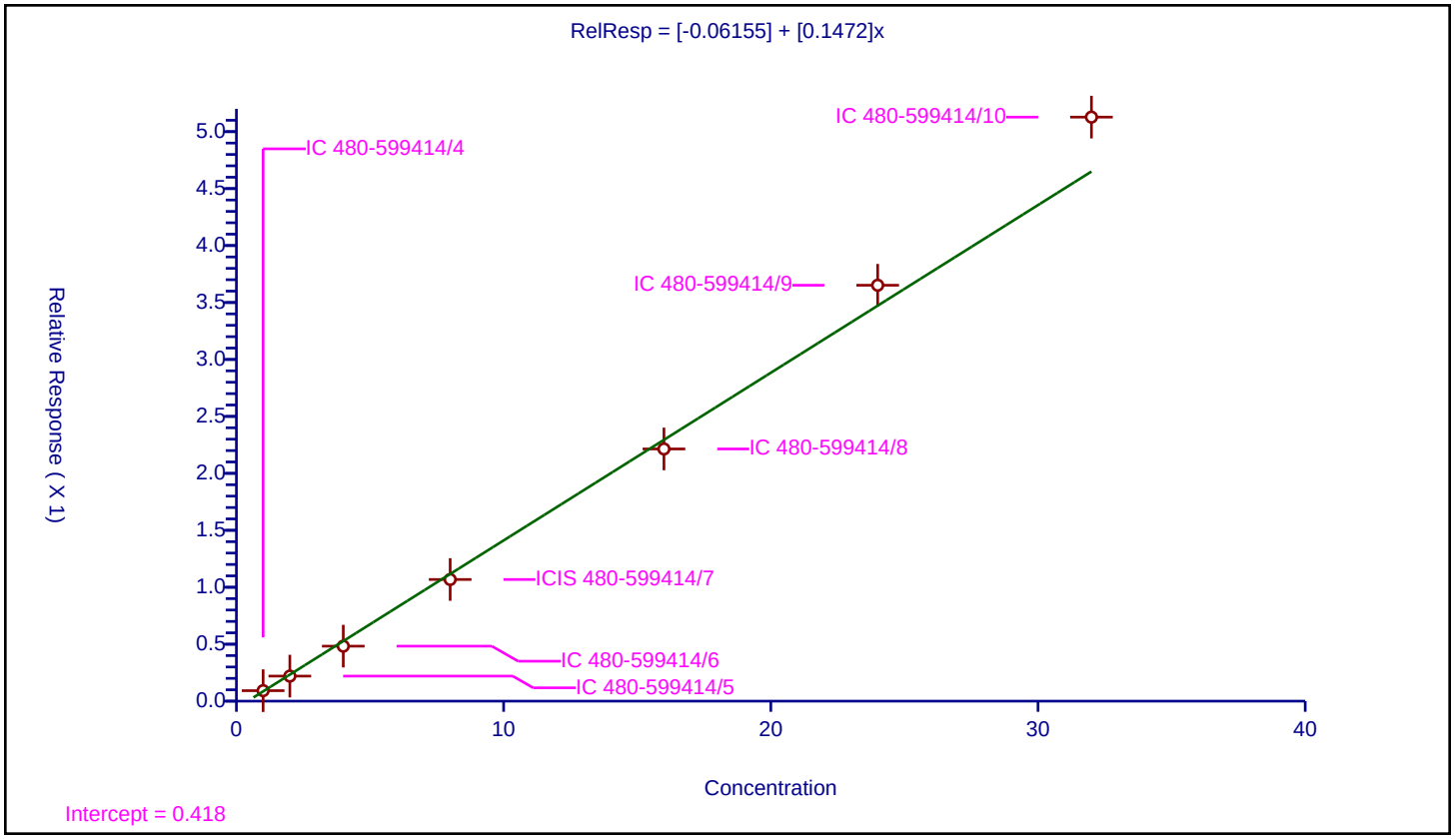
Curve Coefficients

Intercept:	-0.06155
Slope:	0.1472

Error Coefficients

Standard Error:	480000
Relative Standard Error:	7.1
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	1.0	0.092035	4.0	621984.0	0.092035	Y
2	IC 480-599414/5	2.0	0.219849	4.0	627631.0	0.109924	Y
3	IC 480-599414/6	4.0	0.482704	4.0	657911.0	0.120676	Y
4	ICIS 480-599414/7	8.0	1.067997	4.0	643571.0	0.1335	Y
5	IC 480-599414/8	16.0	2.214113	4.0	636833.0	0.138382	Y
6	IC 480-599414/9	24.0	3.651611	4.0	643052.0	0.15215	Y
7	IC 480-599414/10	32.0	5.127659	4.0	628009.0	0.160239	Y



Calibration / 2,4-Dinitrotoluene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

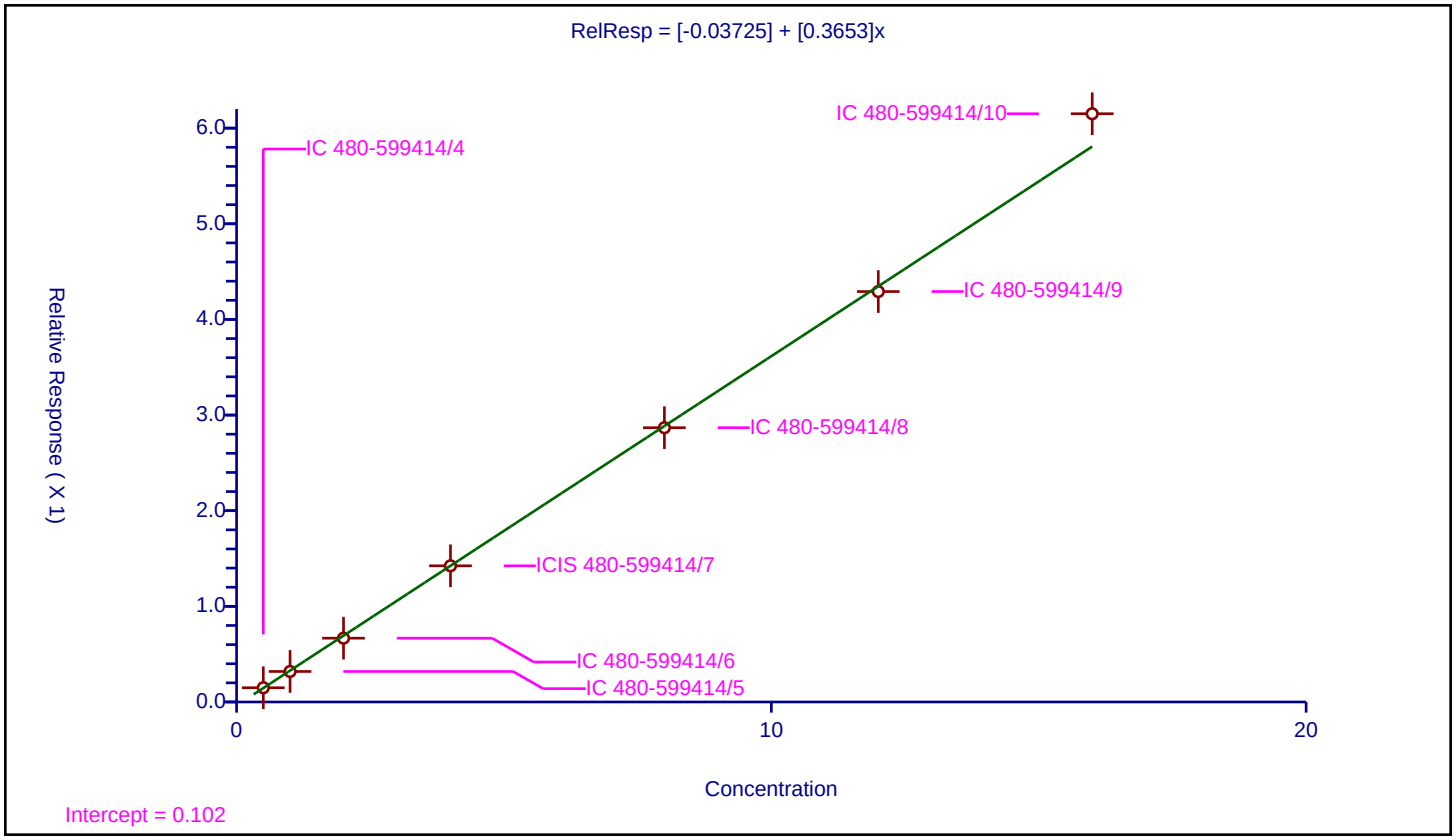
Curve Coefficients

Intercept:	-0.03725
Slope:	0.3653

Error Coefficients

Standard Error:	580000
Relative Standard Error:	3.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.149084	4.0	621984.0	0.298168	Y
2	IC 480-599414/5	1.0	0.319245	4.0	627631.0	0.319245	Y
3	IC 480-599414/6	2.0	0.667057	4.0	657911.0	0.333528	Y
4	ICIS 480-599414/7	4.0	1.423799	4.0	643571.0	0.35595	Y
5	IC 480-599414/8	8.0	2.867835	4.0	636833.0	0.358479	Y
6	IC 480-599414/9	12.0	4.29156	4.0	643052.0	0.35763	Y
7	IC 480-599414/10	16.0	6.150536	4.0	628009.0	0.384409	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

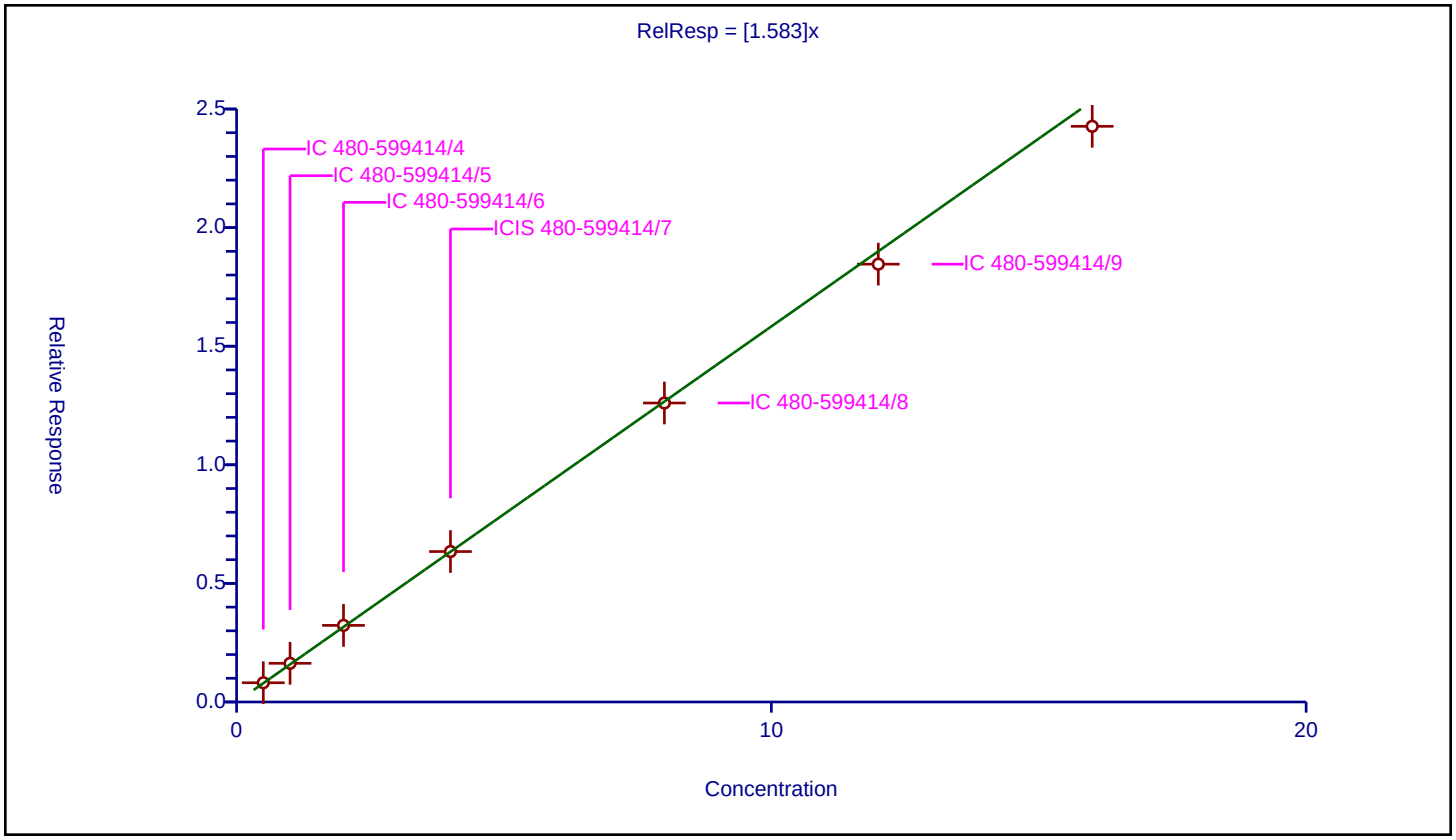
Curve Coefficients

Intercept:	0
Slope:	1.583

Error Coefficients

Standard Error:	2190000
Relative Standard Error:	2.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.81078	4.0	621984.0	1.621559	Y
2	IC 480-599414/5	1.0	1.630939	4.0	627631.0	1.630939	Y
3	IC 480-599414/6	2.0	3.229264	4.0	657911.0	1.614632	Y
4	ICIS 480-599414/7	4.0	6.342697	4.0	643571.0	1.585674	Y
5	IC 480-599414/8	8.0	12.604309	4.0	636833.0	1.575539	Y
6	IC 480-599414/9	12.0	18.458594	4.0	643052.0	1.538216	Y
7	IC 480-599414/10	16.0	24.270525	4.0	628009.0	1.516908	Y



Calibration / 2,3,4,6-Tetrachlorophenol

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

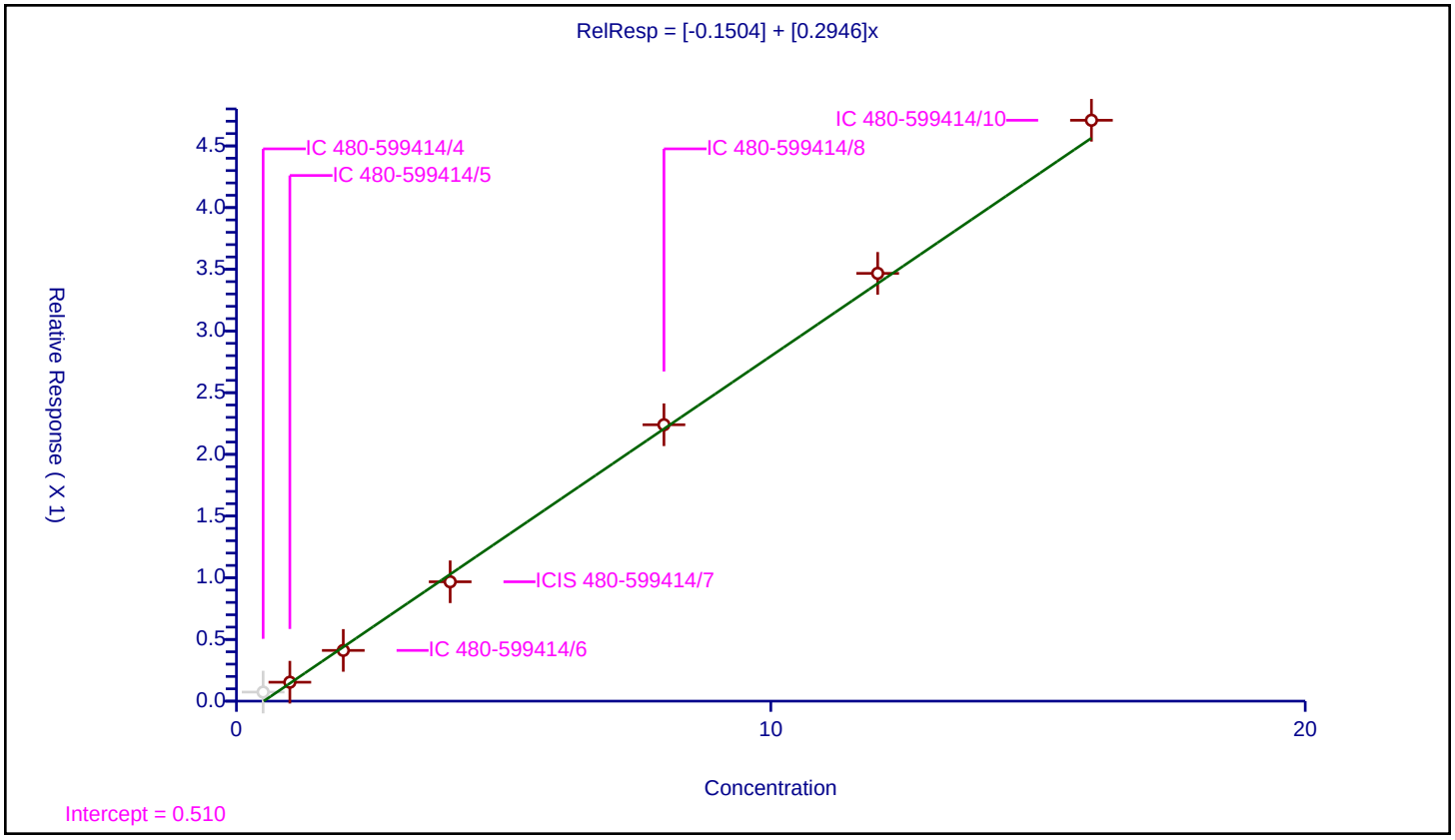
Curve Coefficients

Intercept:	-0.1504
Slope:	0.2946

Error Coefficients

Standard Error:	503000
Relative Standard Error:	4.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.073475	4.0	621984.0	0.146949	N
2	IC 480-599414/5	1.0	0.153358	4.0	627631.0	0.153358	Y
3	IC 480-599414/6	2.0	0.41101	4.0	657911.0	0.205505	Y
4	ICIS 480-599414/7	4.0	0.967384	4.0	643571.0	0.241846	Y
5	IC 480-599414/8	8.0	2.240097	4.0	636833.0	0.280012	Y
6	IC 480-599414/9	12.0	3.467129	4.0	643052.0	0.288927	Y
7	IC 480-599414/10	16.0	4.707882	4.0	628009.0	0.294243	Y



Calibration / Hexadecane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

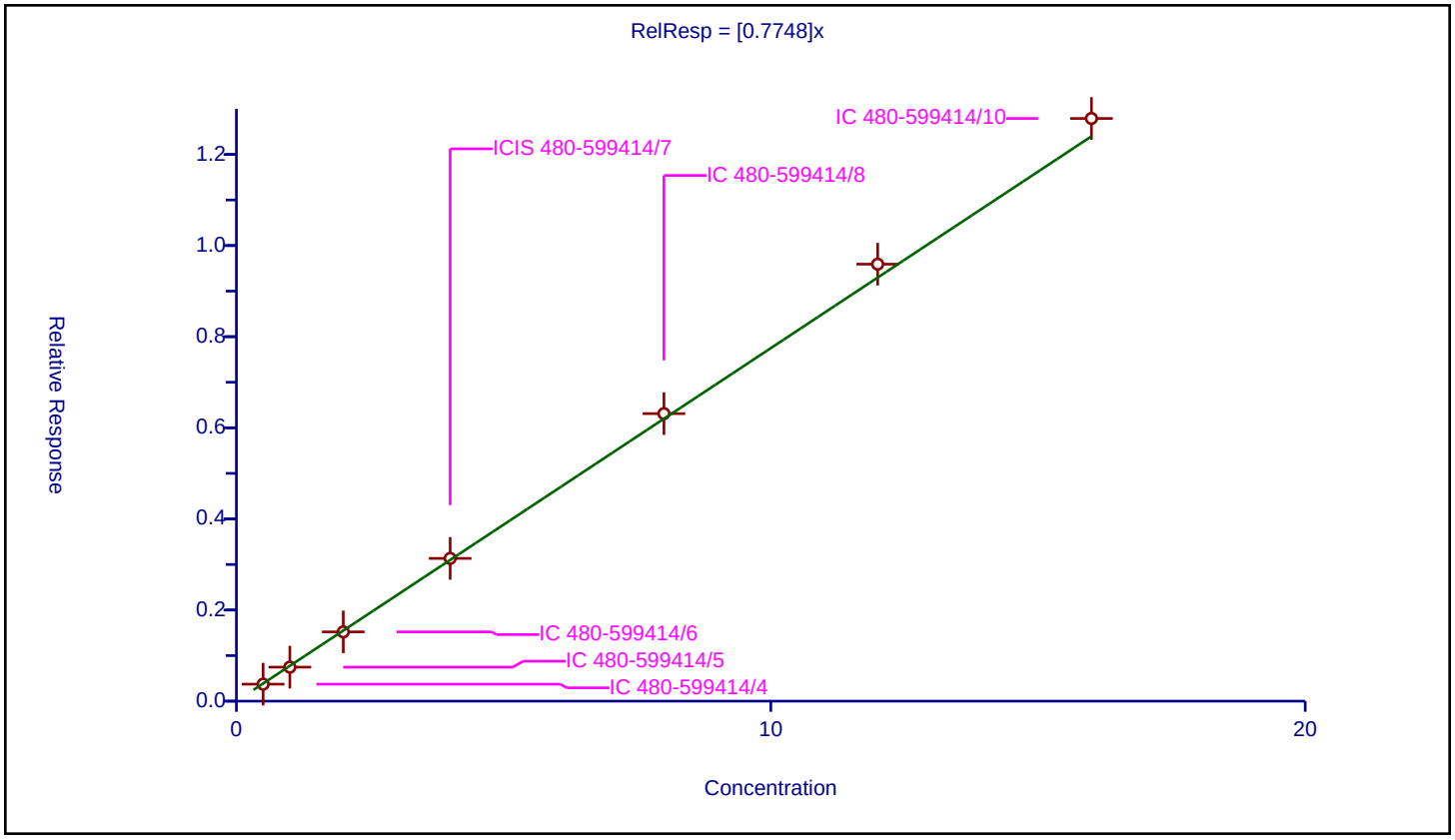
Curve Coefficients

Intercept:	0
Slope:	0.7748

Error Coefficients

Standard Error:	1140000
Relative Standard Error:	3.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.373084	4.0	621984.0	0.746167	Y
2	IC 480-599414/5	1.0	0.746407	4.0	627631.0	0.746407	Y
3	IC 480-599414/6	2.0	1.520601	4.0	657911.0	0.7603	Y
4	ICIS 480-599414/7	4.0	3.133118	4.0	643571.0	0.78328	Y
5	IC 480-599414/8	8.0	6.31113	4.0	636833.0	0.788891	Y
6	IC 480-599414/9	12.0	9.591809	4.0	643052.0	0.799317	Y
7	IC 480-599414/10	16.0	12.789556	4.0	628009.0	0.799347	Y



Calibration / Diethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

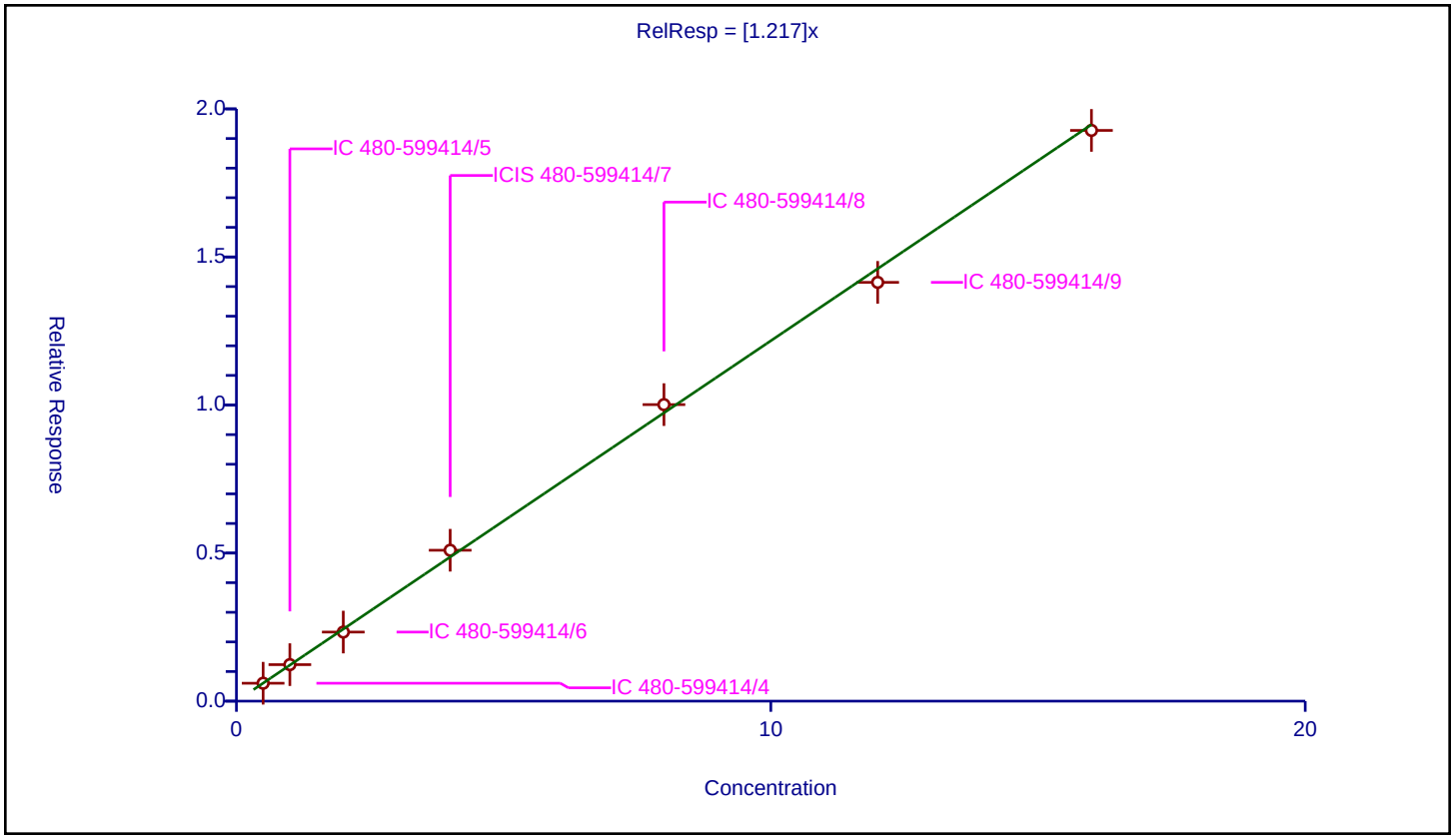
Curve Coefficients

Intercept:	0
Slope:	1.217

Error Coefficients

Standard Error:	1720000
Relative Standard Error:	3.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.605237	4.0	621984.0	1.210475	Y
2	IC 480-599414/5	1.0	1.232788	4.0	627631.0	1.232788	Y
3	IC 480-599414/6	2.0	2.332996	4.0	657911.0	1.166498	Y
4	ICIS 480-599414/7	4.0	5.095258	4.0	643571.0	1.273814	Y
5	IC 480-599414/8	8.0	10.013489	4.0	636833.0	1.251686	Y
6	IC 480-599414/9	12.0	14.141743	4.0	643052.0	1.178479	Y
7	IC 480-599414/10	16.0	19.273023	4.0	628009.0	1.204564	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

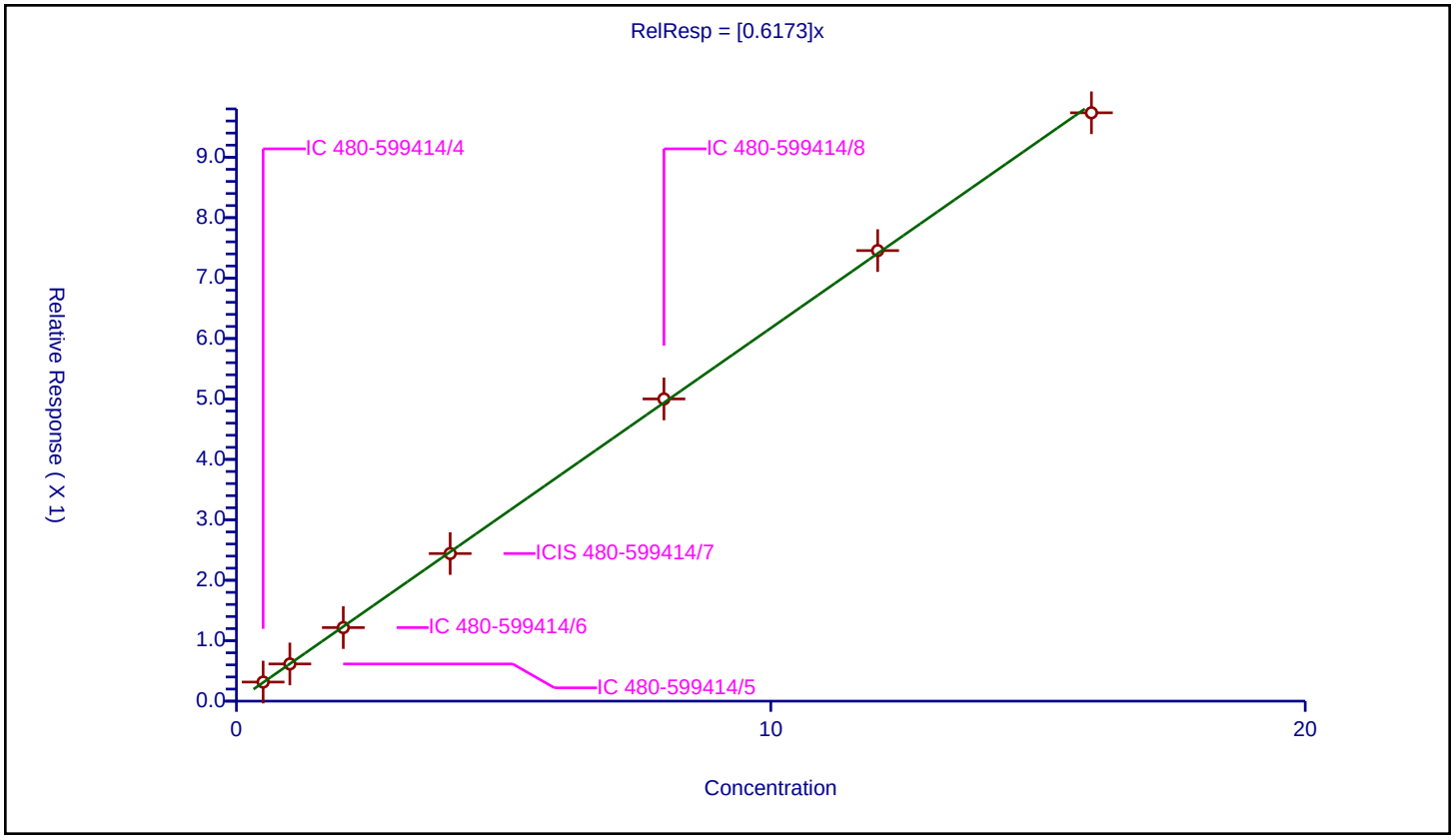
Curve Coefficients

Intercept:	0
Slope:	0.6173

Error Coefficients

Standard Error:	877000
Relative Standard Error:	1.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.315796	4.0	621984.0	0.631592	Y
2	IC 480-599414/5	1.0	0.615623	4.0	627631.0	0.615623	Y
3	IC 480-599414/6	2.0	1.217113	4.0	657911.0	0.608556	Y
4	ICIS 480-599414/7	4.0	2.442024	4.0	643571.0	0.610506	Y
5	IC 480-599414/8	8.0	5.000539	4.0	636833.0	0.625067	Y
6	IC 480-599414/9	12.0	7.455453	4.0	643052.0	0.621288	Y
7	IC 480-599414/10	16.0	9.73565	4.0	628009.0	0.608478	Y



Calibration / 4-Nitroaniline

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

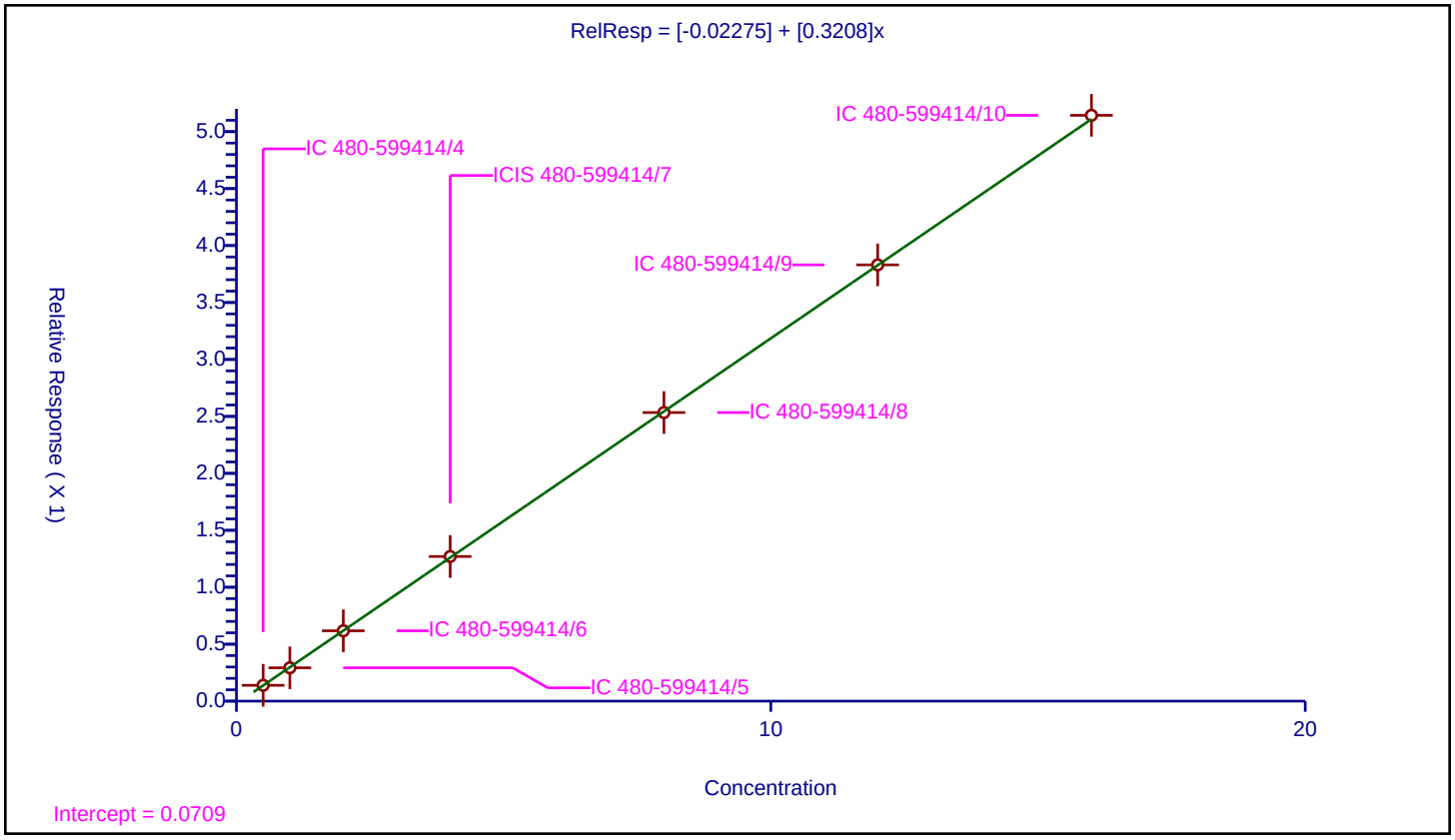
Curve Coefficients

Intercept:	-0.02275
Slope:	0.3208

Error Coefficients

Standard Error:	500000
Relative Standard Error:	1.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.138955	4.0	621984.0	0.277911	Y
2	IC 480-599414/5	1.0	0.292599	4.0	627631.0	0.292599	Y
3	IC 480-599414/6	2.0	0.617439	4.0	657911.0	0.30872	Y
4	ICIS 480-599414/7	4.0	1.269976	4.0	643571.0	0.317494	Y
5	IC 480-599414/8	8.0	2.533832	4.0	636833.0	0.316729	Y
6	IC 480-599414/9	12.0	3.830483	4.0	643052.0	0.319207	Y
7	IC 480-599414/10	16.0	5.143595	4.0	628009.0	0.321475	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

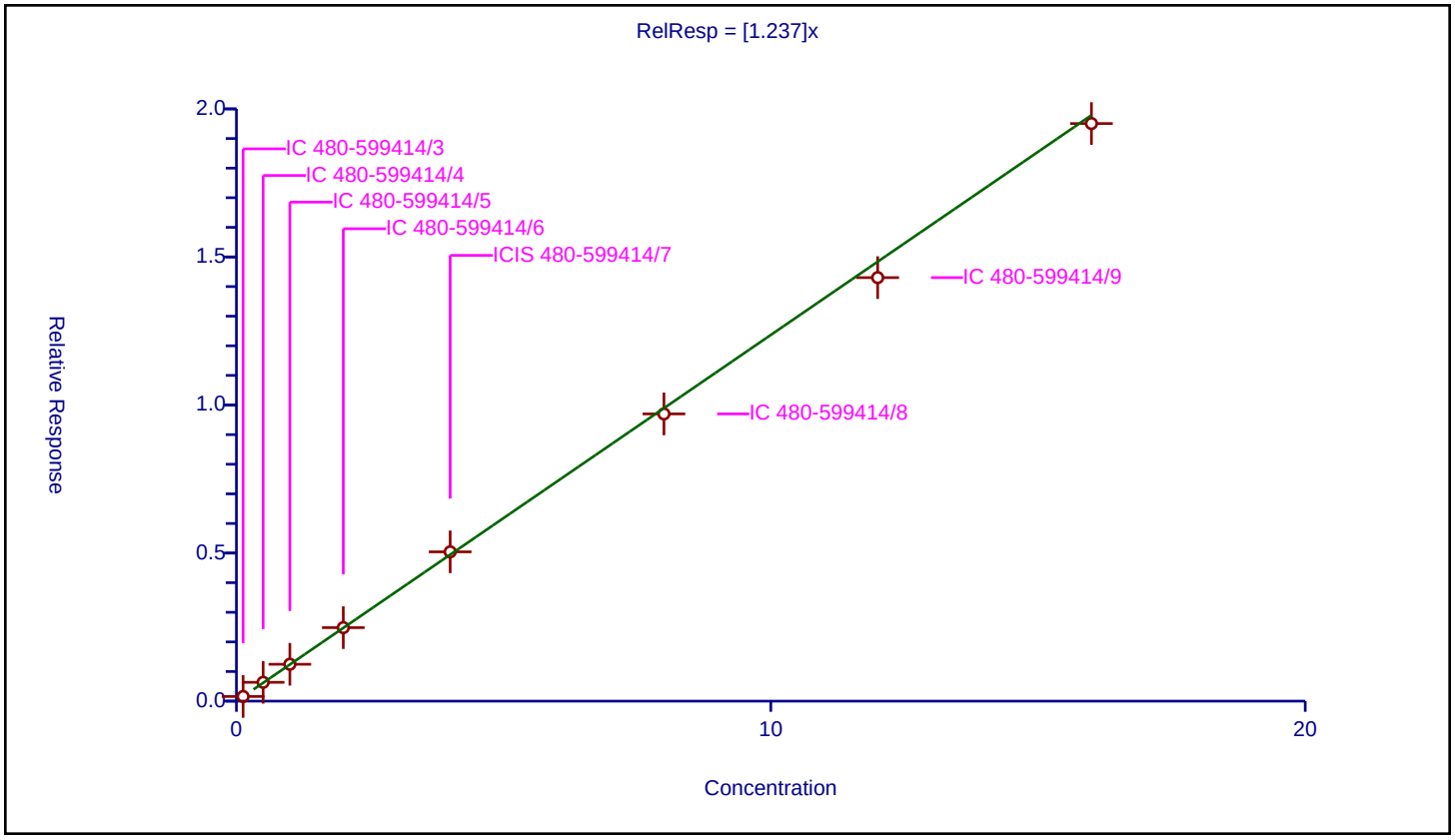
Curve Coefficients

Intercept:	0
Slope:	1.237

Error Coefficients

Standard Error:	1600000
Relative Standard Error:	2.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/3	0.125	0.15664	4.0	626327.0	1.253122	Y
2	IC 480-599414/4	0.5	0.635155	4.0	621984.0	1.270309	Y
3	IC 480-599414/5	1.0	1.244884	4.0	627631.0	1.244884	Y
4	IC 480-599414/6	2.0	2.481989	4.0	657911.0	1.240995	Y
5	ICIS 480-599414/7	4.0	5.041315	4.0	643571.0	1.260329	Y
6	IC 480-599414/8	8.0	9.700245	4.0	636833.0	1.212531	Y
7	IC 480-599414/9	12.0	14.302091	4.0	643052.0	1.191841	Y
8	IC 480-599414/10	16.0	19.505166	4.0	628009.0	1.219073	Y



Calibration / 4,6-Dinitro-2-methylphenol

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

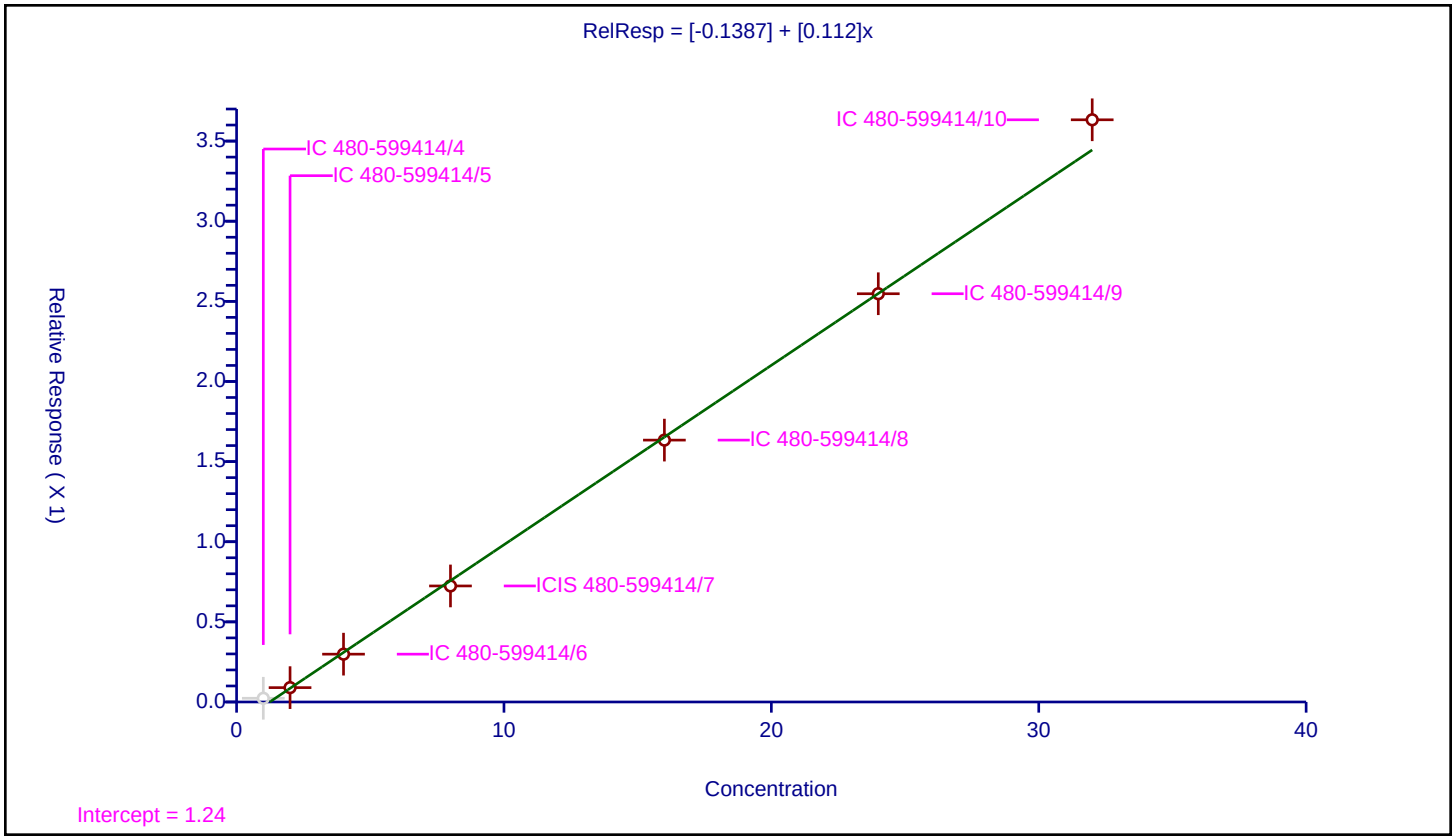
Curve Coefficients

Intercept:	-0.1387
Slope:	0.112

Error Coefficients

Standard Error:	642000
Relative Standard Error:	3.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	1.0	0.023143	4.0	1054674.0	0.023143	N
2	IC 480-599414/5	2.0	0.089527	4.0	1029232.0	0.044763	Y
3	IC 480-599414/6	4.0	0.298498	4.0	1068066.0	0.074625	Y
4	ICIS 480-599414/7	8.0	0.724084	4.0	1087023.0	0.090511	Y
5	IC 480-599414/8	16.0	1.634094	4.0	1078271.0	0.102131	Y
6	IC 480-599414/9	24.0	2.547433	4.0	1076117.0	0.106143	Y
7	IC 480-599414/10	32.0	3.632735	4.0	1066195.0	0.113523	Y



Calibration / Diphenylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

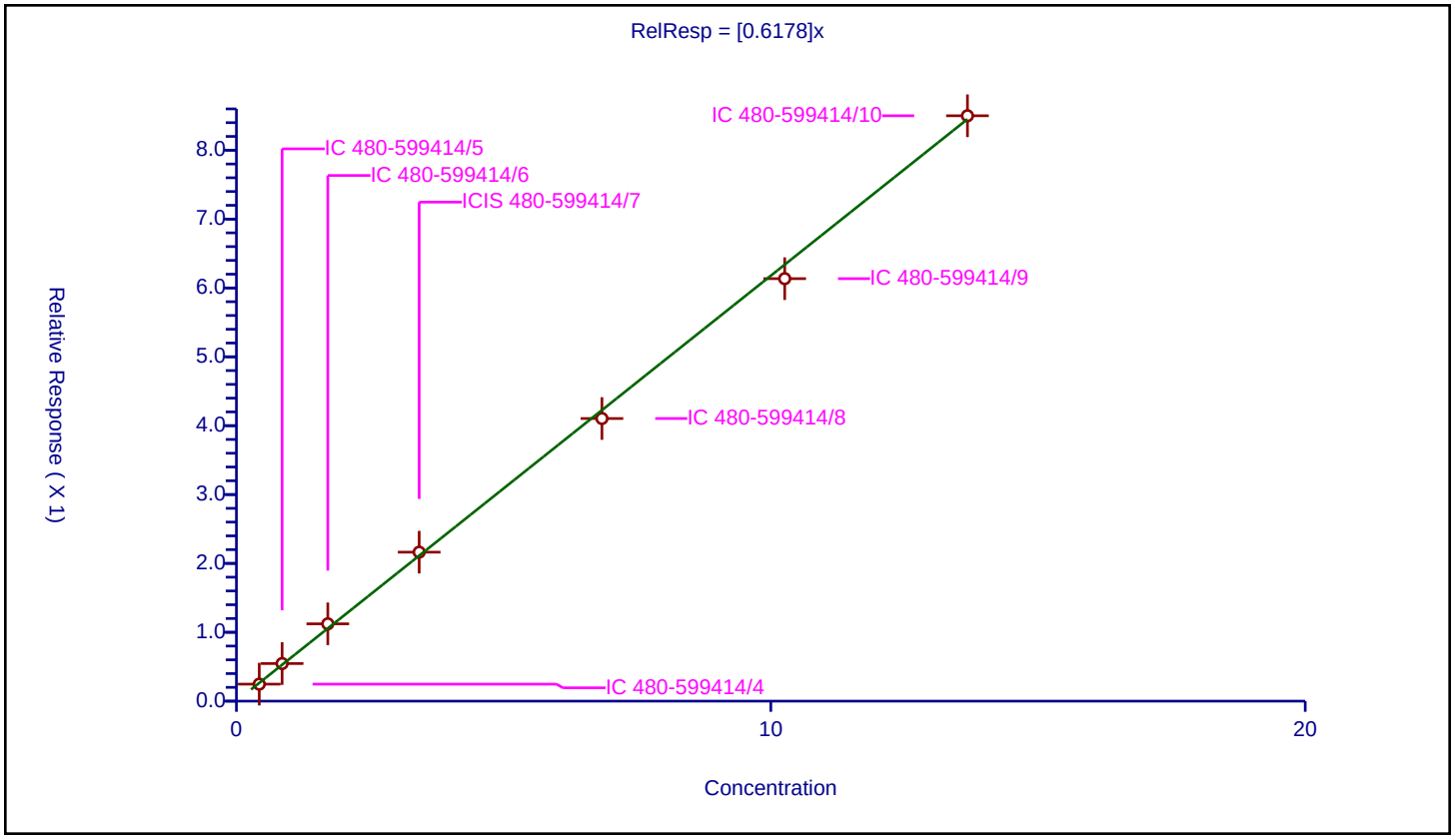
Curve Coefficients

Intercept:	0
Slope:	0.6178

Error Coefficients

Standard Error:	1260000
Relative Standard Error:	4.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.4275	0.247079	4.0	1054674.0	0.577963	Y
2	IC 480-599414/5	0.855	0.545731	4.0	1029232.0	0.638282	Y
3	IC 480-599414/6	1.71	1.122369	4.0	1068066.0	0.656356	Y
4	ICIS 480-599414/7	3.42	2.163284	4.0	1087023.0	0.632539	Y
5	IC 480-599414/8	6.84	4.104126	4.0	1078271.0	0.600018	Y
6	IC 480-599414/9	10.26	6.134694	4.0	1076117.0	0.597923	Y
7	IC 480-599414/10	13.68	8.500378	4.0	1066195.0	0.621373	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

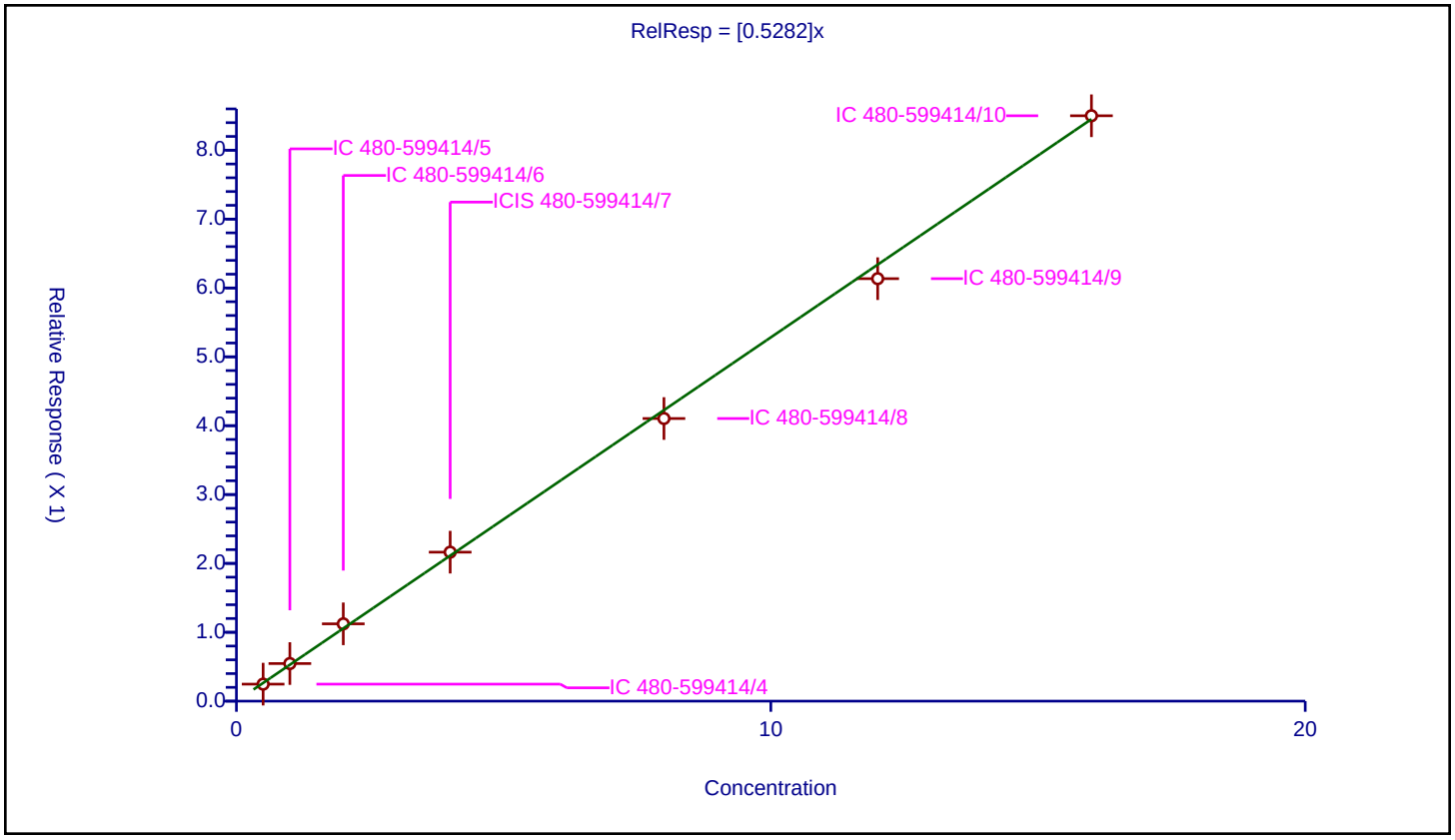
Curve Coefficients

Intercept:	0
Slope:	0.5282

Error Coefficients

Standard Error:	1260000
Relative Standard Error:	4.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.247079	4.0	1054674.0	0.494158	Y
2	IC 480-599414/5	1.0	0.545731	4.0	1029232.0	0.545731	Y
3	IC 480-599414/6	2.0	1.122369	4.0	1068066.0	0.561184	Y
4	ICIS 480-599414/7	4.0	2.163284	4.0	1087023.0	0.540821	Y
5	IC 480-599414/8	8.0	4.104126	4.0	1078271.0	0.513016	Y
6	IC 480-599414/9	12.0	6.134694	4.0	1076117.0	0.511224	Y
7	IC 480-599414/10	16.0	8.500378	4.0	1066195.0	0.531274	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

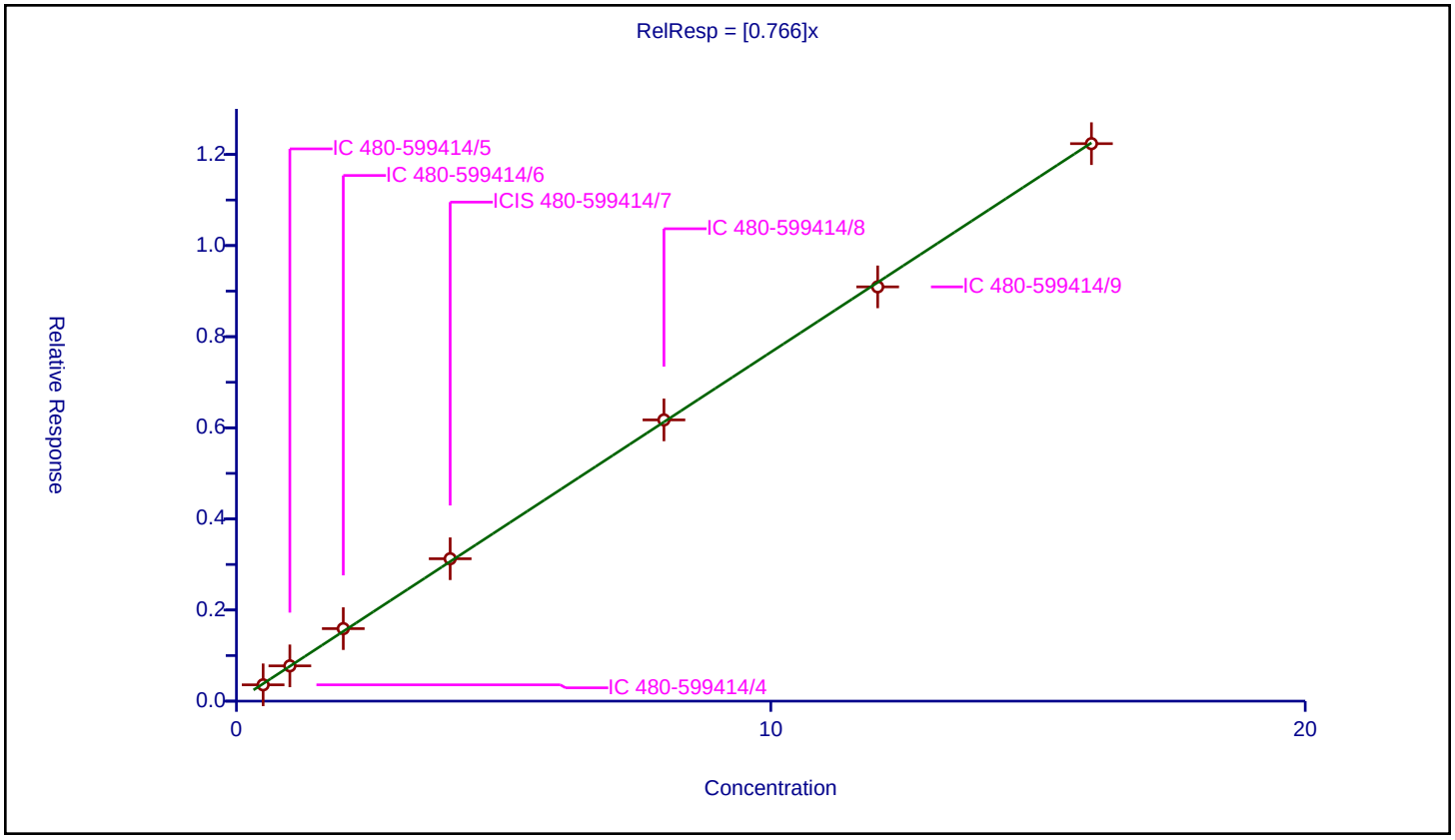
Curve Coefficients

Intercept:	0
Slope:	0.766

Error Coefficients

Standard Error:	1840000
Relative Standard Error:	3.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.358154	4.0	1054674.0	0.716309	Y
2	IC 480-599414/5	1.0	0.774142	4.0	1029232.0	0.774142	Y
3	IC 480-599414/6	2.0	1.591385	4.0	1068066.0	0.795692	Y
4	ICIS 480-599414/7	4.0	3.125693	4.0	1087023.0	0.781423	Y
5	IC 480-599414/8	8.0	6.17306	4.0	1078271.0	0.771633	Y
6	IC 480-599414/9	12.0	9.093257	4.0	1076117.0	0.757771	Y
7	IC 480-599414/10	16.0	12.237064	4.0	1066195.0	0.764816	Y



Calibration / Azobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

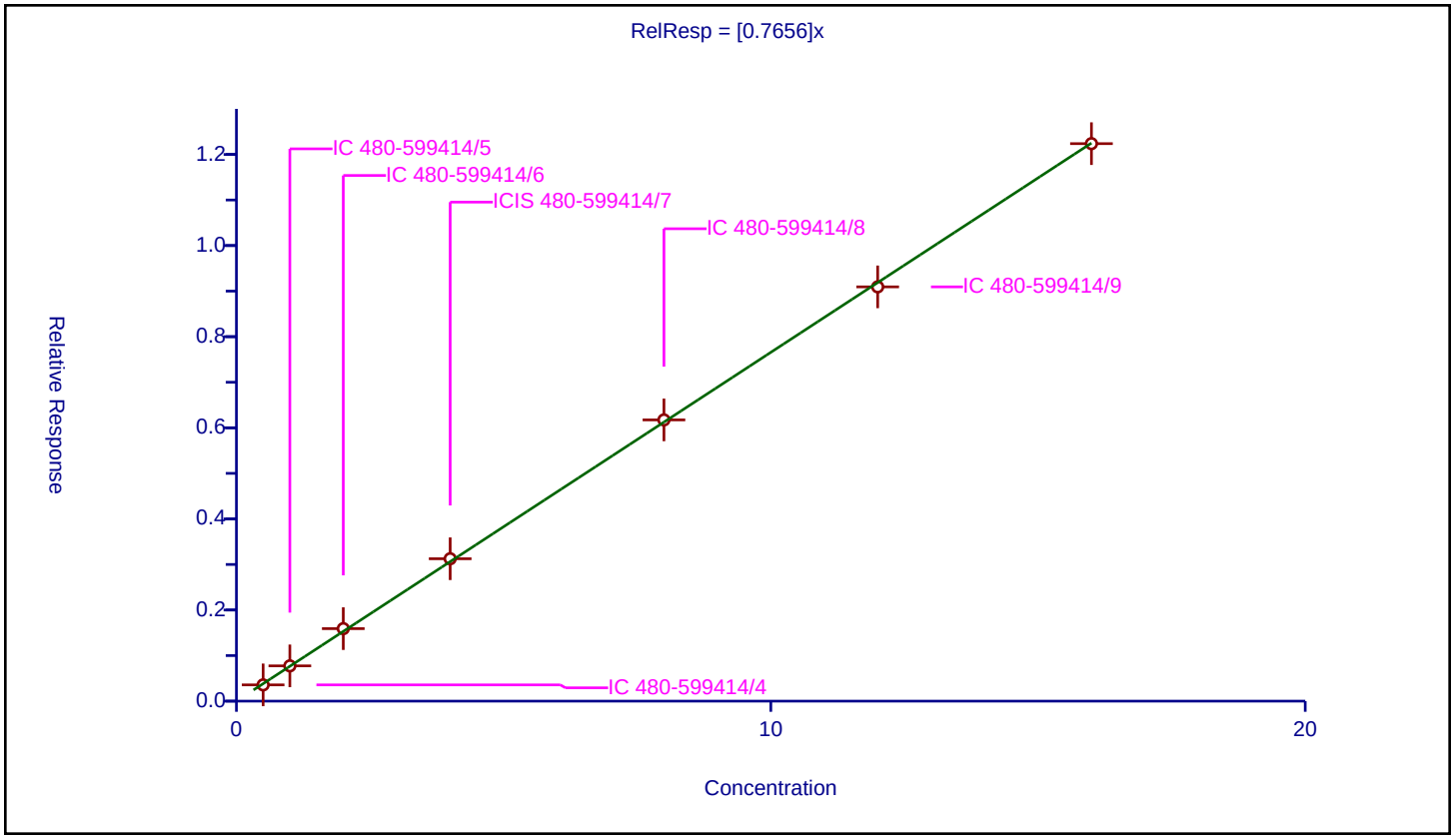
Curve Coefficients

Intercept:	0
Slope:	0.7656

Error Coefficients

Standard Error:	1840000
Relative Standard Error:	3.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.356899	4.0	1054674.0	0.713798	Y
2	IC 480-599414/5	1.0	0.774142	4.0	1029232.0	0.774142	Y
3	IC 480-599414/6	2.0	1.591385	4.0	1068066.0	0.795692	Y
4	ICIS 480-599414/7	4.0	3.125693	4.0	1087023.0	0.781423	Y
5	IC 480-599414/8	8.0	6.17306	4.0	1078271.0	0.771633	Y
6	IC 480-599414/9	12.0	9.093257	4.0	1076117.0	0.757771	Y
7	IC 480-599414/10	16.0	12.237064	4.0	1066195.0	0.764816	Y



Calibration / 2,4,6-Tribromophenol

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

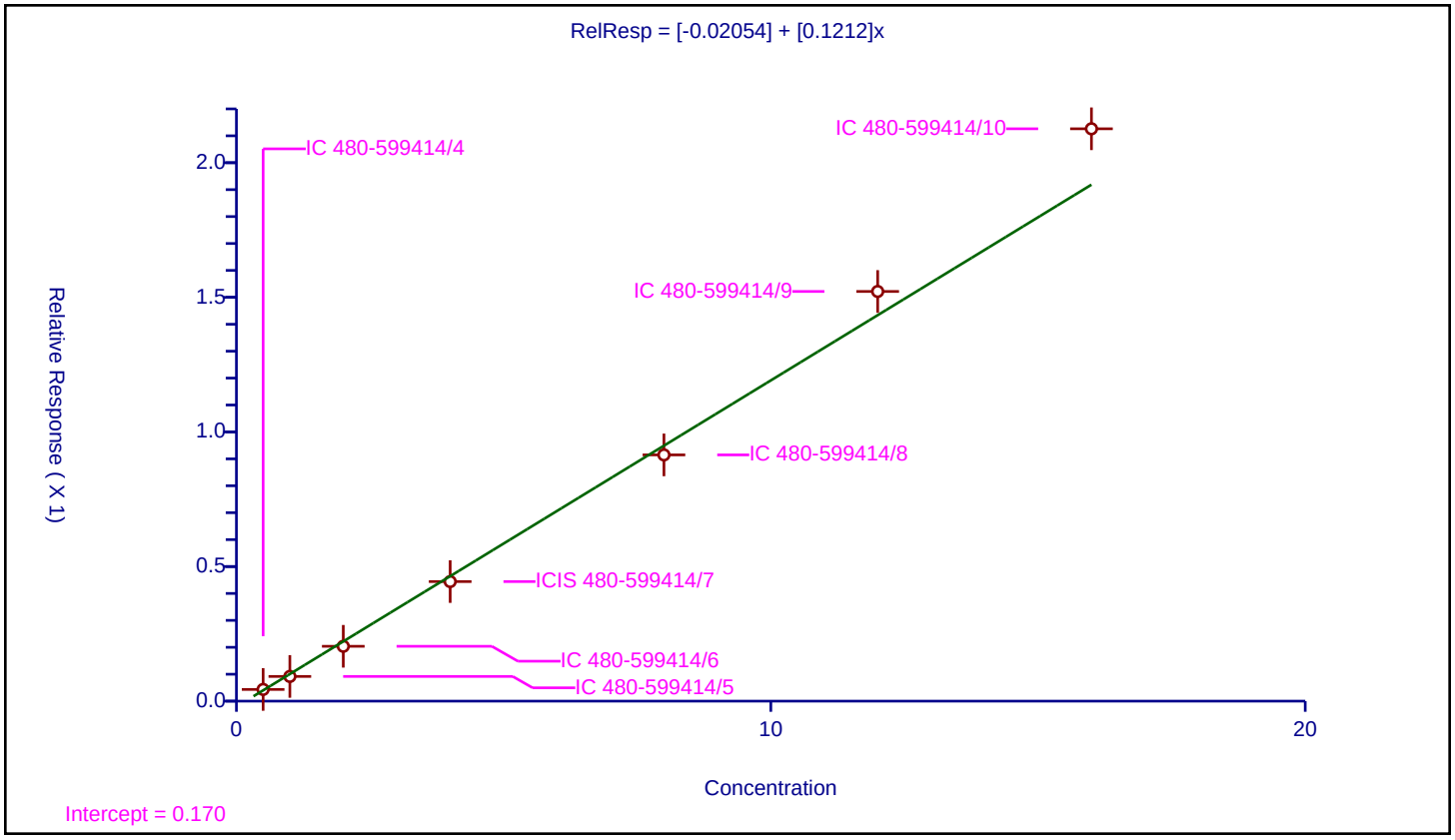
Curve Coefficients

Intercept:	-0.02054
Slope:	0.1212

Error Coefficients

Standard Error:	337000
Relative Standard Error:	8.0
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.04349	4.0	1054674.0	0.08698	Y
2	IC 480-599414/5	1.0	0.091762	4.0	1029232.0	0.091762	Y
3	IC 480-599414/6	2.0	0.203781	4.0	1068066.0	0.101891	Y
4	ICIS 480-599414/7	4.0	0.444156	4.0	1087023.0	0.111039	Y
5	IC 480-599414/8	8.0	0.914716	4.0	1078271.0	0.11434	Y
6	IC 480-599414/9	12.0	1.521805	4.0	1076117.0	0.126817	Y
7	IC 480-599414/10	16.0	2.126084	4.0	1066195.0	0.13288	Y



Calibration / 4-Bromophenyl phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

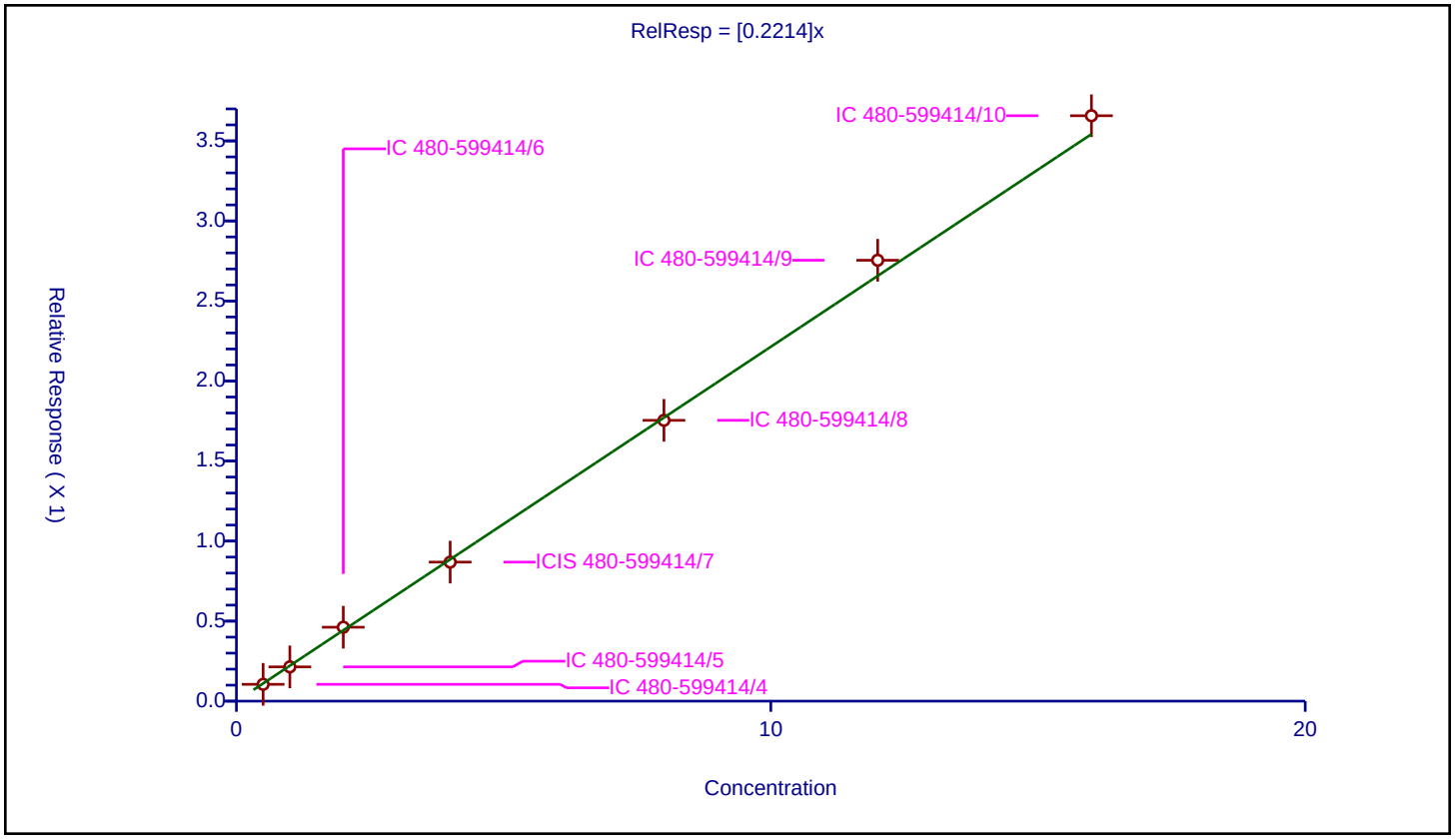
Curve Coefficients

Intercept:	0
Slope:	0.2214

Error Coefficients

Standard Error:	547000
Relative Standard Error:	3.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.105064	4.0	1054674.0	0.210127	Y
2	IC 480-599414/5	1.0	0.214086	4.0	1029232.0	0.214086	Y
3	IC 480-599414/6	2.0	0.46175	4.0	1068066.0	0.230875	Y
4	ICIS 480-599414/7	4.0	0.868651	4.0	1087023.0	0.217163	Y
5	IC 480-599414/8	8.0	1.754323	4.0	1078271.0	0.21929	Y
6	IC 480-599414/9	12.0	2.754321	4.0	1076117.0	0.229527	Y
7	IC 480-599414/10	16.0	3.657275	4.0	1066195.0	0.22858	Y



Calibration / Hexachlorobenzene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

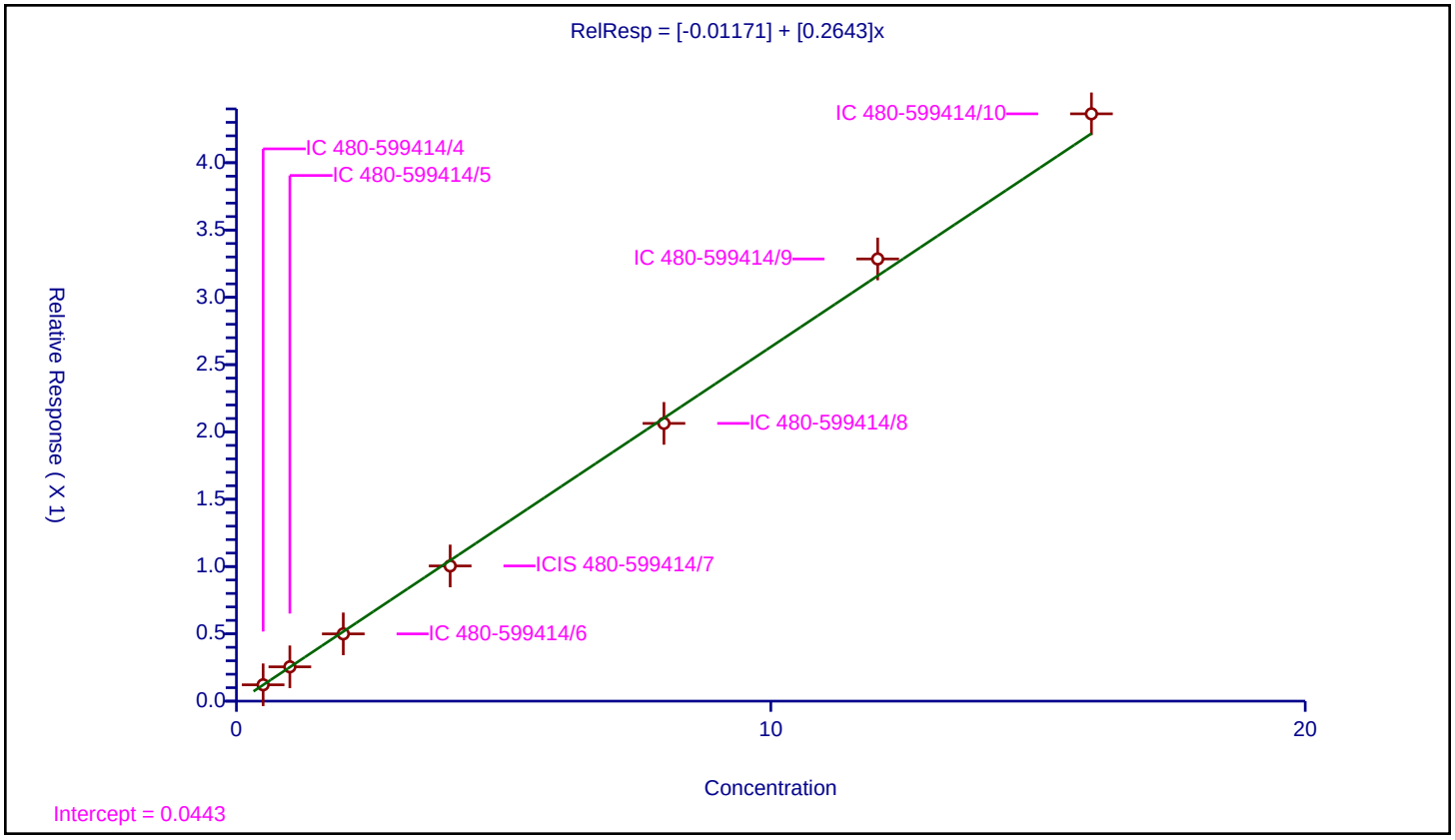
Curve Coefficients

Intercept:	-0.01171
Slope:	0.2643

Error Coefficients

Standard Error:	713000
Relative Standard Error:	3.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.121365	4.0	1054674.0	0.242729	Y
2	IC 480-599414/5	1.0	0.254978	4.0	1029232.0	0.254978	Y
3	IC 480-599414/6	2.0	0.499711	4.0	1068066.0	0.249855	Y
4	ICIS 480-599414/7	4.0	1.004428	4.0	1087023.0	0.251107	Y
5	IC 480-599414/8	8.0	2.063552	4.0	1078271.0	0.257944	Y
6	IC 480-599414/9	12.0	3.285119	4.0	1076117.0	0.27376	Y
7	IC 480-599414/10	16.0	4.363389	4.0	1066195.0	0.272712	Y



Calibration / Atrazine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

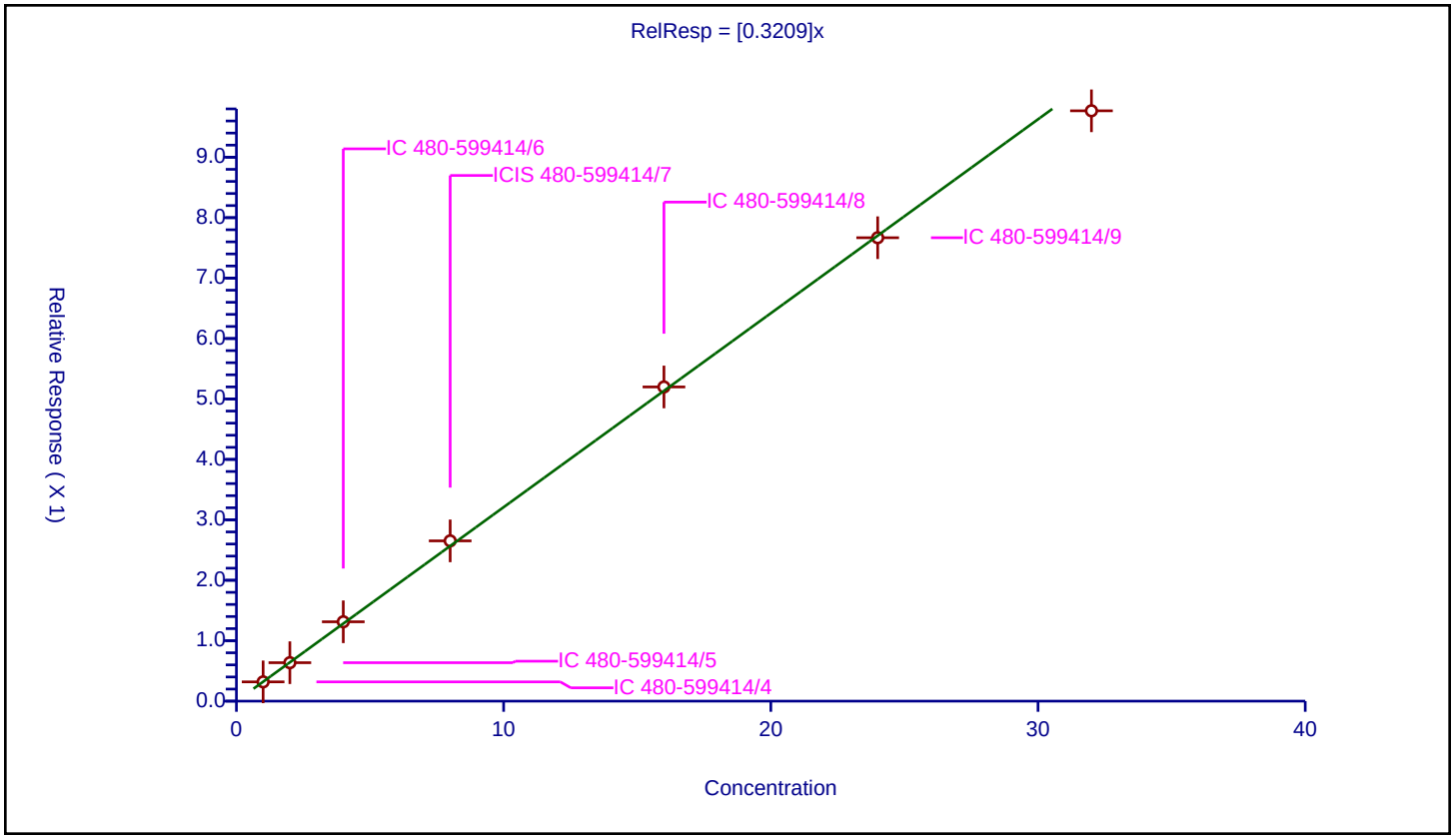
Curve Coefficients

Intercept:	0
Slope:	0.3209

Error Coefficients

Standard Error:	894000
Relative Standard Error:	2.7
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	1.0	0.318896	4.0	621984.0	0.318896	Y
2	IC 480-599414/5	2.0	0.636138	4.0	627631.0	0.318069	Y
3	IC 480-599414/6	4.0	1.313059	4.0	657911.0	0.328265	Y
4	ICIS 480-599414/7	8.0	2.652015	4.0	643571.0	0.331502	Y
5	IC 480-599414/8	16.0	5.199121	4.0	636833.0	0.324945	Y
6	IC 480-599414/9	24.0	7.668064	4.0	643052.0	0.319503	Y
7	IC 480-599414/10	32.0	9.768319	4.0	628009.0	0.30526	Y



Calibration / n-Octadecane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

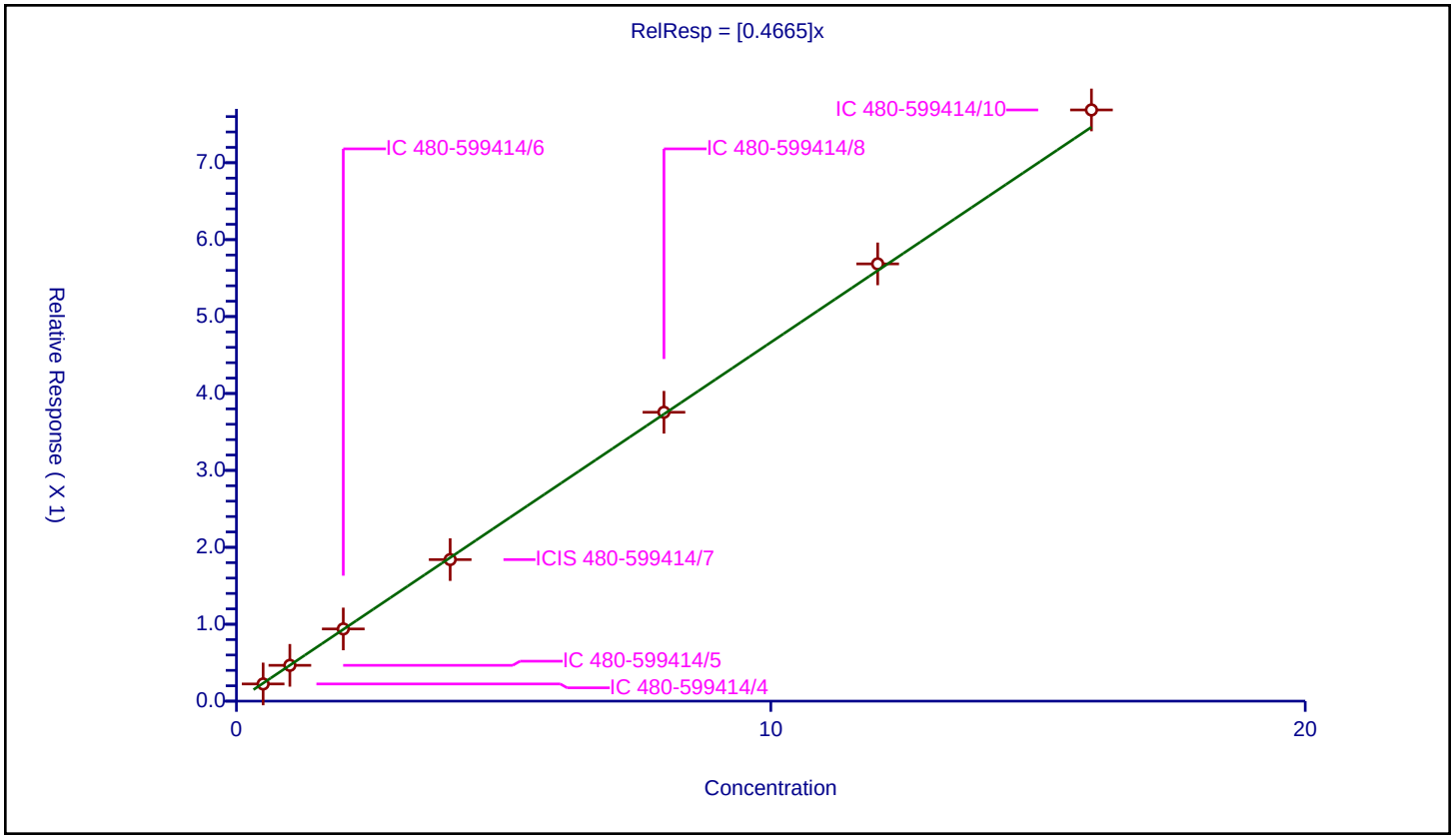
Curve Coefficients

Intercept:	0
Slope:	0.4665

Error Coefficients

Standard Error:	1150000
Relative Standard Error:	2.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.223398	4.0	1054674.0	0.446796	Y
2	IC 480-599414/5	1.0	0.465434	4.0	1029232.0	0.465434	Y
3	IC 480-599414/6	2.0	0.938702	4.0	1068066.0	0.469351	Y
4	ICIS 480-599414/7	4.0	1.840248	4.0	1087023.0	0.460062	Y
5	IC 480-599414/8	8.0	3.755913	4.0	1078271.0	0.469489	Y
6	IC 480-599414/9	12.0	5.685129	4.0	1076117.0	0.473761	Y
7	IC 480-599414/10	16.0	7.686335	4.0	1066195.0	0.480396	Y



Calibration / Pentachlorophenol

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

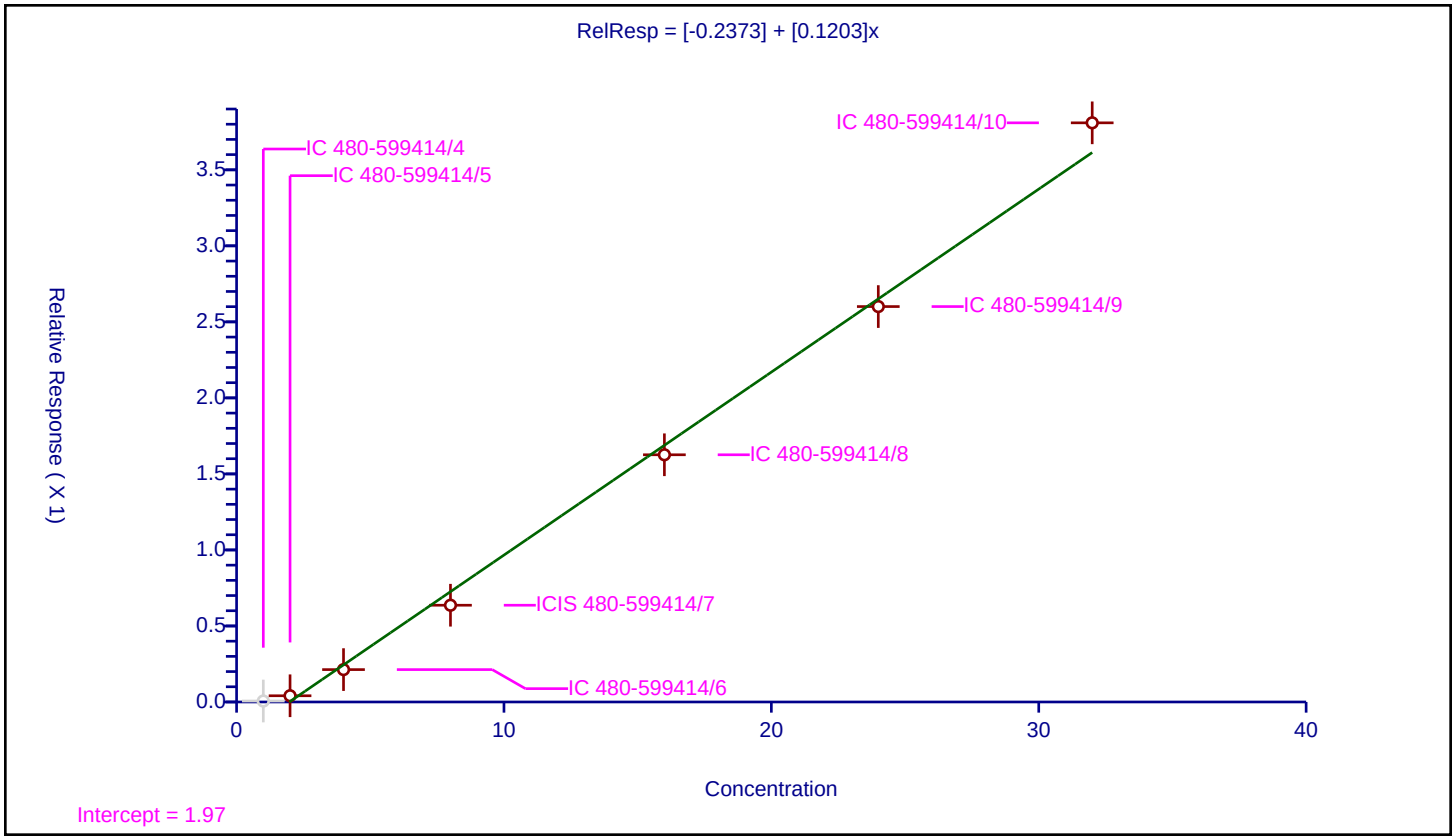
Curve Coefficients

Intercept:	-0.2373
Slope:	0.1203

Error Coefficients

Standard Error:	661000
Relative Standard Error:	10.1
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	1.0	0.006356	4.0	1054674.0	0.006356	N
2	IC 480-599414/5	2.0	0.041029	4.0	1029232.0	0.020514	Y
3	IC 480-599414/6	4.0	0.212953	4.0	1068066.0	0.053238	Y
4	ICIS 480-599414/7	8.0	0.636377	4.0	1087023.0	0.079547	Y
5	IC 480-599414/8	16.0	1.625944	4.0	1078271.0	0.101621	Y
6	IC 480-599414/9	24.0	2.600699	4.0	1076117.0	0.108362	Y
7	IC 480-599414/10	32.0	3.809146	4.0	1066195.0	0.119036	Y



Calibration / Phenanthrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

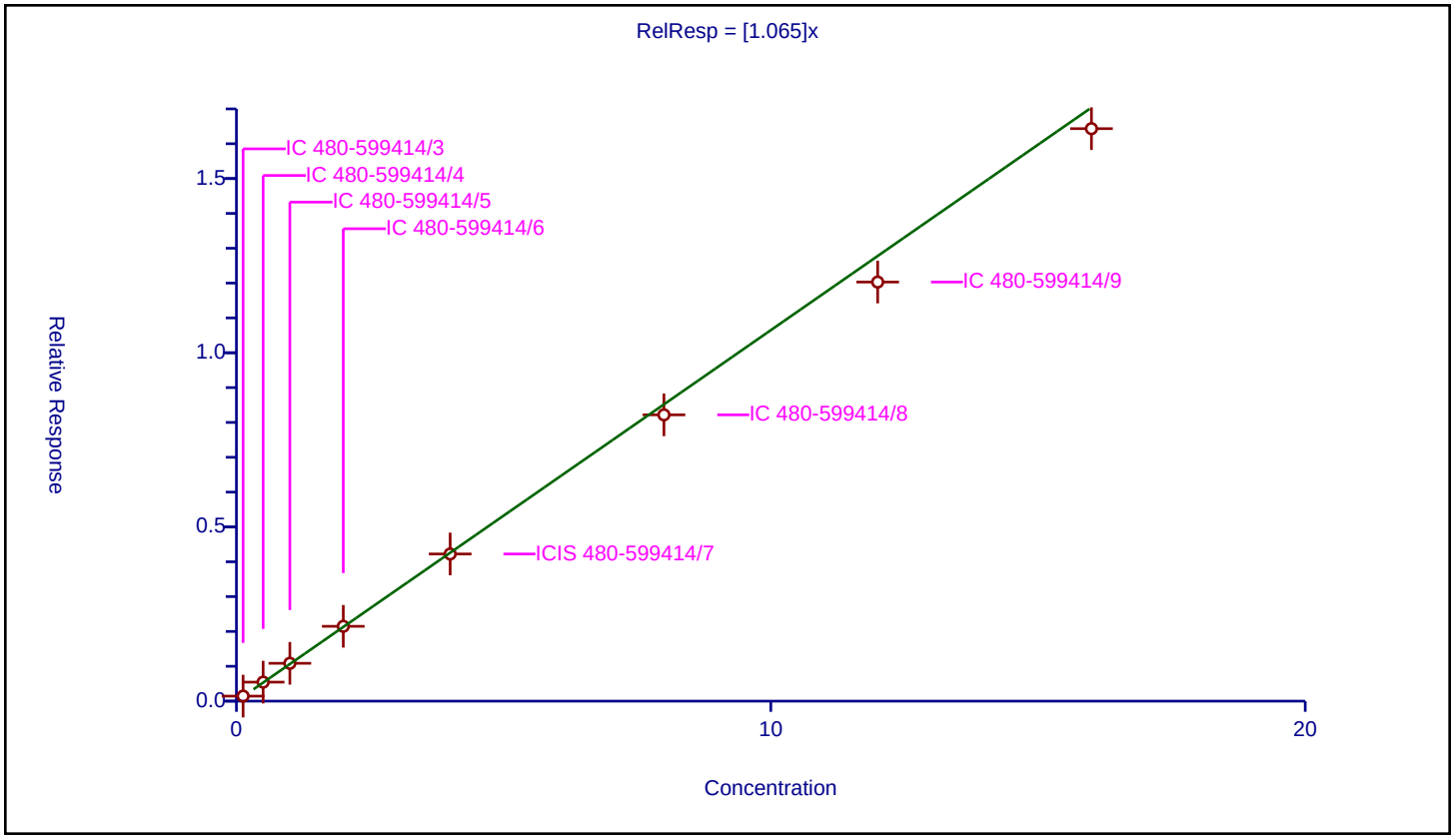
Curve Coefficients

Intercept:	0
Slope:	1.065

Error Coefficients

Standard Error:	2280000
Relative Standard Error:	4.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/3	0.125	0.144435	4.0	1006873.0	1.155482	Y
2	IC 480-599414/4	0.5	0.545139	4.0	1054674.0	1.090278	Y
3	IC 480-599414/5	1.0	1.086161	4.0	1029232.0	1.086161	Y
4	IC 480-599414/6	2.0	2.14765	4.0	1068066.0	1.073825	Y
5	ICIS 480-599414/7	4.0	4.224061	4.0	1087023.0	1.056015	Y
6	IC 480-599414/8	8.0	8.218168	4.0	1078271.0	1.027271	Y
7	IC 480-599414/9	12.0	12.029829	4.0	1076117.0	1.002486	Y
8	IC 480-599414/10	16.0	16.432761	4.0	1066195.0	1.027048	Y



Calibration / Anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

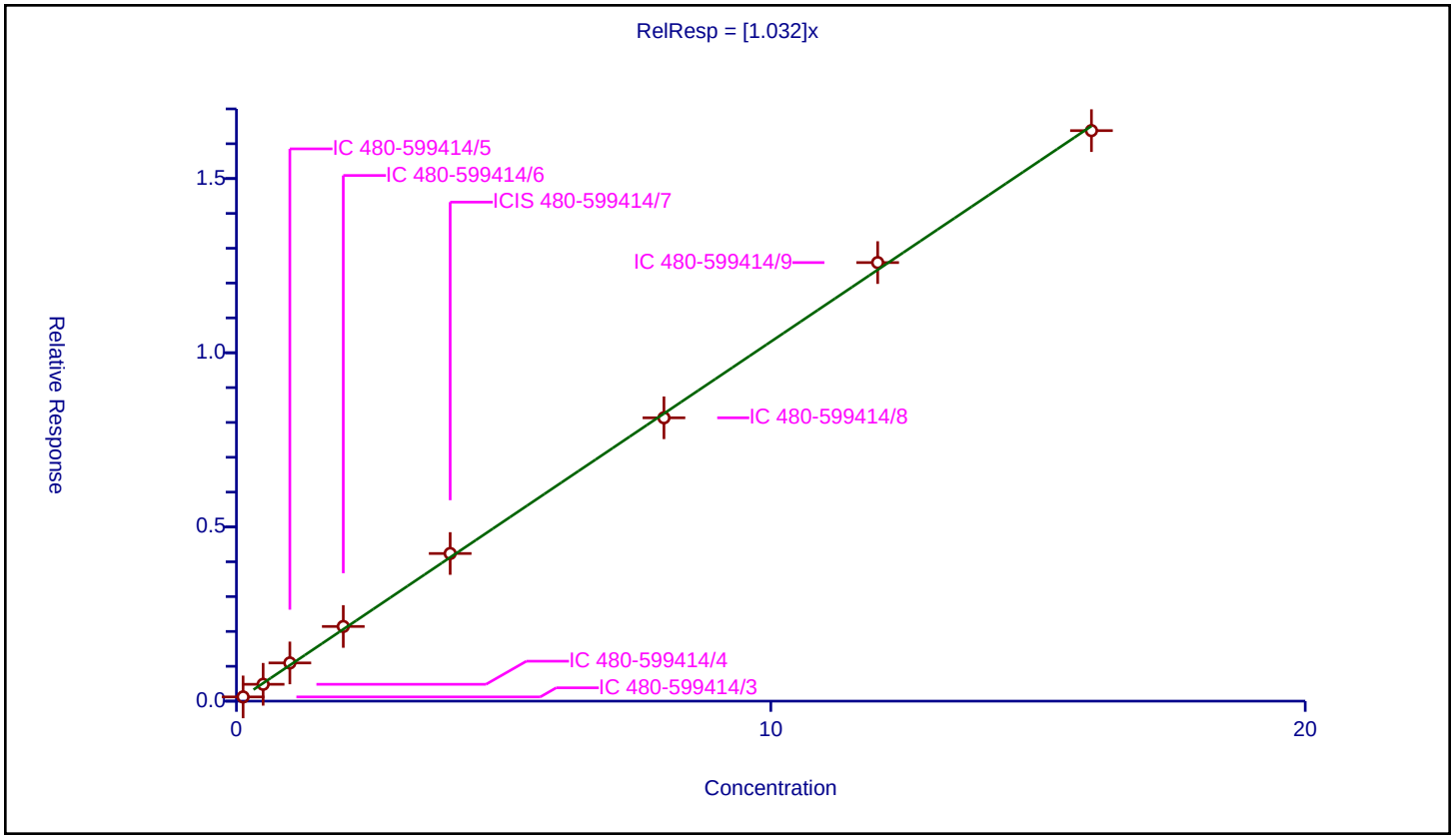
Curve Coefficients

Intercept:	0
Slope:	1.032

Error Coefficients

Standard Error:	2300000
Relative Standard Error:	4.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/3	0.125	0.121282	4.0	1006873.0	0.970259	Y
2	IC 480-599414/4	0.5	0.483357	4.0	1054674.0	0.966714	Y
3	IC 480-599414/5	1.0	1.096515	4.0	1029232.0	1.096515	Y
4	IC 480-599414/6	2.0	2.143459	4.0	1068066.0	1.07173	Y
5	ICIS 480-599414/7	4.0	4.238115	4.0	1087023.0	1.059529	Y
6	IC 480-599414/8	8.0	8.132857	4.0	1078271.0	1.016607	Y
7	IC 480-599414/9	12.0	12.588769	4.0	1076117.0	1.049064	Y
8	IC 480-599414/10	16.0	16.375901	4.0	1066195.0	1.023494	Y



Calibration / Carbazole

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

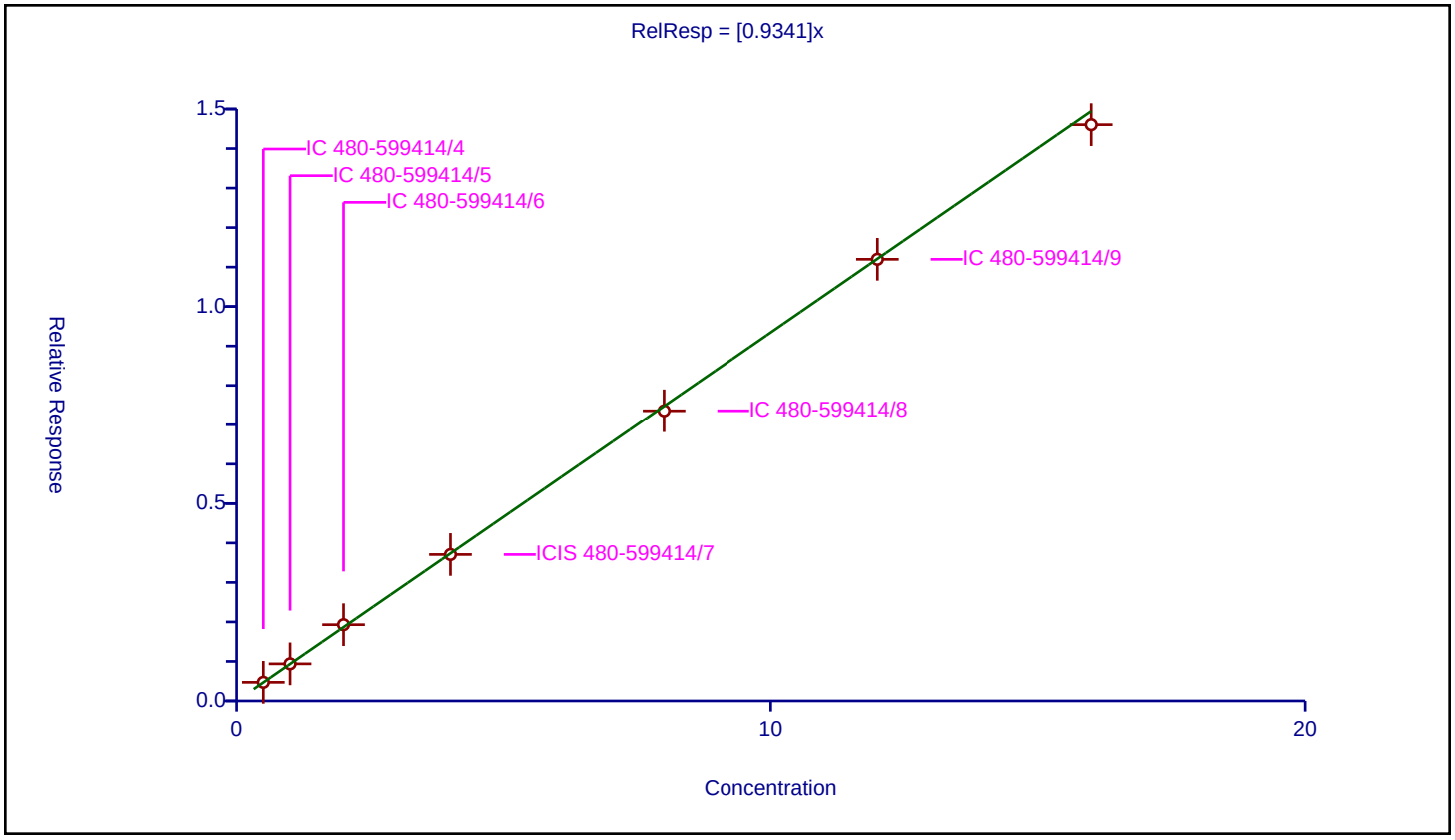
Curve Coefficients

Intercept:	0
Slope:	0.9341

Error Coefficients

Standard Error:	2220000
Relative Standard Error:	1.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.471266	4.0	1054674.0	0.942532	Y
2	IC 480-599414/5	1.0	0.938669	4.0	1029232.0	0.938669	Y
3	IC 480-599414/6	2.0	1.930311	4.0	1068066.0	0.965156	Y
4	ICIS 480-599414/7	4.0	3.70837	4.0	1087023.0	0.927093	Y
5	IC 480-599414/8	8.0	7.355702	4.0	1078271.0	0.919463	Y
6	IC 480-599414/9	12.0	11.197411	4.0	1076117.0	0.933118	Y
7	IC 480-599414/10	16.0	14.604792	4.0	1066195.0	0.912799	Y



Calibration / Di-n-butyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

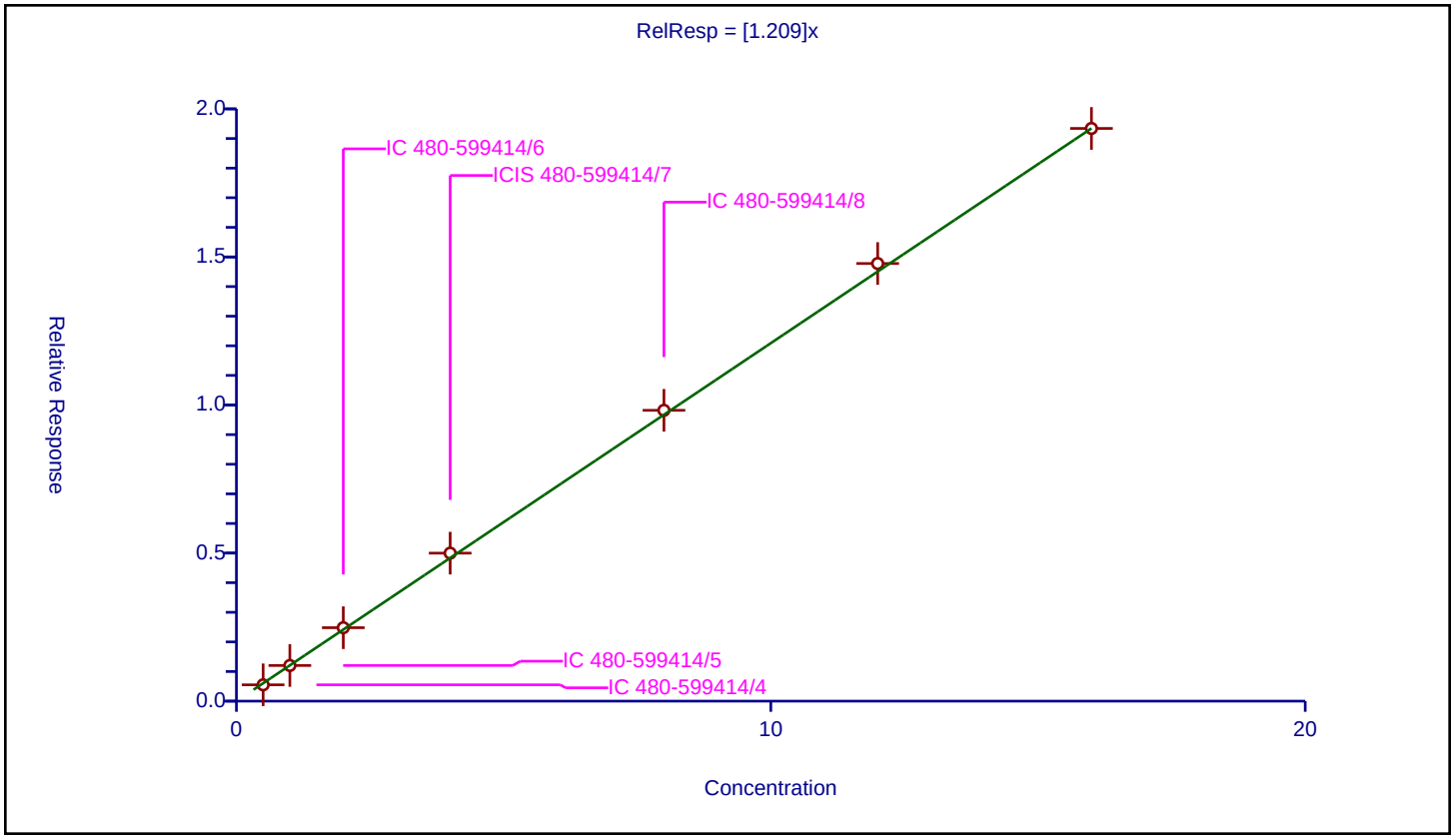
Curve Coefficients

Intercept:	0
Slope:	1.209

Error Coefficients

Standard Error:	2940000
Relative Standard Error:	4.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.550574	4.0	1054674.0	1.101148	Y
2	IC 480-599414/5	1.0	1.203767	4.0	1029232.0	1.203767	Y
3	IC 480-599414/6	2.0	2.480113	4.0	1068066.0	1.240056	Y
4	ICIS 480-599414/7	4.0	4.997569	4.0	1087023.0	1.249392	Y
5	IC 480-599414/8	8.0	9.820982	4.0	1078271.0	1.227623	Y
6	IC 480-599414/9	12.0	14.77875	4.0	1076117.0	1.231562	Y
7	IC 480-599414/10	16.0	19.339899	4.0	1066195.0	1.208744	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

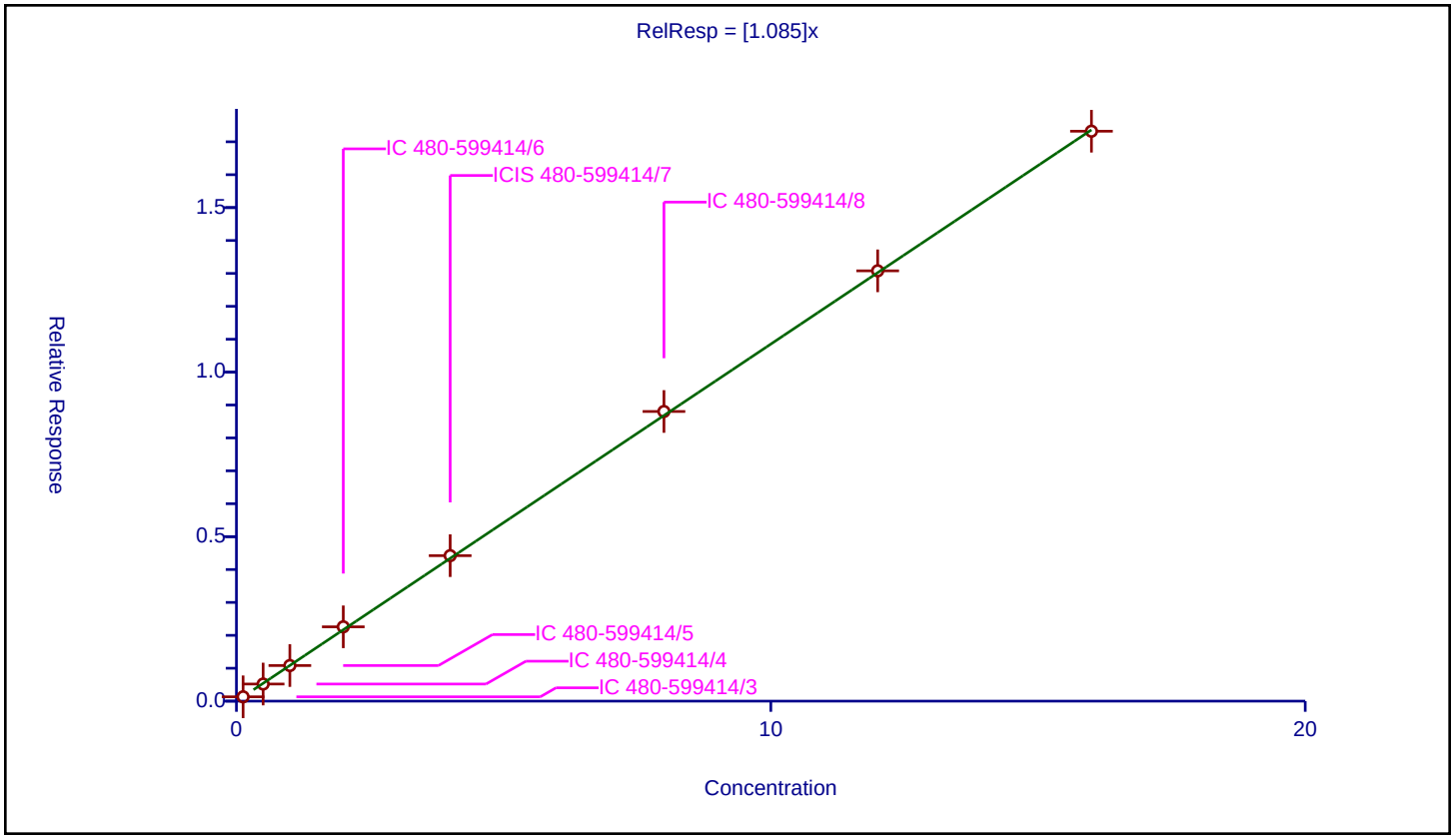
Curve Coefficients

Intercept:	0
Slope:	1.085

Error Coefficients

Standard Error:	2430000
Relative Standard Error:	2.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/3	0.125	0.131433	4.0	1006873.0	1.051461	Y
2	IC 480-599414/4	0.5	0.520051	4.0	1054674.0	1.040101	Y
3	IC 480-599414/5	1.0	1.081999	4.0	1029232.0	1.081999	Y
4	IC 480-599414/6	2.0	2.258774	4.0	1068066.0	1.129387	Y
5	ICIS 480-599414/7	4.0	4.421765	4.0	1087023.0	1.105441	Y
6	IC 480-599414/8	8.0	8.803331	4.0	1078271.0	1.100416	Y
7	IC 480-599414/9	12.0	13.078634	4.0	1076117.0	1.089886	Y
8	IC 480-599414/10	16.0	17.321841	4.0	1066195.0	1.082615	Y



Calibration / Benzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

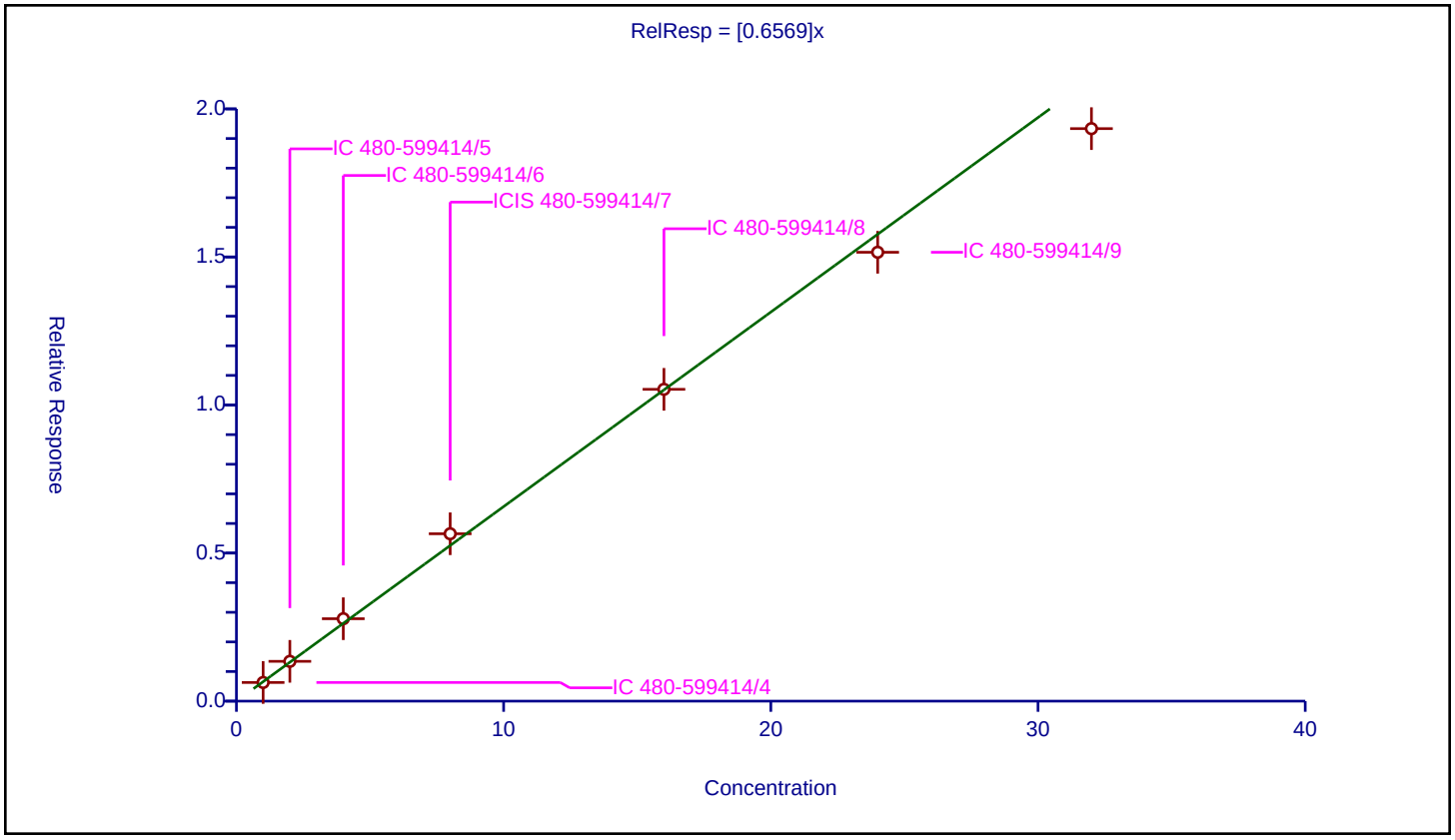
Curve Coefficients

Intercept:	0
Slope:	0.6569

Error Coefficients

Standard Error:	2740000
Relative Standard Error:	5.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	1.0	0.630481	4.0	935235.0	0.630481	Y
2	IC 480-599414/5	2.0	1.343763	4.0	932185.0	0.671882	Y
3	IC 480-599414/6	4.0	2.782814	4.0	978312.0	0.695703	Y
4	ICIS 480-599414/7	8.0	5.652464	4.0	976849.0	0.706558	Y
5	IC 480-599414/8	16.0	10.529687	4.0	958849.0	0.658105	Y
6	IC 480-599414/9	24.0	15.158643	4.0	970152.0	0.63161	Y
7	IC 480-599414/10	32.0	19.333599	4.0	984920.0	0.604175	Y



Calibration / Pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

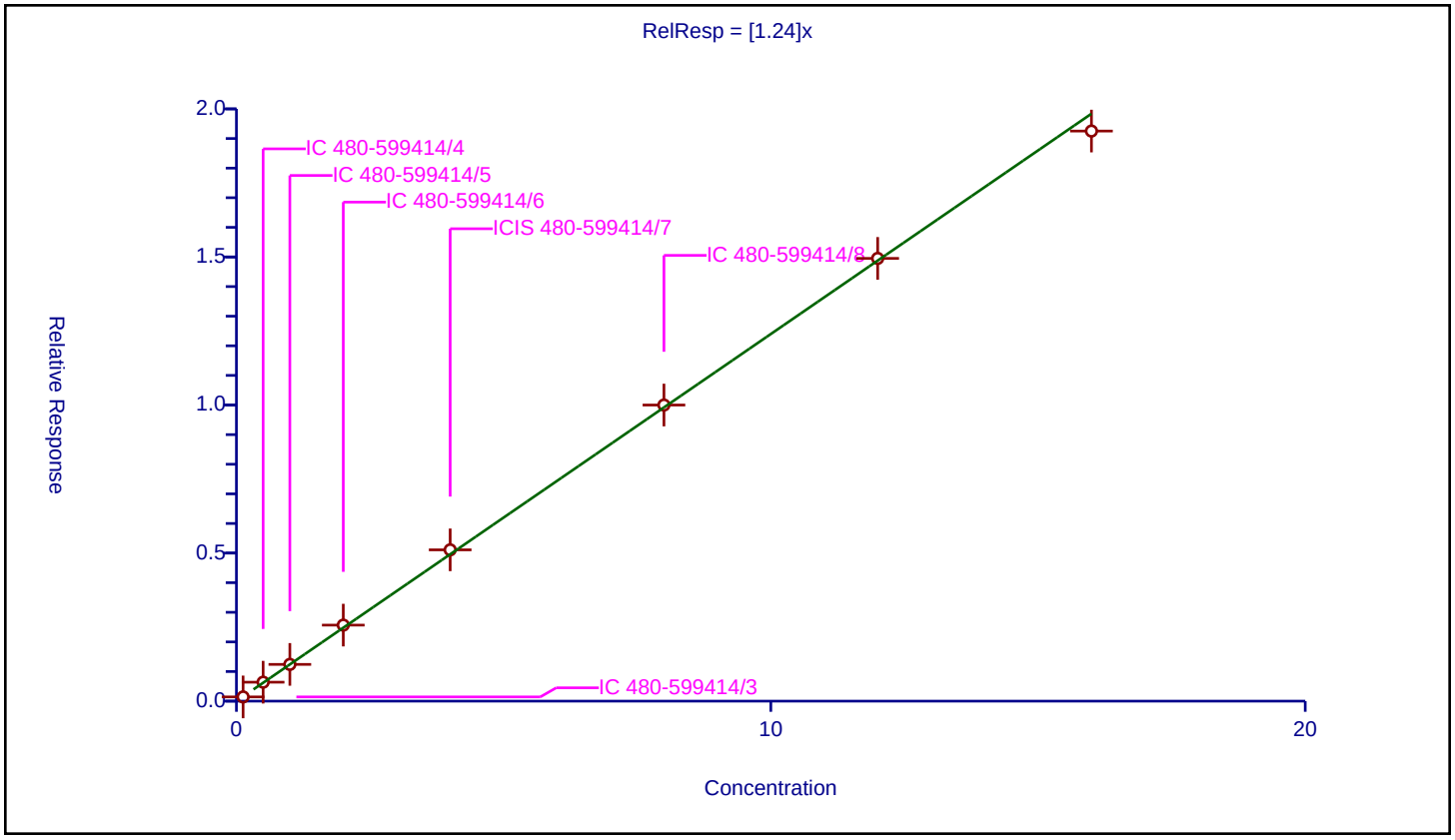
Curve Coefficients

Intercept:	0
Slope:	1.24

Error Coefficients

Standard Error:	2490000
Relative Standard Error:	3.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/3	0.125	0.142273	4.0	918120.0	1.138187	Y
2	IC 480-599414/4	0.5	0.639536	4.0	935235.0	1.279071	Y
3	IC 480-599414/5	1.0	1.240724	4.0	932185.0	1.240724	Y
4	IC 480-599414/6	2.0	2.567349	4.0	978312.0	1.283674	Y
5	ICIS 480-599414/7	4.0	5.108859	4.0	976849.0	1.277215	Y
6	IC 480-599414/8	8.0	9.999489	4.0	958849.0	1.249936	Y
7	IC 480-599414/9	12.0	14.951381	4.0	970152.0	1.245948	Y
8	IC 480-599414/10	16.0	19.251464	4.0	984920.0	1.203217	Y



Calibration / p-Terphenyl-d14

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

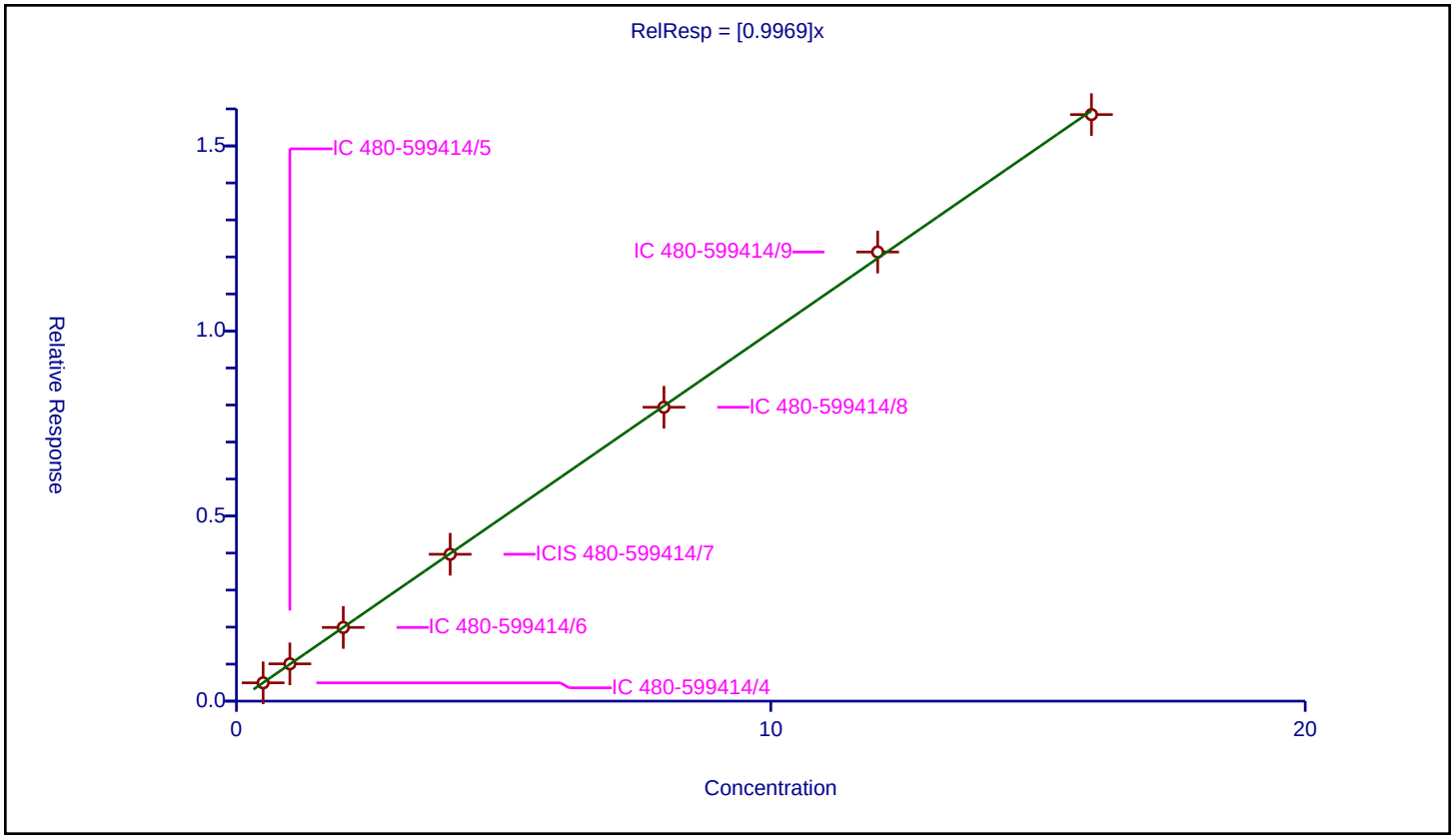
Curve Coefficients

Intercept:	0
Slope:	0.9969

Error Coefficients

Standard Error:	2190000
Relative Standard Error:	0.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.494721	4.0	935235.0	0.989441	Y
2	IC 480-599414/5	1.0	1.00759	4.0	932185.0	1.00759	Y
3	IC 480-599414/6	2.0	1.991038	4.0	978312.0	0.995519	Y
4	ICIS 480-599414/7	4.0	3.967639	4.0	976849.0	0.99191	Y
5	IC 480-599414/8	8.0	7.93949	4.0	958849.0	0.992436	Y
6	IC 480-599414/9	12.0	12.133843	4.0	970152.0	1.011154	Y
7	IC 480-599414/10	16.0	15.845957	4.0	984920.0	0.990372	Y



Calibration / Butyl benzyl phthalate

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

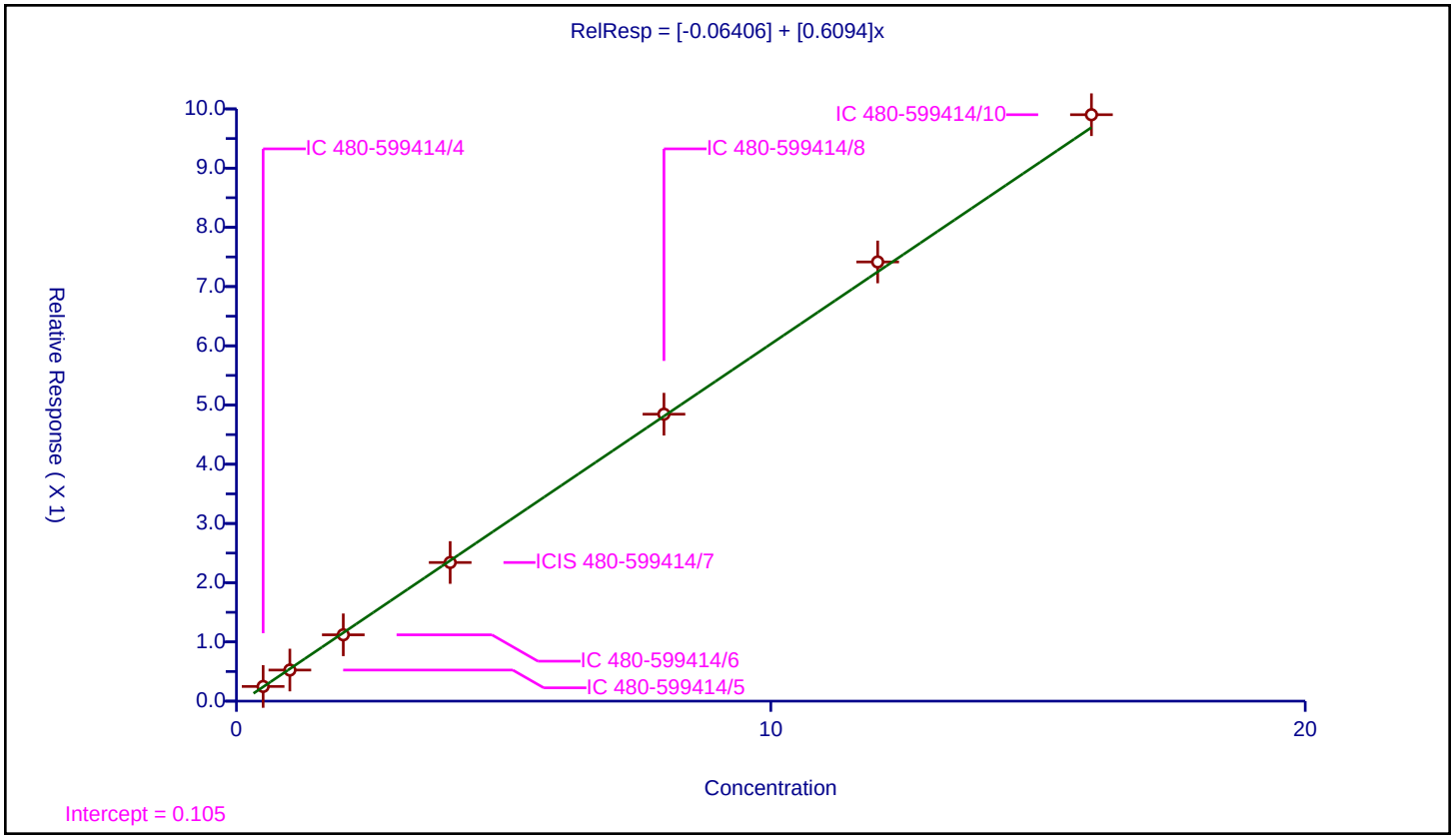
Curve Coefficients

Intercept:	-0.06406
Slope:	0.6094

Error Coefficients

Standard Error:	1480000
Relative Standard Error:	2.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.247805	4.0	935235.0	0.49561	Y
2	IC 480-599414/5	1.0	0.524934	4.0	932185.0	0.524934	Y
3	IC 480-599414/6	2.0	1.120056	4.0	978312.0	0.560028	Y
4	ICIS 480-599414/7	4.0	2.340927	4.0	976849.0	0.585232	Y
5	IC 480-599414/8	8.0	4.845593	4.0	958849.0	0.605699	Y
6	IC 480-599414/9	12.0	7.416104	4.0	970152.0	0.618009	Y
7	IC 480-599414/10	16.0	9.901876	4.0	984920.0	0.618867	Y



Calibration / Bis(2-ethylhexyl) phthalate

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

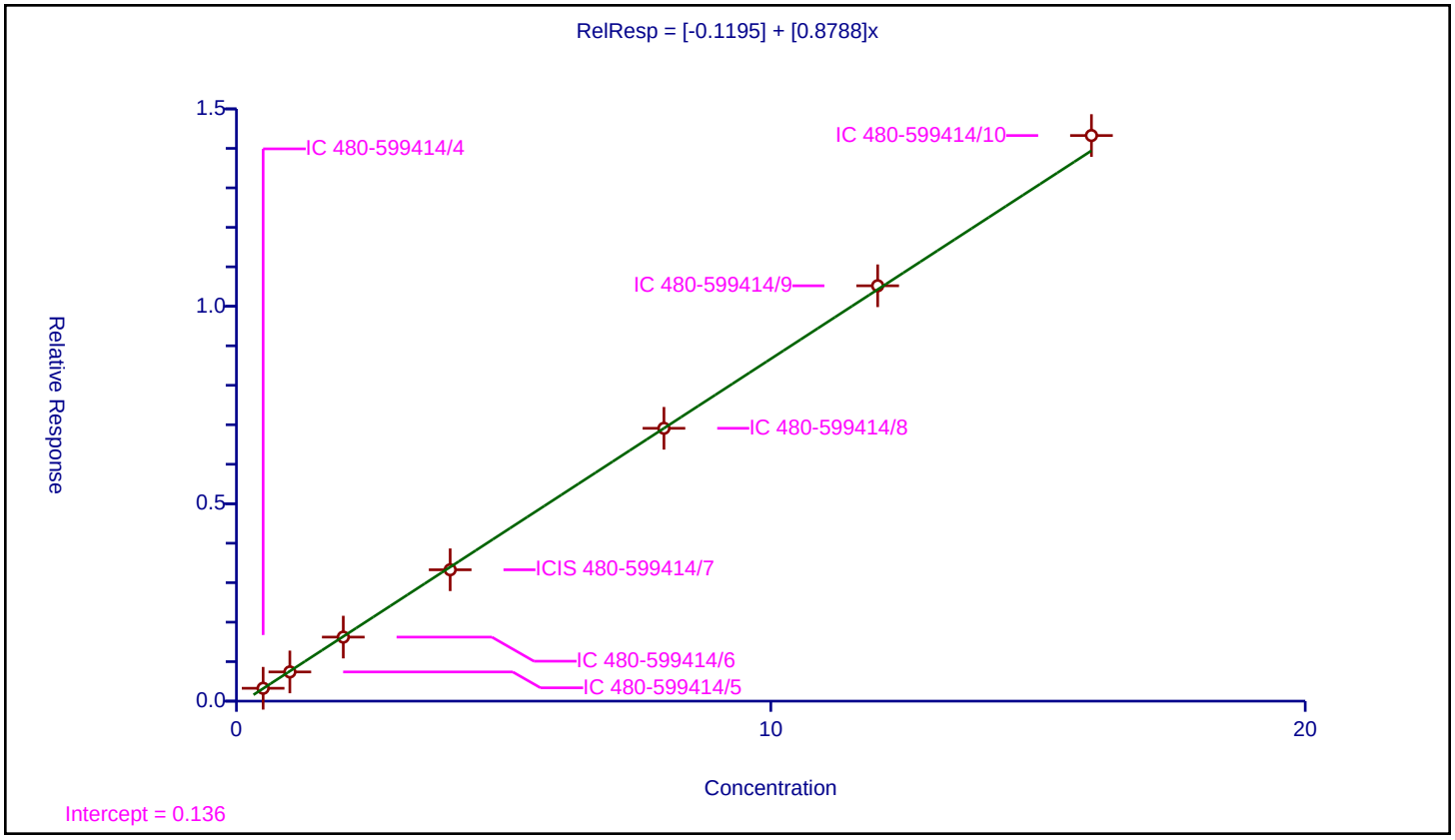
Curve Coefficients

Intercept:	-0.1195
Slope:	0.8788

Error Coefficients

Standard Error:	2120000
Relative Standard Error:	2.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.326267	4.0	935235.0	0.652533	Y
2	IC 480-599414/5	1.0	0.739969	4.0	932185.0	0.739969	Y
3	IC 480-599414/6	2.0	1.622141	4.0	978312.0	0.81107	Y
4	ICIS 480-599414/7	4.0	3.327016	4.0	976849.0	0.831754	Y
5	IC 480-599414/8	8.0	6.910757	4.0	958849.0	0.863845	Y
6	IC 480-599414/9	12.0	10.520327	4.0	970152.0	0.876694	Y
7	IC 480-599414/10	16.0	14.325505	4.0	984920.0	0.895344	Y



Calibration / 3,3'-Dichlorobenzidine

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

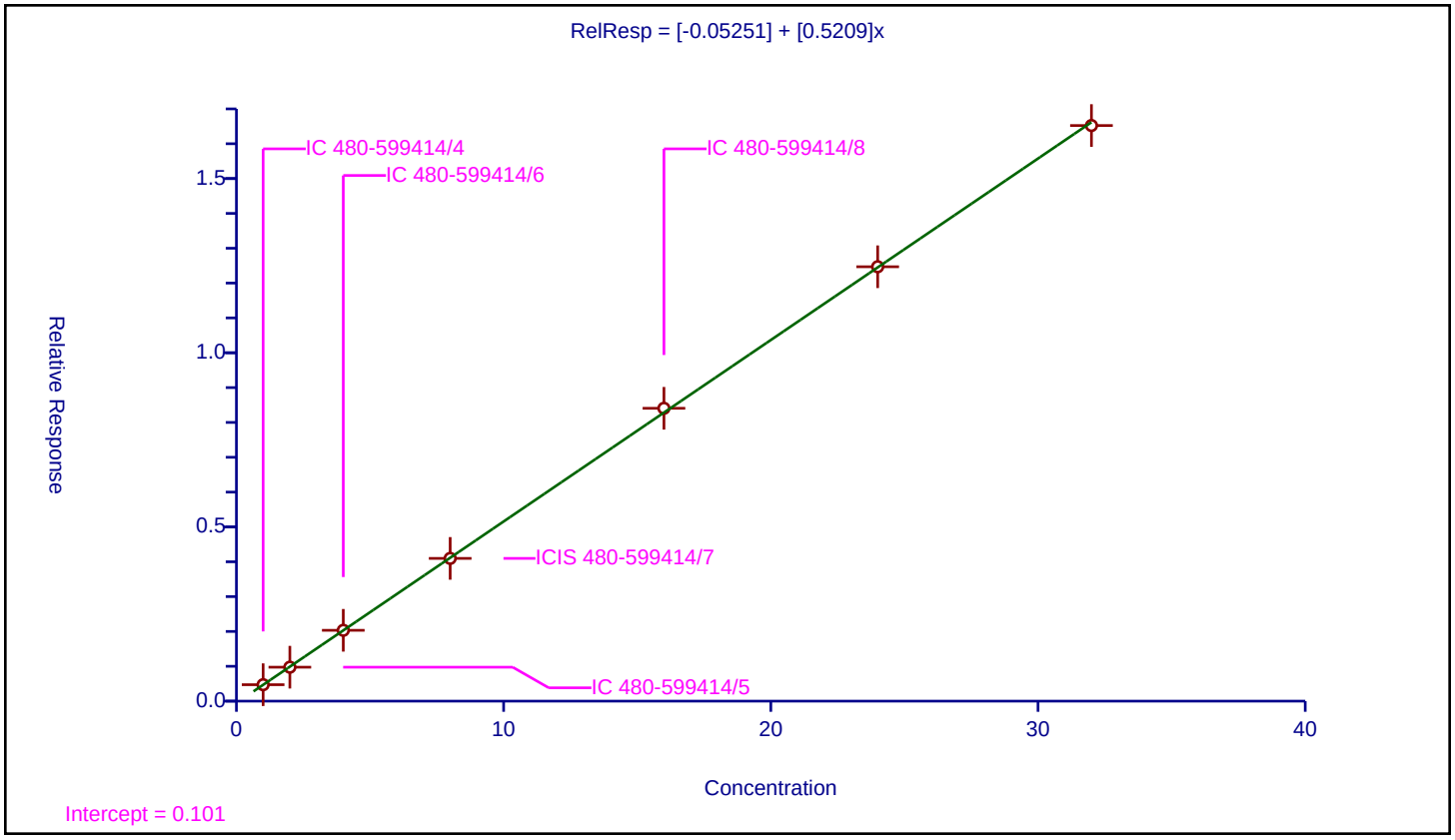
Curve Coefficients

Intercept:	-0.05251
Slope:	0.5209

Error Coefficients

Standard Error:	2490000
Relative Standard Error:	1.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	1.0	0.471817	4.0	935235.0	0.471817	Y
2	IC 480-599414/5	2.0	0.974489	4.0	932185.0	0.487244	Y
3	IC 480-599414/6	4.0	2.03302	4.0	978312.0	0.508255	Y
4	ICIS 480-599414/7	8.0	4.097722	4.0	976849.0	0.512215	Y
5	IC 480-599414/8	16.0	8.406108	4.0	958849.0	0.525382	Y
6	IC 480-599414/9	24.0	12.469106	4.0	970152.0	0.519546	Y
7	IC 480-599414/10	32.0	16.522044	4.0	984920.0	0.516314	Y



Calibration / Benzo[a]anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

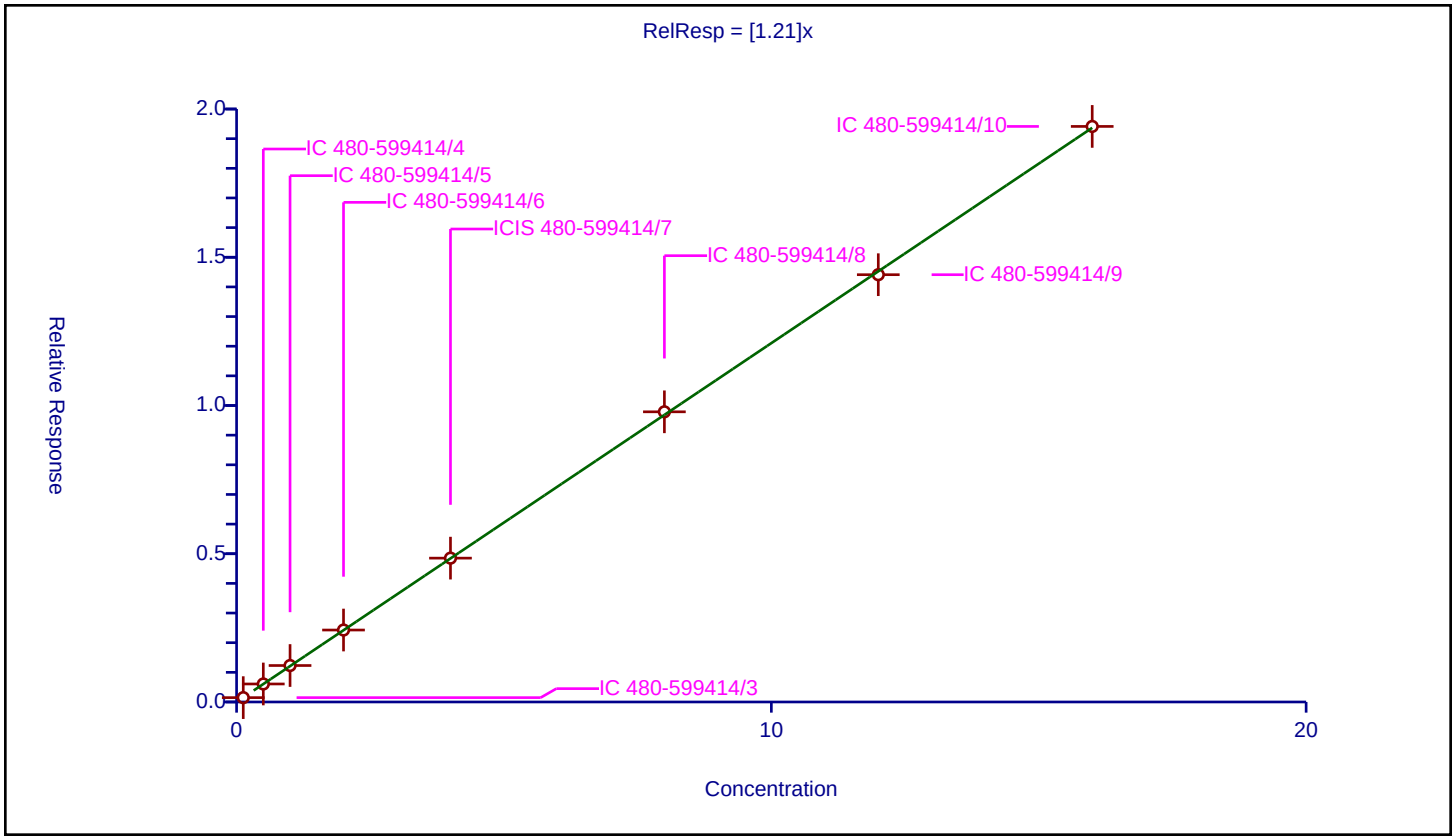
Curve Coefficients

Intercept:	0
Slope:	1.21

Error Coefficients

Standard Error:	2460000
Relative Standard Error:	1.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/3	0.125	0.146687	4.0	918120.0	1.173494	Y
2	IC 480-599414/4	0.5	0.607903	4.0	935235.0	1.215806	Y
3	IC 480-599414/5	1.0	1.229649	4.0	932185.0	1.229649	Y
4	IC 480-599414/6	2.0	2.426751	4.0	978312.0	1.213376	Y
5	ICIS 480-599414/7	4.0	4.852345	4.0	976849.0	1.213086	Y
6	IC 480-599414/8	8.0	9.787385	4.0	958849.0	1.223423	Y
7	IC 480-599414/9	12.0	14.411589	4.0	970152.0	1.200966	Y
8	IC 480-599414/10	16.0	19.413008	4.0	984920.0	1.213313	Y



Calibration / Chrysene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

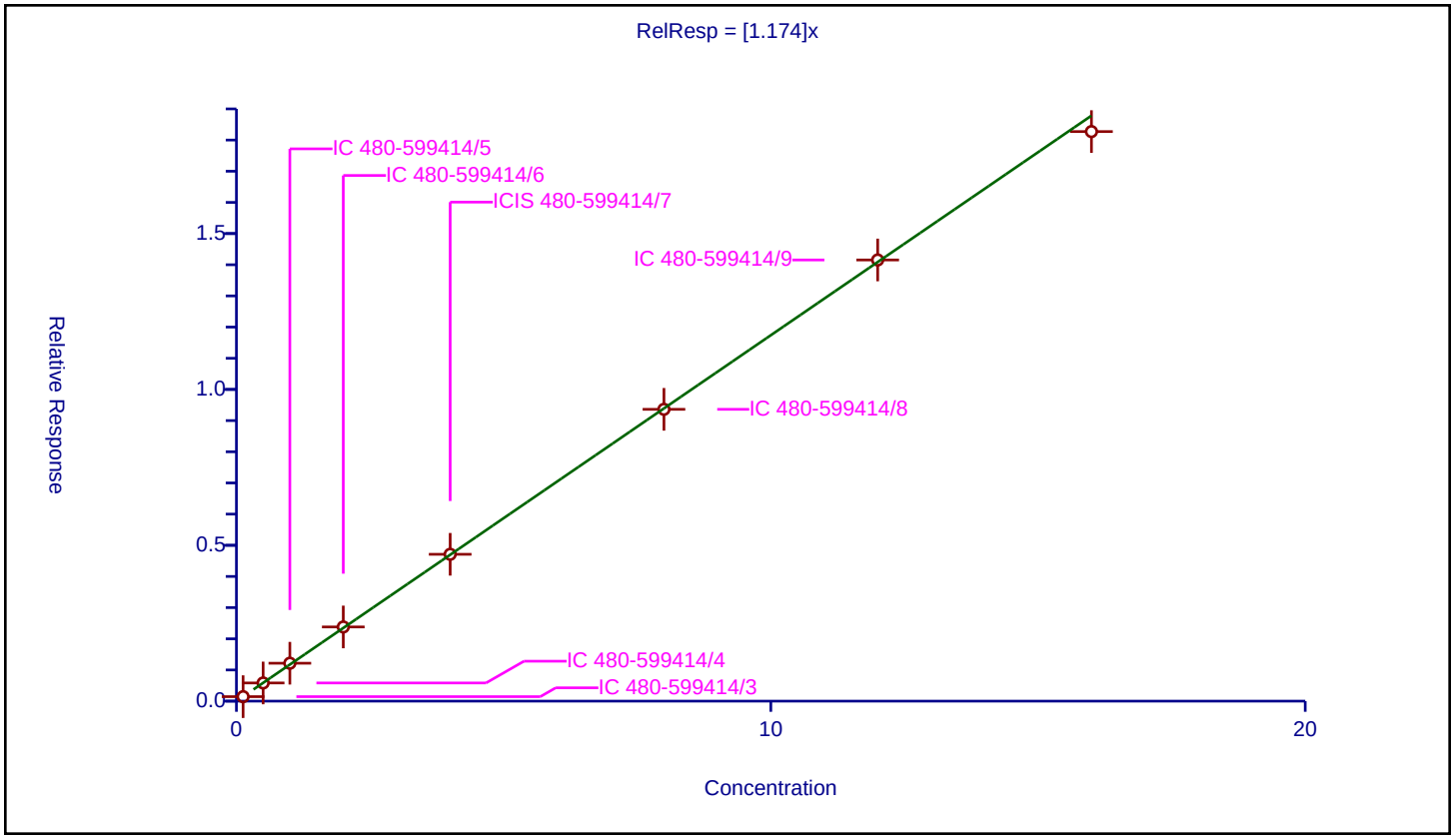
Curve Coefficients

Intercept:	0
Slope:	1.174

Error Coefficients

Standard Error:	2360000
Relative Standard Error:	2.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/3	0.125	0.143554	4.0	918120.0	1.148434	Y
2	IC 480-599414/4	0.5	0.583541	4.0	935235.0	1.167082	Y
3	IC 480-599414/5	1.0	1.216252	4.0	932185.0	1.216252	Y
4	IC 480-599414/6	2.0	2.379728	4.0	978312.0	1.189864	Y
5	ICIS 480-599414/7	4.0	4.711267	4.0	976849.0	1.177817	Y
6	IC 480-599414/8	8.0	9.361766	4.0	958849.0	1.170221	Y
7	IC 480-599414/9	12.0	14.15384	4.0	970152.0	1.179487	Y
8	IC 480-599414/10	16.0	18.271937	4.0	984920.0	1.141996	Y



Calibration / Di-n-octyl phthalate

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

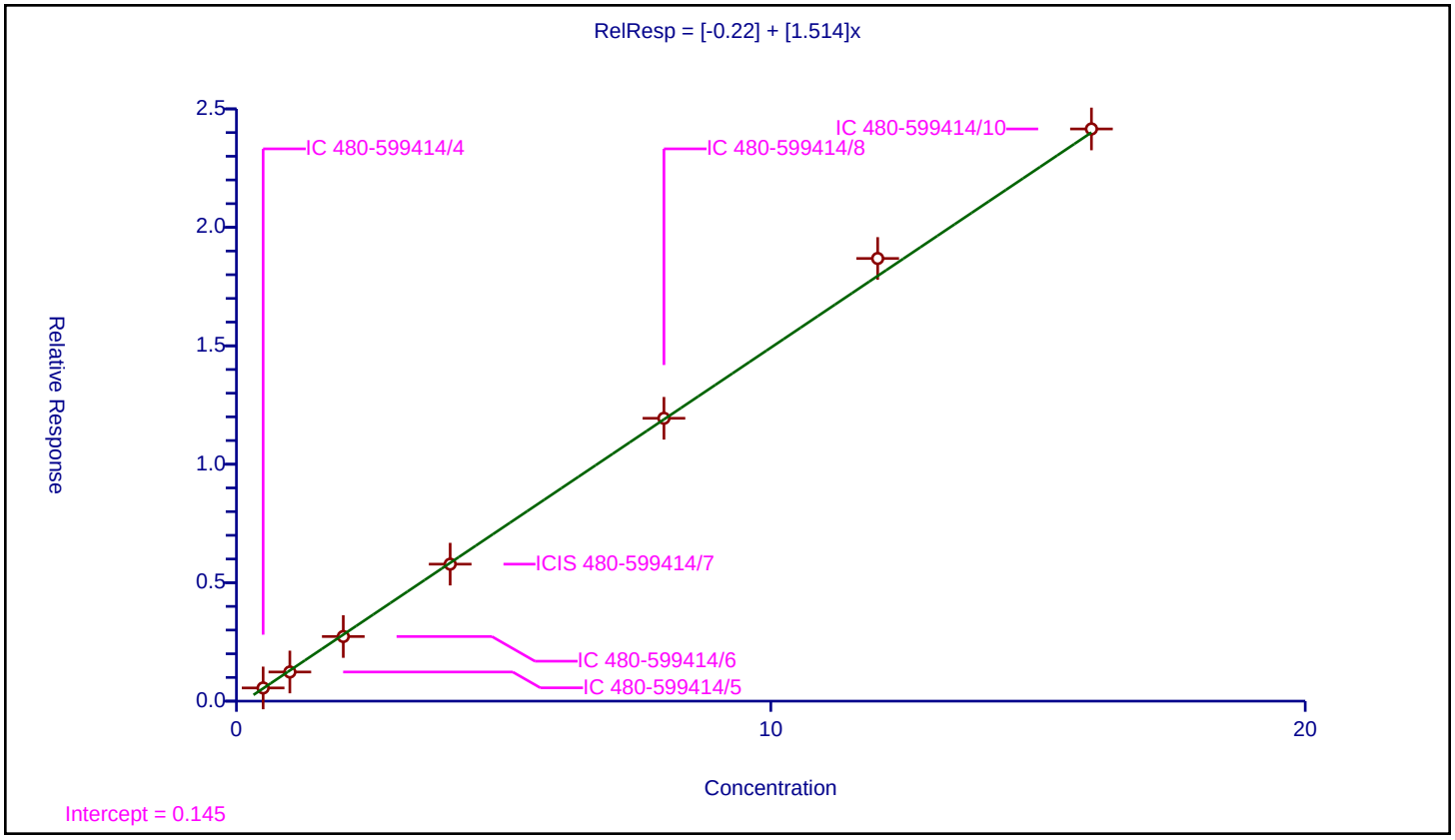
Curve Coefficients

Intercept:	-0.22
Slope:	1.514

Error Coefficients

Standard Error:	3650000
Relative Standard Error:	3.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/4	0.5	0.557152	4.0	935235.0	1.114304	Y
2	IC 480-599414/5	1.0	1.230387	4.0	932185.0	1.230387	Y
3	IC 480-599414/6	2.0	2.728422	4.0	978312.0	1.364211	Y
4	ICIS 480-599414/7	4.0	5.783023	4.0	976849.0	1.445756	Y
5	IC 480-599414/8	8.0	11.939907	4.0	958849.0	1.492488	Y
6	IC 480-599414/9	12.0	18.685975	4.0	970152.0	1.557165	Y
7	IC 480-599414/10	16.0	24.153746	4.0	984920.0	1.509609	Y



Calibration / Benzo[b]fluoranthene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

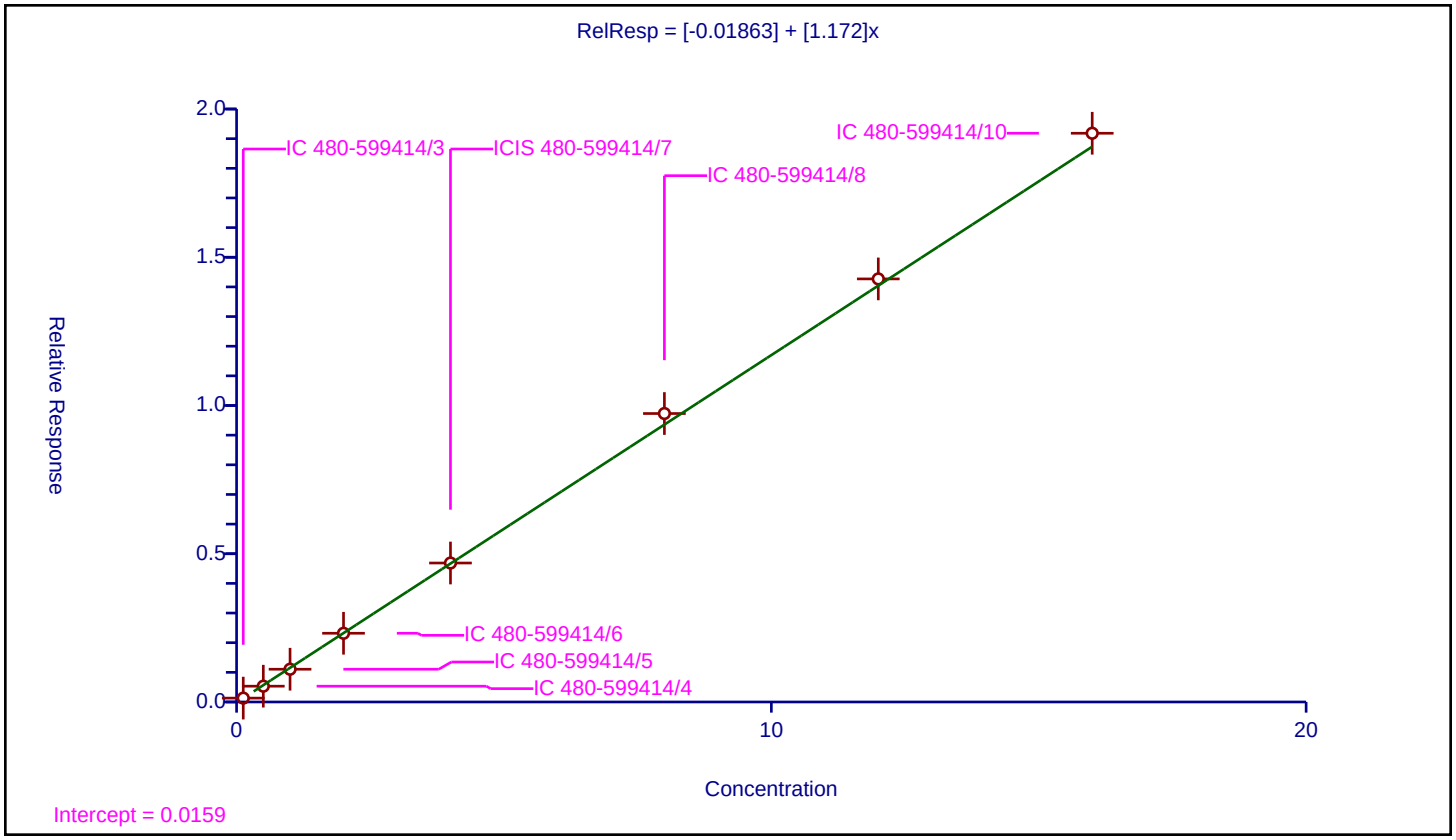
Curve Coefficients

Intercept:	-0.01863
Slope:	1.172

Error Coefficients

Standard Error:	2860000
Relative Standard Error:	3.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/3	0.125	0.130613	4.0	970534.0	1.044901	Y
2	IC 480-599414/4	0.5	0.532839	4.0	1025428.0	1.065678	Y
3	IC 480-599414/5	1.0	1.10465	4.0	1044302.0	1.10465	Y
4	IC 480-599414/6	2.0	2.317806	4.0	1048414.0	1.158903	Y
5	ICIS 480-599414/7	4.0	4.687324	4.0	1056166.0	1.171831	Y
6	IC 480-599414/8	8.0	9.729628	4.0	1045573.0	1.216203	Y
7	IC 480-599414/9	12.0	14.269782	4.0	1077913.0	1.189149	Y
8	IC 480-599414/10	16.0	19.182601	4.0	1062551.0	1.198913	Y



Calibration / Benzo[k]fluoranthene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

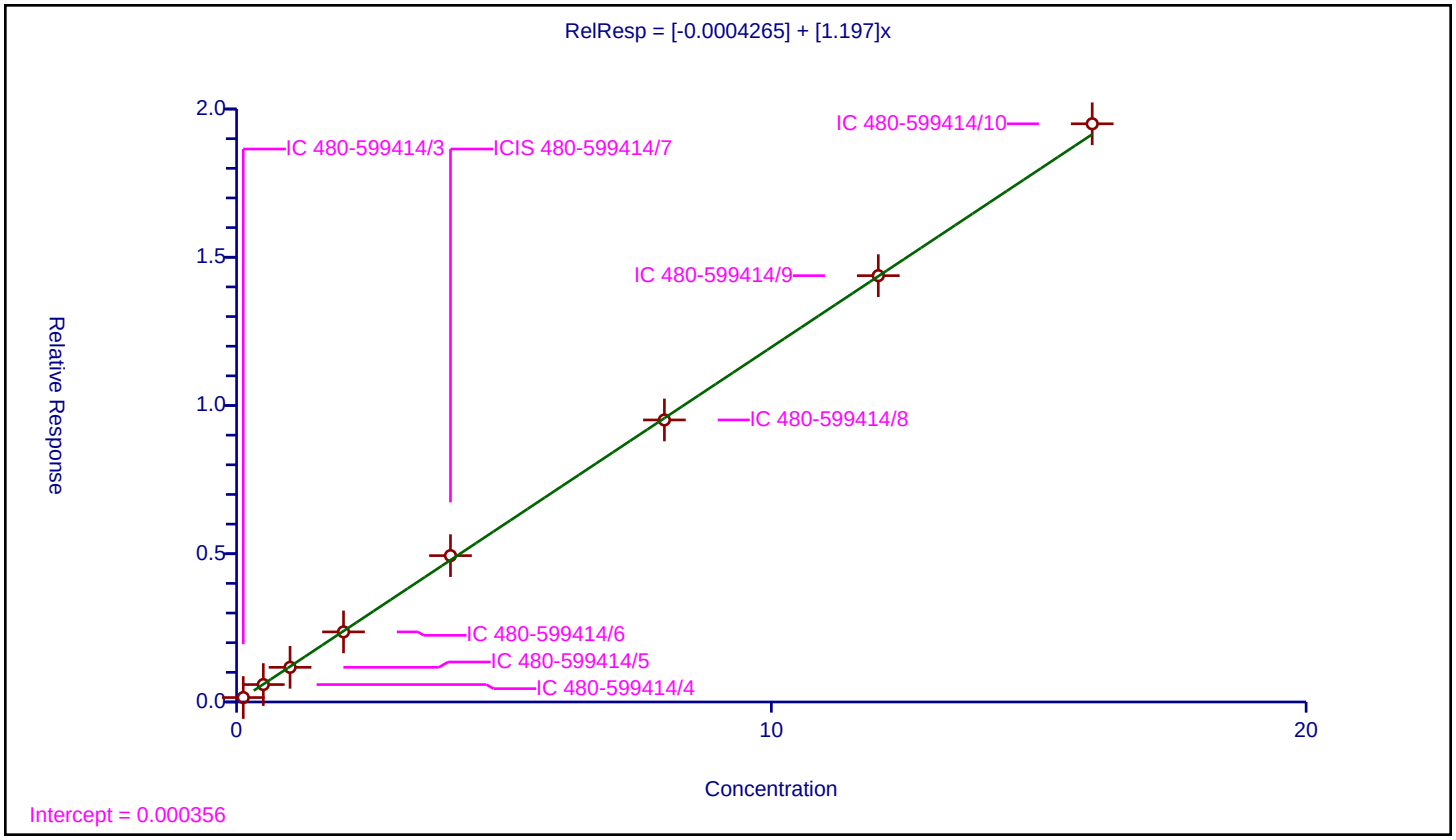
Curve Coefficients

Intercept:	-0.0004265
Slope:	1.197

Error Coefficients

Standard Error:	2890000
Relative Standard Error:	2.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/3	0.125	0.150181	4.0	970534.0	1.20145	Y
2	IC 480-599414/4	0.5	0.587716	4.0	1025428.0	1.175431	Y
3	IC 480-599414/5	1.0	1.168988	4.0	1044302.0	1.168988	Y
4	IC 480-599414/6	2.0	2.364478	4.0	1048414.0	1.182239	Y
5	ICIS 480-599414/7	4.0	4.936247	4.0	1056166.0	1.234062	Y
6	IC 480-599414/8	8.0	9.513168	4.0	1045573.0	1.189146	Y
7	IC 480-599414/9	12.0	14.379483	4.0	1077913.0	1.19829	Y
8	IC 480-599414/10	16.0	19.501931	4.0	1062551.0	1.218871	Y



Calibration / Benzo[a]pyrene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

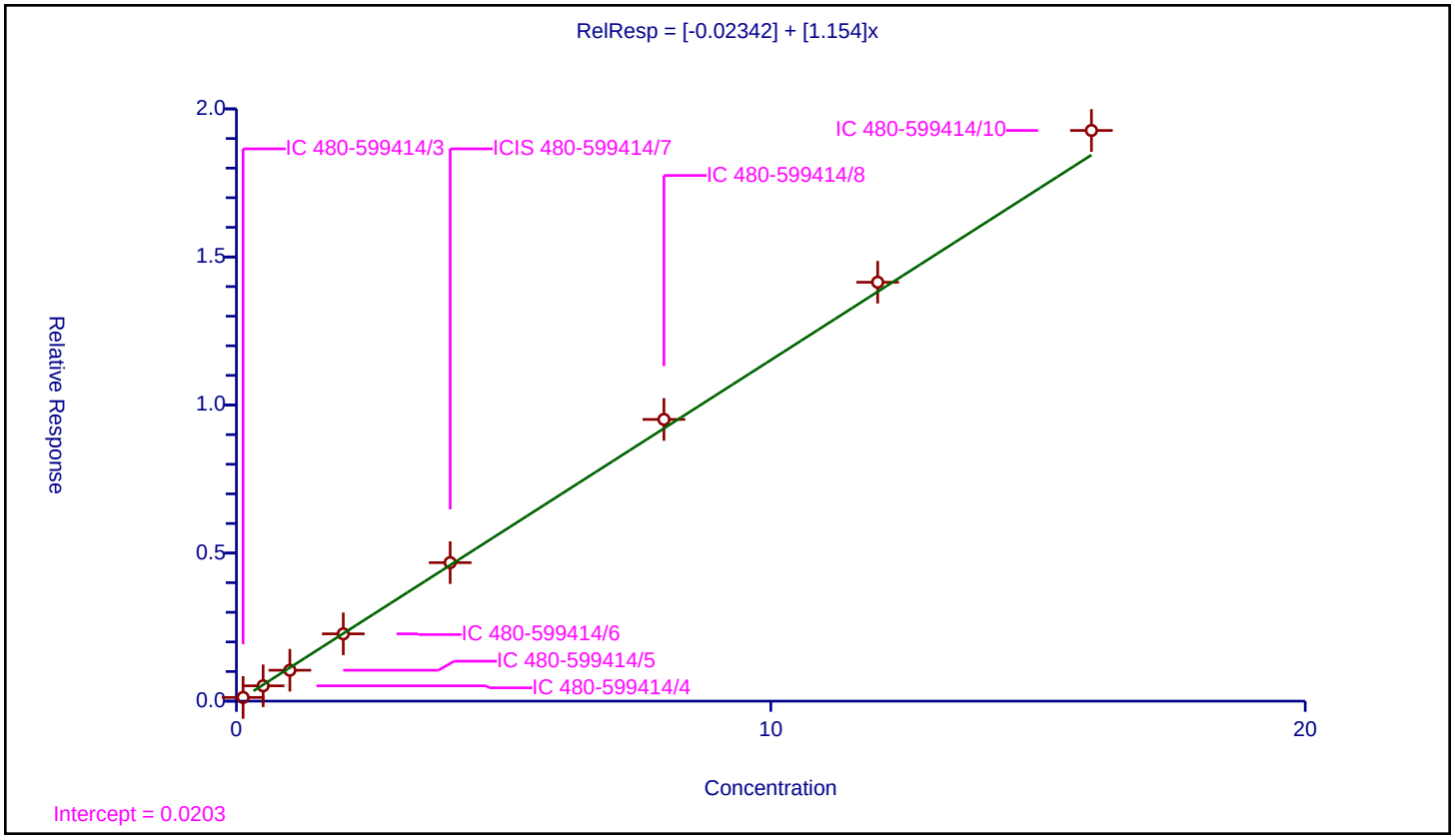
Curve Coefficients

Intercept:	-0.02342
Slope:	1.154

Error Coefficients

Standard Error:	2850000
Relative Standard Error:	4.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/3	0.125	0.124261	4.0	970534.0	0.994092	Y
2	IC 480-599414/4	0.5	0.517743	4.0	1025428.0	1.035486	Y
3	IC 480-599414/5	1.0	1.043744	4.0	1044302.0	1.043744	Y
4	IC 480-599414/6	2.0	2.272682	4.0	1048414.0	1.136341	Y
5	ICIS 480-599414/7	4.0	4.677799	4.0	1056166.0	1.16945	Y
6	IC 480-599414/8	8.0	9.513723	4.0	1045573.0	1.189215	Y
7	IC 480-599414/9	12.0	14.146385	4.0	1077913.0	1.178865	Y
8	IC 480-599414/10	16.0	19.271372	4.0	1062551.0	1.204461	Y



Calibration / Dibenz(a,h)anthracene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

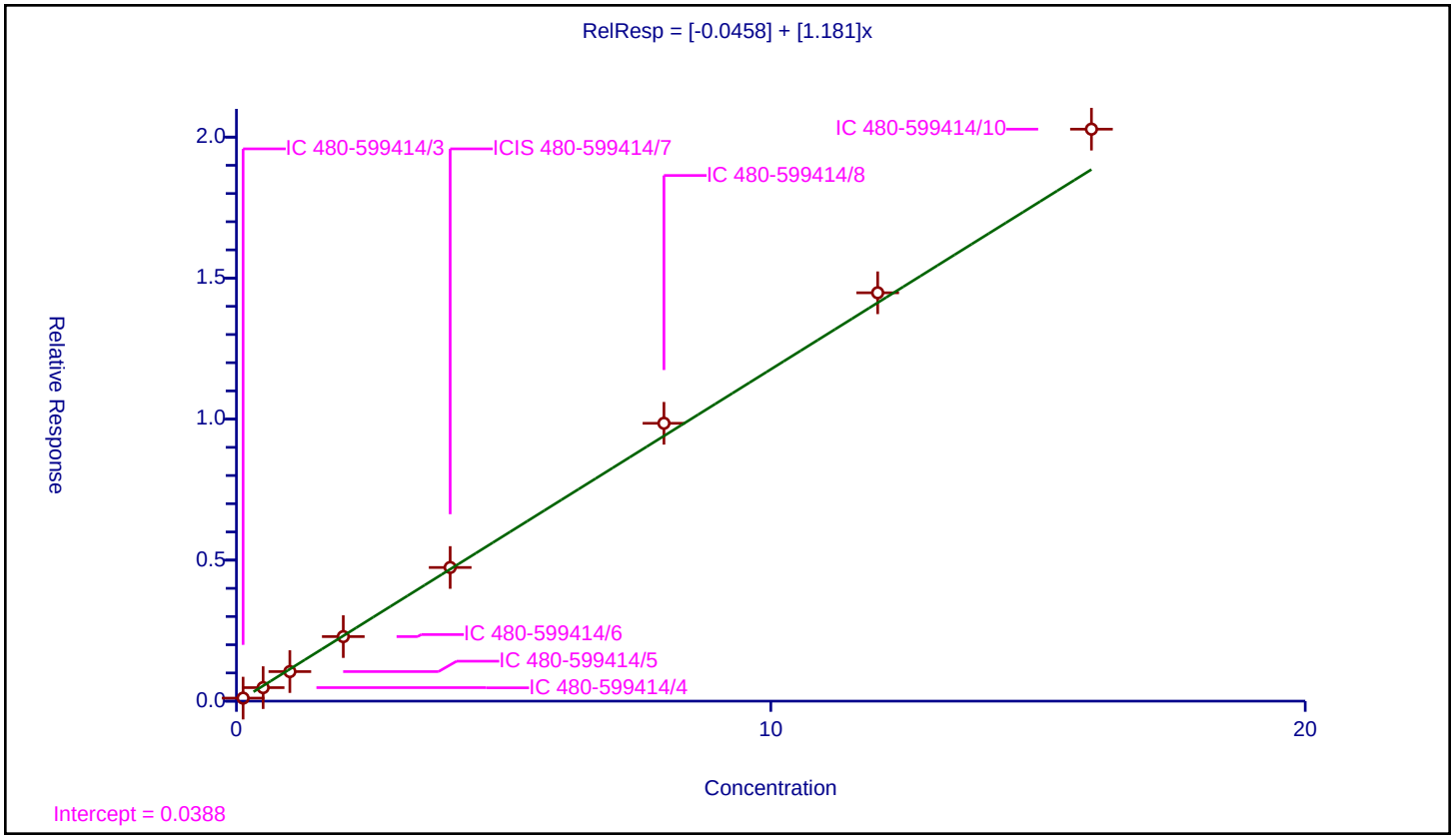
Curve Coefficients

Intercept:	-0.0458
Slope:	1.181

Error Coefficients

Standard Error:	2970000
Relative Standard Error:	6.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/3	0.125	0.1071	4.0	970534.0	0.856798	Y
2	IC 480-599414/4	0.5	0.47946	4.0	1025428.0	0.958921	Y
3	IC 480-599414/5	1.0	1.047751	4.0	1044302.0	1.047751	Y
4	IC 480-599414/6	2.0	2.288256	4.0	1048414.0	1.144128	Y
5	ICIS 480-599414/7	4.0	4.739016	4.0	1056166.0	1.184754	Y
6	IC 480-599414/8	8.0	9.852427	4.0	1045573.0	1.231553	Y
7	IC 480-599414/9	12.0	14.480286	4.0	1077913.0	1.20669	Y
8	IC 480-599414/10	16.0	20.28173	4.0	1062551.0	1.267608	Y



Calibration / Indeno[1,2,3-cd]pyrene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

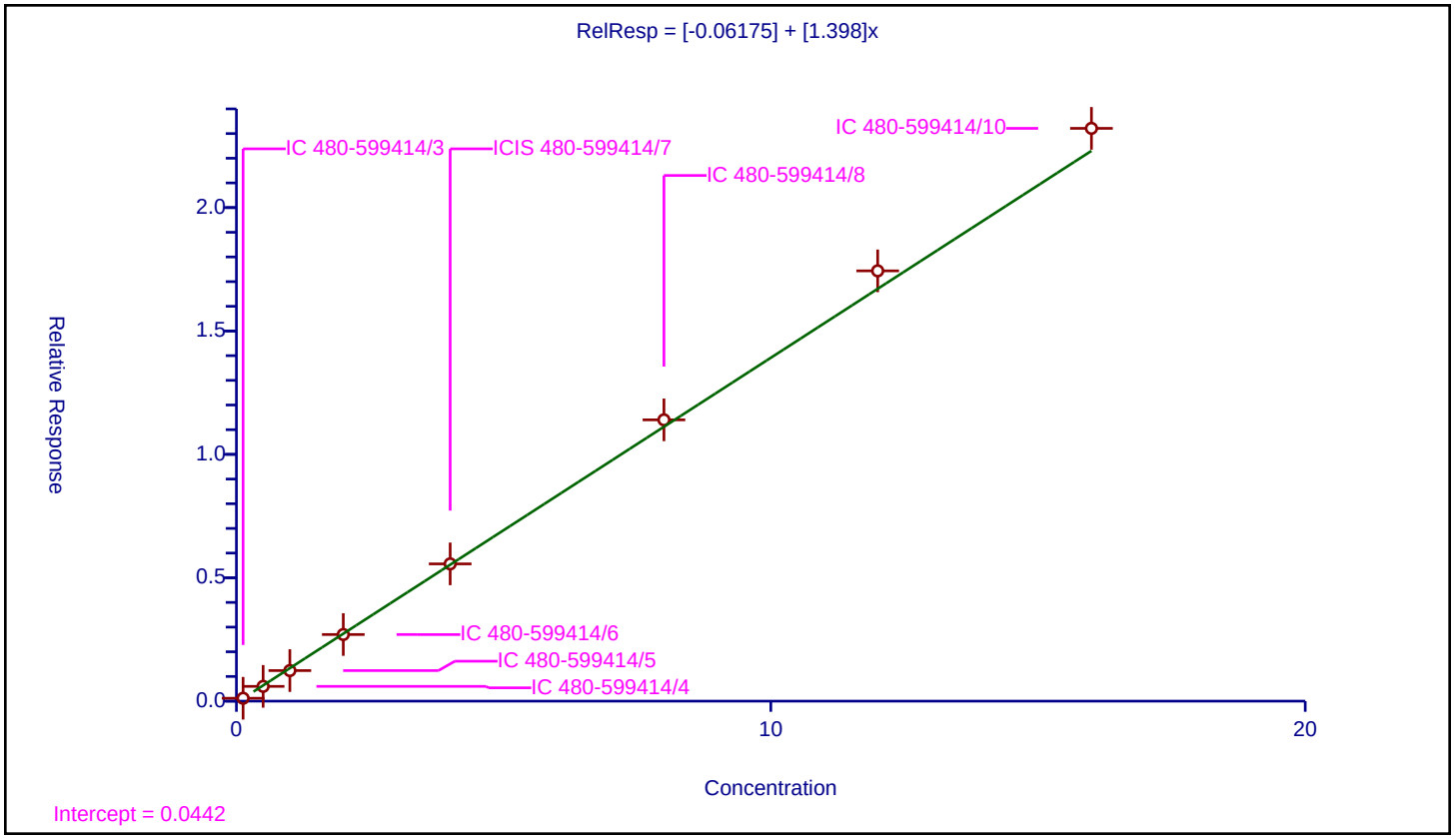
Curve Coefficients

Intercept:	-0.06175
Slope:	1.398

Error Coefficients

Standard Error:	3460000
Relative Standard Error:	4.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/3	0.125	0.116781	4.0	970534.0	0.934249	Y
2	IC 480-599414/4	0.5	0.598505	4.0	1025428.0	1.19701	Y
3	IC 480-599414/5	1.0	1.237971	4.0	1044302.0	1.237971	Y
4	IC 480-599414/6	2.0	2.699685	4.0	1048414.0	1.349843	Y
5	ICIS 480-599414/7	4.0	5.562201	4.0	1056166.0	1.39055	Y
6	IC 480-599414/8	8.0	11.399537	4.0	1045573.0	1.424942	Y
7	IC 480-599414/9	12.0	17.437155	4.0	1077913.0	1.453096	Y
8	IC 480-599414/10	16.0	23.21062	4.0	1062551.0	1.450664	Y



Calibration / Benzo[g,h,i]perylene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

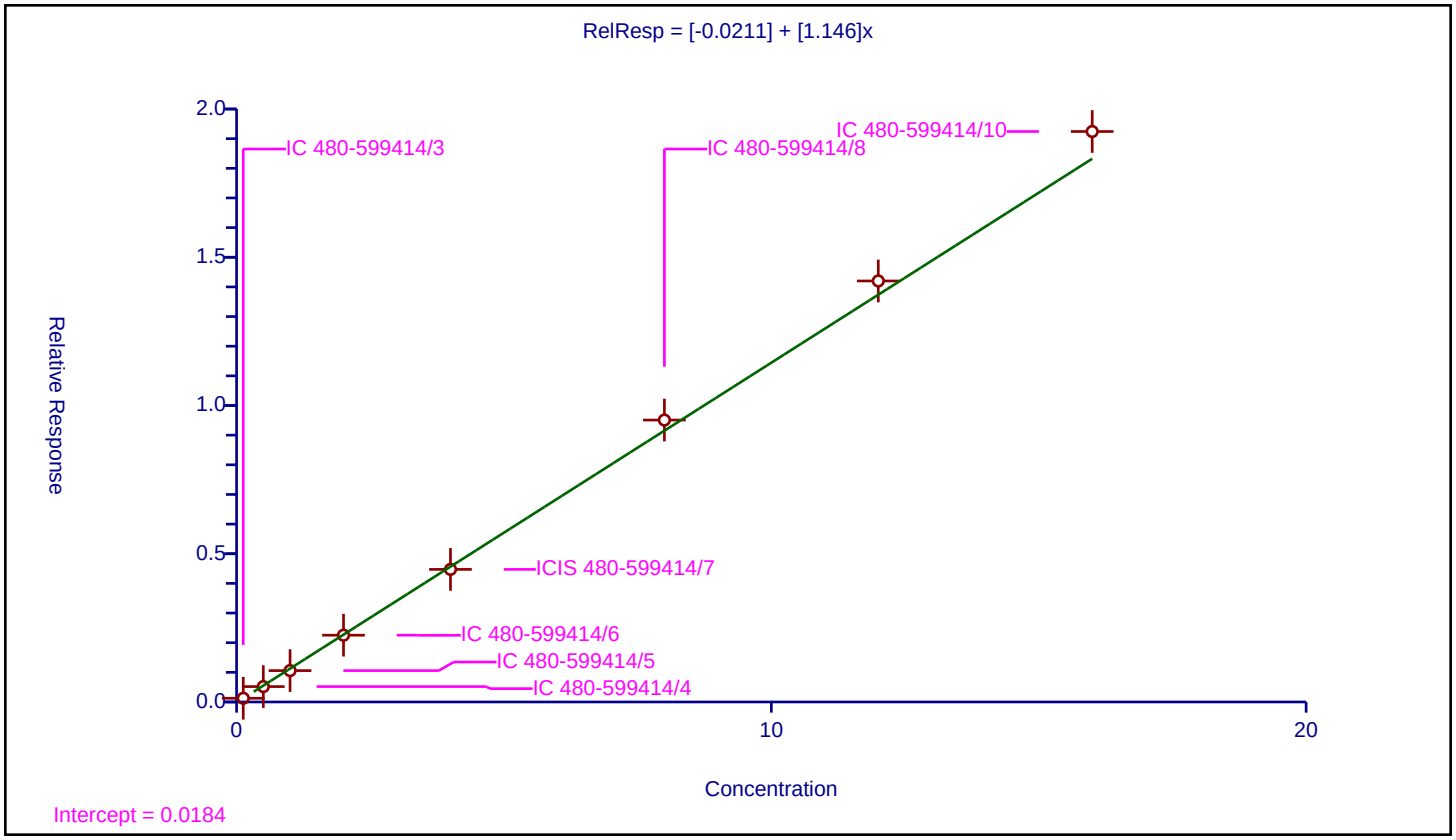
Curve Coefficients

Intercept:	-0.0211
Slope:	1.146

Error Coefficients

Standard Error:	2850000
Relative Standard Error:	4.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-599414/3	0.125	0.125271	4.0	970534.0	1.00217	Y
2	IC 480-599414/4	0.5	0.519436	4.0	1025428.0	1.038872	Y
3	IC 480-599414/5	1.0	1.057993	4.0	1044302.0	1.057993	Y
4	IC 480-599414/6	2.0	2.252725	4.0	1048414.0	1.126362	Y
5	ICIS 480-599414/7	4.0	4.472399	4.0	1056166.0	1.1181	Y
6	IC 480-599414/8	8.0	9.50891	4.0	1045573.0	1.188614	Y
7	IC 480-599414/9	12.0	14.200089	4.0	1077913.0	1.183341	Y
8	IC 480-599414/10	16.0	19.241486	4.0	1062551.0	1.202593	Y



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: ICV 480-599414/11 Calibration Date: 10/07/2021 15:35

Instrument ID: HP5973Y Calib Start Date: 10/07/2021 11:59

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 10/07/2021 15:08

Lab File ID: Y02825526.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Lin2		0.5061	0.0100	4160	4000	3.9	30.0
N-Nitrosodimethylamine	Ave	0.6473	0.6779	0.0100	4190	4000	4.7	50.0
Pyridine	Ave	0.7416	0.7612	0.0100	8210	8000	2.6	50.0
Benzaldehyde	Lin2		1.089	0.0100	9170	8000	14.6	50.0
Phenol	Ave	1.600	1.693	0.8000	4230	4000	5.8	30.0
Aniline	Ave	1.831	1.933	0.0100	4220	4000	5.6	30.0
Bis(2-chloroethyl)ether	Ave	1.243	1.216	0.7000	3910	4000	-2.1	30.0
2-Chlorophenol	Ave	1.269	1.345	0.8000	4240	4000	6.0	30.0
n-Decane	Ave	1.376	1.416	0.0100	4110	4000	2.8	30.0
1,3-Dichlorobenzene	Ave	1.469	1.517	0.0100	4130	4000	3.3	30.0
1,4-Dichlorobenzene	Ave	1.494	1.544	0.0100	4130	4000	3.3	30.0
Benzyl alcohol	Ave	0.8096	0.8506	0.0100	4200	4000	5.1	30.0
1,2-Dichlorobenzene	Ave	1.387	1.435	0.0100	4140	4000	3.5	30.0
2-Methylphenol	Ave	1.178	1.242	0.7000	4220	4000	5.4	30.0
bis (2-chloroisopropyl) ether	Ave	1.851	1.915	0.0100	4140	4000	3.4	30.0
Indene	Lin2		2.460	0.0100	22200	20000	11.0	30.0
4-Methylphenol	Ave	1.228	1.265	0.6000	4120	4000	3.0	30.0
N-Nitrosodi-n-propylamine	Ave	0.8894	0.9395	0.5000	4230	4000	5.6	30.0
Acetophenone	Ave	1.708	1.765	0.0100	4130	4000	3.3	30.0
Hexachloroethane	Ave	0.5880	0.6334	0.3000	4310	4000	7.7	30.0
Nitrobenzene	Ave	0.3668	0.3848	0.2000	4200	4000	4.9	30.0
Isophorone	Ave	0.6429	0.6780	0.4000	4220	4000	5.5	30.0
2-Nitrophenol	Lin2		0.1937	0.1000	4290	4000	7.2	30.0
2,4-Dimethylphenol	Ave	0.3480	0.3552	0.2000	4080	4000	2.1	30.0
Bis(2-chloroethoxy)methane	Ave	0.3896	0.4144	0.3000	4250	4000	6.4	30.0
Benzoic acid	Lin1		0.0834	0.0100	19100	20000	-4.6	50.0
2,4-Dichlorophenol	Ave	0.2788	0.3039	0.2000	4360	4000	9.0	30.0
1,2,4-Trichlorobenzene	Ave	0.3097	0.3466	0.0100	4480	4000	11.9	30.0
Naphthalene	Ave	1.029	1.077	0.7000	4190	4000	4.7	30.0
4-Chloroaniline	Ave	0.3931	0.4268	0.0100	4340	4000	8.6	30.0
2,6-Dichlorophenol	Ave	0.2770	0.3008	0.0100	4340	4000	8.6	30.0
Hexachlorobutadiene	Ave	0.1863	0.1980	0.0100	4250	4000	6.3	30.0
Caprolactam	Lin2		0.0992	0.0100	8330	8000	4.1	50.0
4-Chloro-3-methylphenol	Ave	0.2745	0.2967	0.2000	4320	4000	8.1	30.0
2-Methylnaphthalene	Ave	0.6919	0.7232	0.4000	4180	4000	4.5	30.0
1-Methylnaphthalene	Ave	0.6413	0.6791	0.0100	4240	4000	5.9	30.0
Hexachlorocyclopentadiene	Lin1		0.1469	0.0500	3750	4000	-6.3	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5807	0.6216	0.0100	4280	4000	7.0	30.0
2,4,6-Trichlorophenol	Lin2		0.3453	0.2000	4030	4000	0.8	30.0
2,4,5-Trichlorophenol	Lin2		0.3737	0.2000	4250	4000	6.2	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: ICV 480-599414/11 Calibration Date: 10/07/2021 15:35

Instrument ID: HP5973Y Calib Start Date: 10/07/2021 11:59

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 10/07/2021 15:08

Lab File ID: Y02825526.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Biphenyl	Ave	1.404	1.470	0.0100	4190	4000	4.7	30.0
2-Chloronaphthalene	Ave	1.113	1.206	0.8000	4330	4000	8.3	30.0
2-Nitroaniline	Lin2		0.3457	0.0100	4330	4000	8.4	30.0
Dimethyl phthalate	Ave	1.193	1.293	0.0100	4340	4000	8.4	30.0
1,3-Dinitrobenzene	Lin2		0.1174	0.0100	4350	4000	8.8	30.0
2,6-Dinitrotoluene	Lin2		0.2943	0.2000	4310	4000	7.7	30.0
Acenaphthylene	Ave	1.736	1.889	0.9000	4350	4000	8.8	30.0
3-Nitroaniline	Lin2		0.3252	0.0100	4240	4000	6.0	30.0
2,4-Dinitrophenol	Lin1		0.1120	0.0100	8250	8000	3.1	30.0
Acenaphthene	Ave	1.153	1.276	0.9000	4430	4000	10.7	30.0
4-Nitrophenol	Lin2		0.1499	0.0100	8560	8000	7.0	30.0
2,4-Dinitrotoluene	Lin2		0.3855	0.2000	4320	4000	8.1	30.0
Dibenzofuran	Ave	1.583	1.675	0.8000	4230	4000	5.8	30.0
2,3,4,6-Tetrachlorophenol	Lin2		0.2848	0.0100	4380	4000	9.4	30.0
Hexadecane	Ave	0.7748	0.8307	0.0100	4290	4000	7.2	30.0
Diethyl phthalate	Ave	1.217	1.315	0.0100	4320	4000	8.1	30.0
4-Chlorophenyl phenyl ether	Ave	0.6173	0.6619	0.4000	4290	4000	7.2	30.0
4-Nitroaniline	Lin2		0.3481	0.0100	4410	4000	10.3	30.0
Fluorene	Ave	1.237	1.329	0.9000	4300	4000	7.4	30.0
4,6-Dinitro-2-methylphenol	Lin2		0.1056	0.0100	8780	8000	9.7	30.0
Diphenylamine	Ave	0.6178	0.6370	0.0100	3530	3420	3.1	30.0
N-Nitrosodiphenylamine	Ave	0.5282	0.5447	0.0100	4120	4000	3.1	30.0
1,2-Diphenylhydrazine	Ave	0.7660	0.8184	0.0100	4270	4000	6.8	30.0
trans-Azobenzene	Ave	0.7656	0.8184	0.0100	4280	4000	6.9	30.0
4-Bromophenyl phenyl ether	Ave	0.2214	0.2327	0.1000	4210	4000	5.1	30.0
Hexachlorobenzene	Lin2		0.2665	0.1000	4080	4000	1.9	30.0
Atrazine	Ave	0.3209	0.3566	0.0100	8890	8000	11.1	30.0
n-Octadecane	Ave	0.4665	0.4689	0.0100	4020	4000	0.5	30.0
Pentachlorophenol	Lin1		0.0926	0.0500	8130	8000	1.6	30.0
Phenanthrene	Ave	1.065	1.102	0.7000	4140	4000	3.5	30.0
Anthracene	Ave	1.032	1.118	0.7000	4340	4000	8.4	30.0
Carbazole	Ave	0.9341	0.9531	0.0100	4080	4000	2.0	30.0
Di-n-butyl phthalate	Ave	1.209	1.303	0.0100	4310	4000	7.8	30.0
Fluoranthene	Ave	1.085	1.149	0.6000	4230	4000	5.9	30.0
Benzidine	Ave	0.6569	0.6484	0.0100	7900	8000	-1.3	50.0
Pyrene	Ave	1.240	1.330	0.6000	4290	4000	7.3	30.0
Butyl benzyl phthalate	Lin2		0.6279	0.0100	4230	4000	5.7	30.0
Bis(2-ethylhexyl) phthalate	Lin2		0.8633	0.0100	4070	4000	1.6	30.0
3,3'-Dichlorobenzidine	Lin2		0.5006	0.0100	7790	8000	-2.6	50.0
Benzo[a]anthracene	Ave	1.210	1.300	0.8000	4300	4000	7.4	30.0
Chrysene	Ave	1.174	1.209	0.7000	4120	4000	3.0	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: ICV 480-599414/11 Calibration Date: 10/07/2021 15:35

Instrument ID: HP5973Y Calib Start Date: 10/07/2021 11:59

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 10/07/2021 15:08

Lab File ID: Y02825526.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Di-n-octyl phthalate	Lin2		1.536	0.0100	4200	4000	5.1	30.0
Benzo[b]fluoranthene	Lin2		1.237	0.7000	4240	4000	5.9	30.0
Benzo[k]fluoranthene	Lin2		1.317	0.7000	4400	4000	10.1	30.0
Benzo[a]pyrene	Lin2		1.187	0.7000	4140	4000	3.4	30.0
Dibenz(a,h)anthracene	Lin2		1.242	0.4000	4240	4000	6.1	30.0
Indeno[1,2,3-cd]pyrene	Lin2		1.487	0.5000	4300	4000	7.5	30.0
Benzo[g,h,i]perylene	Lin2		1.221	0.5000	4280	4000	6.9	30.0
2-Fluorophenol (Surr)	Lin2		1.234	0.0100	8310	8000	3.8	30.0
Phenol-d5 (Surr)	Ave	1.507	1.558	0.0100	8280	8000	3.4	30.0
Nitrobenzene-d5 (Surr)	Lin2		0.4381	0.0100	4340	4000	8.4	30.0
2-Fluorobiphenyl (Surr)	Ave	1.282	1.377	0.0100	4290	4000	7.4	30.0
2,4,6-Tribromophenol (Surr)	Lin2		0.1211	0.0100	8170	8000	2.1	30.0
p-Terphenyl-d14 (Surr)	Ave	0.997	1.008	0.0100	4040	4000	1.1	30.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825526.D
Lims ID: ICV - List 1 - 4
Client ID:
Sample Type: ICV
Inject. Date: 07-Oct-2021 15:35:30 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 480-0101480-011
Operator ID: JM Instrument ID: HP5973Y
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 08-Oct-2021 11:21:08 Calib Date: 07-Oct-2021 15:08:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825525.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1612

First Level Reviewer: marshallj Date: 08-Oct-2021 10:21:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.524	6.524	0.000	94	301593	4.00	4.00	
* 2 Naphthalene-d8	136	7.614	7.614	0.000	99	1097757	4.00	4.00	
* 3 Acenaphthene-d10	164	9.103	9.101	0.002	93	620997	4.00	4.00	
* 4 Phenanthrene-d10	188	10.363	10.367	-0.004	95	1078222	4.00	4.00	
* 5 Chrysene-d12	240	13.096	13.096	0.000	97	956667	4.00	4.00	
* 6 Perylene-d12	264	15.355	15.352	0.003	96	1035336	4.00	4.00	
$ 7 2-Fluorophenol	112	5.378	5.378	0.000	93	744516	8.00	8.31	
$ 8 Phenol-d5	99	6.184	6.184	0.000	0	940055	8.00	8.28	
$ 9 Nitrobenzene-d5	82	6.992	6.990	0.002	88	480953	4.00	4.34	
$ 10 2-Fluorobiphenyl	172	8.502	8.502	0.000	99	854902	4.00	4.29	
$ 11 2,4,6-Tribromophenol	330	9.767	9.768	-0.001	93	261199	8.00	8.17	
$ 12 p-Terphenyl-d14	244	11.754	11.754	0.000	96	964377	4.00	4.04	
13 1,4-Dioxane	88	3.539	3.534	0.005	96	152632	4.00	4.16	
14 N-Nitrosodimethylamine	42	3.950	3.948	0.002	91	204446	4.00	4.19	
15 Pyridine	52	3.990	3.988	0.002	95	459143	8.00	8.21	
35 Benzaldehyde	77	6.147	6.147	0.000	97	656822	8.00	9.17	
37 Phenol	94	6.198	6.195	0.003	98	510619	4.00	4.23	
36 Aniline	93	6.238	6.238	0.000	98	583048	4.00	4.22	
39 Bis(2-chloroethyl)ether	93	6.269	6.269	0.000	94	366848	4.00	3.91	
40 2-Chlorophenol	128	6.348	6.349	-0.001	98	405525	4.00	4.24	
41 n-Decane	57	6.354	6.354	0.000	97	426938	4.00	4.11	
43 1,3-Dichlorobenzene	146	6.479	6.479	0.000	98	457450	4.00	4.13	
44 1,4-Dichlorobenzene	146	6.538	6.539	-0.001	93	465715	4.00	4.13	
45 Benzyl alcohol	108	6.626	6.624	0.002	93	256528	4.00	4.20	
46 1,2-Dichlorobenzene	146	6.675	6.675	-0.001	96	432883	4.00	4.14	
48 2-Methylphenol	108	6.709	6.712	-0.003	95	374599	4.00	4.22	
49 2,2'-oxybis[1-chloropropane]	45	6.731	6.729	0.002	90	577471	4.00	4.14	
47 Indene	115	6.751	6.751	0.000	88	3709842	20.0	22.2	
57 4-Methylphenol	108	6.833	6.837	-0.004	95	381542	4.00	4.12	
53 N-Nitrosodi-n-propylamine	70	6.839	6.839	0.000	89	283343	4.00	4.23	
52 Acetophenone	105	6.853	6.854	-0.001	95	532236	4.00	4.13	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
58 Hexachloroethane	117	6.967	6.967	0.000	98	191032	4.00	4.31	
59 Nitrobenzene	77	7.006	7.007	-0.001	87	422384	4.00	4.20	
62 Isophorone	82	7.199	7.200	-0.001	99	744326	4.00	4.22	
64 2-Nitrophenol	139	7.279	7.279	0.000	94	212606	4.00	4.29	
66 2,4-Dimethylphenol	107	7.285	7.285	0.000	93	389875	4.00	4.08	
69 Bis(2-chloroethoxy)methane	93	7.356	7.356	0.000	95	454914	4.00	4.25	
70 Benzoic acid	105	7.390	7.384	0.006	90	457829	20.0	19.1	
72 2,4-Dichlorophenol	162	7.480	7.481	-0.001	94	333599	4.00	4.36	
73 1,2,4-Trichlorobenzene	180	7.557	7.557	0.000	94	380537	4.00	4.48	
74 Naphthalene	128	7.631	7.631	0.000	98	1182452	4.00	4.19	
76 4-Chloroaniline	127	7.656	7.657	-0.001	97	468540	4.00	4.34	
77 2,6-Dichlorophenol	162	7.670	7.671	-0.001	97	330156	4.00	4.34	
79 Hexachlorobutadiene	225	7.722	7.722	0.000	97	217310	4.00	4.25	
84 Caprolactam	113	7.951	7.949	0.002	77	217831	8.00	8.33	
85 4-Chloro-3-methylphenol	107	8.048	8.045	0.003	96	325728	4.00	4.32	
87 2-Methylnaphthalene	142	8.212	8.213	-0.001	93	793874	4.00	4.18	
89 1-Methylnaphthalene	142	8.298	8.301	-0.003	93	745526	4.00	4.24	
90 Hexachlorocyclopentadiene	237	8.343	8.343	0.000	93	91234	4.00	3.75	
91 1,2,4,5-Tetrachlorobenzene	216	8.354	8.355	-0.001	98	386010	4.00	4.28	
93 2,4,6-Trichlorophenol	196	8.439	8.440	-0.001	93	214435	4.00	4.03	
94 2,4,5-Trichlorophenol	196	8.479	8.480	-0.001	95	232036	4.00	4.25	
96 1,1'-Biphenyl	154	8.593	8.593	0.000	98	912961	4.00	4.19	
97 2-Chloronaphthalene	162	8.630	8.630	0.000	97	748752	4.00	4.33	
100 2-Nitroaniline	65	8.698	8.695	0.003	87	214689	4.00	4.33	
105 Dimethyl phthalate	163	8.820	8.820	0.000	98	802869	4.00	4.34	
106 1,3-Dinitrobenzene	168	8.865	8.865	0.000	86	128918	4.00	4.35	
107 2,6-Dinitrotoluene	165	8.882	8.883	-0.001	95	182785	4.00	4.31	
108 Acenaphthylene	152	8.987	8.988	-0.001	98	1172815	4.00	4.35	
109 3-Nitroaniline	138	9.038	9.039	-0.001	96	201955	4.00	4.24	
111 2,4-Dinitrophenol	184	9.126	9.127	-0.001	88	139051	8.00	8.25	
110 Acenaphthene	153	9.129	9.129	0.000	97	792454	4.00	4.43	
112 4-Nitrophenol	109	9.157	9.158	-0.001	92	186189	8.00	8.56	
114 2,4-Dinitrotoluene	165	9.231	9.232	-0.001	94	239381	4.00	4.32	
115 Dibenzofuran	168	9.274	9.271	0.003	96	1039938	4.00	4.23	
118 2,3,4,6-Tetrachlorophenol	232	9.367	9.371	-0.004	73	176844	4.00	4.38	
121 Hexadecane	57	9.393	9.396	-0.003	94	515848	4.00	4.29	
120 Diethyl phthalate	149	9.401	9.405	-0.004	98	816793	4.00	4.32	
123 4-Chlorophenyl phenyl ether	204	9.532	9.532	0.000	92	411048	4.00	4.29	
126 4-Nitroaniline	138	9.558	9.558	0.000	85	216181	4.00	4.41	
124 Fluorene	166	9.563	9.564	-0.001	93	824998	4.00	4.30	
127 4,6-Dinitro-2-methylphenol	198	9.583	9.583	0.000	84	227624	8.00	8.78	
129 Diphenylamine	169	9.628	9.632	-0.004	92	587276	3.42	3.53	
130 N-Nitrosodiphenylamine	169	9.628	9.632	-0.004	65	587276	4.00	4.12	
131 1,2-Diphenylhydrazine	77	9.671	9.671	0.000	43	882381	4.00	4.27	
132 Azobenzene	77	9.671	9.671	0.000	99	882381	4.00	4.28	
139 4-Bromophenyl phenyl ether	248	9.949	9.949	0.000	67	250938	4.00	4.21	
140 Hexachlorobenzene	284	10.040	10.040	0.000	95	287296	4.00	4.08	
143 Atrazine	200	10.048	10.049	-0.001	92	442840	8.00	8.89	
148 n-Octadecane	57	10.165	10.165	0.000	94	505629	4.00	4.02	
145 Pentachlorophenol	266	10.196	10.196	0.000	93	199708	8.00	8.13	
151 Phenanthrene	178	10.386	10.386	0.000	97	1188355	4.00	4.14	
152 Anthracene	178	10.429	10.429	0.000	97	1205977	4.00	4.34	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
153 Carbazole	167	10.545	10.545	0.000	97	1027633	4.00	4.08	
157 Di-n-butyl phthalate	149	10.766	10.767	-0.001	100	1404939	4.00	4.31	
164 Fluoranthene	202	11.427	11.428	-0.001	99	1238726	4.00	4.23	
166 Benzidine	184	11.507	11.510	-0.003	99	1240681	8.00	7.90	
167 Pyrene	202	11.663	11.663	0.000	95	1272115	4.00	4.29	
174 Butyl benzyl phthalate	149	12.245	12.245	0.000	98	600671	4.00	4.23	
181 Bis(2-ethylhexyl) phthalate	149	12.951	12.952	-0.001	97	825934	4.00	4.07	
179 3,3'-Dichlorobenzidine	252	12.988	12.991	-0.003	74	957758	8.00	7.79	
180 Benzo[a]anthracene	228	13.079	13.082	-0.003	99	1243899	4.00	4.30	
182 Chrysene	228	13.136	13.136	0.000	97	1156919	4.00	4.12	
184 Di-n-octyl phthalate	149	13.908	13.908	0.000	99	1469302	4.00	4.20	
186 Benzo[b]fluoranthene	252	14.725	14.725	0.000	98	1280235	4.00	4.24	
187 Benzo[k]fluoranthene	252	14.767	14.768	-0.001	98	1363436	4.00	4.40	
189 Benzo[a]pyrene	252	15.270	15.267	0.003	76	1229442	4.00	4.14	
194 Dibenz(a,h)anthracene	278	17.233	17.231	0.002	91	1285598	4.00	4.24	
193 Indeno[1,2,3-cd]pyrene	276	17.245	17.242	0.003	96	1539886	4.00	4.30	
195 Benzo[g,h,i]perylene	276	17.804	17.801	0.003	97	1263989	4.00	4.28	

QC Flag Legend

Processing Flags

Reagents:

MB_L1SSLV_WRK_00042	Amount Added: 1.00	Units: mL	
MB_LLIS_WRK_00223	Amount Added: 20.00	Units: uL	Run Reagent

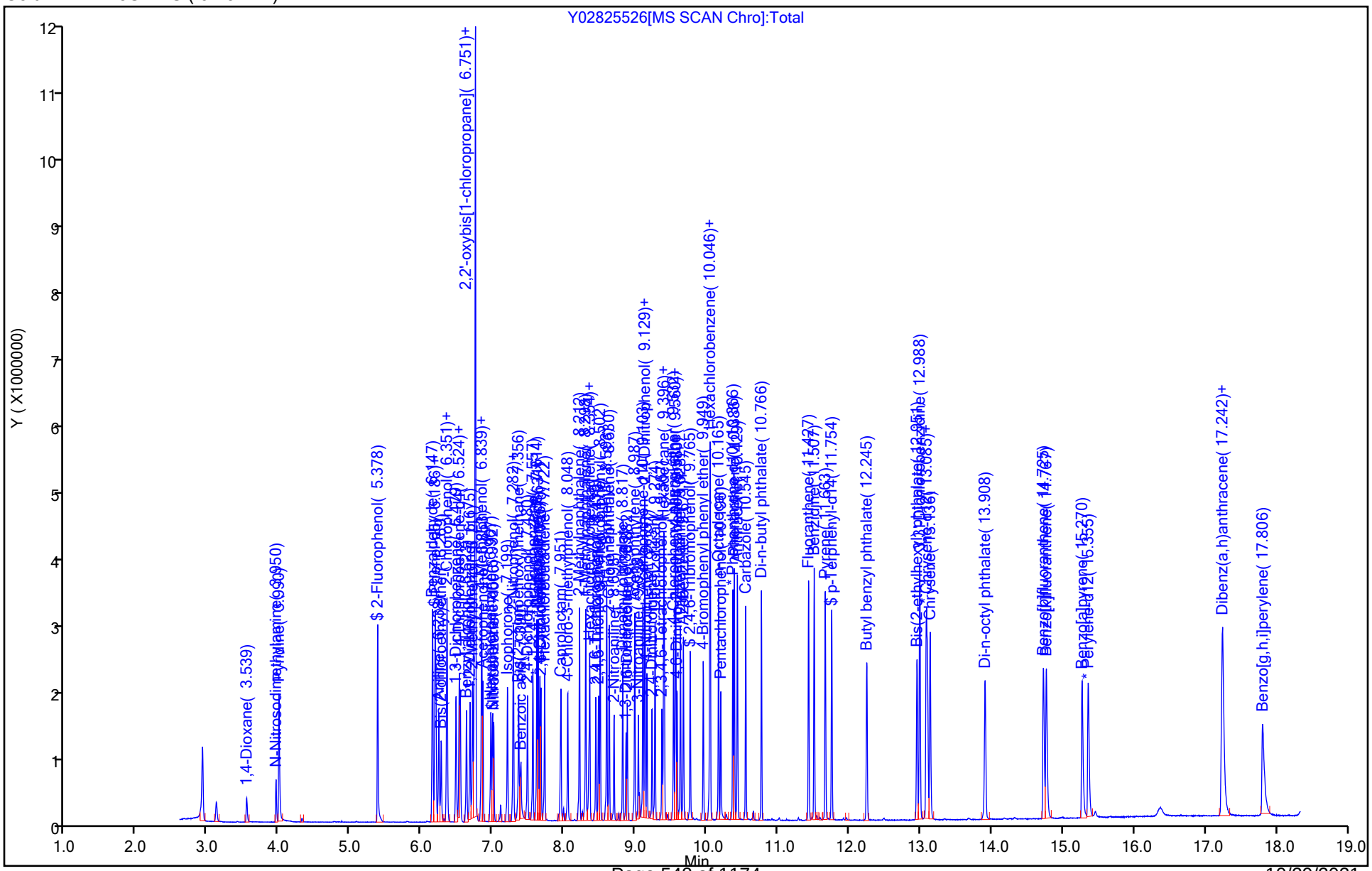
Report Date: 08-Oct-2021 11:21:13 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825526.D

Injection Date:	07-Oct-2021 15:35:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	ICV - List 1 - 4			Worklist Smp#:	11
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: CCVIS 480-601587/3 Calibration Date: 10/22/2021 12:19

Instrument ID: HP5973Y Calib Start Date: 10/07/2021 11:59

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 10/07/2021 15:08

Lab File ID: Y02825992.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Lin2		0.4620	0.0100	3790	4000	-5.3	20.0
N-Nitrosodimethylamine	Ave	0.6473	0.5402	0.0100	3340	4000	-16.5	50.0
Pyridine	Ave	0.7416	0.6449	0.0100	6960	8000	-13.0	50.0
Benzaldehyde	Lin2		0.8943	0.0100	7510	8000	-6.1	50.0
Phenol	Ave	1.600	1.505	0.8000	3760	4000	-6.0	20.0
Aniline	Ave	1.831	1.722	0.0100	3760	4000	-6.0	20.0
Bis(2-chloroethyl)ether	Ave	1.243	1.208	0.7000	3890	4000	-2.8	20.0
2-Chlorophenol	Ave	1.269	1.259	0.8000	3970	4000	-0.8	20.0
n-Decane	Ave	1.376	1.205	0.0100	3500	4000	-12.5	20.0
1,3-Dichlorobenzene	Ave	1.469	1.430	0.0100	3900	4000	-2.6	20.0
1,4-Dichlorobenzene	Ave	1.494	1.448	0.0100	3880	4000	-3.1	20.0
Benzyl alcohol	Ave	0.8096	0.7374	0.0100	3640	4000	-8.9	20.0
1,2-Dichlorobenzene	Ave	1.387	1.372	0.0100	3960	4000	-1.1	20.0
2-Methylphenol	Ave	1.178	1.158	0.7000	3930	4000	-1.7	20.0
bis (2-chloroisopropyl) ether	Ave	1.851	1.756	0.0100	3790	4000	-5.1	20.0
Indene	Lin2		2.476	0.0100	22300	20000	11.7	20.0
N-Nitrosodi-n-propylamine	Ave	0.8894	0.8342	0.5000	3750	4000	-6.2	20.0
4-Methylphenol	Ave	1.228	1.226	0.6000	3990	4000	-0.1	20.0
Acetophenone	Ave	1.708	1.651	0.0100	3870	4000	-3.4	20.0
Hexachloroethane	Ave	0.5880	0.5761	0.3000	3920	4000	-2.0	20.0
Nitrobenzene	Ave	0.3668	0.3407	0.2000	3720	4000	-7.1	20.0
Isophorone	Ave	0.6429	0.6140	0.4000	3820	4000	-4.5	20.0
2-Nitrophenol	Lin2		0.1808	0.1000	4010	4000	0.3	20.0
2,4-Dimethylphenol	Ave	0.3480	0.3241	0.2000	3730	4000	-6.9	20.0
Bis(2-chloroethoxy)methane	Ave	0.3896	0.3833	0.3000	3940	4000	-1.6	20.0
Benzoic acid	Lin1		0.1010	0.0100	21100	20000	5.4	50.0
2,4-Dichlorophenol	Ave	0.2788	0.2814	0.2000	4040	4000	0.9	20.0
1,2,4-Trichlorobenzene	Ave	0.3097	0.3152	0.0100	4070	4000	1.8	20.0
Naphthalene	Ave	1.029	1.001	0.7000	3890	4000	-2.7	20.0
4-Chloroaniline	Ave	0.3931	0.4225	0.0100	4300	4000	7.5	20.0
2,6-Dichlorophenol	Ave	0.2770	0.2833	0.0100	4090	4000	2.3	20.0
Hexachlorobutadiene	Ave	0.1863	0.1864	0.0100	4000	4000	0.0	20.0
Caprolactam	Lin2		0.0933	0.0100	7840	8000	-2.0	50.0
4-Chloro-3-methylphenol	Ave	0.2745	0.2520	0.2000	3670	4000	-8.2	20.0
2-Methylnaphthalene	Ave	0.6919	0.6846	0.4000	3960	4000	-1.0	20.0
1-Methylnaphthalene	Ave	0.6413	0.6497	0.0100	4050	4000	1.3	20.0
Hexachlorocyclopentadiene	Lin1		0.0584	0.0500	2080	4000	-47.9*	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5807	0.5786	0.0100	3990	4000	-0.4	20.0
2,4,6-Trichlorophenol	Lin2		0.3341	0.2000	3910	4000	-2.4	20.0
2,4,5-Trichlorophenol	Lin2		0.3378	0.2000	3850	4000	-3.8	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: CCVIS 480-601587/3 Calibration Date: 10/22/2021 12:19

Instrument ID: HP5973Y Calib Start Date: 10/07/2021 11:59

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 10/07/2021 15:08

Lab File ID: Y02825992.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Biphenyl	Ave	1.404	1.381	0.0100	3930	4000	-1.6	20.0
2-Chloronaphthalene	Ave	1.113	1.110	0.8000	3990	4000	-0.3	20.0
2-Nitroaniline	Lin2		0.2798	0.0100	3520	4000	-11.9	20.0
Dimethyl phthalate	Ave	1.193	1.206	0.0100	4050	4000	1.1	20.0
1,3-Dinitrobenzene	Lin2		0.1076	0.0100	4000	4000	-0.0	20.0
2,6-Dinitrotoluene	Lin2		0.2840	0.2000	4160	4000	3.9	20.0
Acenaphthylene	Ave	1.736	1.796	0.9000	4140	4000	3.5	20.0
3-Nitroaniline	Lin2		0.3017	0.0100	3940	4000	-1.6	20.0
Acenaphthene	Ave	1.153	1.162	0.9000	4030	4000	0.8	20.0
2,4-Dinitrophenol	Lin1		0.0849	0.0100	6780	8000	-15.2	20.0
4-Nitrophenol	Lin2		0.1195	0.0100	6910	8000	-13.6	20.0
2,4-Dinitrotoluene	Lin2		0.3691	0.2000	4140	4000	3.6	20.0
Dibenzofuran	Ave	1.583	1.556	0.8000	3930	4000	-1.7	20.0
2,3,4,6-Tetrachlorophenol	Lin2		0.2446	0.0100	3830	4000	-4.2	20.0
Hexadecane	Ave	0.7748	0.7125	0.0100	3680	4000	-8.0	20.0
Diethyl phthalate	Ave	1.217	1.235	0.0100	4060	4000	1.5	20.0
4-Chlorophenyl phenyl ether	Ave	0.6173	0.5813	0.4000	3770	4000	-5.8	20.0
4-Nitroaniline	Lin2		0.3093	0.0100	3930	4000	-1.8	20.0
Fluorene	Ave	1.237	1.246	0.9000	4030	4000	0.7	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.0936	0.0100	7930	8000	-0.9	20.0
Diphenylamine	Ave	0.6178	0.6326	0.0100	3500	3420	2.4	20.0
N-Nitrosodiphenylamine	Ave	0.5282	0.5409	0.0100	4100	4000	2.4	20.0
1,2-Diphenylhydrazine	Ave	0.7660	0.7637	0.0100	3990	4000	-0.3	20.0
trans-Azobenzene	Ave	0.7656	0.7637	0.0100	3990	4000	-0.3	20.0
4-Bromophenyl phenyl ether	Ave	0.2214	0.2247	0.1000	4060	4000	1.5	20.0
Hexachlorobenzene	Lin2		0.2751	0.1000	4210	4000	5.2	20.0
Atrazine	Ave	0.3209	0.3382	0.0100	8430	8000	5.4	20.0
n-Octadecane	Ave	0.4665	0.4177	0.0100	3580	4000	-10.4	20.0
Pentachlorophenol	Lin1		0.0871	0.0500	7760	8000	-3.0	20.0
Phenanthrene	Ave	1.065	1.089	0.7000	4090	4000	2.2	20.0
Anthracene	Ave	1.032	1.054	0.7000	4090	4000	2.1	20.0
Carbazole	Ave	0.9341	0.9142	0.0100	3910	4000	-2.1	20.0
Di-n-butyl phthalate	Ave	1.209	1.261	0.0100	4170	4000	4.3	20.0
Fluoranthene	Ave	1.085	1.131	0.6000	4170	4000	4.2	20.0
Benzidine	Ave	0.6569	0.6227	0.0100	7580	8000	-5.2	50.0
Pyrene	Ave	1.240	1.292	0.6000	4170	4000	4.2	20.0
Butyl benzyl phthalate	Lin2		0.5904	0.0100	3980	4000	-0.5	20.0
Bis(2-ethylhexyl) phthalate	Lin2		0.8218	0.0100	3880	4000	-3.1	20.0
3,3'-Dichlorobenzidine	Lin2		0.5011	0.0100	7800	8000	-2.5	50.0
Benzo[a]anthracene	Ave	1.210	1.201	0.8000	3970	4000	-0.8	20.0
Chrysene	Ave	1.174	1.102	0.7000	3760	4000	-6.1	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: CCVIS 480-601587/3 Calibration Date: 10/22/2021 12:19

Instrument ID: HP5973Y Calib Start Date: 10/07/2021 11:59

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 10/07/2021 15:08

Lab File ID: Y02825992.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Di-n-octyl phthalate	Lin2		1.383	0.0100	3800	4000	-5.0	20.0
Benzo[b]fluoranthene	Lin2		1.194	0.7000	4090	4000	2.3	20.0
Benzo[k]fluoranthene	Lin2		1.194	0.7000	3990	4000	-0.2	20.0
Benzo[a]pyrene	Lin2		1.167	0.7000	4060	4000	1.6	20.0
Dibenz(a,h)anthracene	Lin2		1.061	0.4000	3630	4000	-9.2	20.0
Indeno[1,2,3-cd]pyrene	Lin2		1.294	0.5000	3750	4000	-6.3	20.0
Benzo[g,h,i]perylene	Lin2		1.070	0.5000	3750	4000	-6.2	20.0
2-Fluorophenol (Surr)	Lin2		1.077	0.0100	3650	4000	-8.7	20.0
Phenol-d5 (Surr)	Ave	1.507	1.408	0.0100	3740	4000	-6.6	20.0
Nitrobenzene-d5 (Surr)	Lin2		0.3443	0.0100	3420	4000	-14.4	20.0
2-Fluorobiphenyl (Surr)	Ave	1.282	1.317	0.0100	4110	4000	2.7	20.0
2,4,6-Tribromophenol (Surr)	Lin2		0.1294	0.0100	4440	4000	11.0	20.0
p-Terphenyl-d14 (Surr)	Ave	0.997	0.9767	0.0100	3920	4000	-2.0	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211022-101850.b\Y02825992.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 22-Oct-2021 12:19:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 480-0101850-003
Operator ID: JM Instrument ID: HP5973Y
Sublist: chrom-Y-LVI-8270*sub36

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211022-101850.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 22-Oct-2021 16:36:27 Calib Date: 12-Oct-2021 15:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211012-101584.b\Y02825651.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1677

First Level Reviewer: marshallj Date: 22-Oct-2021 12:42:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.319	6.319	0.000	94	227908	4.00	4.00	
* 2 Naphthalene-d8	136	7.411	7.411	0.000	99	817739	4.00	4.00	
* 3 Acenaphthene-d10	164	8.895	8.895	0.000	94	465875	4.00	4.00	
* 4 Phenanthrene-d10	188	10.158	10.158	0.000	95	749067	4.00	4.00	
* 5 Chrysene-d12	240	12.797	12.797	0.000	97	665907	4.00	4.00	
* 6 Perylene-d12	264	15.004	15.004	0.000	97	708625	4.00	4.00	
$ 7 2-Fluorophenol	112	5.172	5.172	0.000	91	245372	4.00	3.65	
$ 8 Phenol-d5	99	5.995	5.995	0.000	0	320793	4.00	3.74	
$ 9 Nitrobenzene-d5	82	6.792	6.792	0.000	88	281556	4.00	3.42	
$ 10 2-Fluorobiphenyl	172	8.302	8.302	0.000	99	613748	4.00	4.11	
$ 11 2,4,6-Tribromophenol	330	9.559	9.559	0.000	93	96906	4.00	4.44	
$ 12 p-Terphenyl-d14	244	11.511	11.511	0.000	98	650364	4.00	3.92	
13 1,4-Dioxane	88	3.194	3.194	0.000	92	105302	4.00	3.79	
14 N-Nitrosodimethylamine	42	3.665	3.665	0.000	92	123121	4.00	3.34	
15 Pyridine	52	3.702	3.702	0.000	95	293945	8.00	6.96	
35 Benzaldehyde	77	5.941	5.941	0.000	97	407652	8.00	7.51	
37 Phenol	94	6.006	6.006	0.000	98	342895	4.00	3.76	
36 Aniline	93	6.032	6.032	0.000	98	392353	4.00	3.76	
39 Bis(2-chloroethyl)ether	93	6.072	6.072	0.000	96	275251	4.00	3.89	
40 2-Chlorophenol	128	6.145	6.145	0.000	96	286944	4.00	3.97	
41 n-Decane	57	6.154	6.154	0.000	94	274644	4.00	3.50	
43 1,3-Dichlorobenzene	146	6.270	6.270	0.000	98	325924	4.00	3.90	
44 1,4-Dichlorobenzene	146	6.333	6.333	0.000	94	330030	4.00	3.88	
45 Benzyl alcohol	108	6.429	6.429	0.000	94	168070	4.00	3.64	
46 1,2-Dichlorobenzene	146	6.469	6.469	0.000	97	312746	4.00	3.96	
48 2-Methylphenol	108	6.520	6.520	0.000	97	263971	4.00	3.93	
49 2,2'-oxybis[1-chloropropane]	45	6.531	6.531	0.000	93	400220	4.00	3.79	
47 Indene	115	6.546	6.546	0.000	88	2821602	20.0	22.3	
53 N-Nitrosodi-n-propylamine	70	6.642	6.642	0.000	87	190117	4.00	3.75	
57 4-Methylphenol	108	6.648	6.648	0.000	93	279454	4.00	3.99	
52 Acetophenone	105	6.656	6.656	0.000	96	376235	4.00	3.87	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
58 Hexachloroethane	117	6.758	6.758	0.000	97	131293	4.00	3.92	
59 Nitrobenzene	77	6.809	6.809	0.000	87	278590	4.00	3.72	
62 Isophorone	82	7.000	7.000	0.000	99	502061	4.00	3.82	
64 2-Nitrophenol	139	7.079	7.079	0.000	93	147813	4.00	4.01	
66 2,4-Dimethylphenol	107	7.093	7.093	0.000	94	265053	4.00	3.73	
69 Bis(2-chloroethoxy)methane	93	7.161	7.161	0.000	98	313473	4.00	3.94	
70 Benzoic acid	105	7.204	7.204	0.000	89	412841	20.0	21.1	
72 2,4-Dichlorophenol	162	7.286	7.286	0.000	92	230122	4.00	4.04	
73 1,2,4-Trichlorobenzene	180	7.354	7.354	0.000	93	257771	4.00	4.07	
74 Naphthalene	128	7.428	7.428	0.000	98	818955	4.00	3.89	
76 4-Chloroaniline	127	7.459	7.459	0.000	98	345490	4.00	4.30	
77 2,6-Dichlorophenol	162	7.471	7.471	0.000	97	231666	4.00	4.09	
79 Hexachlorobutadiene	225	7.519	7.519	0.000	97	152406	4.00	4.00	
84 Caprolactam	113	7.754	7.754	0.000	79	152567	8.00	7.84	
85 4-Chloro-3-methylphenol	107	7.857	7.857	0.000	94	206085	4.00	3.67	
87 2-Methylnaphthalene	142	8.010	8.010	0.000	91	559848	4.00	3.96	
89 1-Methylnaphthalene	142	8.095	8.095	0.000	95	531303	4.00	4.05	
90 Hexachlorocyclopentadiene	237	8.140	8.140	0.000	95	27186	4.00	2.08	
91 1,2,4,5-Tetrachlorobenzene	216	8.152	8.152	0.000	96	269539	4.00	3.99	
93 2,4,6-Trichlorophenol	196	8.242	8.242	0.000	92	155664	4.00	3.91	
94 2,4,5-Trichlorophenol	196	8.282	8.282	0.000	95	157356	4.00	3.85	
96 1,1'-Biphenyl	154	8.390	8.390	0.000	97	643418	4.00	3.93	
97 2-Chloronaphthalene	162	8.427	8.427	0.000	96	516939	4.00	3.99	
100 2-Nitroaniline	65	8.498	8.498	0.000	89	130374	4.00	3.52	
105 Dimethyl phthalate	163	8.620	8.620	0.000	99	561970	4.00	4.05	
106 1,3-Dinitrobenzene	168	8.671	8.671	0.000	85	87969	4.00	4.00	
107 2,6-Dinitrotoluene	165	8.685	8.685	0.000	94	132304	4.00	4.16	
108 Acenaphthylene	152	8.782	8.782	0.000	98	836898	4.00	4.14	
109 3-Nitroaniline	138	8.841	8.841	0.000	96	140559	4.00	3.94	
110 Acenaphthene	153	8.923	8.923	0.000	96	541260	4.00	4.03	
111 2,4-Dinitrophenol	184	8.935	8.935	0.000	82	79103	8.00	6.78	
112 4-Nitrophenol	109	8.972	8.972	0.000	88	111309	8.00	6.91	
114 2,4-Dinitrotoluene	165	9.034	9.034	0.000	96	171959	4.00	4.14	
115 Dibenzofuran	168	9.068	9.068	0.000	97	724747	4.00	3.93	
118 2,3,4,6-Tetrachlorophenol	232	9.168	9.168	0.000	72	113972	4.00	3.83	
121 Hexadecane	57	9.196	9.196	0.000	94	331957	4.00	3.68	
120 Diethyl phthalate	149	9.204	9.204	0.000	98	575226	4.00	4.06	
123 4-Chlorophenyl phenyl ether	204	9.326	9.326	0.000	92	270819	4.00	3.77	
124 Fluorene	166	9.358	9.358	0.000	96	580251	4.00	4.03	
126 4-Nitroaniline	138	9.358	9.358	0.000	86	144073	4.00	3.93	
127 4,6-Dinitro-2-methylphenol	198	9.389	9.389	0.000	87	140237	8.00	7.93	
130 N-Nitrosodiphenylamine	169	9.426	9.426	0.000	65	405179	4.00	4.10	
129 Diphenylamine	169	9.426	9.426	0.000	93	405179	3.42	3.50	
132 Azobenzene	77	9.468	9.468	0.000	99	572052	4.00	3.99	
131 1,2-Diphenylhydrazine	77	9.468	9.468	0.000	41	572052	4.00	3.99	
139 4-Bromophenyl phenyl ether	248	9.744	9.744	0.000	66	168335	4.00	4.06	
140 Hexachlorobenzene	284	9.834	9.834	0.000	95	206097	4.00	4.21	
143 Atrazine	200	9.849	9.849	0.000	92	315074	8.00	8.43	
148 n-Octadecane	57	9.968	9.968	0.000	94	312904	4.00	3.58	
145 Pentachlorophenol	266	9.993	9.993	0.000	93	130525	8.00	7.76	
151 Phenanthrene	178	10.178	10.178	0.000	98	815482	4.00	4.09	
152 Anthracene	178	10.223	10.223	0.000	97	789333	4.00	4.09	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
153 Carbazole	167	10.342	10.342	0.000	96	684778	4.00	3.91	
157 Di-n-butyl phthalate	149	10.566	10.566	0.000	100	944778	4.00	4.17	
164 Fluoranthene	202	11.205	11.205	0.000	99	846909	4.00	4.17	
166 Benzidine	184	11.279	11.279	0.000	99	829311	8.00	7.58	
167 Pyrene	202	11.426	11.426	0.000	96	860496	4.00	4.17	
174 Butyl benzyl phthalate	149	11.980	11.980	0.000	96	393159	4.00	3.98	
181 Bis(2-ethylhexyl) phthalate	149	12.649	12.649	0.000	96	547238	4.00	3.88	
179 3,3'-Dichlorobenzidine	252	12.686	12.686	0.000	73	667426	8.00	7.80	
180 Benzo[a]anthracene	228	12.785	12.785	0.000	98	799787	4.00	3.97	
182 Chrysene	228	12.837	12.837	0.000	97	734156	4.00	3.76	
184 Di-n-octyl phthalate	149	13.566	13.566	0.000	99	921110	4.00	3.80	
186 Benzo[b]fluoranthene	252	14.392	14.392	0.000	98	846314	4.00	4.09	
187 Benzo[k]fluoranthene	252	14.434	14.434	0.000	97	846134	4.00	3.99	
189 Benzo[a]pyrene	252	14.931	14.931	0.000	77	826910	4.00	4.06	M
194 Dibenz(a,h)anthracene	278	16.804	16.804	0.000	95	752161	4.00	3.63	
193 Indeno[1,2,3-cd]pyrene	276	16.849	16.849	0.000	97	916951	4.00	3.75	M
195 Benzo[g,h,i]perylene	276	17.385	17.385	0.000	97	758393	4.00	3.75	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MB_L1LVI_WRK_00512	Amount Added: 1.00	Units: mL	
MB_LLIS_WRK_00224	Amount Added: 20.00	Units: uL	Run Reagent

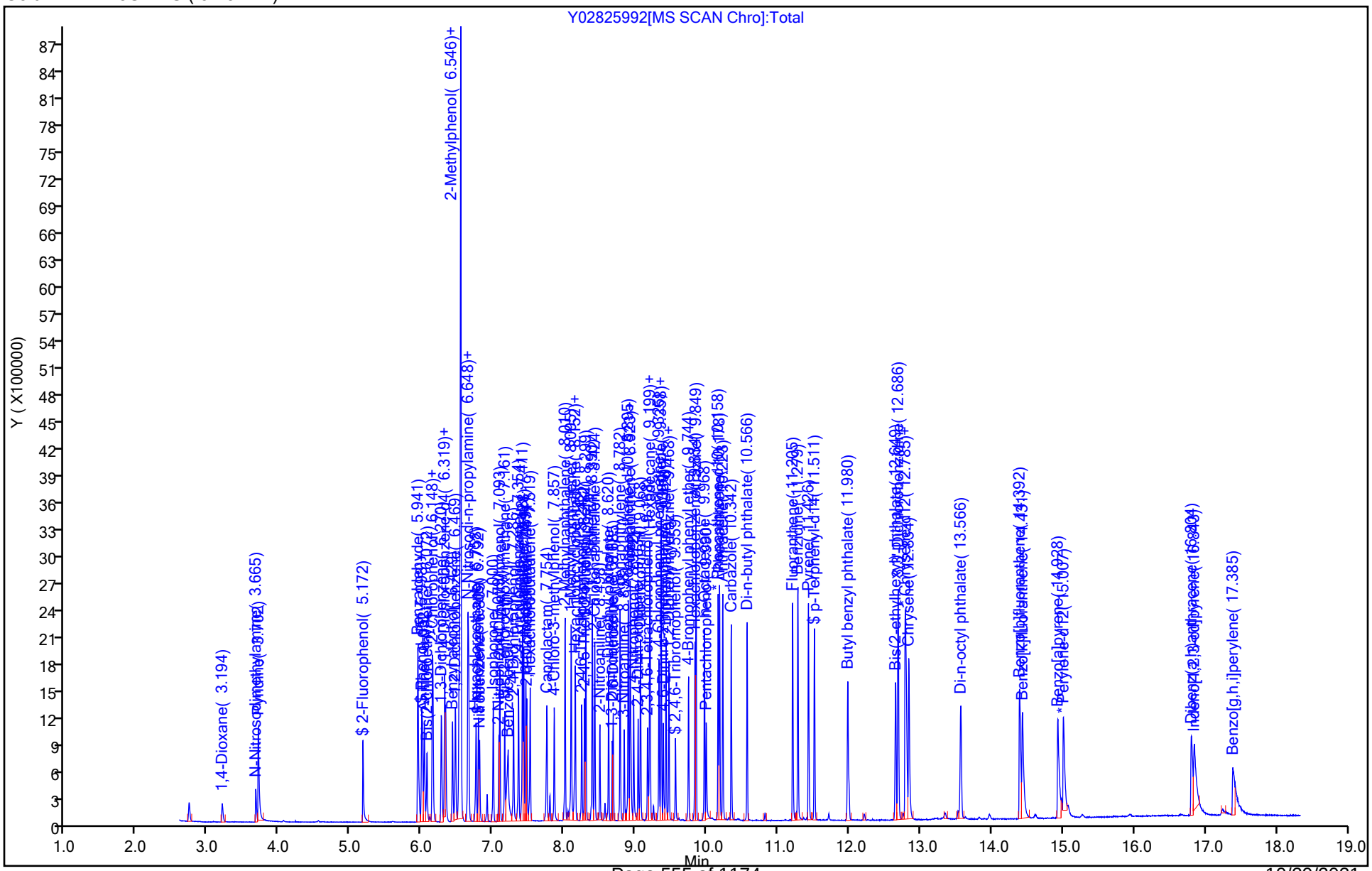
Report Date: 22-Oct-2021 16:36:28 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211022-101850.b\Y02825992.D

Injection Date:	22-Oct-2021 12:19:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo

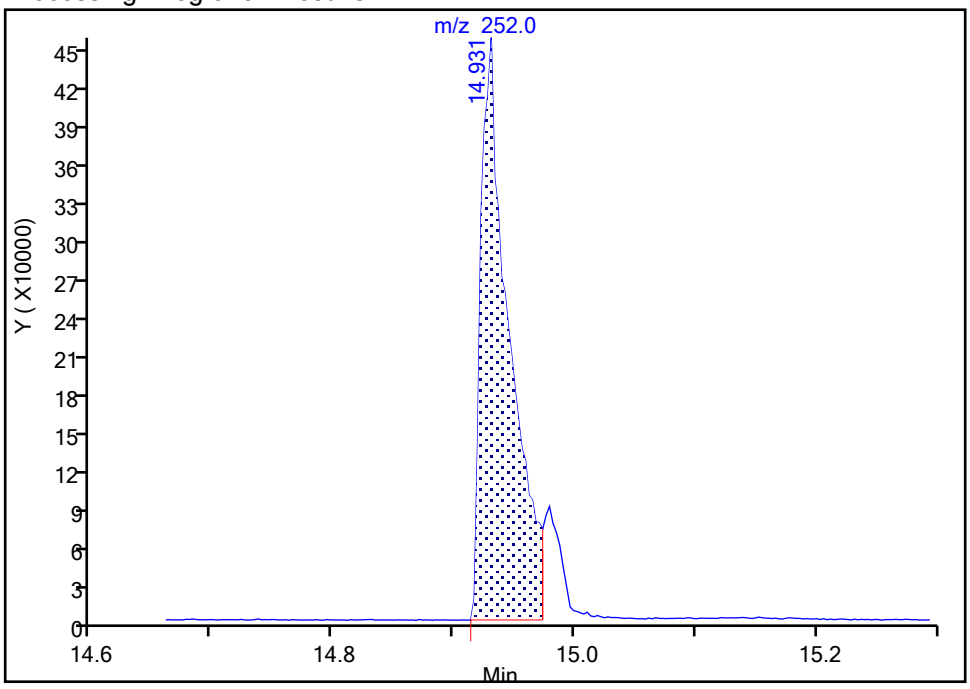
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211022-101850.b\Y02825992.D
Injection Date: 22-Oct-2021 12:19:30 Instrument ID: HP5973Y
Lims ID: CCVIS
Client ID:
Operator ID: JM ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

189 Benzo[a]pyrene, CAS: 50-32-8

Signal: 1

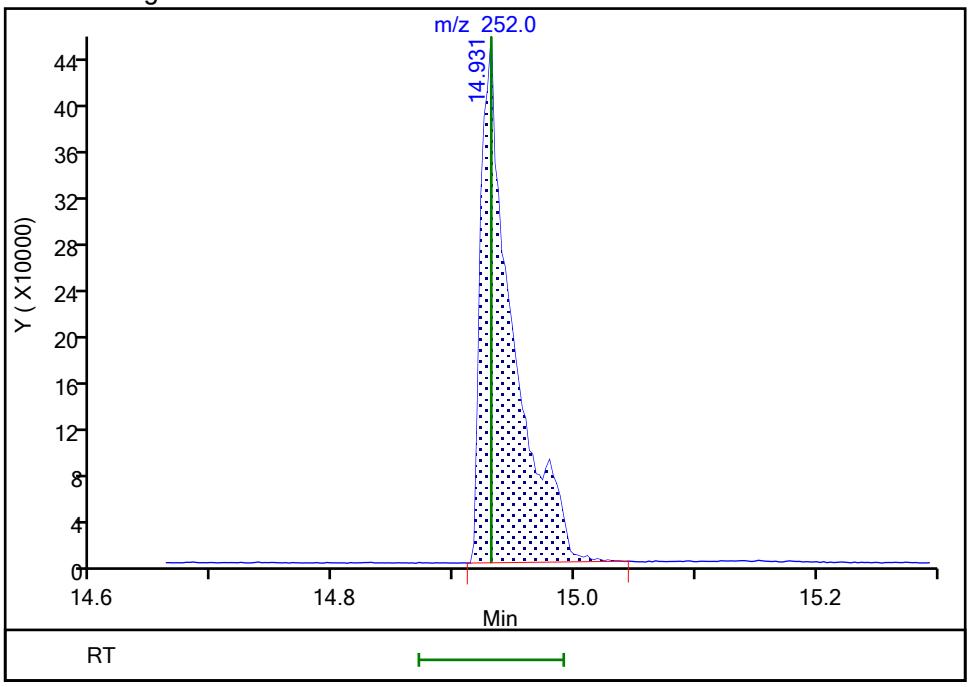
Processing Integration Results

RT: 14.93
Area: 745702
Amount: 3.667409
Amount Units: ng/uL



Manual Integration Results

RT: 14.93
Area: 826910
Amount: 4.064586
Amount Units: ng/uL



Reviewer: marshallj, 22-Oct-2021 14:24:23
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

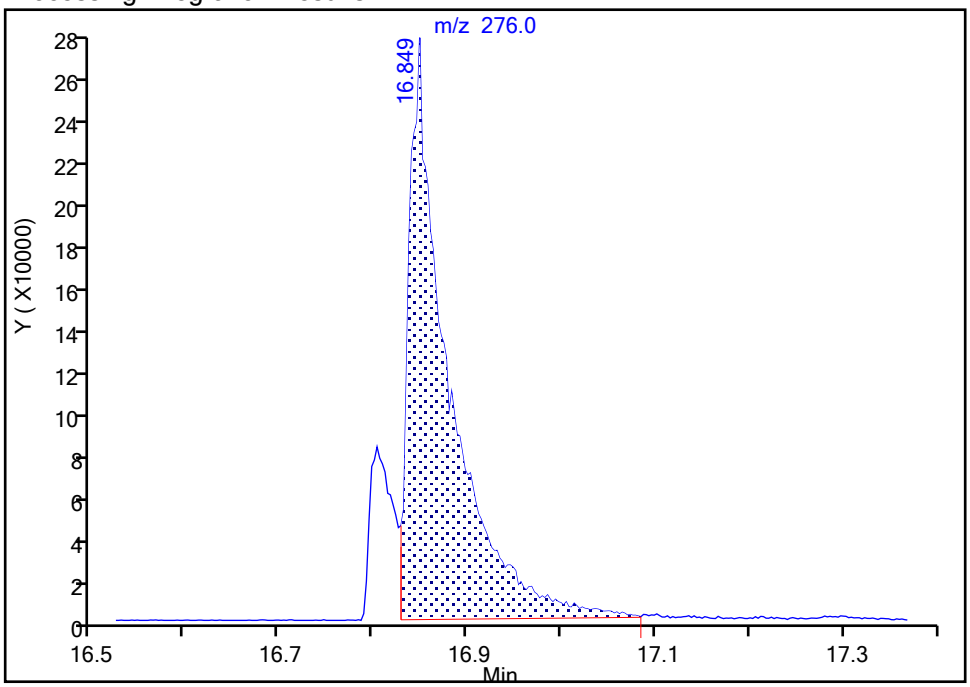
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211022-101850.b\Y02825992.D
Injection Date: 22-Oct-2021 12:19:30 Instrument ID: HP5973Y
Lims ID: CCVIS
Client ID:
Operator ID: JM ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

193 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

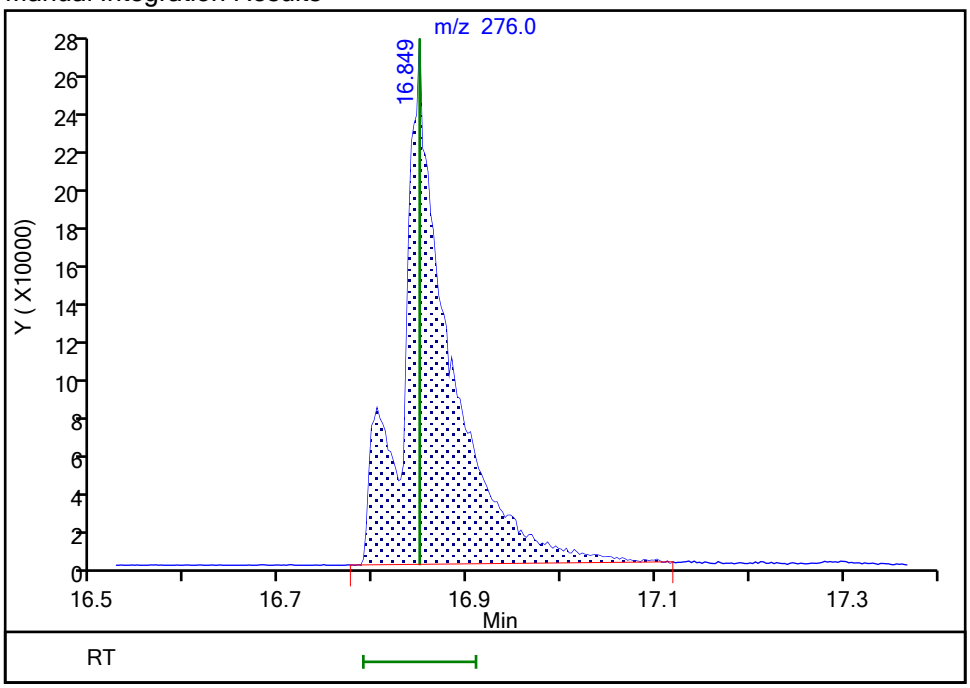
Processing Integration Results

RT: 16.85
Area: 786951
Amount: 3.222639
Amount Units: ng/uL



Manual Integration Results

RT: 16.85
Area: 916951
Amount: 3.747702
Amount Units: ng/uL



Reviewer: marshallj, 22-Oct-2021 12:41:44
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

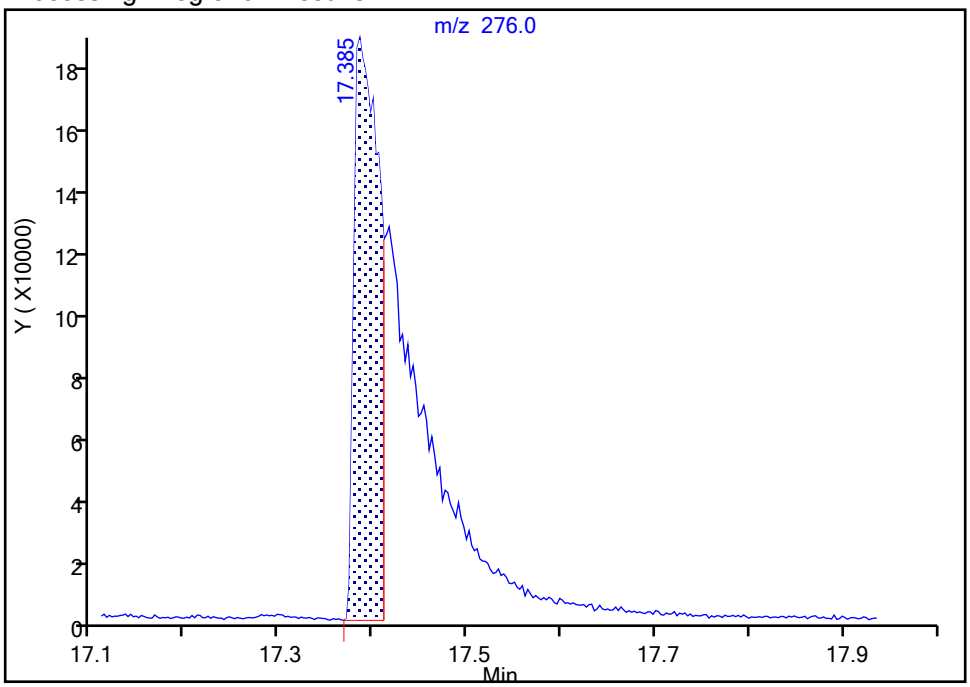
Data File:	\\chromfs\Buffalo\ChromData\HP5973Y\20211022-101850.b\Y02825992.D				
Injection Date:	22-Oct-2021 12:19:30	Instrument ID:	HP5973Y		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	JM	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

195 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

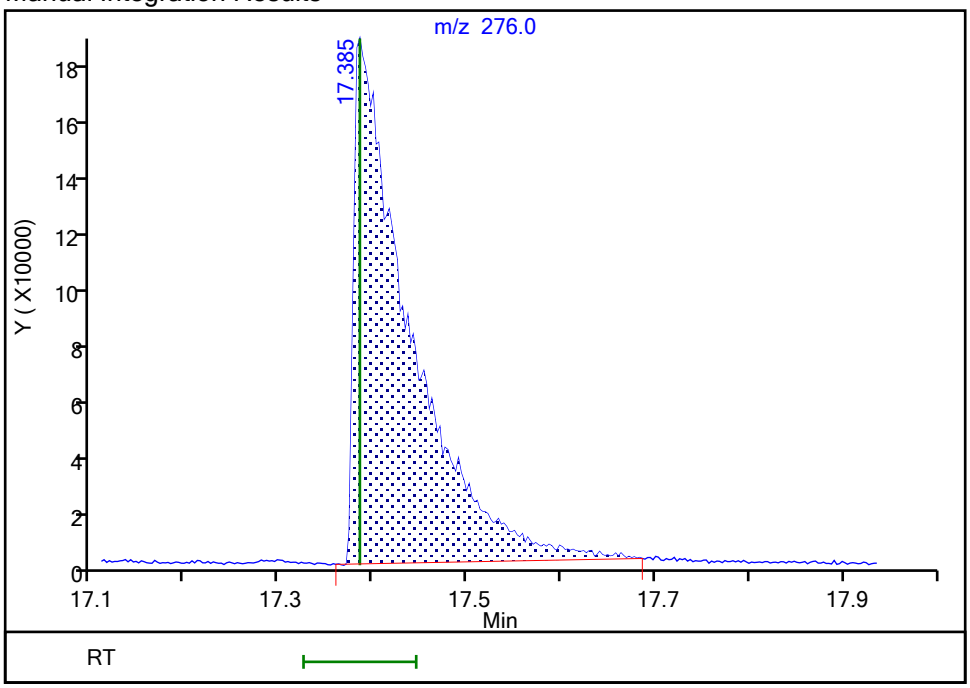
Processing Integration Results

RT: 17.39
Area: 338158
Amount: 1.683360
Amount Units: ng/uL



Manual Integration Results

RT: 17.39
Area: 758393
Amount: 3.752427
Amount Units: ng/uL



Reviewer: marshallj, 22-Oct-2021 12:41:47

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: CCVIS 480-601851/3 Calibration Date: 10/25/2021 11:22

Instrument ID: HP5973Y Calib Start Date: 10/07/2021 11:59

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 10/07/2021 15:08

Lab File ID: Y02826060.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Lin2		0.4462	0.0100	3660	4000	-8.6	20.0
N-Nitrosodimethylamine	Ave	0.6473	0.5503	0.0100	3400	4000	-15.0	50.0
Pyridine	Ave	0.7416	0.6074	0.0100	6550	8000	-18.1	50.0
Benzaldehyde	Lin2		0.9013	0.0100	7570	8000	-5.4	50.0
Phenol	Ave	1.600	1.422	0.8000	3550	4000	-11.1	20.0
Aniline	Ave	1.831	1.723	0.0100	3760	4000	-5.9	20.0
Bis(2-chloroethyl)ether	Ave	1.243	1.152	0.7000	3710	4000	-7.3	20.0
2-Chlorophenol	Ave	1.269	1.317	0.8000	4150	4000	3.8	20.0
n-Decane	Ave	1.376	1.171	0.0100	3400	4000	-15.0	20.0
1,3-Dichlorobenzene	Ave	1.469	1.414	0.0100	3850	4000	-3.7	20.0
1,4-Dichlorobenzene	Ave	1.494	1.456	0.0100	3900	4000	-2.5	20.0
Benzyl alcohol	Ave	0.8096	0.7537	0.0100	3720	4000	-6.9	20.0
1,2-Dichlorobenzene	Ave	1.387	1.362	0.0100	3930	4000	-1.8	20.0
2-Methylphenol	Ave	1.178	1.145	0.7000	3890	4000	-2.8	20.0
bis (2-chloroisopropyl) ether	Ave	1.851	1.698	0.0100	3670	4000	-8.3	20.0
Indene	Lin2		2.476	0.0100	22400	20000	11.8	20.0
N-Nitrosodi-n-propylamine	Ave	0.8894	0.8366	0.5000	3760	4000	-5.9	20.0
4-Methylphenol	Ave	1.228	1.210	0.6000	3940	4000	-1.5	20.0
Acetophenone	Ave	1.708	1.583	0.0100	3710	4000	-7.3	20.0
Hexachloroethane	Ave	0.5880	0.5718	0.3000	3890	4000	-2.8	20.0
Nitrobenzene	Ave	0.3668	0.3284	0.2000	3580	4000	-10.5	20.0
Isophorone	Ave	0.6429	0.5931	0.4000	3690	4000	-7.7	20.0
2-Nitrophenol	Lin2		0.1787	0.1000	3960	4000	-0.9	20.0
2,4-Dimethylphenol	Ave	0.3480	0.3099	0.2000	3560	4000	-10.9	20.0
Bis(2-chloroethoxy)methane	Ave	0.3896	0.3719	0.3000	3820	4000	-4.6	20.0
Benzoic acid	Lin1		0.1034	0.0100	21400	20000	6.8	50.0
2,4-Dichlorophenol	Ave	0.2788	0.2792	0.2000	4010	4000	0.1	20.0
1,2,4-Trichlorobenzene	Ave	0.3097	0.3021	0.0100	3900	4000	-2.5	20.0
Naphthalene	Ave	1.029	0.9801	0.7000	3810	4000	-4.7	20.0
4-Chloroaniline	Ave	0.3931	0.4032	0.0100	4100	4000	2.6	20.0
2,6-Dichlorophenol	Ave	0.2770	0.2861	0.0100	4130	4000	3.3	20.0
Hexachlorobutadiene	Ave	0.1863	0.1816	0.0100	3900	4000	-2.5	20.0
Caprolactam	Lin2		0.0949	0.0100	7980	8000	-0.3	50.0
4-Chloro-3-methylphenol	Ave	0.2745	0.2442	0.2000	3560	4000	-11.0	20.0
2-Methylnaphthalene	Ave	0.6919	0.6767	0.4000	3910	4000	-2.2	20.0
1-Methylnaphthalene	Ave	0.6413	0.6341	0.0100	3960	4000	-1.1	20.0
Hexachlorocyclopentadiene	Lin1		0.0536	0.0500	1990	4000	-50.2*	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5807	0.5910	0.0100	4070	4000	1.8	20.0
2,4,6-Trichlorophenol	Lin2		0.3567	0.2000	4160	4000	4.1	20.0
2,4,5-Trichlorophenol	Lin2		0.3832	0.2000	4350	4000	8.8	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: CCVIS 480-601851/3 Calibration Date: 10/25/2021 11:22

Instrument ID: HP5973Y Calib Start Date: 10/07/2021 11:59

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 10/07/2021 15:08

Lab File ID: Y02826060.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Biphenyl	Ave	1.404	1.444	0.0100	4110	4000	2.9	20.0
2-Chloronaphthalene	Ave	1.113	1.150	0.8000	4130	4000	3.3	20.0
2-Nitroaniline	Lin2		0.2815	0.0100	3550	4000	-11.4	20.0
Dimethyl phthalate	Ave	1.193	1.269	0.0100	4260	4000	6.4	20.0
1,3-Dinitrobenzene	Lin2		0.1071	0.0100	3980	4000	-0.5	20.0
2,6-Dinitrotoluene	Lin2		0.2905	0.2000	4250	4000	6.3	20.0
Acenaphthylene	Ave	1.736	1.789	0.9000	4120	4000	3.1	20.0
3-Nitroaniline	Lin2		0.3136	0.0100	4090	4000	2.2	20.0
Acenaphthene	Ave	1.153	1.210	0.9000	4200	4000	5.0	20.0
2,4-Dinitrophenol	Lin1		0.0861	0.0100	6850	8000	-14.4	20.0
4-Nitrophenol	Lin2		0.1203	0.0100	6960	8000	-13.1	20.0
2,4-Dinitrotoluene	Lin2		0.3586	0.2000	4030	4000	0.7	20.0
Dibenzofuran	Ave	1.583	1.626	0.8000	4110	4000	2.7	20.0
2,3,4,6-Tetrachlorophenol	Lin2		0.2622	0.0100	4070	4000	1.7	20.0
Hexadecane	Ave	0.7748	0.6814	0.0100	3520	4000	-12.1	20.0
Diethyl phthalate	Ave	1.217	1.300	0.0100	4270	4000	6.8	20.0
4-Chlorophenyl phenyl ether	Ave	0.6173	0.6373	0.4000	4130	4000	3.2	20.0
Fluorene	Ave	1.237	1.346	0.9000	4350	4000	8.9	20.0
4-Nitroaniline	Lin2		0.3377	0.0100	4280	4000	7.1	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.0927	0.0100	7860	8000	-1.8	20.0
Diphenylamine	Ave	0.6178	0.6305	0.0100	3490	3420	2.1	20.0
N-Nitrosodiphenylamine	Ave	0.5282	0.5391	0.0100	4080	4000	2.1	20.0
1,2-Diphenylhydrazine	Ave	0.7660	0.7156	0.0100	3740	4000	-6.6	20.0
trans-Azobenzene	Ave	0.7656	0.7156	0.0100	3740	4000	-6.5	20.0
4-Bromophenyl phenyl ether	Ave	0.2214	0.2218	0.1000	4010	4000	0.2	20.0
Hexachlorobenzene	Lin2		0.2667	0.1000	4080	4000	2.0	20.0
Atrazine	Ave	0.3209	0.3548	0.0100	8850	8000	10.6	20.0
n-Octadecane	Ave	0.4665	0.3854	0.0100	3300	4000	-17.4	20.0
Pentachlorophenol	Lin1		0.0834	0.0500	7520	8000	-6.0	20.0
Phenanthrene	Ave	1.065	1.054	0.7000	3960	4000	-1.0	20.0
Anthracene	Ave	1.032	1.048	0.7000	4060	4000	1.6	20.0
Carbazole	Ave	0.9341	0.8962	0.0100	3840	4000	-4.1	20.0
Di-n-butyl phthalate	Ave	1.209	1.213	0.0100	4010	4000	0.3	20.0
Fluoranthene	Ave	1.085	1.058	0.6000	3900	4000	-2.5	20.0
Benzidine	Ave	0.6569	0.6647	0.0100	8090	8000	1.2	50.0
Pyrene	Ave	1.240	1.308	0.6000	4220	4000	5.5	20.0
Butyl benzyl phthalate	Lin2		0.5817	0.0100	3920	4000	-1.9	20.0
Bis(2-ethylhexyl) phthalate	Lin2		0.8266	0.0100	3900	4000	-2.5	20.0
3,3'-Dichlorobenzidine	Lin2		0.5213	0.0100	8110	8000	1.3	50.0
Benzo[a]anthracene	Ave	1.210	1.280	0.8000	4230	4000	5.8	20.0
Chrysene	Ave	1.174	1.177	0.7000	4010	4000	0.2	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: CCVIS 480-601851/3 Calibration Date: 10/25/2021 11:22

Instrument ID: HP5973Y Calib Start Date: 10/07/2021 11:59

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 10/07/2021 15:08

Lab File ID: Y02826060.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Di-n-octyl phthalate	Lin2		1.340	0.0100	3690	4000	-7.9	20.0
Benzo[b]fluoranthene	Lin2		1.234	0.7000	4230	4000	5.7	20.0
Benzo[k]fluoranthene	Lin2		1.238	0.7000	4140	4000	3.5	20.0
Benzo[a]pyrene	Lin2		1.215	0.7000	4230	4000	5.8	20.0
Dibenz(a,h)anthracene	Lin2		1.194	0.4000	4080	4000	2.0	20.0
Indeno[1,2,3-cd]pyrene	Lin2		1.365	0.5000	3950	4000	-1.3	20.0
Benzo[g,h,i]perylene	Lin2		1.154	0.5000	4040	4000	1.1	20.0
2-Fluorophenol (Surr)	Lin2		1.117	0.0100	3790	4000	-5.4	20.0
Phenol-d5 (Surr)	Ave	1.507	1.483	0.0100	3940	4000	-1.6	20.0
Nitrobenzene-d5 (Surr)	Lin2		0.3319	0.0100	3300	4000	-17.5	20.0
2-Fluorobiphenyl (Surr)	Ave	1.282	1.324	0.0100	4130	4000	3.3	20.0
2,4,6-Tribromophenol (Surr)	Lin2		0.1271	0.0100	4370	4000	9.1	20.0
p-Terphenyl-d14 (Surr)	Ave	0.997	1.029	0.0100	4130	4000	3.2	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y02826060.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 25-Oct-2021 11:22:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: CCV Test
Operator ID: JM Instrument ID: HP5973Y
Sublist: chrom-Y-LVI-8270*sub36

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 27-Oct-2021 12:31:41 Calib Date: 12-Oct-2021 15:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211012-101584.b\Y02825651.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1684

First Level Reviewer: marshallj Date: 25-Oct-2021 12:00:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.305	6.305	0.000	94	260992	4.00	4.00	
* 2 Naphthalene-d8	136	7.397	7.397	0.000	99	960300	4.00	4.00	
* 3 Acenaphthene-d10	164	8.884	8.884	0.000	94	519803	4.00	4.00	
* 4 Phenanthrene-d10	188	10.147	10.147	0.000	95	898405	4.00	4.00	
* 5 Chrysene-d12	240	12.786	12.786	0.000	99	756511	4.00	4.00	
* 6 Perylene-d12	264	14.988	14.988	0.000	97	776203	4.00	4.00	
$ 7 2-Fluorophenol	112	5.161	5.161	0.000	90	291432	4.00	3.79	
$ 8 Phenol-d5	99	5.984	5.984	0.000	0	386948	4.00	3.94	
$ 9 Nitrobenzene-d5	82	6.782	6.782	0.000	87	318706	4.00	3.30	
$ 10 2-Fluorobiphenyl	172	8.288	8.288	0.000	99	688224	4.00	4.13	
$ 11 2,4,6-Tribromophenol	330	9.548	9.548	0.000	93	114209	4.00	4.37	
$ 12 p-Terphenyl-d14	244	11.498	11.498	0.000	96	778499	4.00	4.13	
13 1,4-Dioxane	88	3.181	3.181	0.000	93	116462	4.00	3.66	
14 N-Nitrosodimethylamine	42	3.655	3.655	0.000	92	143619	4.00	3.40	
15 Pyridine	52	3.689	3.689	0.000	98	317036	8.00	6.55	
35 Benzaldehyde	77	5.930	5.930	0.000	97	470448	8.00	7.57	
37 Phenol	94	5.996	5.996	0.000	97	371103	4.00	3.55	
36 Aniline	93	6.021	6.021	0.000	99	449690	4.00	3.76	
39 Bis(2-chloroethyl)ether	93	6.058	6.058	0.000	94	300747	4.00	3.71	
40 2-Chlorophenol	128	6.132	6.132	0.000	96	343785	4.00	4.15	
41 n-Decane	57	6.140	6.140	0.000	94	305493	4.00	3.40	
43 1,3-Dichlorobenzene	146	6.259	6.259	0.000	99	368932	4.00	3.85	
44 1,4-Dichlorobenzene	146	6.322	6.322	0.000	96	380132	4.00	3.90	
45 Benzyl alcohol	108	6.418	6.418	0.000	94	196708	4.00	3.72	
46 1,2-Dichlorobenzene	146	6.455	6.455	0.000	98	355559	4.00	3.93	
48 2-Methylphenol	108	6.509	6.509	0.000	95	298816	4.00	3.89	
49 2,2'-oxybis[1-chloropropane]	45	6.521	6.521	0.000	93	443206	4.00	3.67	
47 Indene	115	6.532	6.532	0.000	88	3231613	20.0	22.4	
53 N-Nitrosodi-n-propylamine	70	6.631	6.631	0.000	89	218358	4.00	3.76	
57 4-Methylphenol	108	6.637	6.637	0.000	95	315760	4.00	3.94	
52 Acetophenone	105	6.645	6.645	0.000	91	413239	4.00	3.71	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
58 Hexachloroethane	117	6.748	6.748	0.000	97	149223	4.00	3.89	
59 Nitrobenzene	77	6.799	6.799	0.000	85	315348	4.00	3.58	
62 Isophorone	82	6.989	6.989	0.000	99	569509	4.00	3.69	
64 2-Nitrophenol	139	7.068	7.068	0.000	92	171560	4.00	3.96	
66 2,4-Dimethylphenol	107	7.082	7.082	0.000	93	297592	4.00	3.56	
69 Bis(2-chloroethoxy)methane	93	7.151	7.151	0.000	98	357101	4.00	3.82	
70 Benzoic acid	105	7.202	7.202	0.000	88	496671	20.0	21.4	M
72 2,4-Dichlorophenol	162	7.275	7.275	0.000	92	268087	4.00	4.01	
73 1,2,4-Trichlorobenzene	180	7.346	7.346	0.000	94	290086	4.00	3.90	
74 Naphthalene	128	7.417	7.417	0.000	97	941230	4.00	3.81	
76 4-Chloroaniline	127	7.448	7.448	0.000	97	387227	4.00	4.10	
77 2,6-Dichlorophenol	162	7.460	7.460	0.000	97	274777	4.00	4.13	
79 Hexachlorobutadiene	225	7.508	7.508	0.000	97	174365	4.00	3.90	
84 Caprolactam	113	7.744	7.744	0.000	79	182351	8.00	7.98	
85 4-Chloro-3-methylphenol	107	7.846	7.846	0.000	93	234531	4.00	3.56	
87 2-Methylnaphthalene	142	7.999	7.999	0.000	92	649791	4.00	3.91	
89 1-Methylnaphthalene	142	8.084	8.084	0.000	93	608961	4.00	3.96	
90 Hexachlorocyclopentadiene	237	8.127	8.127	0.000	93	27836	4.00	1.99	
91 1,2,4,5-Tetrachlorobenzene	216	8.141	8.141	0.000	96	307226	4.00	4.07	
93 2,4,6-Trichlorophenol	196	8.232	8.232	0.000	92	185436	4.00	4.16	
94 2,4,5-Trichlorophenol	196	8.271	8.271	0.000	95	199178	4.00	4.35	
96 1,1'-Biphenyl	154	8.379	8.379	0.000	97	750750	4.00	4.11	
97 2-Chloronaphthalene	162	8.413	8.413	0.000	96	597762	4.00	4.13	
100 2-Nitroaniline	65	8.487	8.487	0.000	89	146347	4.00	3.55	
105 Dimethyl phthalate	163	8.612	8.612	0.000	99	659591	4.00	4.26	
106 1,3-Dinitrobenzene	168	8.663	8.663	0.000	86	102881	4.00	3.98	
107 2,6-Dinitrotoluene	165	8.677	8.677	0.000	94	151026	4.00	4.25	
108 Acenaphthylene	152	8.771	8.771	0.000	98	930106	4.00	4.12	
109 3-Nitroaniline	138	8.830	8.830	0.000	96	162991	4.00	4.09	
110 Acenaphthene	153	8.913	8.913	0.000	97	629042	4.00	4.20	
111 2,4-Dinitrophenol	184	8.927	8.927	0.000	81	89490	8.00	6.85	a
112 4-Nitrophenol	109	8.964	8.964	0.000	88	125091	8.00	6.96	
114 2,4-Dinitrotoluene	165	9.023	9.023	0.000	95	186383	4.00	4.03	
115 Dibenzofuran	168	9.057	9.057	0.000	97	845254	4.00	4.11	
118 2,3,4,6-Tetrachlorophenol	232	9.157	9.157	0.000	71	136268	4.00	4.07	
121 Hexadecane	57	9.188	9.188	0.000	95	354187	4.00	3.52	
120 Diethyl phthalate	149	9.194	9.194	0.000	98	675841	4.00	4.27	
123 4-Chlorophenyl phenyl ether	204	9.316	9.316	0.000	90	331262	4.00	4.13	
124 Fluorene	166	9.347	9.347	0.000	96	699741	4.00	4.35	
126 4-Nitroaniline	138	9.350	9.350	0.000	90	175559	4.00	4.28	
127 4,6-Dinitro-2-methylphenol	198	9.378	9.378	0.000	90	166501	8.00	7.86	
130 N-Nitrosodiphenylamine	169	9.415	9.415	0.000	81	484290	4.00	4.08	
129 Diphenylamine	169	9.415	9.415	0.000	94	484290	3.42	3.49	
132 Azobenzene	77	9.457	9.457	0.000	98	642887	4.00	3.74	
131 1,2-Diphenylhydrazine	77	9.457	9.457	0.000	41	642887	4.00	3.74	
139 4-Bromophenyl phenyl ether	248	9.733	9.733	0.000	65	199258	4.00	4.01	
140 Hexachlorobenzene	284	9.824	9.824	0.000	94	239568	4.00	4.08	
143 Atrazine	200	9.841	9.841	0.000	92	368894	8.00	8.85	
148 n-Octadecane	57	9.957	9.957	0.000	94	346221	4.00	3.30	
145 Pentachlorophenol	266	9.980	9.980	0.000	94	149908	8.00	7.52	
151 Phenanthrene	178	10.167	10.167	0.000	96	947229	4.00	3.96	
152 Anthracene	178	10.212	10.212	0.000	98	941826	4.00	4.06	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
153 Carbazole	167	10.331	10.331	0.000	96	805165	4.00	3.84	
157 Di-n-butyl phthalate	149	10.556	10.556	0.000	100	1089693	4.00	4.01	
164 Fluoranthene	202	11.194	11.194	0.000	99	950259	4.00	3.90	
166 Benzidine	184	11.268	11.268	0.000	99	1005639	8.00	8.09	
167 Pyrene	202	11.413	11.413	0.000	95	989759	4.00	4.22	
174 Butyl benzyl phthalate	149	11.966	11.966	0.000	96	440065	4.00	3.92	
181 Bis(2-ethylhexyl) phthalate	149	12.636	12.636	0.000	95	625326	4.00	3.90	
179 3,3'-Dichlorobenzidine	252	12.672	12.672	0.000	76	788713	8.00	8.11	
180 Benzo[a]anthracene	228	12.772	12.772	0.000	99	968474	4.00	4.23	
182 Chrysene	228	12.823	12.823	0.000	97	890241	4.00	4.01	
184 Di-n-octyl phthalate	149	13.549	13.549	0.000	99	1013795	4.00	3.69	
186 Benzo[b]fluoranthene	252	14.372	14.372	0.000	98	958066	4.00	4.23	
187 Benzo[k]fluoranthene	252	14.415	14.415	0.000	98	960935	4.00	4.14	
189 Benzo[a]pyrene	252	14.909	14.909	0.000	79	943317	4.00	4.23	
194 Dibenz(a,h)anthracene	278	16.781	16.781	0.000	95	926453	4.00	4.08	
193 Indeno[1,2,3-cd]pyrene	276	16.824	16.824	0.000	96	1059151	4.00	3.95	M
195 Benzo[g,h,i]perylene	276	17.363	17.363	0.000	91	895498	4.00	4.04	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MB_L1LVI_WRK_00512	Amount Added: 1.00	Units: mL	
MB_LLIS_WRK_00224	Amount Added: 20.00	Units: uL	Run Reagent

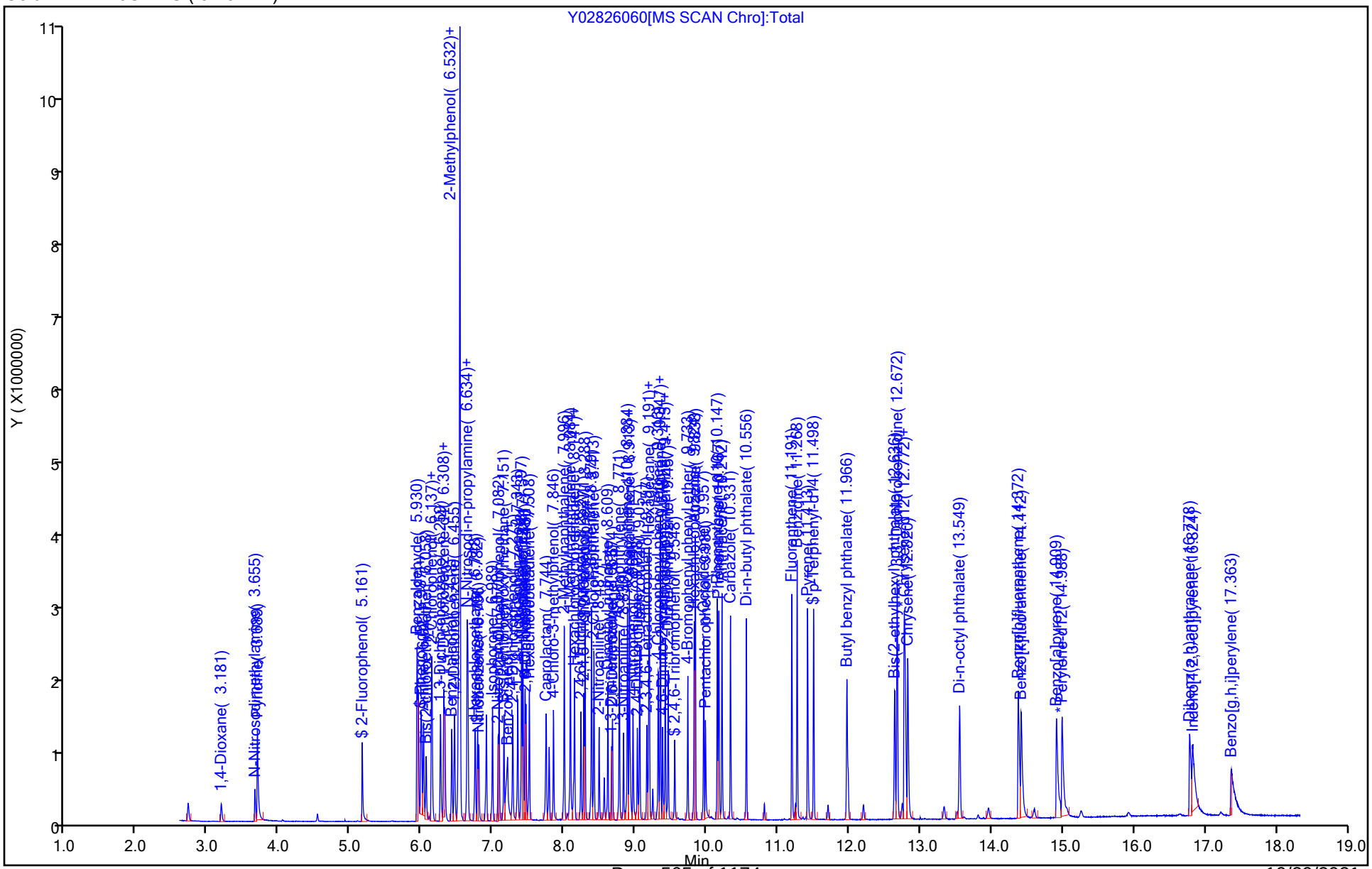
Report Date: 27-Oct-2021 12:31:42 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y02826060.D

Injection Date:	25-Oct-2021 11:22:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

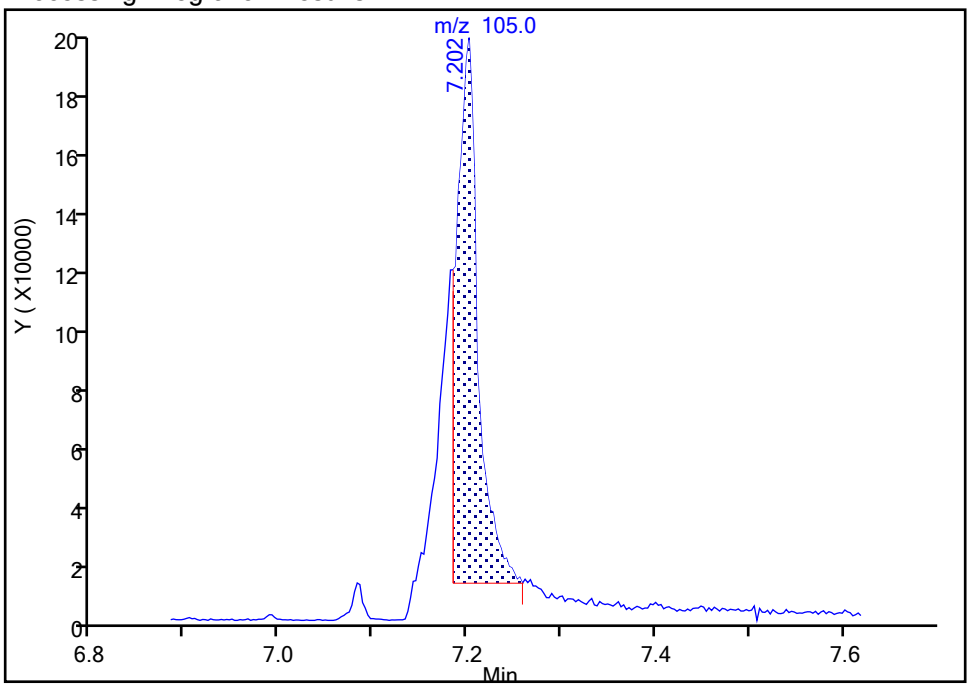
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y02826060.D
Injection Date: 25-Oct-2021 11:22:30 Instrument ID: HP5973Y
Lims ID: CCVIS
Client ID:
Operator ID: JM ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

70 Benzoic acid, CAS: 65-85-0

Signal: 1

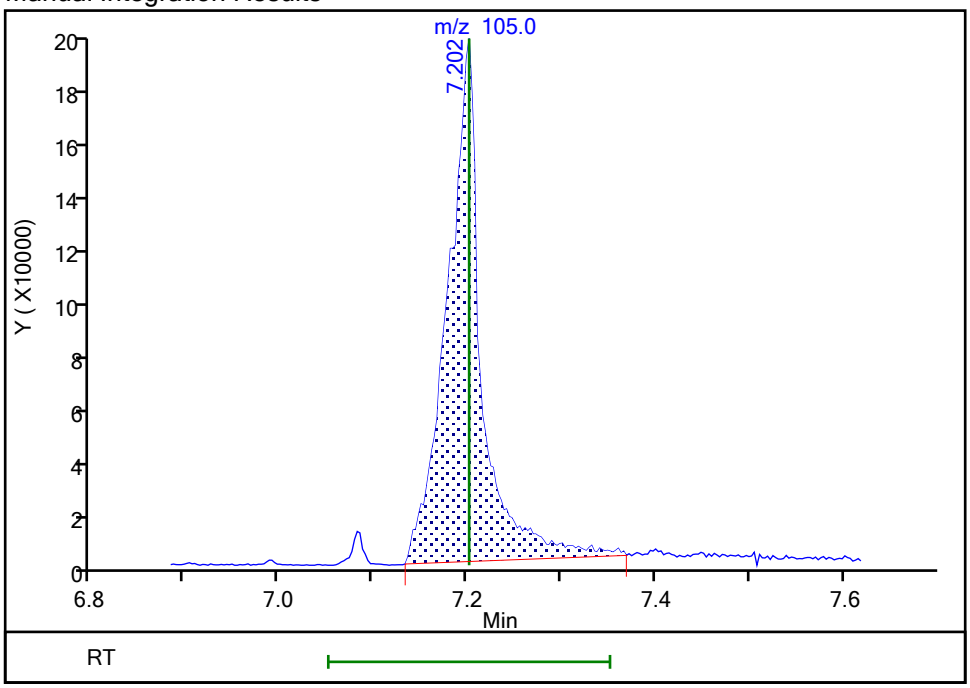
Processing Integration Results

RT: 7.20
Area: 285688
Amount: 16.369759
Amount Units: ng/uL



Manual Integration Results

RT: 7.20
Area: 496671
Amount: 21.367177
Amount Units: ng/uL



Reviewer: marshallj, 26-Oct-2021 17:15:59
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

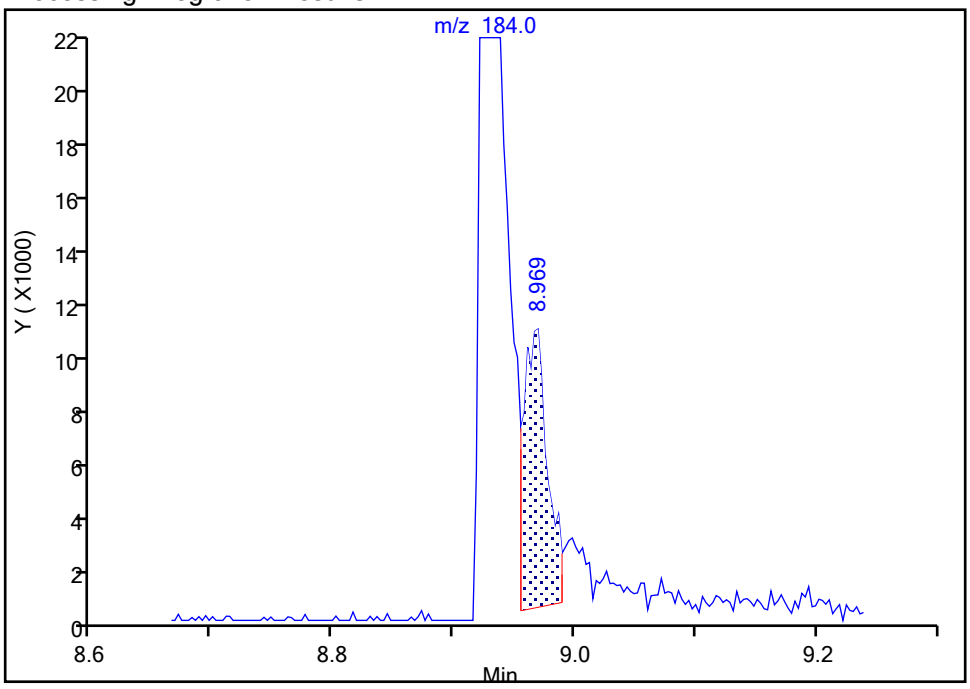
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y02826060.D
Injection Date: 25-Oct-2021 11:22:30 Instrument ID: HP5973Y
Lims ID: CCVIS
Client ID:
Operator ID: JM ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

111 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

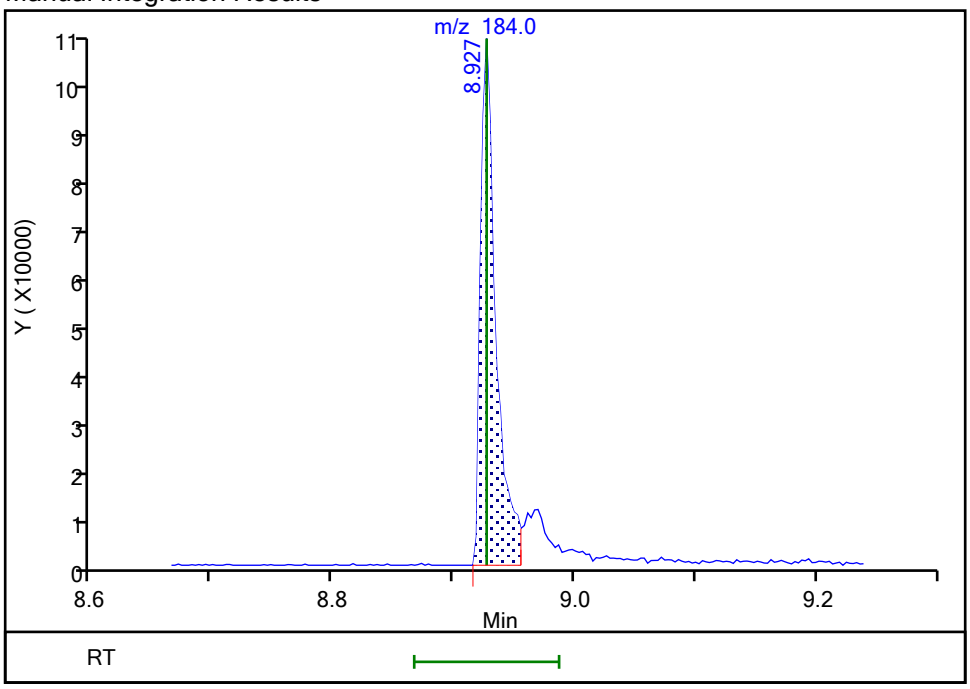
Processing Integration Results

RT: 8.97
Area: 14131
Amount: 2.935937
Amount Units: ng/uL



Manual Integration Results

RT: 8.93
Area: 89490
Amount: 6.848826
Amount Units: ng/uL



Reviewer: marshallj, 25-Oct-2021 11:59:47
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

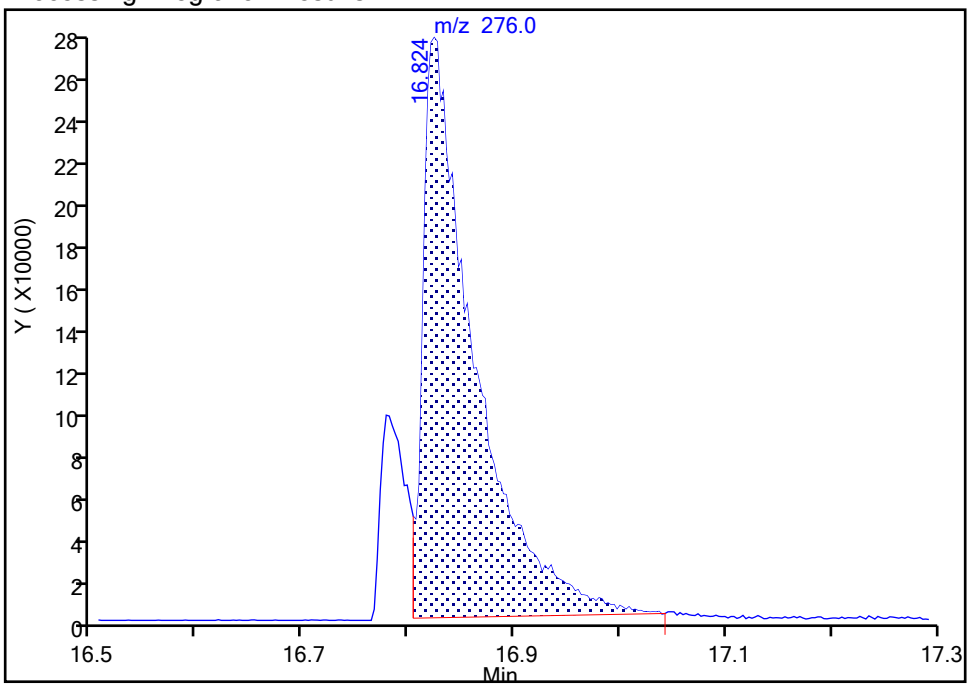
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y02826060.D
Injection Date: 25-Oct-2021 11:22:30 Instrument ID: HP5973Y
Lims ID: CCVIS
Client ID:
Operator ID: JM ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

193 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

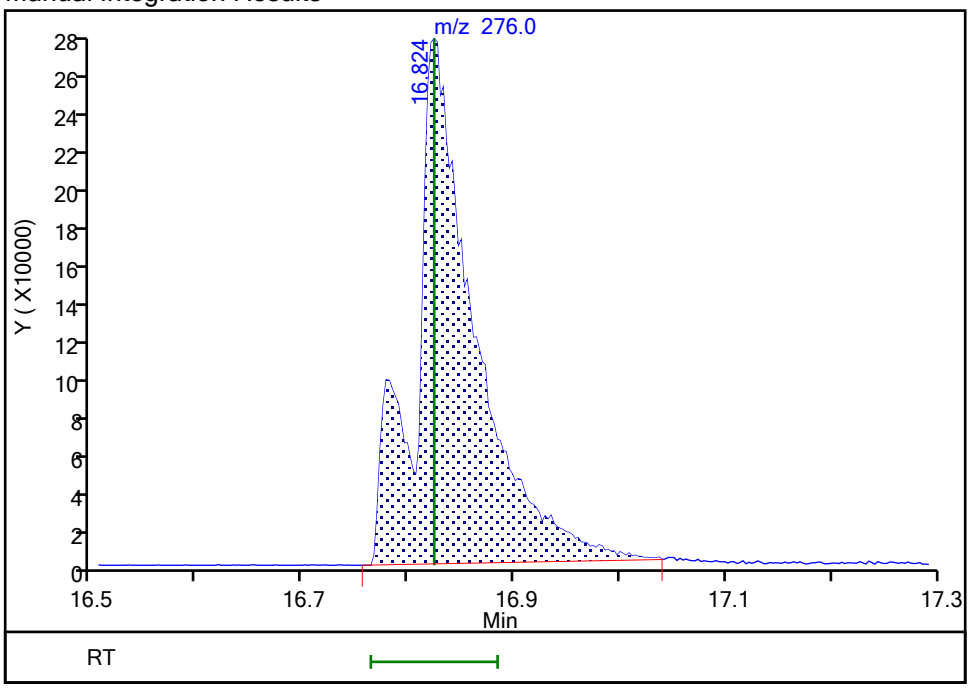
Processing Integration Results

RT: 16.82
Area: 904426
Amount: 3.379082
Amount Units: ng/uL



Manual Integration Results

RT: 16.82
Area: 1059151
Amount: 3.949601
Amount Units: ng/uL



Reviewer: marshallj, 25-Oct-2021 11:59:58
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

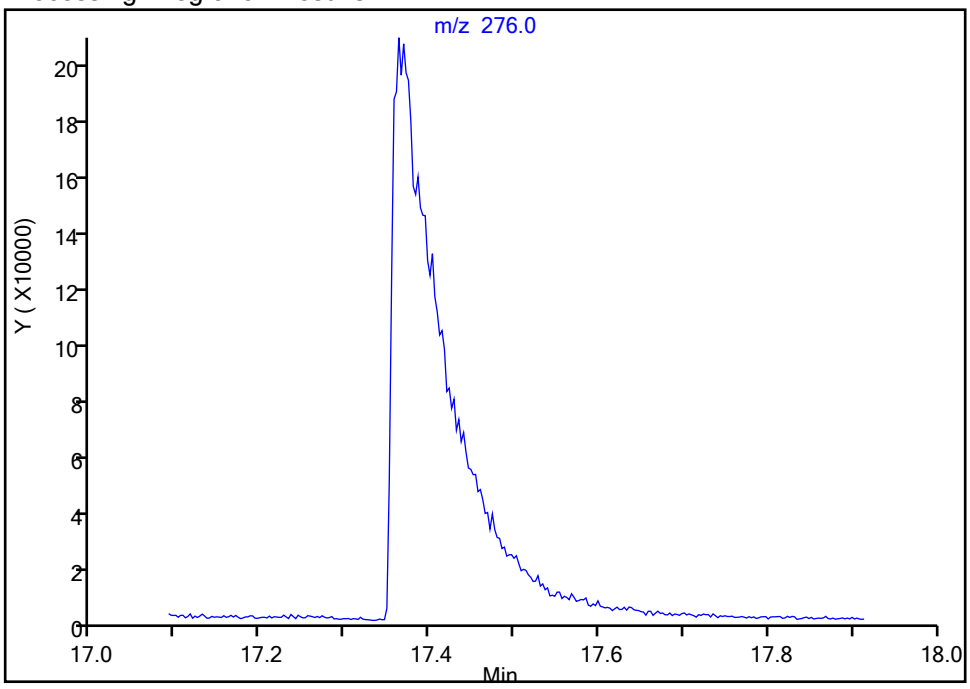
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y02826060.D
Injection Date: 25-Oct-2021 11:22:30 Instrument ID: HP5973Y
Lims ID: CCVIS
Client ID:
Operator ID: JM ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

195 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

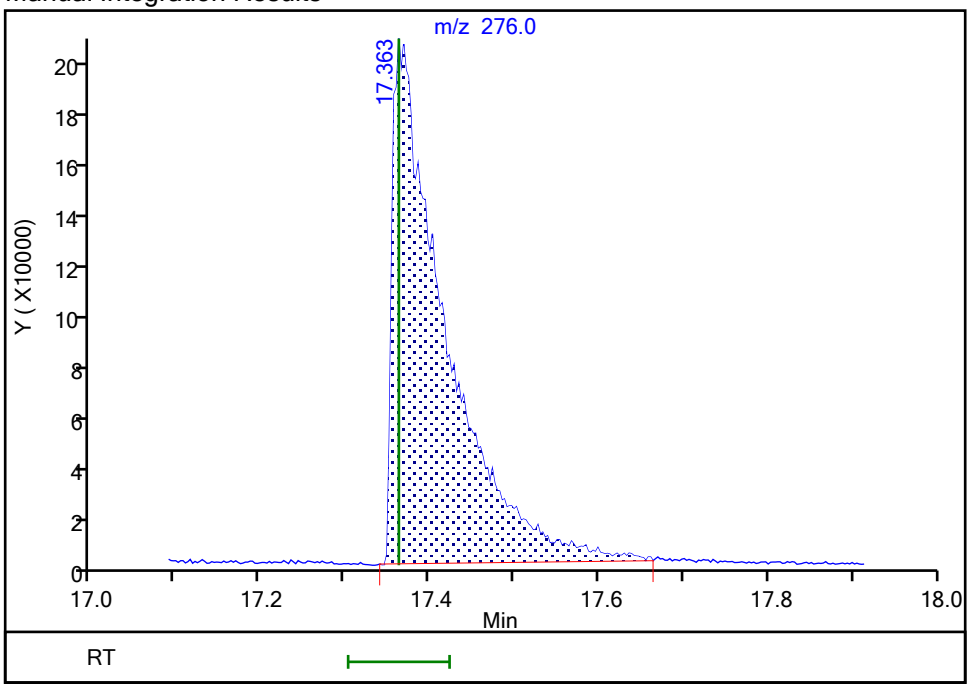
Not Detected
Expected RT: 17.36

Processing Integration Results



Manual Integration Results

RT: 17.36
Area: 895498
Amount: 4.043612
Amount Units: ng/uL



Reviewer: marshallj, 25-Oct-2021 12:00:05
Audit Action: Manually Integrated Audit Reason: Assign Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: CCVIS 480-602004/3 Calibration Date: 10/26/2021 16:50

Instrument ID: HP5973Y Calib Start Date: 10/07/2021 11:59

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 10/07/2021 15:08

Lab File ID: Y02826118.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Lin2		0.4336	0.0100	3550	4000	-11.2	20.0
N-Nitrosodimethylamine	Ave	0.6473	0.5095	0.0100	3150	4000	-21.3	50.0
Pyridine	Ave	0.7416	0.5732	0.0100	6180	8000	-22.7	50.0
Benzaldehyde	Lin2		0.8308	0.0100	6970	8000	-12.9	50.0
Phenol	Ave	1.600	1.417	0.8000	3540	4000	-11.4	20.0
Aniline	Ave	1.831	1.669	0.0100	3650	4000	-8.8	20.0
Bis(2-chloroethyl)ether	Ave	1.243	1.166	0.7000	3750	4000	-6.2	20.0
2-Chlorophenol	Ave	1.269	1.268	0.8000	4000	4000	-0.0	20.0
n-Decane	Ave	1.376	1.133	0.0100	3290	4000	-17.7	20.0
1,3-Dichlorobenzene	Ave	1.469	1.422	0.0100	3870	4000	-3.1	20.0
1,4-Dichlorobenzene	Ave	1.494	1.468	0.0100	3930	4000	-1.7	20.0
Benzyl alcohol	Ave	0.8096	0.7122	0.0100	3520	4000	-12.0	20.0
1,2-Dichlorobenzene	Ave	1.387	1.365	0.0100	3930	4000	-1.6	20.0
2-Methylphenol	Ave	1.178	1.104	0.7000	3750	4000	-6.3	20.0
bis (2-chloroisopropyl) ether	Ave	1.851	1.618	0.0100	3500	4000	-12.6	20.0
Indene	Lin2		2.465	0.0100	22200	20000	11.2	20.0
N-Nitrosodi-n-propylamine	Ave	0.8894	0.7698	0.5000	3460	4000	-13.4	20.0
4-Methylphenol	Ave	1.228	1.165	0.6000	3800	4000	-5.1	20.0
Acetophenone	Ave	1.708	1.592	0.0100	3730	4000	-6.8	20.0
Hexachloroethane	Ave	0.5880	0.5715	0.3000	3890	4000	-2.8	20.0
Nitrobenzene	Ave	0.3668	0.3311	0.2000	3610	4000	-9.7	20.0
Isophorone	Ave	0.6429	0.6000	0.4000	3730	4000	-6.7	20.0
2-Nitrophenol	Lin2		0.1853	0.1000	4110	4000	2.7	20.0
2,4-Dimethylphenol	Ave	0.3480	0.3230	0.2000	3710	4000	-7.2	20.0
Bis(2-chloroethoxy)methane	Ave	0.3896	0.3749	0.3000	3850	4000	-3.8	20.0
Benzoic acid	Lin1		0.1269	0.0100	24000	20000	20.2	50.0
2,4-Dichlorophenol	Ave	0.2788	0.2932	0.2000	4210	4000	5.2	20.0
1,2,4-Trichlorobenzene	Ave	0.3097	0.3215	0.0100	4150	4000	3.8	20.0
Naphthalene	Ave	1.029	1.028	0.7000	4000	4000	-0.0	20.0
4-Chloroaniline	Ave	0.3931	0.4058	0.0100	4130	4000	3.2	20.0
2,6-Dichlorophenol	Ave	0.2770	0.2964	0.0100	4280	4000	7.0	20.0
Hexachlorobutadiene	Ave	0.1863	0.1913	0.0100	4110	4000	2.7	20.0
Caprolactam	Lin2		0.0935	0.0100	7850	8000	-1.8	50.0
4-Chloro-3-methylphenol	Ave	0.2745	0.2507	0.2000	3650	4000	-8.7	20.0
2-Methylnaphthalene	Ave	0.6919	0.7084	0.4000	4100	4000	2.4	20.0
1-Methylnaphthalene	Ave	0.6413	0.6526	0.0100	4070	4000	1.8	20.0
Hexachlorocyclopentadiene	Lin1		0.0731	0.0500	2360	4000	-41.0*	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5807	0.5924	0.0100	4080	4000	2.0	20.0
2,4,6-Trichlorophenol	Lin2		0.3510	0.2000	4100	4000	2.4	20.0
2,4,5-Trichlorophenol	Lin2		0.3602	0.2000	4100	4000	2.4	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: CCVIS 480-602004/3 Calibration Date: 10/26/2021 16:50

Instrument ID: HP5973Y Calib Start Date: 10/07/2021 11:59

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 10/07/2021 15:08

Lab File ID: Y02826118.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Biphenyl	Ave	1.404	1.418	0.0100	4040	4000	1.0	20.0
2-Chloronaphthalene	Ave	1.113	1.117	0.8000	4010	4000	0.3	20.0
2-Nitroaniline	Lin2		0.2579	0.0100	3250	4000	-18.7	20.0
Dimethyl phthalate	Ave	1.193	1.205	0.0100	4040	4000	1.0	20.0
1,3-Dinitrobenzene	Lin2		0.1067	0.0100	3960	4000	-0.9	20.0
2,6-Dinitrotoluene	Lin2		0.2832	0.2000	4150	4000	3.7	20.0
Acenaphthylene	Ave	1.736	1.761	0.9000	4060	4000	1.4	20.0
3-Nitroaniline	Lin2		0.2979	0.0100	3890	4000	-2.8	20.0
Acenaphthene	Ave	1.153	1.205	0.9000	4180	4000	4.5	20.0
2,4-Dinitrophenol	Lin1		0.0974	0.0100	7460	8000	-6.7	20.0
4-Nitrophenol	Lin2		0.1186	0.0100	6860	8000	-14.2	20.0
2,4-Dinitrotoluene	Lin2		0.3490	0.2000	3920	4000	-1.9	20.0
Dibenzofuran	Ave	1.583	1.577	0.8000	3980	4000	-0.4	20.0
2,3,4,6-Tetrachlorophenol	Lin2		0.2736	0.0100	4220	4000	5.6	20.0
Hexadecane	Ave	0.7748	0.6617	0.0100	3420	4000	-14.6	20.0
Diethyl phthalate	Ave	1.217	1.249	0.0100	4110	4000	2.7	20.0
4-Chlorophenyl phenyl ether	Ave	0.6173	0.5988	0.4000	3880	4000	-3.0	20.0
4-Nitroaniline	Lin2		0.3209	0.0100	4070	4000	1.8	20.0
Fluorene	Ave	1.237	1.279	0.9000	4140	4000	3.4	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.1045	0.0100	8700	8000	8.8	20.0
Diphenylamine	Ave	0.6178	0.6084	0.0100	3370	3420	-1.5	20.0
N-Nitrosodiphenylamine	Ave	0.5282	0.5202	0.0100	3940	4000	-1.5	20.0
1,2-Diphenylhydrazine	Ave	0.7660	0.7136	0.0100	3730	4000	-6.8	20.0
trans-Azobenzene	Ave	0.7656	0.7136	0.0100	3730	4000	-6.8	20.0
4-Bromophenyl phenyl ether	Ave	0.2214	0.2260	0.1000	4080	4000	2.1	20.0
Hexachlorobenzene	Lin2		0.2774	0.1000	4240	4000	6.1	20.0
Atrazine	Ave	0.3209	0.3437	0.0100	8570	8000	7.1	20.0
n-Octadecane	Ave	0.4665	0.3775	0.0100	3240	4000	-19.1	20.0
Pentachlorophenol	Lin1		0.1046	0.0500	8920	8000	11.5	20.0
Phenanthrene	Ave	1.065	1.056	0.7000	3970	4000	-0.8	20.0
Anthracene	Ave	1.032	1.040	0.7000	4030	4000	0.8	20.0
Carbazole	Ave	0.9341	0.9117	0.0100	3900	4000	-2.4	20.0
Di-n-butyl phthalate	Ave	1.209	1.207	0.0100	3990	4000	-0.2	20.0
Fluoranthene	Ave	1.085	1.111	0.6000	4090	4000	2.4	20.0
Benzidine	Ave	0.6569	0.6539	0.0100	7960	8000	-0.5	50.0
Pyrene	Ave	1.240	1.312	0.6000	4230	4000	5.8	20.0
Butyl benzyl phthalate	Lin2		0.5588	0.0100	3770	4000	-5.7	20.0
Bis(2-ethylhexyl) phthalate	Lin2		0.8035	0.0100	3790	4000	-5.2	20.0
3,3'-Dichlorobenzidine	Lin2		0.5204	0.0100	8090	8000	1.2	50.0
Benzo[a]anthracene	Ave	1.210	1.266	0.8000	4180	4000	4.6	20.0
Chrysene	Ave	1.174	1.141	0.7000	3890	4000	-2.8	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: CCVIS 480-602004/3 Calibration Date: 10/26/2021 16:50

Instrument ID: HP5973Y Calib Start Date: 10/07/2021 11:59

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 10/07/2021 15:08

Lab File ID: Y02826118.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Di-n-octyl phthalate	Lin2		1.340	0.0100	3690	4000	-7.9	20.0
Benzo[b]fluoranthene	Lin2		1.216	0.7000	4170	4000	4.2	20.0
Benzo[k]fluoranthene	Lin2		1.208	0.7000	4040	4000	1.0	20.0
Benzo[a]pyrene	Lin2		1.176	0.7000	4100	4000	2.4	20.0
Dibenz(a,h)anthracene	Lin2		1.181	0.4000	4040	4000	0.9	20.0
Indeno[1,2,3-cd]pyrene	Lin2		1.354	0.5000	3920	4000	-2.0	20.0
Benzo[g,h,i]perylene	Lin2		1.148	0.5000	4020	4000	0.6	20.0
2-Fluorophenol (Surr)	Lin2		1.065	0.0100	3610	4000	-9.7	20.0
Phenol-d5 (Surr)	Ave	1.507	1.408	0.0100	3740	4000	-6.6	20.0
Nitrobenzene-d5 (Surr)	Lin2		0.3340	0.0100	3320	4000	-17.0	20.0
2-Fluorobiphenyl (Surr)	Ave	1.282	1.334	0.0100	4160	4000	4.0	20.0
2,4,6-Tribromophenol (Surr)	Lin2		0.1265	0.0100	4340	4000	8.6	20.0
p-Terphenyl-d14 (Surr)	Ave	0.997	1.025	0.0100	4110	4000	2.8	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211026-101924.b\Y02826118.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 26-Oct-2021 16:50:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 480-0101924-003
Operator ID: JM Instrument ID: HP5973Y
Sublist: chrom-Y-LVI-8270*sub36

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211026-101924.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 27-Oct-2021 14:45:23 Calib Date: 12-Oct-2021 15:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211012-101584.b\Y02825651.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1684

First Level Reviewer: schickr Date: 26-Oct-2021 17:52:08

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.308	6.308	0.000	94	262000	4.00	4.00	
* 2 Naphthalene-d8	136	7.397	7.397	0.000	99	918462	4.00	4.00	
* 3 Acenaphthene-d10	164	8.884	8.884	0.000	92	530828	4.00	4.00	
* 4 Phenanthrene-d10	188	10.147	10.147	0.000	95	897542	4.00	4.00	
* 5 Chrysene-d12	240	12.783	12.783	0.000	98	783606	4.00	4.00	
* 6 Perylene-d12	264	14.991	14.991	0.000	97	804199	4.00	4.00	
$ 7 2-Fluorophenol	112	5.161	5.161	0.000	91	279018	4.00	3.61	
$ 8 Phenol-d5	99	5.987	5.987	0.000	0	368767	4.00	3.74	
$ 9 Nitrobenzene-d5	82	6.779	6.779	0.000	86	306726	4.00	3.32	
$ 10 2-Fluorobiphenyl	172	8.288	8.288	0.000	99	707880	4.00	4.16	
$ 11 2,4,6-Tribromophenol	330	9.548	9.548	0.000	72	113506	4.00	4.34	
$ 12 p-Terphenyl-d14	244	11.498	11.498	0.000	97	803173	4.00	4.11	
13 1,4-Dioxane	88	3.181	3.181	0.000	92	113609	4.00	3.55	
14 N-Nitrosodimethylamine	42	3.657	3.657	0.000	92	133501	4.00	3.15	
15 Pyridine	52	3.691	3.691	0.000	97	300338	8.00	6.18	
35 Benzaldehyde	77	5.933	5.933	0.000	96	435319	8.00	6.97	
37 Phenol	94	5.996	5.996	0.000	98	371205	4.00	3.54	
36 Aniline	93	6.024	6.024	0.000	99	437270	4.00	3.65	
39 Bis(2-chloroethyl)ether	93	6.058	6.058	0.000	94	305492	4.00	3.75	
40 2-Chlorophenol	128	6.135	6.135	0.000	95	332280	4.00	4.00	
41 n-Decane	57	6.140	6.140	0.000	93	296955	4.00	3.29	
43 1,3-Dichlorobenzene	146	6.262	6.262	0.000	99	372661	4.00	3.87	
44 1,4-Dichlorobenzene	146	6.322	6.322	0.000	96	384699	4.00	3.93	
45 Benzyl alcohol	108	6.418	6.418	0.000	94	186605	4.00	3.52	
46 1,2-Dichlorobenzene	146	6.458	6.458	0.000	98	357500	4.00	3.93	
48 2-Methylphenol	108	6.509	6.509	0.000	96	289359	4.00	3.75	
49 2,2'-oxybis[1-chloropropane]	45	6.518	6.518	0.000	94	423860	4.00	3.50	
47 Indene	115	6.532	6.532	0.000	88	3228610	20.0	22.2	
53 N-Nitrosodi-n-propylamine	70	6.631	6.631	0.000	89	201689	4.00	3.46	
57 4-Methylphenol	108	6.637	6.637	0.000	95	305284	4.00	3.80	
52 Acetophenone	105	6.645	6.645	0.000	96	417035	4.00	3.73	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
58 Hexachloroethane	117	6.745	6.745	0.000	95	149736	4.00	3.89	
59 Nitrobenzene	77	6.796	6.796	0.000	85	304111	4.00	3.61	
62 Isophorone	82	6.989	6.989	0.000	99	551122	4.00	3.73	
64 2-Nitrophenol	139	7.068	7.068	0.000	92	170184	4.00	4.11	
66 2,4-Dimethylphenol	107	7.082	7.082	0.000	94	296634	4.00	3.71	
69 Bis(2-chloroethoxy)methane	93	7.150	7.150	0.000	99	344303	4.00	3.85	
70 Benzoic acid	105	7.199	7.199	0.000	87	582923	20.0	24.0	
72 2,4-Dichlorophenol	162	7.275	7.275	0.000	91	269300	4.00	4.21	
73 1,2,4-Trichlorobenzene	180	7.343	7.343	0.000	94	295262	4.00	4.15	
74 Naphthalene	128	7.417	7.417	0.000	97	944256	4.00	4.00	
76 4-Chloroaniline	127	7.446	7.446	0.000	97	372689	4.00	4.13	
77 2,6-Dichlorophenol	162	7.460	7.460	0.000	97	272239	4.00	4.28	
79 Hexachlorobutadiene	225	7.505	7.505	0.000	97	175674	4.00	4.11	
84 Caprolactam	113	7.743	7.743	0.000	80	171664	8.00	7.85	
85 4-Chloro-3-methylphenol	107	7.846	7.846	0.000	95	230242	4.00	3.65	
87 2-Methylnaphthalene	142	7.996	7.996	0.000	94	650651	4.00	4.10	
89 1-Methylnaphthalene	142	8.084	8.084	0.000	92	599349	4.00	4.07	
90 Hexachlorocyclopentadiene	237	8.127	8.127	0.000	94	38802	4.00	2.36	
91 1,2,4,5-Tetrachlorobenzene	216	8.141	8.141	0.000	96	314459	4.00	4.08	
93 2,4,6-Trichlorophenol	196	8.232	8.232	0.000	92	186300	4.00	4.10	
94 2,4,5-Trichlorophenol	196	8.271	8.271	0.000	96	191184	4.00	4.10	
96 1,1'-Biphenyl	154	8.379	8.379	0.000	97	752536	4.00	4.04	
97 2-Chloronaphthalene	162	8.413	8.413	0.000	96	592760	4.00	4.01	
100 2-Nitroaniline	65	8.487	8.487	0.000	90	136877	4.00	3.25	
105 Dimethyl phthalate	163	8.609	8.609	0.000	99	639614	4.00	4.04	
106 1,3-Dinitrobenzene	168	8.663	8.663	0.000	86	97966	4.00	3.96	
107 2,6-Dinitrotoluene	165	8.674	8.674	0.000	94	150357	4.00	4.15	
108 Acenaphthylene	152	8.771	8.771	0.000	98	934608	4.00	4.06	
109 3-Nitroaniline	138	8.830	8.830	0.000	96	158126	4.00	3.89	
110 Acenaphthene	153	8.910	8.910	0.000	96	639581	4.00	4.18	
111 2,4-Dinitrophenol	184	8.924	8.924	0.000	83	103432	8.00	7.46	a
112 4-Nitrophenol	109	8.964	8.964	0.000	89	125901	8.00	6.86	
114 2,4-Dinitrotoluene	165	9.023	9.023	0.000	95	185249	4.00	3.92	
115 Dibenzofuran	168	9.054	9.054	0.000	97	837280	4.00	3.98	
118 2,3,4,6-Tetrachlorophenol	232	9.157	9.157	0.000	71	145232	4.00	4.22	
121 Hexadecane	57	9.185	9.185	0.000	94	351251	4.00	3.42	
120 Diethyl phthalate	149	9.191	9.191	0.000	98	663176	4.00	4.11	
123 4-Chlorophenyl phenyl ether	204	9.316	9.316	0.000	90	317853	4.00	3.88	
124 Fluorene	166	9.347	9.347	0.000	92	679017	4.00	4.14	
126 4-Nitroaniline	138	9.347	9.347	0.000	90	170369	4.00	4.07	
127 4,6-Dinitro-2-methylphenol	198	9.378	9.378	0.000	91	187505	8.00	8.70	
130 N-Nitrosodiphenylamine	169	9.415	9.415	0.000	64	466869	4.00	3.94	
129 Diphenylamine	169	9.415	9.415	0.000	93	466869	3.42	3.37	
132 Azobenzene	77	9.455	9.455	0.000	98	640486	4.00	3.73	
131 1,2-Diphenylhydrazine	77	9.455	9.455	0.000	41	640486	4.00	3.73	
139 4-Bromophenyl phenyl ether	248	9.730	9.730	0.000	64	202888	4.00	4.08	
140 Hexachlorobenzene	284	9.821	9.821	0.000	96	249018	4.00	4.24	
143 Atrazine	200	9.838	9.838	0.000	93	364865	8.00	8.57	
148 n-Octadecane	57	9.954	9.954	0.000	94	338862	4.00	3.24	
145 Pentachlorophenol	266	9.980	9.980	0.000	95	187719	8.00	8.92	
151 Phenanthrene	178	10.167	10.167	0.000	98	947801	4.00	3.97	
152 Anthracene	178	10.209	10.209	0.000	97	933195	4.00	4.03	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
153 Carbazole	167	10.329	10.329	0.000	96	818327	4.00	3.90	
157 Di-n-butyl phthalate	149	10.553	10.553	0.000	100	1083228	4.00	3.99	
164 Fluoranthene	202	11.191	11.191	0.000	99	997079	4.00	4.09	
166 Benzidine	184	11.265	11.265	0.000	99	1024819	8.00	7.96	
167 Pyrene	202	11.412	11.412	0.000	96	1028012	4.00	4.23	
174 Butyl benzyl phthalate	149	11.966	11.966	0.000	97	437874	4.00	3.77	
181 Bis(2-ethylhexyl) phthalate	149	12.636	12.636	0.000	95	629640	4.00	3.79	
179 3,3'-Dichlorobenzidine	252	12.672	12.672	0.000	73	815554	8.00	8.09	
180 Benzo[a]anthracene	228	12.772	12.772	0.000	98	992231	4.00	4.18	
182 Chrysene	228	12.823	12.823	0.000	96	894024	4.00	3.89	
184 Di-n-octyl phthalate	149	13.546	13.546	0.000	99	1050051	4.00	3.69	
186 Benzo[b]fluoranthene	252	14.378	14.378	0.000	98	978202	4.00	4.17	
187 Benzo[k]fluoranthene	252	14.418	14.418	0.000	98	971835	4.00	4.04	
189 Benzo[a]pyrene	252	14.914	14.914	0.000	79	945763	4.00	4.10	
194 Dibenz(a,h)anthracene	278	16.787	16.787	0.000	94	949363	4.00	4.04	
193 Indeno[1,2,3-cd]pyrene	276	16.827	16.827	0.000	96	1088778	4.00	3.92	M
195 Benzo[g,h,i]perylene	276	17.377	17.377	0.000	96	923077	4.00	4.02	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MB_L1LVI_WRK_00512	Amount Added: 1.00	Units: mL	
MB_LLIS_WRK_00224	Amount Added: 20.00	Units: uL	Run Reagent

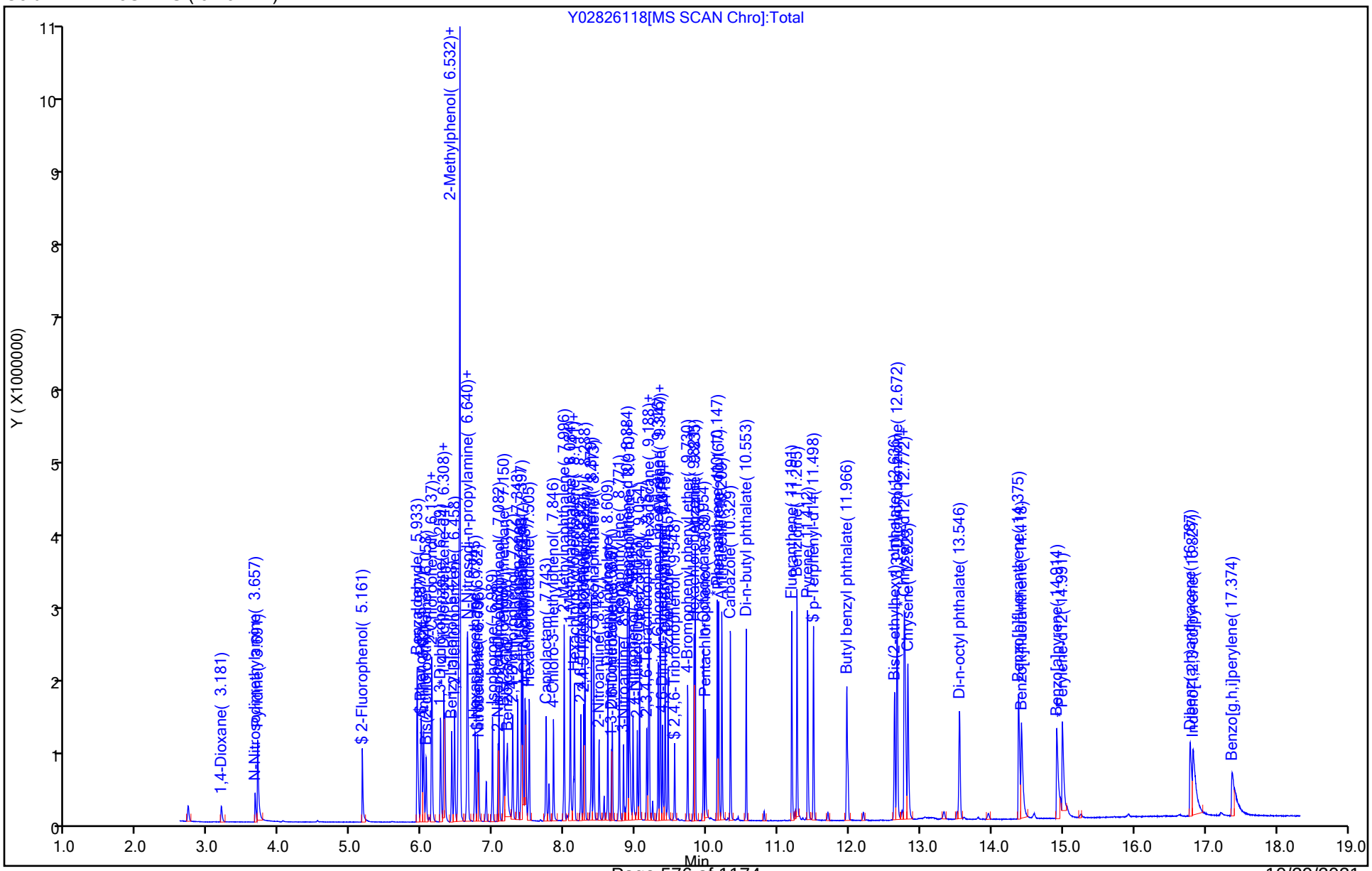
Report Date: 27-Oct-2021 14:45:24 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211026-101924.b\Y02826118.D

Injection Date:	26-Oct-2021 16:50:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

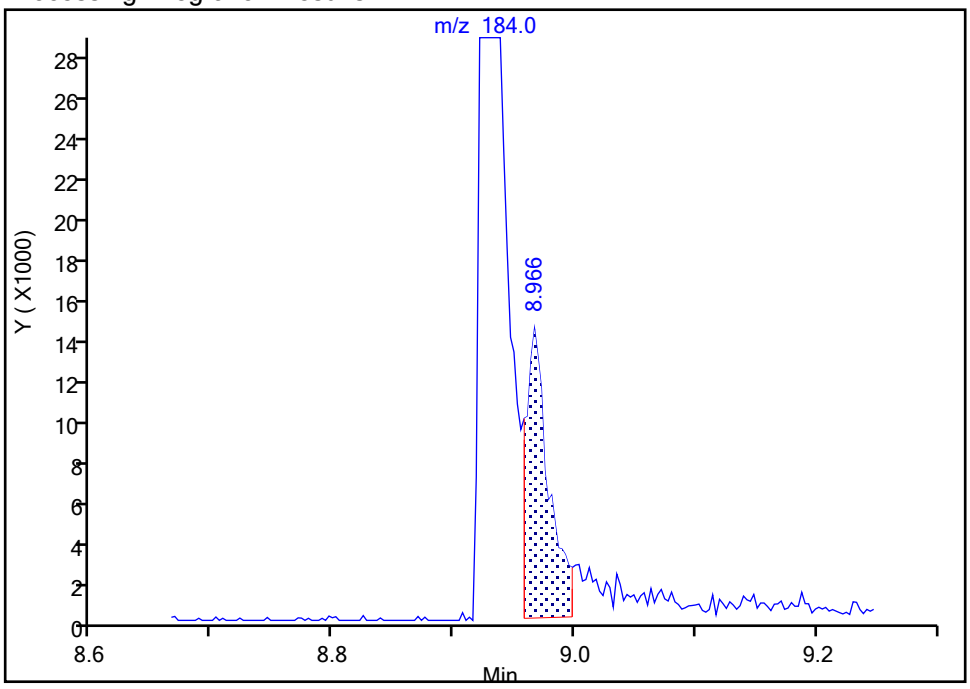
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211026-101924.b\Y02826118.D
Injection Date: 26-Oct-2021 16:50:30 Instrument ID: HP5973Y
Lims ID: CCVIS
Client ID:
Operator ID: JM ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

111 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

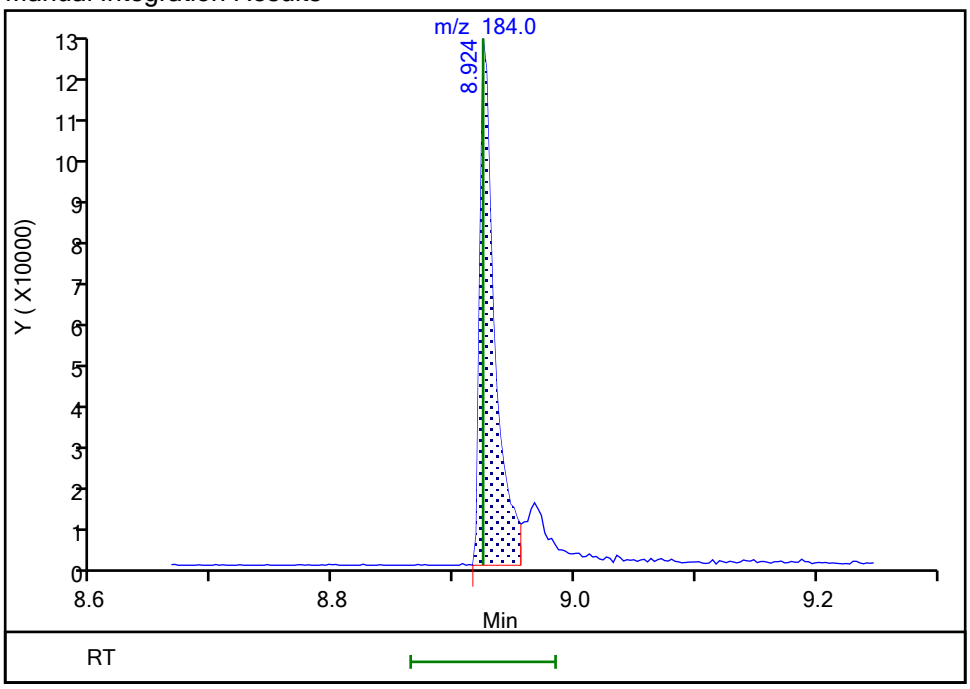
Processing Integration Results

RT: 8.97
Area: 18634
Amount: 3.149653
Amount Units: ng/uL



Manual Integration Results

RT: 8.92
Area: 103432
Amount: 7.461198
Amount Units: ng/uL



Reviewer: marshallj, 27-Oct-2021 09:04:00
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

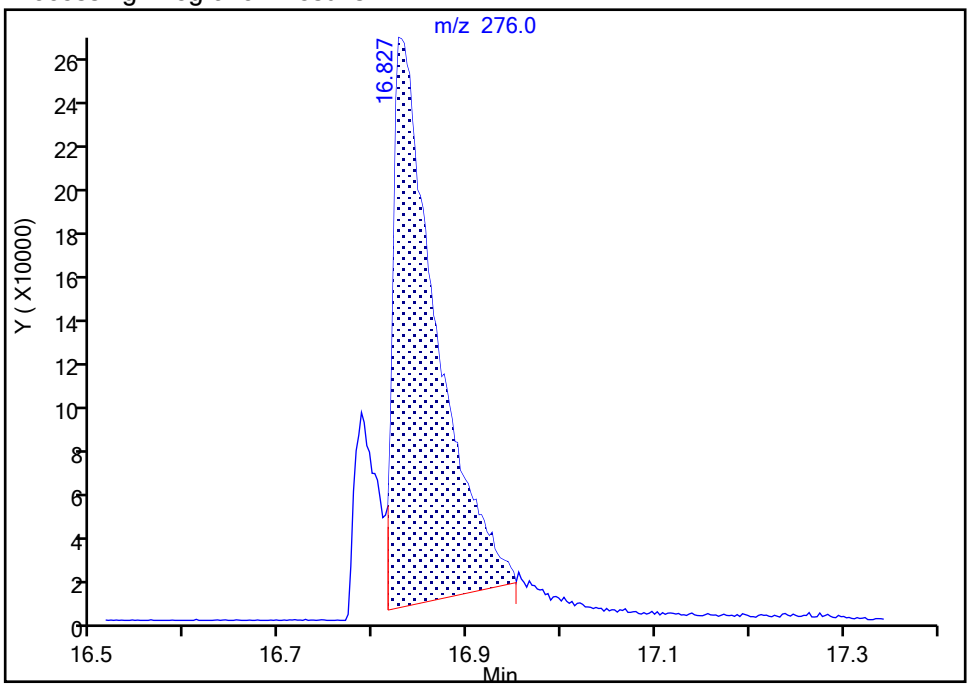
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211026-101924.b\Y02826118.D
Injection Date: 26-Oct-2021 16:50:30 Instrument ID: HP5973Y
Lims ID: CCVIS
Client ID:
Operator ID: JM ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

193 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

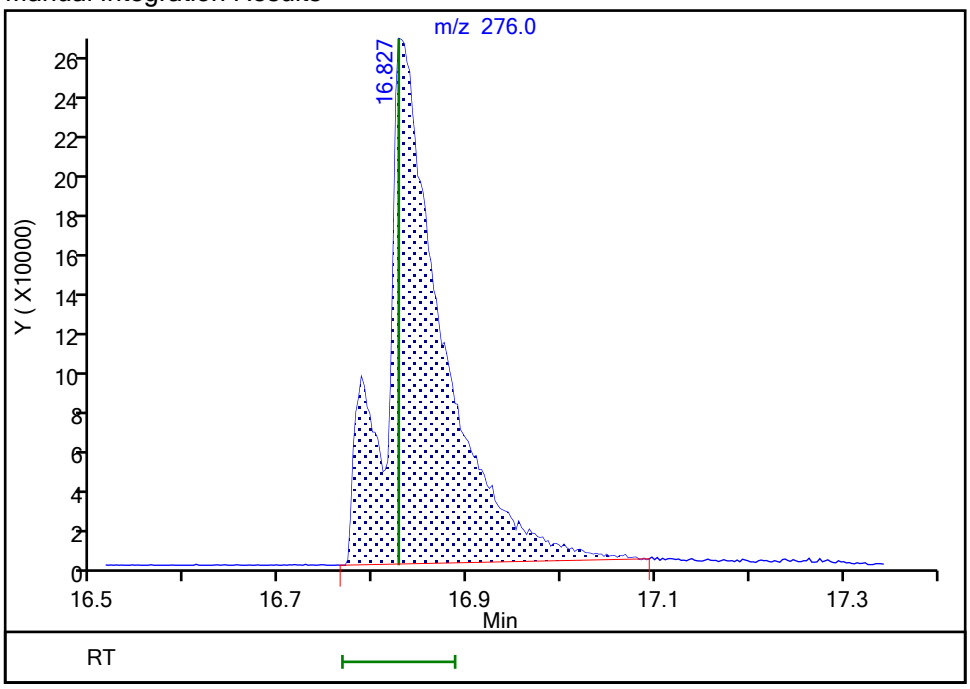
Processing Integration Results

RT: 16.83
Area: 804531
Amount: 2.907465
Amount Units: ng/uL



Manual Integration Results

RT: 16.83
Area: 1088778
Amount: 3.919085
Amount Units: ng/uL



Reviewer: marshallj, 27-Oct-2021 09:04:08
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

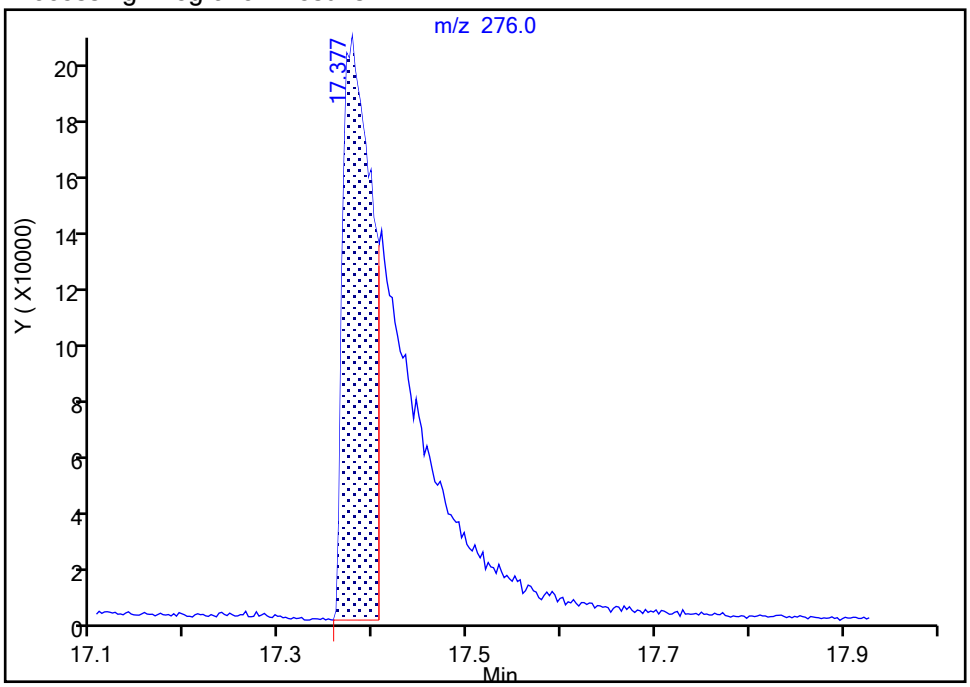
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211026-101924.b\Y02826118.D
Injection Date: 26-Oct-2021 16:50:30 Instrument ID: HP5973Y
Lims ID: CCVIS
Client ID:
Operator ID: JM ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

195 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

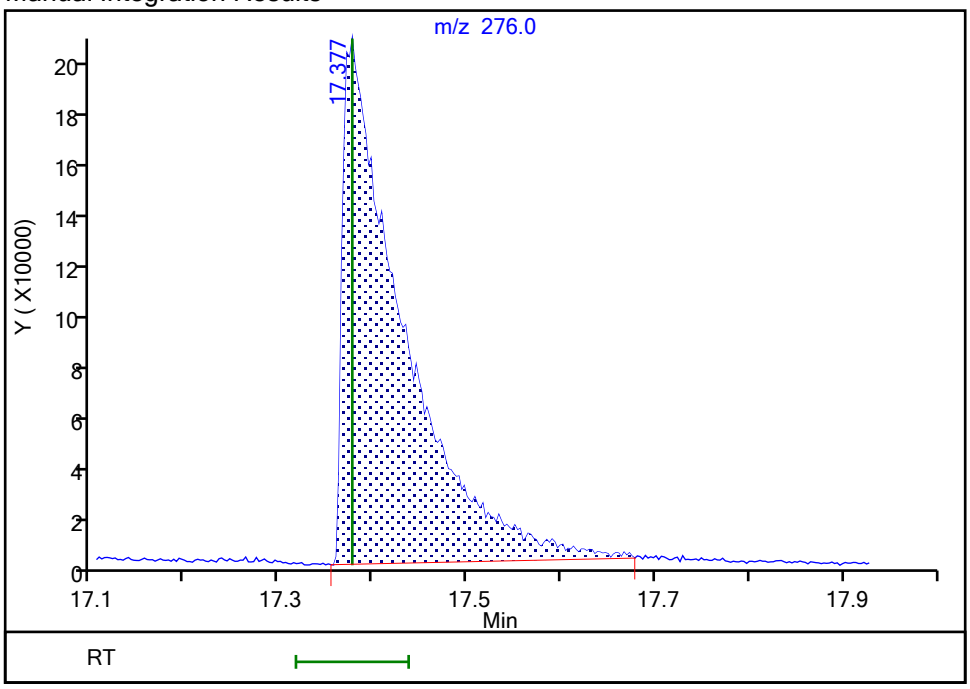
Processing Integration Results

RT: 17.38
Area: 442555
Amount: 1.938413
Amount Units: ng/uL



Manual Integration Results

RT: 17.38
Area: 923077
Amount: 4.023136
Amount Units: ng/uL



Reviewer: marshallj, 27-Oct-2021 09:04:13
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825517.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 07-Oct-2021 11:32:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 480-0101480-002
Operator ID: JM Instrument ID: HP5973Y

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 08-Oct-2021 11:21:08 Calib Date: 07-Oct-2021 15:08:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825525.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1612

First Level Reviewer: marshallj Date: 07-Oct-2021 11:53:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
250 Pentachlorophenol_T	266	10.195	10.195	0.000	93	104697	NR	NR	a
251 DFTPP									
252 Benzidine_T	184	11.509	11.509	0.000	99	1217728	NR	NR	a
254 4,4'-DDD	235		12.137					ND	
253 4,4'-DDE	246		12.306					ND	
255 4,4'-DDT	235	12.409	12.409	0.000	98	945929	NR	NR	a

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
a - User Assigned ID

Reagents:

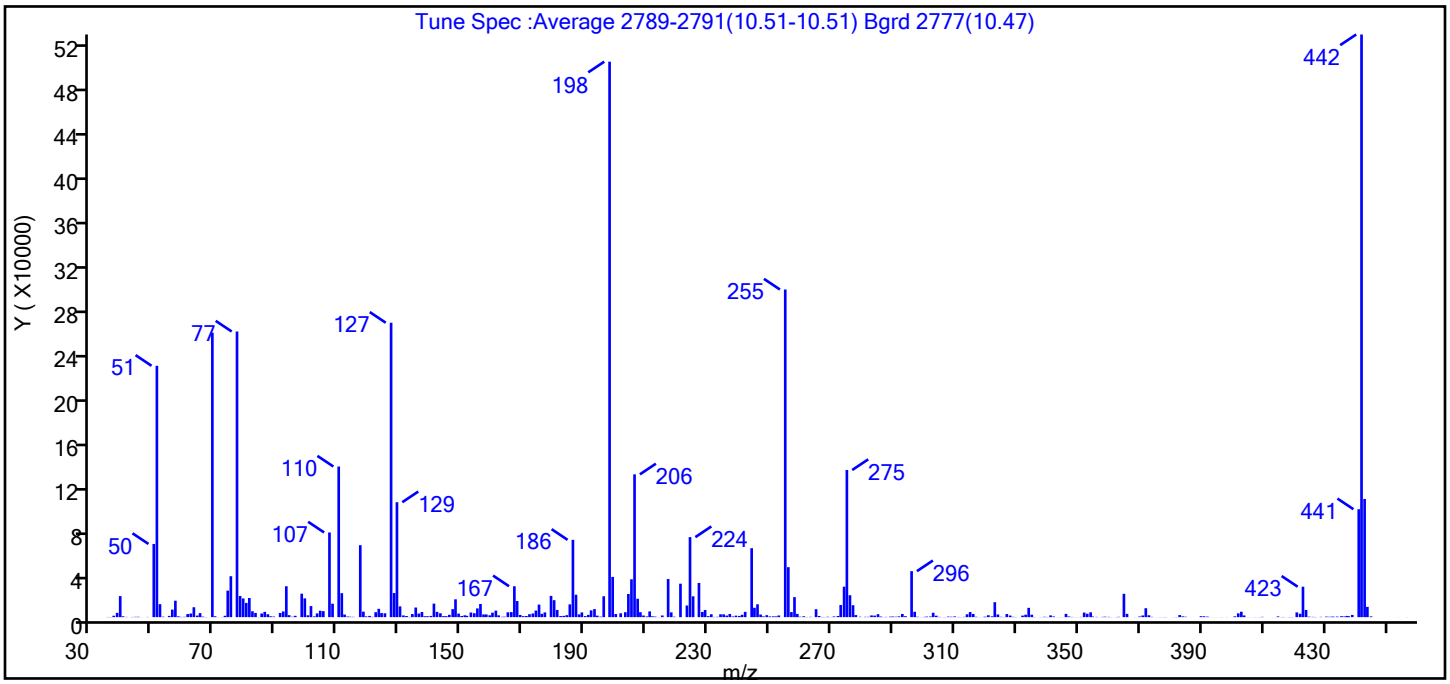
MB_DFTPP_WRK_00399 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825517.D
Injection Date: 07-Oct-2021 11:32:30 Instrument ID: HP5973Y
Lims ID: DFTPP
Client ID:
Operator ID: JM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Tune Method: DFTPP Method 8270D, BP 198

251 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (95.3)
51	10-80% of the base peak	45.2
68	<2% of mass 69	0.0 (0.0)
69	Present	51.2
70	<2% of mass 69	0.2 (0.3)
127	10-80% of the base peak	53.0
197	<2% of mass 198	0.0
199	5-9% of mass 198	7.2
275	10-60% of the base peak	26.5
365	>1% of mass 198	4.2
441	present but <24% of mass 442	19.4 (18.5)
442	base peak, or >50% of 198	104.9
443	15-24% of mass 442	21.3 (20.3)

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825517.D\Y-LVI-8270.rslt\spectra.d
Injection Date: 07-Oct-2021 11:32:30
Spectrum: Tune Spec :Average 2789-2791(10.51-10.51) Bgrd 2777(10.47)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 374

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	180	140.00	1114	241.00	2116	341.00	1585
36.00	132	141.00	12209	242.00	4794	342.00	616
37.00	1267	142.00	4752	244.00	62296	344.00	96
38.00	3876	143.00	3506	245.00	8470	345.00	85
39.00	19000	144.00	925	246.00	11598	346.00	2977
40.00	778	145.00	882	247.00	2349	347.00	610
41.00	209	146.00	2092	248.00	665	348.00	213
43.00	175	147.00	7215	249.00	1796	349.00	77
44.00	279	148.00	16107	250.00	655	350.00	95
45.00	333	149.00	3179	251.00	721	351.00	211
46.00	75	150.00	1055	252.00	674	352.00	4133
47.00	17	151.00	1647	253.00	1490	353.00	3059
48.00	164	152.00	1204	255.00	296000	354.00	4370
50.00	66128	153.00	4194	256.00	45144	355.00	545
51.00	227072	154.00	3538	257.00	4557	356.00	233
52.00	11720	155.00	7892	258.00	18088	357.00	42
53.00	431	156.00	11916	259.00	2946	358.00	244
55.00	1120	157.00	2468	260.00	397	359.00	420
56.00	6808	158.00	2462	261.00	796	360.00	256
57.00	14868	159.00	1666	262.00	170	361.00	92
58.00	734	160.00	4036	263.00	293	362.00	115
59.00	230	161.00	5870	265.00	7174	363.00	281
60.00	310	162.00	1606	266.00	1061	365.00	21072
61.00	2784	163.00	300	267.00	162	366.00	2992
62.00	3286	164.00	417	268.00	146	369.00	78
63.00	8953	165.00	4379	269.00	358	370.00	591
64.00	1420	166.00	4551	270.00	88	371.00	1513
65.00	3638	167.00	27920	271.00	626	372.00	8079
66.00	491	168.00	14539	272.00	1070	373.00	1685
67.00	151	169.00	1986	273.00	10975	374.00	272
69.00	256960	170.00	907	274.00	27512	375.00	40
70.00	803	171.00	1030	275.00	132928	376.00	78
71.00	56	172.00	2666	276.00	19808	377.00	92

Report Date: 08-Oct-2021 11:21:09 Chrom Revision: 2.3 13-May-2021 07:57:40
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825517.D\Y-LVI-8270.rslt\spectra.d
Injection Date: 07-Oct-2021 11:32:30
Spectrum: Tune Spec :Average 2789-2791(10.51-10.51) Bgrd 2777(10.47)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 374

m/z	Y	m/z	Y	m/z	Y	m/z	Y
72.00	97	173.00	3311	277.00	10777	378.00	149
73.00	1218	174.00	5958	278.00	1878	379.00	51
74.00	23960	175.00	11348	279.00	366	381.00	90
75.00	36984	176.00	3022	281.00	303	382.00	120
77.00	258048	177.00	4254	282.00	307	383.00	1894
78.00	19136	179.00	19216	283.00	1567	384.00	709
79.00	16896	180.00	15331	284.00	1380	385.00	369
80.00	12847	181.00	6512	285.00	2678	387.00	35
81.00	17296	182.00	1002	286.00	538	390.00	861
82.00	5317	183.00	1155	287.00	84	391.00	785
83.00	3815	184.00	1782	288.00	235	392.00	501
84.00	91	185.00	11556	289.00	443	393.00	51
85.00	3322	186.00	69848	290.00	551	394.00	38
86.00	4781	187.00	20256	291.00	378	395.00	49
87.00	2639	188.00	2459	292.00	710	397.00	102
88.00	775	189.00	4273	293.00	2874	398.00	73
89.00	536	190.00	967	294.00	889	400.00	64
91.00	3770	191.00	2014	296.00	41536	401.00	746
92.00	5160	192.00	6128	297.00	4861	402.00	3402
93.00	27912	193.00	7264	298.00	362	403.00	4898
94.00	1807	194.00	1345	299.00	101	404.00	1526
95.00	344	195.00	440	300.00	214	405.00	89
96.00	1204	196.00	18864	301.00	506	407.00	52
98.00	21192	198.00	501824	302.00	560	408.00	102
99.00	16952	199.00	36344	303.00	3949	409.00	106
100.00	1662	200.00	2830	304.00	1298	410.00	286
101.00	10009	202.00	3512	305.00	246	413.00	36
102.00	681	203.00	4473	306.00	51	414.00	44
103.00	3366	204.00	20912	307.00	135	415.00	665
104.00	5770	205.00	34208	308.00	506	416.00	119
105.00	5414	206.00	129000	309.00	369	417.00	159
107.00	76496	207.00	16608	310.00	658	418.00	142
108.00	12155	208.00	4452	311.00	177	419.00	145
110.00	136064	209.00	1484	312.00	120	420.00	71

Report Date: 08-Oct-2021 11:21:09 Chrom Revision: 2.3 13-May-2021 07:57:40
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825517.D\Y-LVI-8270.rslt\spectra.d
Injection Date: 07-Oct-2021 11:32:30
Spectrum: Tune Spec :Average 2789-2791(10.51-10.51) Bgrd 2777(10.47)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 374

m/z	Y	m/z	Y	m/z	Y	m/z	Y
111.00	21672	210.00	638	313.00	266	421.00	4297
112.00	2362	211.00	5176	314.00	2579	422.00	3101
113.00	546	212.00	756	315.00	4572	423.00	27504
114.00	364	213.00	495	316.00	2881	424.00	6506
115.00	270	214.00	117	317.00	325	425.00	439
117.00	65016	215.00	1498	318.00	68	426.00	251
118.00	4971	217.00	34432	320.00	260	427.00	154
119.00	683	218.00	4325	320.00	357	429.00	272
120.00	1126	219.00	405	321.00	1723	431.00	510
121.00	261	221.00	30224	322.00	735	432.00	339
122.00	4460	223.00	10508	323.00	13487	432.00	414
123.00	7509	224.00	72304	324.00	2415	433.00	384
124.00	3681	225.00	18832	325.00	326	434.00	518
125.00	3479	227.00	30888	326.00	105	436.00	879
127.00	265984	228.00	4682	327.00	2818	436.00	634
128.00	21784	229.00	6487	328.00	1464	437.00	1134
129.00	103832	230.00	925	329.00	288	438.00	857
130.00	9731	231.00	2605	330.00	171	439.00	2004
131.00	1539	232.00	220	332.00	1395	441.00	97512
132.00	1045	233.00	317	333.00	2197	442.00	526400
133.00	208	234.00	2597	334.00	8408	443.00	106768
134.00	2778	235.00	2563	335.00	2196	444.00	9304
135.00	8697	236.00	1435	336.00	157	445.00	684
136.00	3218	237.00	2845	337.00	43	454.00	42
137.00	4626	238.00	626	338.00	101	457.00	69
138.00	803	239.00	1369	339.00	316		
139.00	864	240.00	1093	340.00	157		

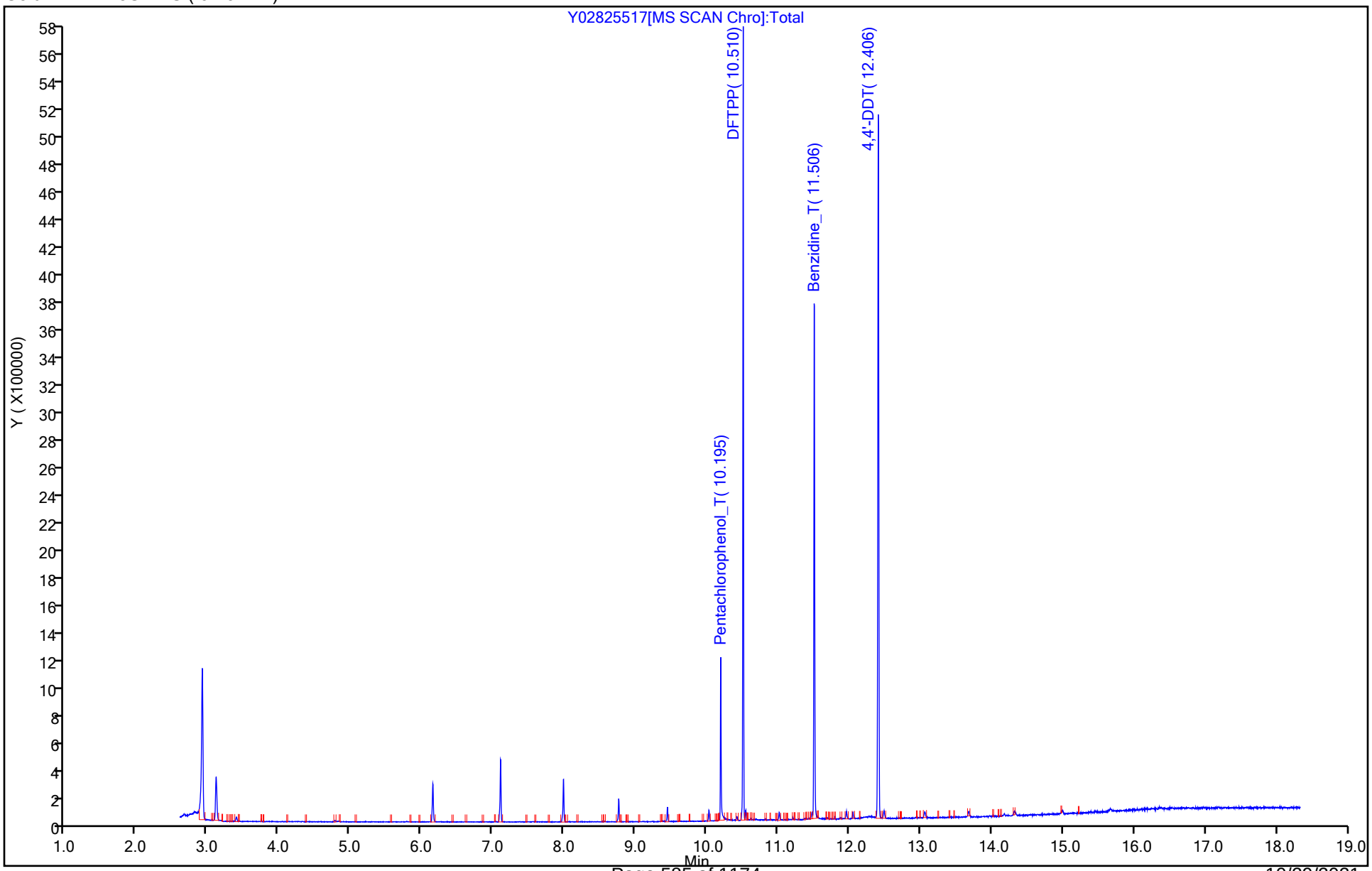
Report Date: 08-Oct-2021 11:21:09 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825517.D

Injection Date:	07-Oct-2021 11:32:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	DFTPP			Worklist Smp#:	2
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)

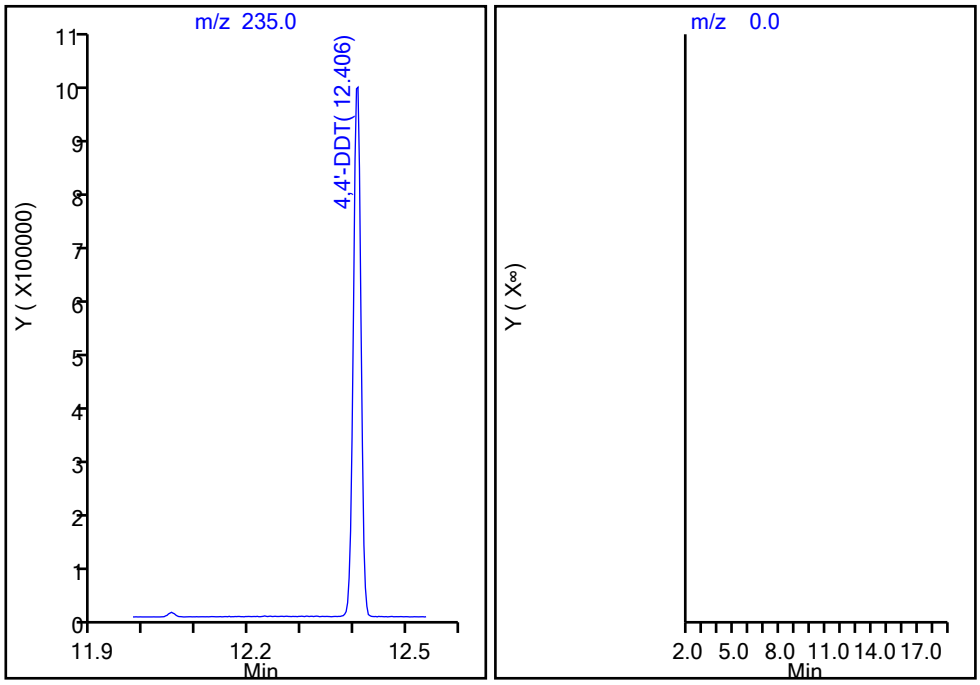


Breakdown Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825517.D
Injection Date: 07-Oct-2021 11:32:30 Instrument ID: HP5973Y
Lims ID: DFTPP
Client ID:
Operator ID: JM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL

255 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

255 4,4'-DDT, Area = 945929
254 4,4'-DDD, Area = 0
253 4,4'-DDE, Area = 0

%Breakdown: 0.00%, <= 20.00%
Passed

Peak Tailing Report

Eurofins TestAmerica, Buffalo

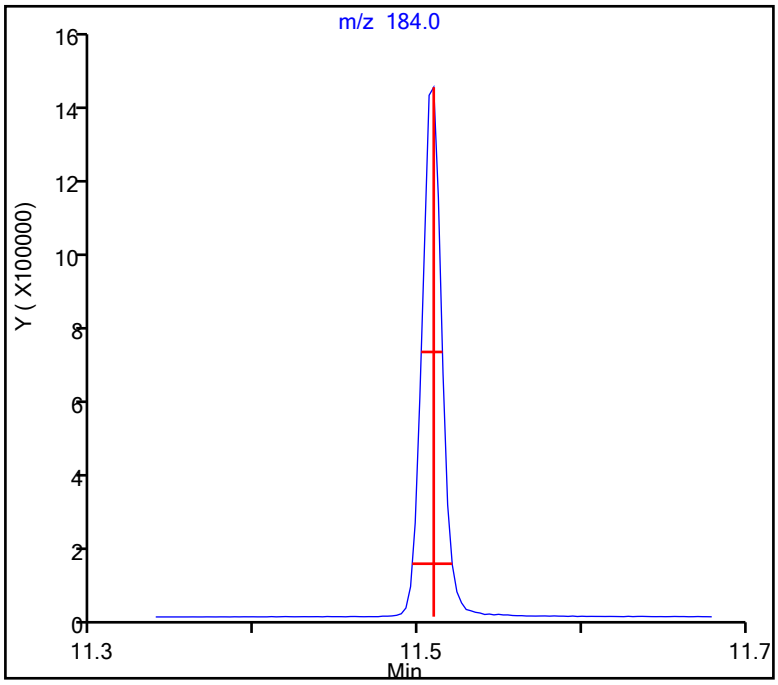
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825517.D
Injection Date: 07-Oct-2021 11:32:30 Instrument ID: HP5973Y
Lims ID: DFTPP
Client ID:
Operator ID: JM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL

252 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.013 (min.)

Tailing Factor = 0.85, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins TestAmerica, Buffalo

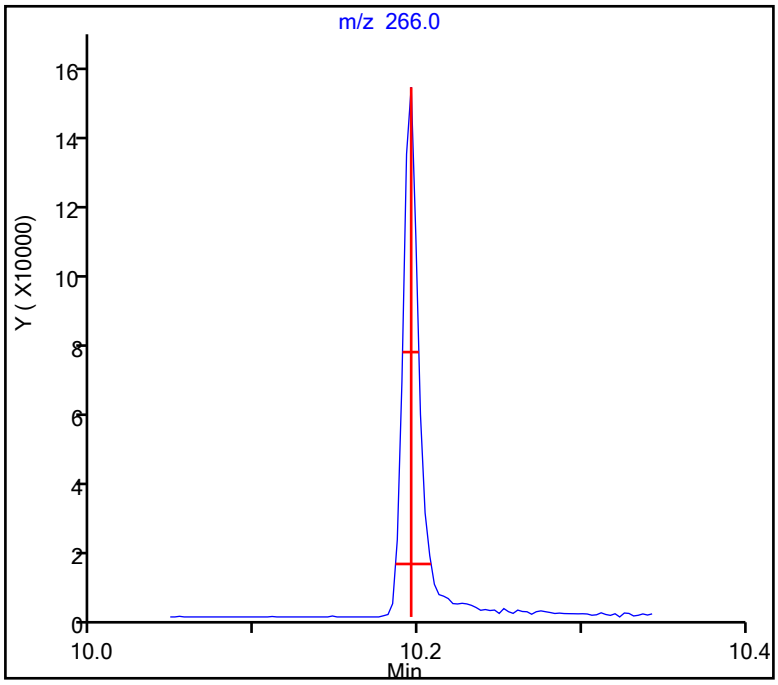
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211007-101480.b\Y02825517.D
Injection Date: 07-Oct-2021 11:32:30 Instrument ID: HP5973Y
Lims ID: DFTPP
Client ID:
Operator ID: JM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL

250 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.012 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.20, Max. Tailing <= 2.00
Passed



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211022-101850.b\Y02825991.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 22-Oct-2021 11:52:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Operator ID: JM Instrument ID: HP5973Y

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211022-101850.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 22-Oct-2021 16:36:24 Calib Date: 12-Oct-2021 15:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211012-101584.b\Y02825651.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1677

First Level Reviewer: marshallj Date: 22-Oct-2021 12:12:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
250 Pentachlorophenol_T	266	9.992	9.992	0.000	94	121167	NR	NR	
251 DFTPP									
252 Benzidine_T	184	11.277	11.277	0.000	99	748361	NR	NR	
254 4,4'-DDD	235	11.791	11.791	0.000	97	17393		NR	
255 4,4'-DDT	235	12.125	12.125	0.000	98	655540	NR	NR	a
253 4,4'-DDE	246		12.125					ND	U

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
U - Marked Undetected
a - User Assigned ID

Reagents:

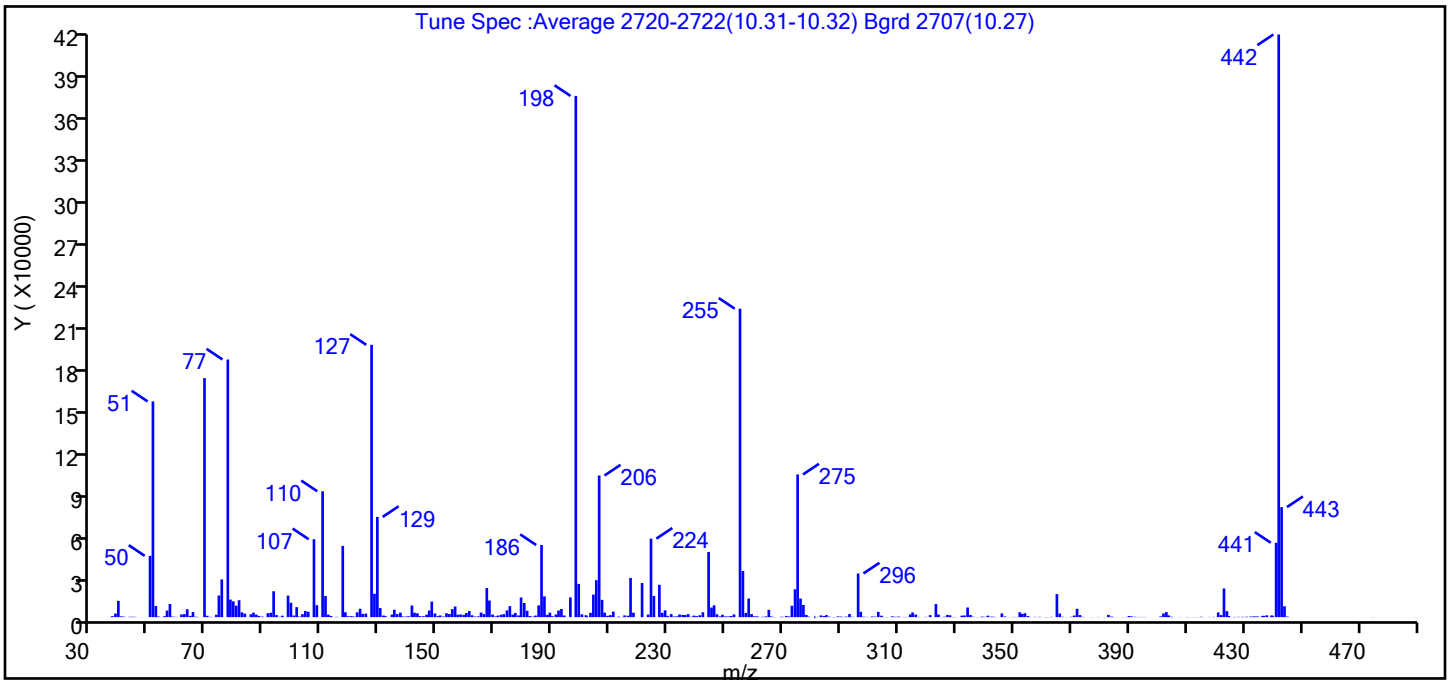
MB_DFTPP_WRK_00399 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211022-101850.b\Y02825991.D
Injection Date: 22-Oct-2021 11:52:30 Instrument ID: HP5973Y
Lims ID: DFTPP
Client ID:
Operator ID: JM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Tune Method: DFTPP Method 8270D, BP 198

251 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (89.5)
51	10-80% of the base peak	41.4
68	<2% of mass 69	0.0 (0.0)
69	Present	45.9
70	<2% of mass 69	0.3 (0.6)
127	10-80% of the base peak	52.2
197	<2% of mass 198	0.0
199	5-9% of mass 198	6.4
275	10-60% of the base peak	27.4
365	>1% of mass 198	4.4
441	present but <24% of mass 442	14.3 (12.8)
442	base peak, or >50% of 198	111.8
443	15-24% of mass 442	21.1 (18.9)

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211022-101850.b\Y02825991.D\Y-LVI-8270.rslt\spectra.d
Injection Date: 22-Oct-2021 11:52:30
Spectrum: Tune Spec :Average 2720-2722(10.31-10.32) Bgrd 2707(10.27)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 377

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	78	143.00	2730	245.00	6838	348.00	45
37.00	699	144.00	743	246.00	8410	349.00	56
38.00	2535	145.00	674	247.00	2006	350.00	177
39.00	11595	146.00	1772	248.00	542	351.00	159
40.00	544	147.00	4697	249.00	1680	352.00	3463
41.00	351	148.00	11068	250.00	550	353.00	2328
43.00	264	149.00	2650	251.00	489	354.00	2768
44.00	280	150.00	680	252.00	851	355.00	781
45.00	185	151.00	1204	253.00	1907	356.00	68
48.00	24	152.00	433	255.00	219456	357.00	185
50.00	43624	153.00	2791	256.00	32864	358.00	36
51.00	153472	154.00	2236	257.00	3002	359.00	245
52.00	7900	155.00	5671	258.00	13210	360.00	86
53.00	446	156.00	7601	259.00	2189	361.00	108
54.00	79	157.00	1738	260.00	619	362.00	72
55.00	692	158.00	1929	261.00	543	363.00	191
56.00	4692	159.00	1598	262.00	56	365.00	16384
57.00	9312	160.00	2944	263.00	258	366.00	2530
58.00	398	161.00	4410	264.00	557	367.00	236
59.00	241	162.00	1307	265.00	5186	368.00	91
61.00	1900	163.00	416	266.00	478	370.00	268
62.00	2180	164.00	562	267.00	145	371.00	1128
63.00	5613	165.00	3282	269.00	256	372.00	5957
64.00	912	166.00	2179	270.00	212	373.00	1500
65.00	3588	167.00	20720	271.00	879	374.00	203
66.00	284	168.00	11817	272.00	506	377.00	35
67.00	159	169.00	1845	273.00	8106	377.00	105
69.00	170048	170.00	537	274.00	19832	379.00	135
70.00	988	171.00	1139	275.00	101520	381.00	46
71.00	228	172.00	1725	276.00	13222	382.00	64
72.00	105	173.00	2116	277.00	8637	383.00	1622
73.00	1677	174.00	4796	278.00	1596	384.00	441
74.00	15386	175.00	7850	279.00	378	385.00	93

Report Date: 22-Oct-2021 16:36:24 Chrom Revision: 2.3 22-Sep-2021 15:38:46
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211022-101850.b\Y02825991.D\Y-LVI-8270.rslt\spectra.d
Injection Date: 22-Oct-2021 11:52:30
Spectrum: Tune Spec :Average 2720-2722(10.31-10.32) Bgrd 2707(10.27)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 377

m/z	Y	m/z	Y	m/z	Y	m/z	Y
75.00	26832	176.00	1784	281.00	1	386.00	38
77.00	183296	177.00	3019	282.00	184	388.00	65
78.00	12489	178.00	1213	283.00	1235	389.00	88
79.00	11223	179.00	13978	284.00	767	390.00	816
80.00	8157	180.00	10080	285.00	1469	391.00	532
81.00	12040	181.00	4528	286.00	335	392.00	251
82.00	3422	182.00	796	288.00	69	393.00	115
83.00	2478	183.00	387	288.00	132	394.00	132
84.00	92	184.00	1139	289.00	547	395.00	142
85.00	2057	185.00	8350	290.00	394	396.00	76
86.00	3192	186.00	51304	291.00	180	401.00	522
87.00	1812	187.00	14770	292.00	388	402.00	2626
88.00	843	188.00	1608	293.00	2195	403.00	3604
89.00	375	189.00	3152	294.00	234	404.00	1259
90.00	51	190.00	646	296.00	31088	405.00	302
91.00	2813	191.00	1900	297.00	3825	408.00	117
92.00	3117	192.00	4733	298.00	325	410.00	144
93.00	18440	193.00	5783	299.00	186	411.00	63
94.00	1437	194.00	1172	300.00	59	412.00	68
95.00	222	196.00	14019	301.00	491	413.00	47
96.00	1025	198.00	370816	302.00	348	414.00	111
98.00	15344	199.00	23656	303.00	3757	415.00	285
99.00	10223	200.00	2033	304.00	1039	416.00	78
100.00	1154	202.00	1388	305.00	154	417.00	4
101.00	7097	202.00	793	306.00	62	418.00	126
102.00	424	203.00	3073	307.00	49	419.00	190
103.00	2120	204.00	16053	308.00	582	421.00	3360
104.00	4336	205.00	26272	309.00	264	422.00	1451
105.00	3844	206.00	100760	310.00	454	423.00	20408
107.00	55432	207.00	12311	311.00	104	424.00	4251
108.00	8513	208.00	3213	312.00	157	425.00	767
110.00	89552	209.00	972	313.00	200	426.00	67
111.00	15018	210.00	1435	314.00	1915	427.00	160
112.00	1790	211.00	3929	315.00	3342	428.00	218

Report Date: 22-Oct-2021 16:36:24 Chrom Revision: 2.3 22-Sep-2021 15:38:46
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211022-101850.b\Y02825991.D\Y-LVI-8270.rslt\spectra.d
Injection Date: 22-Oct-2021 11:52:30
Spectrum: Tune Spec :Average 2720-2722(10.31-10.32) Bgrd 2707(10.27)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 377

m/z	Y	m/z	Y	m/z	Y	m/z	Y
113.00	816	213.00	77	316.00	1860	429.00	282
114.00	66	213.00	378	317.00	193	430.00	97
115.00	223	214.00	85	320.00	225	431.00	307
117.00	50680	215.00	1239	321.00	1419	432.00	444
118.00	3486	216.00	1012	323.00	9315	433.00	523
119.00	673	217.00	27880	324.00	1819	434.00	475
120.00	723	218.00	3191	325.00	84	435.00	449
121.00	383	221.00	24264	326.00	330	436.00	896
122.00	3446	223.00	1815	327.00	1599	437.00	926
123.00	5945	224.00	55840	328.00	1305	438.00	1273
124.00	2315	225.00	15063	329.00	138	440.00	1156
125.00	2528	227.00	22992	330.00	115	440.00	985
127.00	193728	228.00	3056	331.00	36	441.00	52912
128.00	16624	229.00	4861	332.00	1058	442.00	414528
129.00	71312	230.00	923	333.00	1225	443.00	78280
130.00	6478	231.00	2193	334.00	6889	444.00	7721
131.00	1136	232.00	441	335.00	1513	445.00	421
132.00	695	233.00	595	336.00	310	446.00	41
133.00	52	234.00	1874	338.00	110	450.00	39
134.00	1817	235.00	1572	338.00	34	474.00	48
135.00	5285	236.00	1480	339.00	389	475.00	75
136.00	2159	237.00	2171	340.00	224	481.00	37
137.00	3181	238.00	296	341.00	1053	484.00	44
138.00	486	239.00	1099	342.00	354	486.00	50
139.00	417	240.00	738	343.00	311	490.00	72
140.00	636	241.00	1350	344.00	60		
141.00	8269	242.00	3496	346.00	2643		
142.00	3156	244.00	46376	347.00	461		

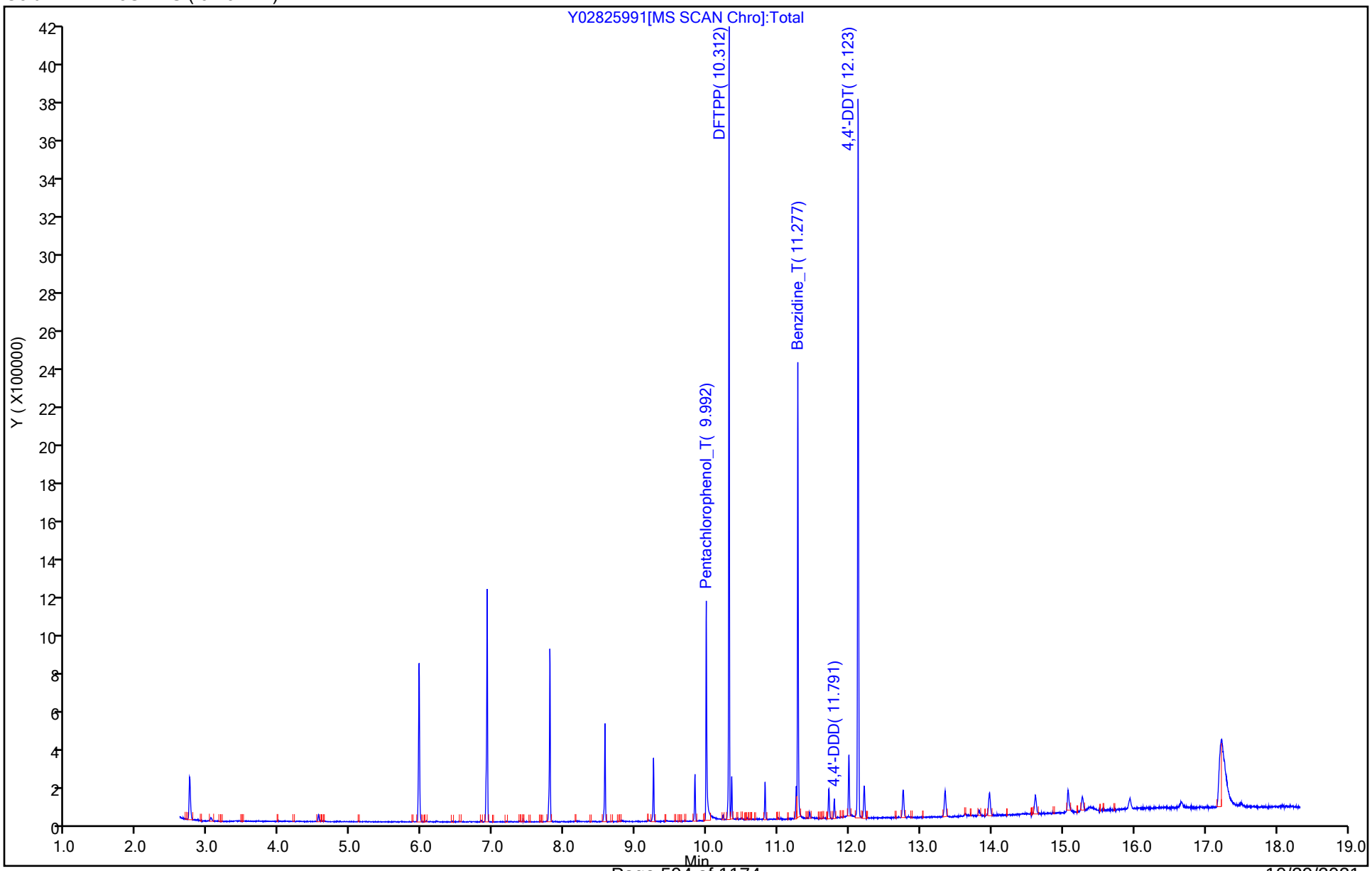
Report Date: 22-Oct-2021 16:36:24 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211022-101850.b\Y02825991.D

Injection Date:	22-Oct-2021 11:52:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	DFTPP			Worklist Smp#:	2
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Breakdown Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211022-101850.b\Y02825991.D
Injection Date: 22-Oct-2021 11:52:30 Instrument ID: HP5973Y
Lims ID: DFTPP
Client ID:
Operator ID: JM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL

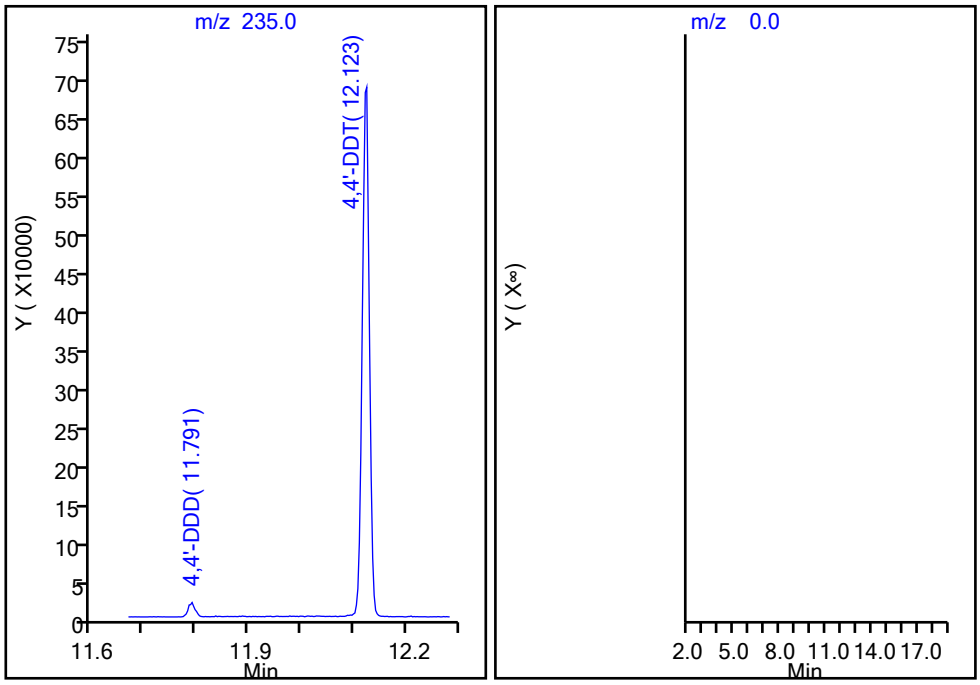
255 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

255 4,4'-DDT, Area = 655540
254 4,4'-DDD, Area = 17393
253 4,4'-DDE, Area = 0

%Breakdown: 2.58%, <= 20.00%
Passed



Peak Tailing Report

Eurofins TestAmerica, Buffalo

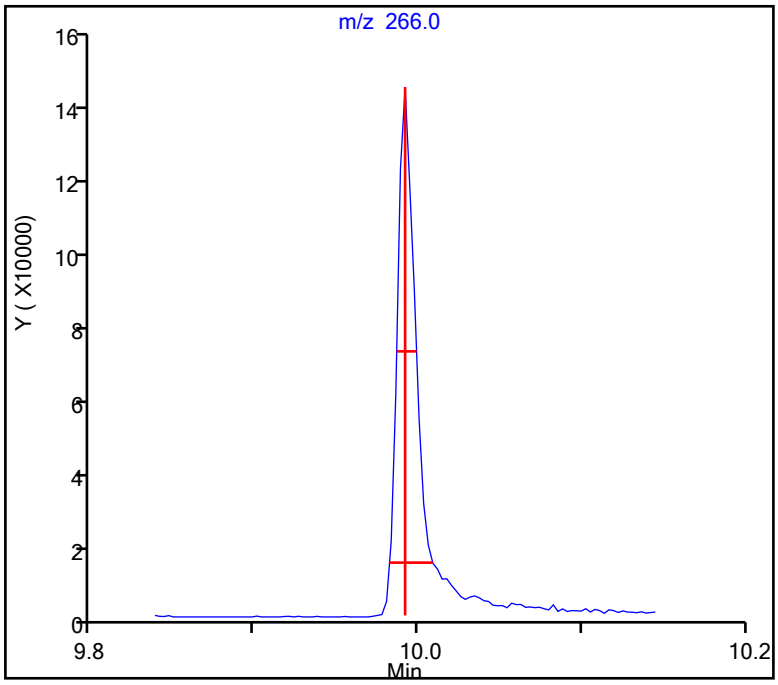
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211022-101850.b\Y02825991.D
Injection Date: 22-Oct-2021 11:52:30 Instrument ID: HP5973Y
Lims ID: DFTPP
Client ID:
Operator ID: JM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL

250 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.017 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.70, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins TestAmerica, Buffalo

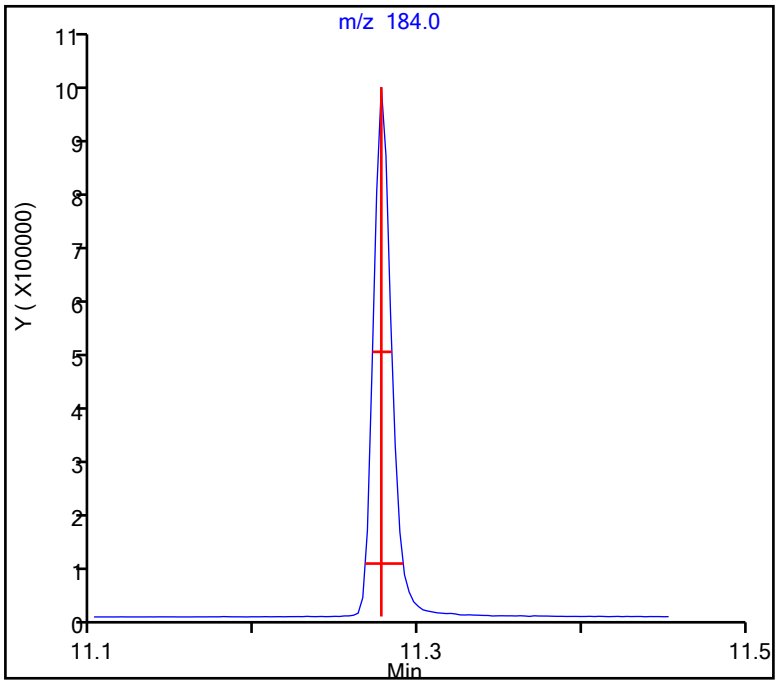
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211022-101850.b\Y02825991.D
Injection Date: 22-Oct-2021 11:52:30 Instrument ID: HP5973Y
Lims ID: DFTPP
Client ID:
Operator ID: JM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL

252 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.013 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.30, Max. Tailing <= 2.00
Passed



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y02826059.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 25-Oct-2021 10:55:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Operator ID: JM Instrument ID: HP5973Y

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 27-Oct-2021 12:31:38 Calib Date: 12-Oct-2021 15:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211012-101584.b\Y02825651.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1684

First Level Reviewer: marshallj Date: 25-Oct-2021 11:16:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
250 Pentachlorophenol_T	266	9.982	9.982	0.000	95	113924	NR	NR	
251 DFTPP									
252 Benzidine_T	184	11.268	11.268	0.000	99	871955	NR	NR	
254 4,4'-DDD	235	11.779	11.779	0.000	92	10921		NR	
253 4,4'-DDE	246		12.113				ND		U
255 4,4'-DDT	235	12.113	12.113	0.000	98	703203	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
U - Marked Undetected

Reagents:

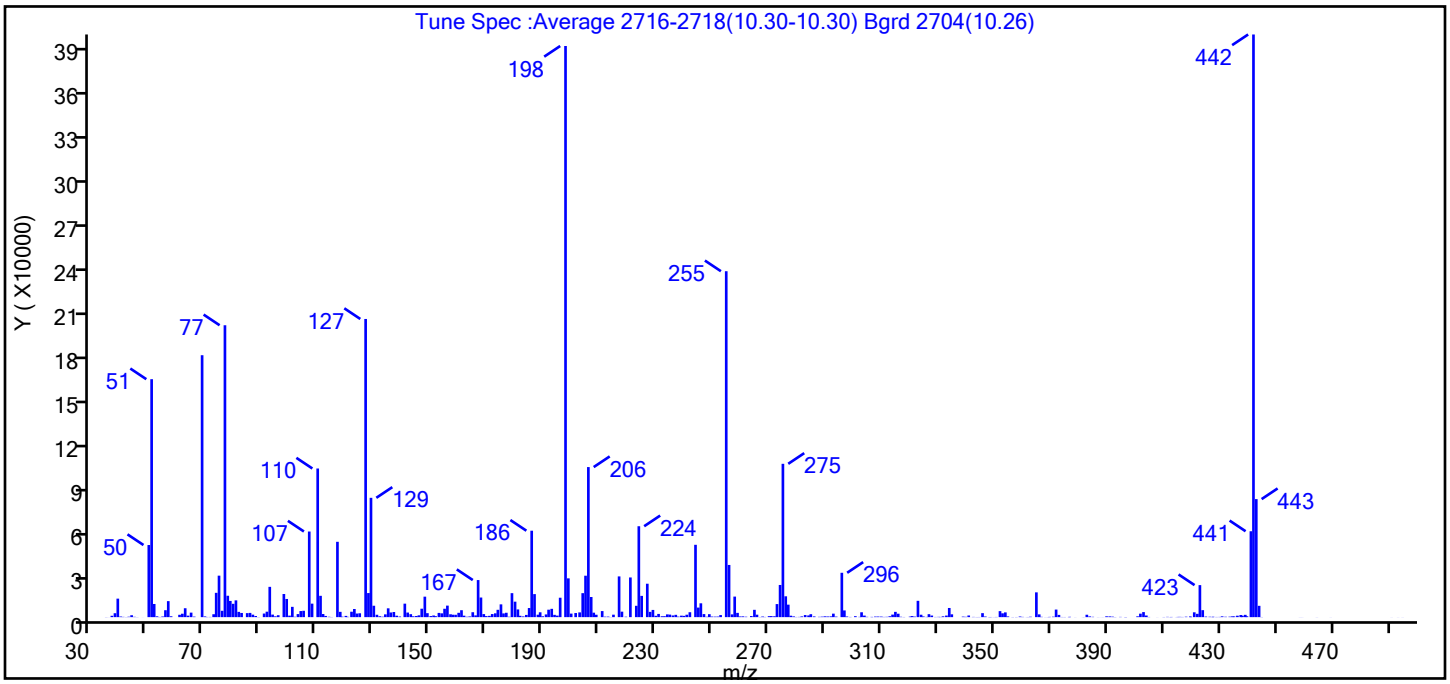
MB_DFTPP_WRK_00399 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y02826059.D
Injection Date: 25-Oct-2021 10:55:30 Instrument ID: HP5973Y
Lims ID: DFTPP
Client ID:
Operator ID: JM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Tune Method: DFTPP Method 8270D, BP 198

251 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (98.0)
51	10-80% of the base peak	41.7
68	<2% of mass 69	0.0 (0.0)
69	Present	45.9
70	<2% of mass 69	0.1 (0.3)
127	10-80% of the base peak	52.2
197	<2% of mass 198	0.0
199	5-9% of mass 198	6.8
275	10-60% of the base peak	26.8
365	>1% of mass 198	4.3
441	present but <24% of mass 442	15.0 (14.7)
442	base peak, or >50% of 198	102.0
443	15-24% of mass 442	20.7 (20.3)

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y02826059.D\Y-LVI-8270.rslt\spectra.d
Injection Date: 25-Oct-2021 10:55:30
Spectrum: Tune Spec :Average 2716-2718(10.30-10.30) Bgrd 2704(10.26)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 375

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	79	143.00	2026	245.00	6532	348.00	101
36.00	34	144.00	572	246.00	9458	349.00	110
37.00	930	145.00	791	247.00	2093	350.00	63
38.00	2680	146.00	1227	248.00	281	351.00	128
39.00	12645	147.00	5765	249.00	2026	352.00	4103
40.00	420	148.00	13997	250.00	395	353.00	2622
41.00	191	149.00	2718	251.00	342	354.00	3251
42.00	83	150.00	744	252.00	380	355.00	492
43.00	295	151.00	1119	253.00	1407	357.00	101
44.00	1305	152.00	681	255.00	236416	358.00	103
45.00	224	153.00	2897	256.00	35664	359.00	425
46.00	72	154.00	2605	257.00	1888	360.00	174
48.00	20	155.00	5728	258.00	14044	361.00	29
50.00	49288	156.00	7873	259.00	2922	362.00	112
51.00	162624	157.00	1957	260.00	469	363.00	286
52.00	8992	158.00	1654	261.00	526	365.00	16944
53.00	559	159.00	1622	262.00	300	366.00	1889
54.00	124	160.00	2964	264.00	750	367.00	218
55.00	431	161.00	4736	265.00	5004	368.00	57
56.00	4733	162.00	994	266.00	1672	369.00	77
57.00	10943	163.00	266	267.00	114	370.00	182
58.00	581	164.00	466	268.00	411	371.00	305
61.00	1615	165.00	3361	269.00	141	372.00	5179
62.00	2338	166.00	1195	270.00	673	373.00	1541
63.00	6087	167.00	25344	271.00	717	374.00	123
64.00	1015	168.00	13408	272.00	601	375.00	112
65.00	3088	169.00	2088	273.00	8927	377.00	88
66.00	356	170.00	713	274.00	21984	377.00	228
69.00	179008	171.00	883	275.00	104792	379.00	45
70.00	485	172.00	2108	276.00	14248	382.00	39
71.00	134	173.00	2599	277.00	8529	382.00	54
72.00	141	174.00	5022	278.00	980	383.00	1645
73.00	1989	175.00	8740	279.00	497	384.00	503

Report Date: 27-Oct-2021 12:31:38 Chrom Revision: 2.3 22-Sep-2021 15:38:46
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y02826059.D\Y-LVI-8270.rslt\spectra.d
Injection Date: 25-Oct-2021 10:55:30
Spectrum: Tune Spec :Average 2716-2718(10.30-10.30) Bgrd 2704(10.26)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 375

m/z	Y	m/z	Y	m/z	Y	m/z	Y
74.00	16616	176.00	2551	280.00	126	385.00	224
75.00	28352	177.00	2996	281.00	169	387.00	58
76.00	4342	178.00	281	282.00	498	388.00	33
77.00	199488	179.00	16392	283.00	1427	389.00	47
78.00	14619	180.00	10575	284.00	1158	390.00	567
79.00	11070	181.00	5272	285.00	2011	391.00	499
80.00	9115	182.00	913	286.00	490	392.00	345
81.00	11465	183.00	494	288.00	219	393.00	100
82.00	3609	184.00	1519	289.00	343	395.00	167
83.00	2852	185.00	6217	290.00	551	397.00	73
85.00	2736	186.00	59072	291.00	451	397.00	87
86.00	2902	187.00	15741	292.00	533	401.00	549
87.00	1699	188.00	1659	293.00	2388	402.00	2381
88.00	771	189.00	3321	294.00	365	403.00	3452
89.00	97	190.00	588	296.00	30320	404.00	1108
91.00	2450	191.00	1854	297.00	4583	405.00	130
92.00	3729	192.00	5093	298.00	451	408.00	36
93.00	20704	193.00	5682	299.00	136	410.00	105
94.00	1736	194.00	1568	301.00	651	412.00	188
95.00	551	195.00	1043	302.00	193	412.00	70
96.00	1316	196.00	13273	303.00	3334	413.00	140
98.00	15808	198.00	390336	304.00	1061	415.00	51
99.00	12421	199.00	26512	305.00	218	415.00	159
100.00	1035	200.00	2420	307.00	178	416.00	188
101.00	7037	202.00	2809	307.00	50	417.00	130
102.00	266	203.00	3245	308.00	391	418.00	307
103.00	2080	204.00	16392	309.00	407	420.00	478
104.00	4159	205.00	28312	310.00	369	420.00	104
105.00	4342	206.00	102560	311.00	157	421.00	3305
107.00	58520	207.00	13763	312.00	219	422.00	2266
108.00	9224	208.00	3054	313.00	607	423.00	21888
110.00	101584	209.00	1639	314.00	1733	424.00	4770
111.00	14574	211.00	4143	315.00	3617	425.00	385
112.00	2132	212.00	331	316.00	2339	426.00	270

Report Date: 27-Oct-2021 12:31:38 Chrom Revision: 2.3 22-Sep-2021 15:38:46
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y02826059.D\Y-LVI-8270.rslt\spectra.d
Injection Date: 25-Oct-2021 10:55:30
Spectrum: Tune Spec :Average 2716-2718(10.30-10.30) Bgrd 2704(10.26)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 375

m/z	Y	m/z	Y	m/z	Y	m/z	Y
113.00	818	213.00	372	317.00	257	428.00	161
114.00	255	214.00	78	318.00	114	428.00	253
115.00	104	215.00	1686	320.00	356	429.00	133
117.00	51488	217.00	27840	321.00	720	430.00	163
118.00	3625	218.00	3751	322.00	377	431.00	540
119.00	322	219.00	286	323.00	11154	432.00	274
120.00	854	221.00	27120	324.00	1652	434.00	332
121.00	199	223.00	7749	325.00	470	434.00	512
122.00	3708	224.00	62128	326.00	166	435.00	501
123.00	5569	225.00	14529	327.00	2031	436.00	987
124.00	2462	227.00	22840	328.00	1084	438.00	1448
125.00	2642	228.00	3605	329.00	132	438.00	1000
127.00	203776	229.00	4930	330.00	196	439.00	1576
128.00	16456	230.00	926	331.00	143	440.00	599
129.00	81552	231.00	2201	332.00	550	441.00	58704
130.00	7790	232.00	606	333.00	1080	442.00	398208
131.00	1632	233.00	646	334.00	6260	443.00	80672
132.00	612	234.00	1876	335.00	1929	444.00	7735
133.00	294	235.00	1729	339.00	361	445.00	107
134.00	1906	236.00	1150	340.00	229	458.00	40
135.00	6030	237.00	1584	341.00	1134	459.00	35
136.00	3181	238.00	357	342.00	27	464.00	46
137.00	3509	239.00	1004	343.00	162	469.00	37
138.00	987	240.00	873	344.00	107	491.00	33
139.00	415	241.00	1648	345.00	115	493.00	35
141.00	9217	242.00	3356	346.00	2732	495.00	38
142.00	3137	244.00	49440	347.00	422		

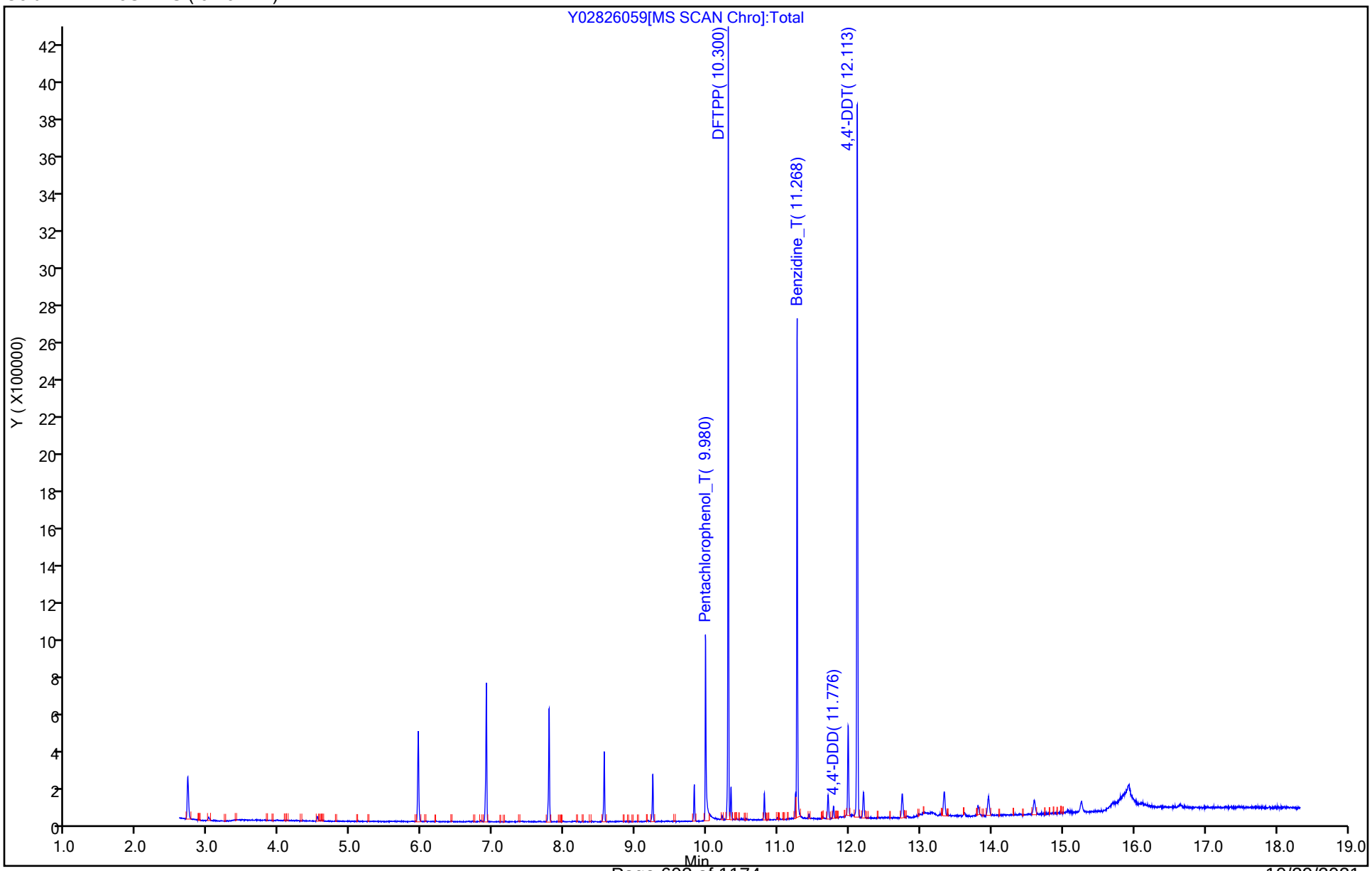
Report Date: 27-Oct-2021 12:31:38 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y02826059.D

Injection Date:	25-Oct-2021 10:55:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	DFTPP			Worklist Smp#:	2
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Breakdown Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y02826059.D
Injection Date: 25-Oct-2021 10:55:30 Instrument ID: HP5973Y
Lims ID: DFTPP
Client ID:
Operator ID: JM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL

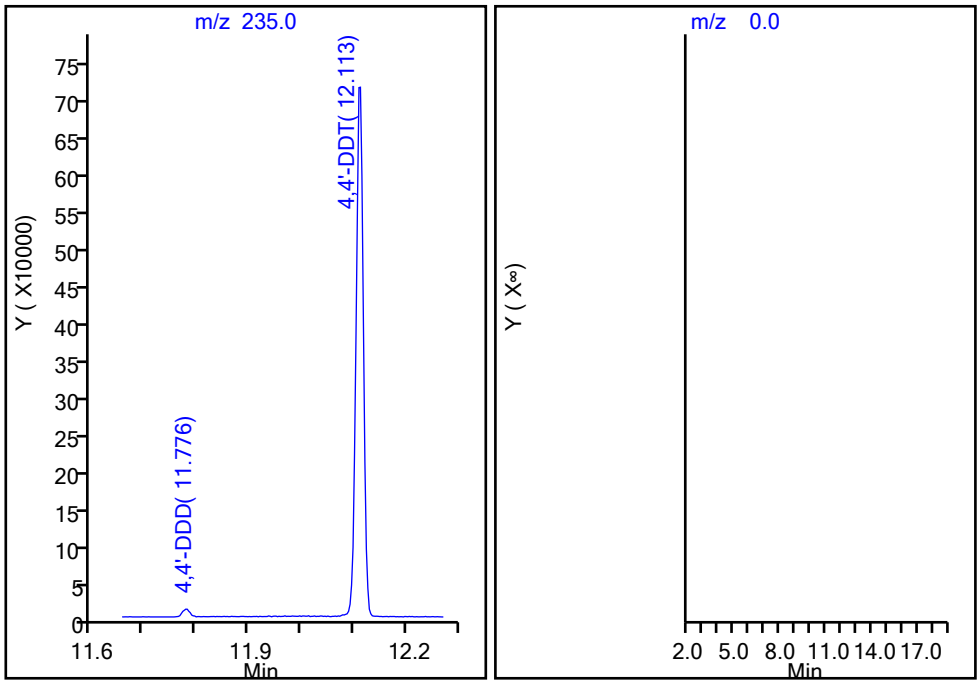
255 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

255 4,4'-DDT, Area = 703203
254 4,4'-DDD, Area = 10921
253 4,4'-DDE, Area = 0

%Breakdown: 1.53%, <= 20.00%
Passed



Peak Tailing Report

Eurofins TestAmerica, Buffalo

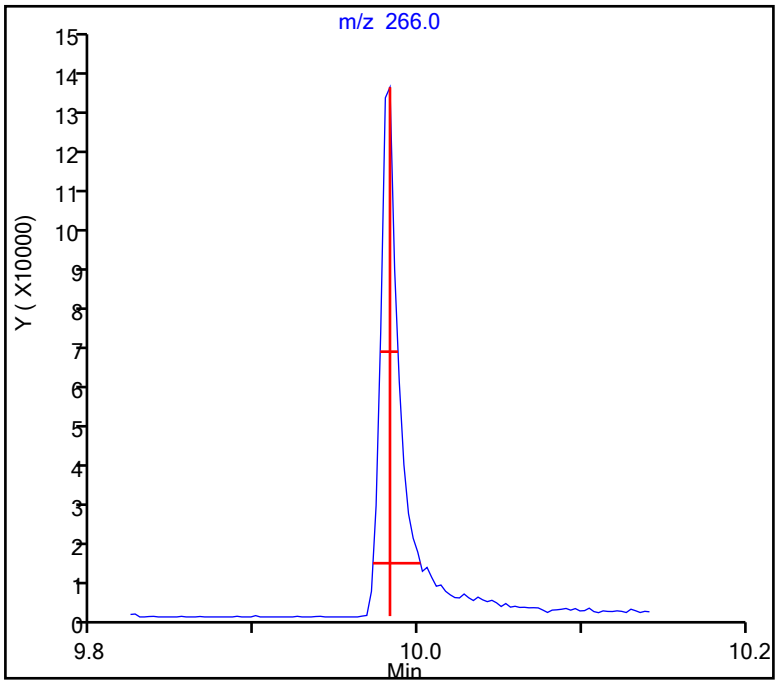
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y02826059.D
Injection Date: 25-Oct-2021 10:55:30 Instrument ID: HP5973Y
Lims ID: DFTPP
Client ID:
Operator ID: JM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL

250 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.019 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.90, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins TestAmerica, Buffalo

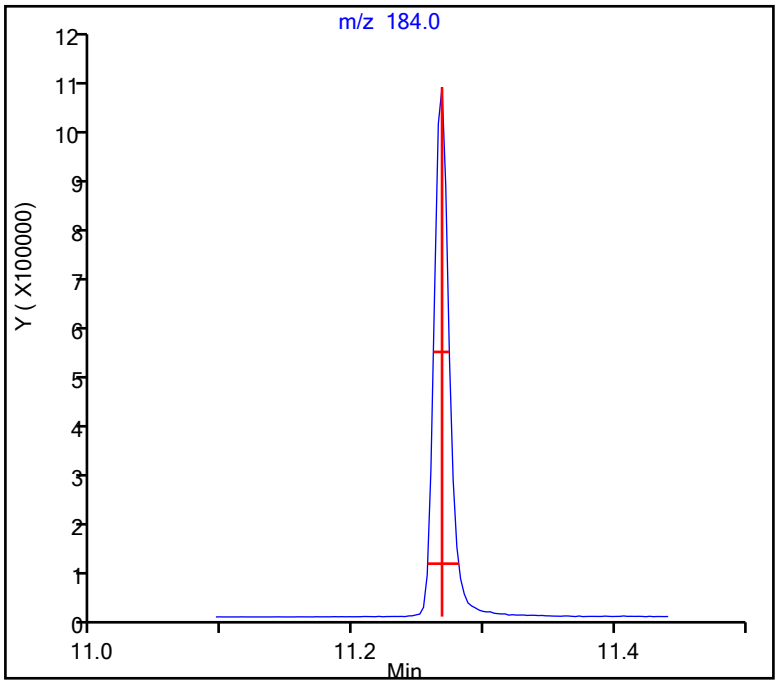
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y02826059.D
Injection Date: 25-Oct-2021 10:55:30 Instrument ID: HP5973Y
Lims ID: DFTPP
Client ID:
Operator ID: JM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL

252 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.013 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.18, Max. Tailing <= 2.00
Passed



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211026-101924.b\Y02826117.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 26-Oct-2021 16:23:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Operator ID: JM Instrument ID: HP5973Y

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211026-101924.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 27-Oct-2021 14:45:20 Calib Date: 12-Oct-2021 15:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211012-101584.b\Y02825651.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1684

First Level Reviewer: schickr Date: 26-Oct-2021 17:51:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
250 Pentachlorophenol_T	266	9.981	9.981	0.000	94	176191	NR	NR	
251 DFTPP									
252 Benzidine_T	184	11.266	11.266	0.000	99	909950	NR	NR	
254 4,4'-DDD	235	11.777	11.777	0.000	94	5855		NR	
255 4,4'-DDT	235	12.112	12.112	0.000	99	816141	NR	NR	
253 4,4'-DDE	246	12.112	12.112	0.000	54	47952		NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

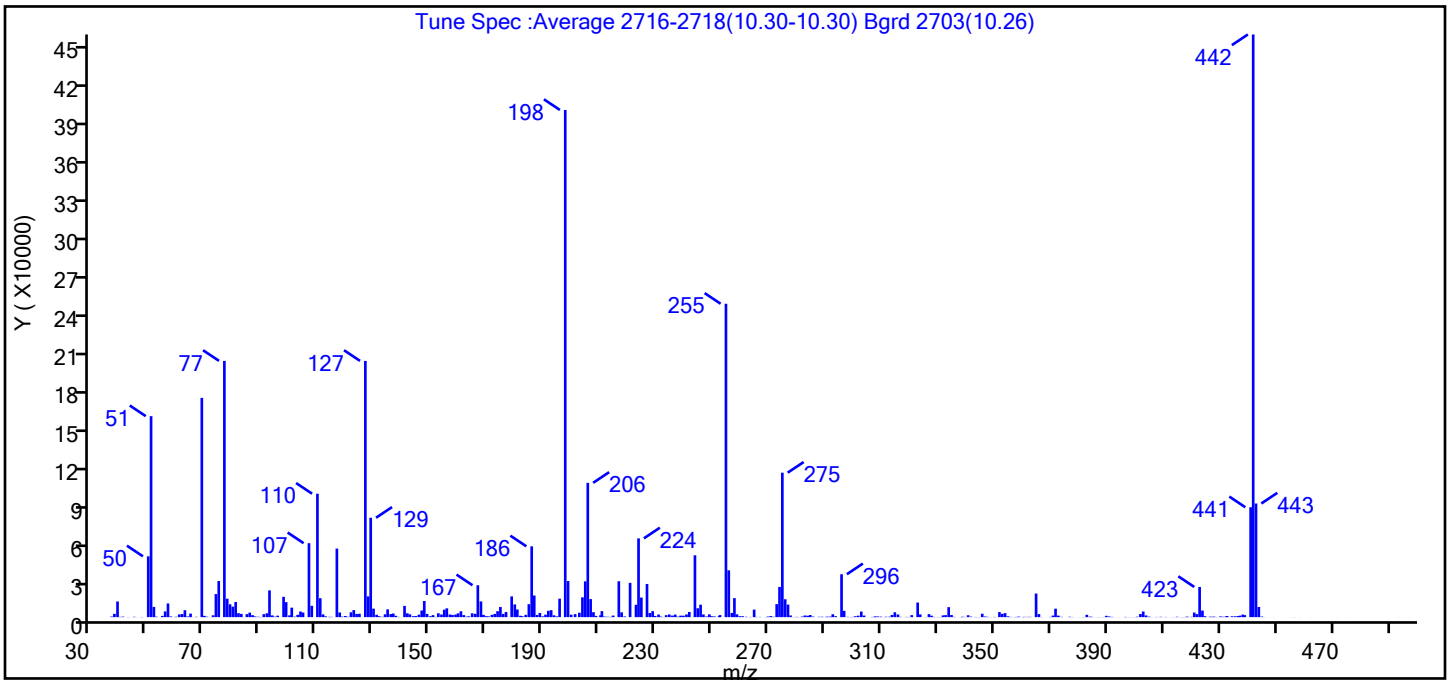
MB_DFTPP_WRK_00399 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211026-101924.b\Y02826117.D
Injection Date: 26-Oct-2021 16:23:30 Instrument ID: HP5973Y
Lims ID: DFTPP
Client ID:
Operator ID: JM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Tune Method: DFTPP Method 8270D, BP 198

251 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (87.0)
51	10-80% of the base peak	39.6
68	<2% of mass 69	0.0 (0.0)
69	Present	43.2
70	<2% of mass 69	0.3 (0.6)
127	10-80% of the base peak	50.5
197	<2% of mass 198	0.0
199	5-9% of mass 198	7.1
275	10-60% of the base peak	28.5
365	>1% of mass 198	4.7
441	present but <24% of mass 442	21.7 (18.9)
442	base peak, or >50% of 198	114.9
443	15-24% of mass 442	22.4 (19.5)

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211026-101924.b\Y02826117.D\Y-LVI-8270.rslt\spectra.d
Injection Date: 26-Oct-2021 16:23:30
Spectrum: Tune Spec :Average 2716-2718(10.30-10.30) Bgrd 2703(10.26)
Base Peak: 441.90
Minimum % Base Peak: 0
Number of Points: 379

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	452	145.00	871	248.00	522	353.00	2584
38.00	2585	146.00	1905	249.00	2180	354.00	3135
39.00	12216	147.00	5187	250.00	731	355.00	641
40.00	199	148.00	12598	251.00	560	356.00	214
41.00	429	149.00	2521	252.00	922	357.00	128
43.00	117	150.00	750	253.00	1602	358.00	196
45.00	284	151.00	1561	255.00	244672	359.00	409
46.00	52	152.00	178	256.00	36560	360.00	127
48.00	125	153.00	3037	257.00	3306	361.00	232
50.00	47480	154.00	2052	258.00	14857	362.00	219
51.00	156928	155.00	5833	259.00	2215	363.00	238
52.00	7986	156.00	6885	260.00	743	365.00	18440
53.00	374	157.00	2052	261.00	722	366.00	2370
55.00	979	158.00	1711	262.00	301	367.00	81
56.00	4469	159.00	2046	264.00	169	370.00	174
57.00	10703	160.00	2947	265.00	5894	371.00	1221
58.00	546	161.00	4627	266.00	148	372.00	6602
59.00	28	162.00	1607	267.00	193	373.00	1197
60.00	323	163.00	374	269.00	87	374.00	225
61.00	2114	164.00	618	270.00	462	377.00	298
62.00	2402	165.00	3003	271.00	831	378.00	145
63.00	5430	166.00	2567	272.00	259	380.00	69
64.00	526	167.00	24904	273.00	10152	382.00	52
65.00	2777	168.00	12280	274.00	23584	382.00	104
66.00	62	169.00	1821	275.00	112784	383.00	1840
67.00	263	170.00	740	276.00	13977	384.00	410
69.00	171200	171.00	585	277.00	9803	385.00	234
70.00	1010	172.00	1785	278.00	1323	386.00	36
71.00	345	173.00	2525	279.00	109	387.00	109
72.00	76	174.00	4652	280.00	222	388.00	97
73.00	1461	175.00	7940	281.00	73	390.00	1053
74.00	18000	176.00	2500	282.00	469	391.00	548
75.00	28200	177.00	4022	283.00	1306	392.00	216

Report Date: 27-Oct-2021 14:45:20 Chrom Revision: 2.3 22-Sep-2021 15:38:46
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211026-101924.b\Y02826117.D\Y-LVI-8270.rslt\spectra.d
Injection Date: 26-Oct-2021 16:23:30
Spectrum: Tune Spec :Average 2716-2718(10.30-10.30) Bgrd 2703(10.26)
Base Peak: 441.90
Minimum % Base Peak: 0
Number of Points: 379

m/z	Y	m/z	Y	m/z	Y	m/z	Y
77.00	200064	179.00	16181	284.00	1094	393.00	48
78.00	14383	180.00	9954	285.00	1678	394.00	39
79.00	10056	181.00	5986	286.00	446	396.00	58
80.00	8186	182.00	1091	288.00	278	397.00	177
81.00	11810	183.00	690	289.00	323	398.00	97
82.00	3074	184.00	1805	290.00	294	399.00	63
83.00	2558	185.00	10108	291.00	332	400.00	99
84.00	53	186.00	55280	292.00	413	401.00	343
85.00	2378	187.00	16880	293.00	2257	402.00	2452
86.00	3528	188.00	1709	294.00	769	403.00	4375
87.00	1527	189.00	3267	296.00	33504	404.00	1319
88.00	558	190.00	593	297.00	4930	405.00	406
89.00	280	191.00	1938	298.00	237	406.00	45
90.00	131	192.00	4945	299.00	104	407.00	45
91.00	2341	193.00	5434	300.00	205	408.00	150
92.00	3006	194.00	1445	301.00	711	409.00	255
93.00	20920	195.00	608	302.00	1155	410.00	33
94.00	1331	196.00	14430	303.00	4371	411.00	166
95.00	355	198.00	395968	304.00	1242	412.00	40
96.00	1153	199.00	28200	307.00	150	413.00	47
98.00	15855	200.00	1914	308.00	267	414.00	46
99.00	11723	201.00	2379	308.00	520	415.00	302
100.00	1405	203.00	3457	309.00	531	416.00	100
101.00	7405	204.00	15477	310.00	391	417.00	116
102.00	338	205.00	27968	311.00	77	418.00	334
103.00	1815	206.00	104864	312.00	308	419.00	247
104.00	4396	207.00	14103	313.00	336	420.00	229
105.00	3604	208.00	3892	314.00	1733	421.00	3589
107.00	57736	209.00	978	315.00	3802	422.00	2348
108.00	8835	210.00	1477	316.00	2090	423.00	23568
110.00	96376	211.00	4688	317.00	224	424.00	5111
111.00	14783	212.00	475	319.00	178	425.00	744
112.00	2164	213.00	310	320.00	106	427.00	347
113.00	666	214.00	242	321.00	1560	427.00	250

Report Date: 27-Oct-2021 14:45:20 Chrom Revision: 2.3 22-Sep-2021 15:38:46
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211026-101924.b\Y02826117.D\Y-LVI-8270.rslt\spectra.d
Injection Date: 26-Oct-2021 16:23:30
Spectrum: Tune Spec :Average 2716-2718(10.30-10.30) Bgrd 2703(10.26)
Base Peak: 441.90
Minimum % Base Peak: 0
Number of Points: 379

m/z	Y	m/z	Y	m/z	Y	m/z	Y
114.00	229	215.00	1234	323.00	11405	428.00	419
115.00	217	217.00	28016	324.00	2132	429.00	104
117.00	53536	218.00	3778	326.00	99	430.00	560
118.00	3629	219.00	544	327.00	2356	431.00	299
119.00	424	221.00	26768	328.00	1155	432.00	673
120.00	878	223.00	9652	329.00	223	433.00	816
121.00	280	224.00	61512	330.00	133	434.00	688
122.00	3785	225.00	15289	331.00	108	436.00	679
123.00	5496	227.00	25904	332.00	1374	436.00	858
124.00	2493	228.00	3218	333.00	1592	437.00	1143
125.00	2654	229.00	4670	334.00	7804	438.00	2003
127.00	200064	230.00	933	335.00	1658	439.00	1575
128.00	16180	231.00	2035	336.00	233	441.00	85808
129.00	77600	232.00	436	338.00	15	442.00	454912
130.00	6643	233.00	114	338.00	81	443.00	88720
131.00	1865	234.00	1560	339.00	342	444.00	7918
132.00	748	235.00	2092	340.00	86	445.00	448
133.00	250	236.00	1226	341.00	1486	446.00	59
134.00	2188	237.00	2026	342.00	395	449.00	36
135.00	6089	238.00	388	343.00	177	456.00	40
136.00	2383	239.00	1174	344.00	48	457.00	35
137.00	2834	240.00	1150	345.00	87	459.00	41
138.00	1067	241.00	2082	346.00	2643	462.00	36
139.00	187	242.00	3992	347.00	511	472.00	35
141.00	8788	244.00	48320	348.00	237	476.00	36
142.00	3020	245.00	6961	349.00	76	493.00	53
143.00	2178	246.00	9710	350.00	185	497.00	39
144.00	759	247.00	2102	352.00	3932		

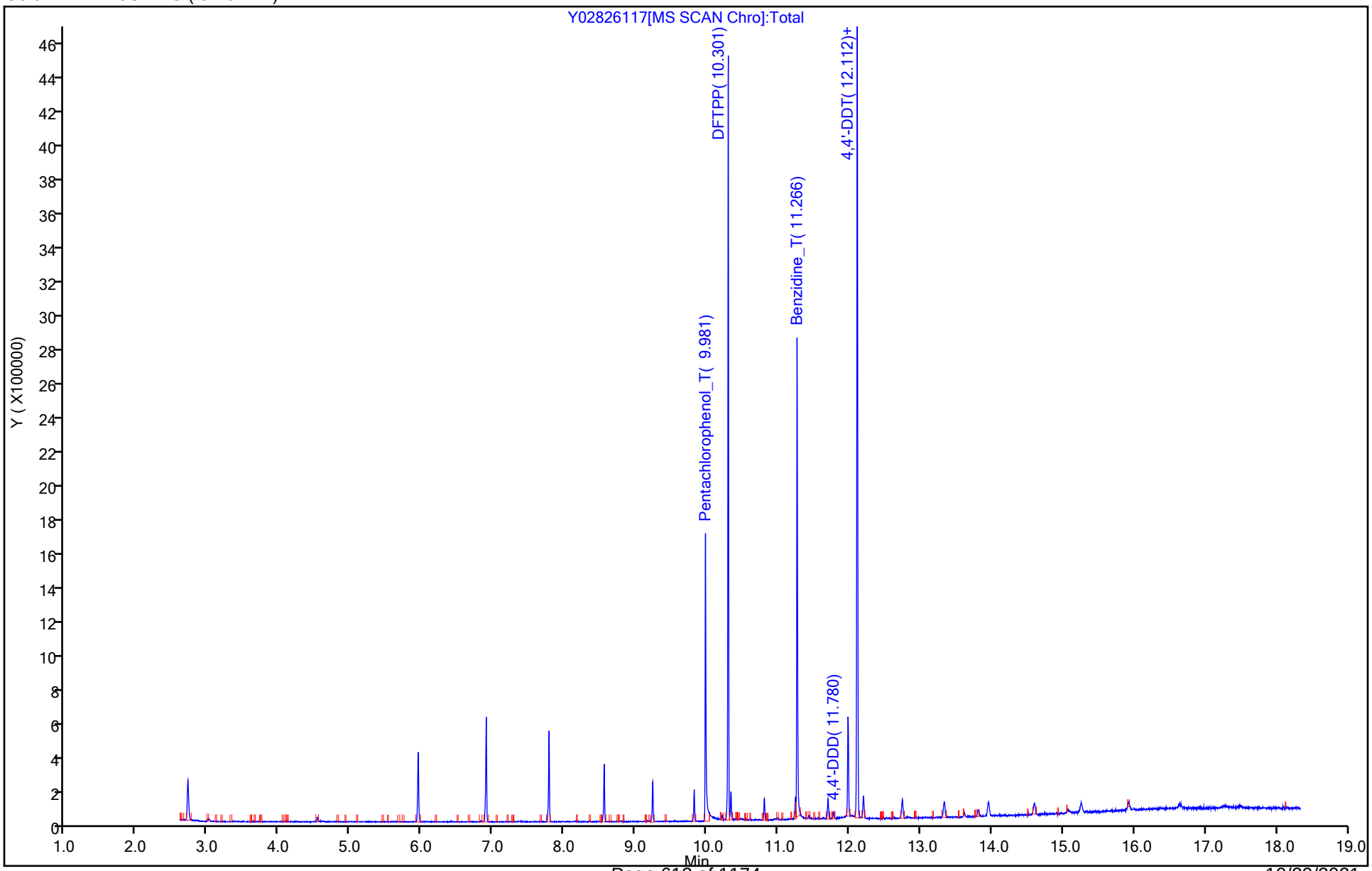
Report Date: 27-Oct-2021 14:45:20 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211026-101924.b\Y02826117.D

Injection Date:	26-Oct-2021 16:23:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	DFTPP			Worklist Smp#:	2
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)

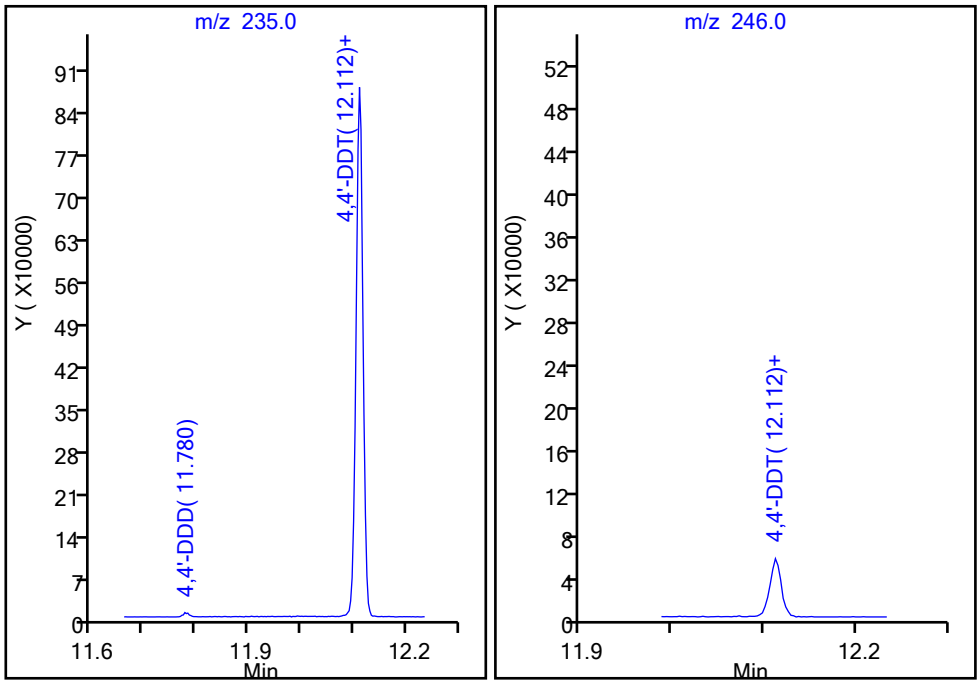


Breakdown Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211026-101924.b\Y02826117.D
Injection Date: 26-Oct-2021 16:23:30 Instrument ID: HP5973Y
Lims ID: DFTPP
Client ID:
Operator ID: JM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL

255 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

255 4,4'-DDT, Area = 816141
254 4,4'-DDD, Area = 5855
253 4,4'-DDE, Area = 47952

%Breakdown: 6.19%, <= 20.00%
Passed

Peak Tailing Report

Eurofins TestAmerica, Buffalo

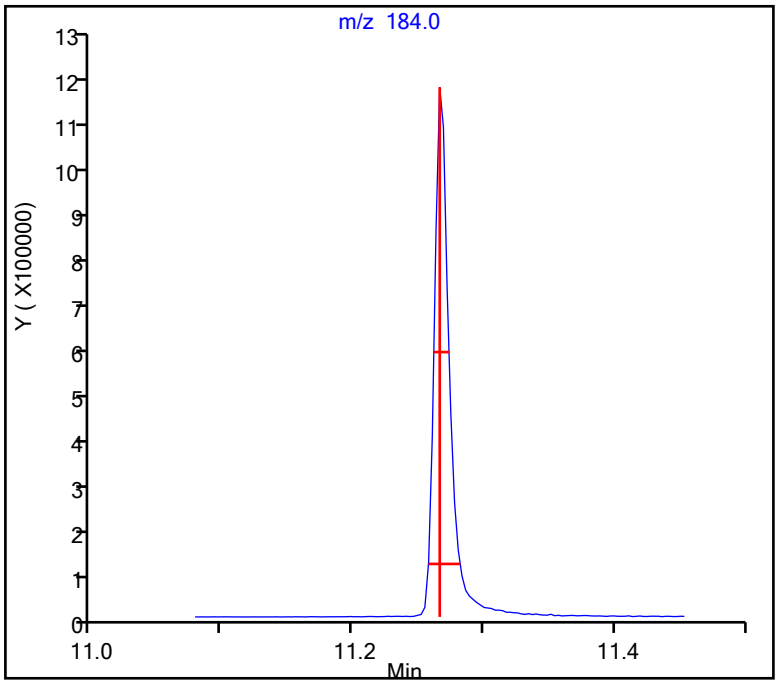
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211026-101924.b\Y02826117.D
Injection Date: 26-Oct-2021 16:23:30 Instrument ID: HP5973Y
Lims ID: DFTPP
Client ID:
Operator ID: JM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL

252 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.016 (min.)
Front Width = 0.009 (min.)

Tailing Factor = 1.78, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins TestAmerica, Buffalo

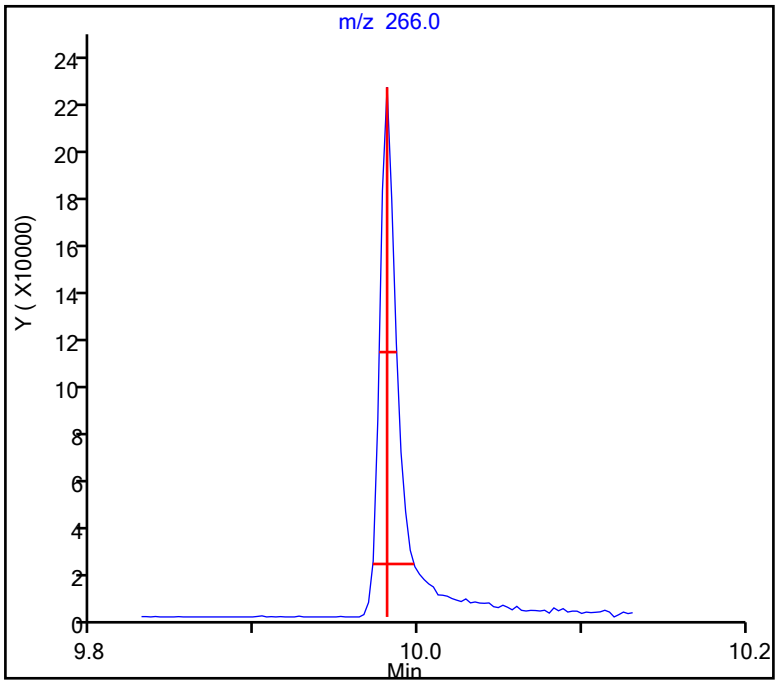
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211026-101924.b\Y02826117.D
Injection Date: 26-Oct-2021 16:23:30 Instrument ID: HP5973Y
Lims ID: DFTPP
Client ID:
Operator ID: JM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL

250 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.017 (min.)
Front Width = 0.009 (min.)

Tailing Factor = 1.89, Max. Tailing <= 2.00
Passed



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-601482/1-A

Matrix: Water Lab File ID: Y02825998.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 10/21/2021 14:44

Sample wt/vol: 250(mL) Date Analyzed: 10/22/2021 15:01

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 2(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 601587 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	ND		5.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	79		46-120
1718-51-0	p-Terphenyl-d14 (Surr)	112		60-148
4165-62-2	Phenol-d5 (Surr)	47		22-120
367-12-4	2-Fluorophenol (Surr)	62		35-120
118-79-6	2,4,6-Tribromophenol (Surr)	80		41-120
321-60-8	2-Fluorobiphenyl (Surr)	101		48-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211022-101850.b\Y02825998.D
Lims ID: MB 480-601482/1-A
Client ID:
Sample Type: MB
Inject. Date: 22-Oct-2021 15:01:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 480-0101850-009
Operator ID: JM Instrument ID: HP5973Y

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211022-101850.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 22-Oct-2021 16:36:34 Calib Date: 12-Oct-2021 15:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211012-101584.b\Y02825651.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1677

First Level Reviewer: marshallj Date: 22-Oct-2021 15:42:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.318	6.319	-0.001	95	207972	4.00	4.00	
* 2 Naphthalene-d8	136	7.407	7.409	-0.002	99	775609	4.00	4.00	
* 3 Acenaphthene-d10	164	8.894	8.896	-0.002	94	431760	4.00	4.00	
* 4 Phenanthrene-d10	188	10.157	10.159	-0.002	95	731706	4.00	4.00	
* 5 Chrysene-d12	240	12.799	12.798	0.001	96	614867	4.00	4.00	
* 6 Perylene-d12	264	15.003	15.005	-0.002	97	633903	4.00	4.00	
$ 7 2-Fluorophenol	112	5.191	5.172	0.019	91	306054	8.00	4.97	
$ 8 Phenol-d5	99	5.997	5.995	0.002	0	294662	8.00	3.76	
$ 9 Nitrobenzene-d5	82	6.789	6.792	-0.003	87	496911	8.00	6.31	
$ 10 2-Fluorobiphenyl	172	8.298	8.302	-0.004	99	1119513	8.00	8.09	
$ 11 2,4,6-Tribromophenol	330	9.558	9.559	-0.001	93	138225	8.00	6.40	
$ 12 p-Terphenyl-d14	244	11.510	11.511	-0.001	96	1368338	8.00	8.93	
237 Lidocaine	1		0.195					ND	
13 1,4-Dioxane	88		3.194					ND	
14 N-Nitrosodimethylamine	42		3.665					ND	
15 Pyridine	52		3.702					ND	
19 2-Picoline	93		4.580					ND	
18 1-Methylcyclopentanol	71		4.617					ND	
20 N-Nitrosomethylethylamine	88		4.699					ND	
22 Methyl methanesulfonate	80		4.994					ND	
24 Acrylamide	71		4.997					ND	
21 2-Chlorobenzotrifluoride	180		5.167					ND	
23 4-Chlorobenzotrifluoride	180		5.237					ND	
25 n,n'-Dimethylacetamide	87		5.306					ND	
28 N-Nitrosodiethylamine	102		5.369					ND	
26 4-Chloropyridine	78	5.475	5.473	0.000	0	29			NC
196 CBF-400	214		5.530					ND	
27 3-Chloropyridine	78		5.564					ND	
30 Ethyl methanesulfonate	79		5.633					ND	
29 3-Chlorobenzotrifluoride	180		5.637					ND	
31 2-Chloropyridine	78		5.922					ND	
35 Benzaldehyde	77		5.941					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
257 CBF-500	161	5.957	5.942	0.013	0	45		0.000866	
37 Phenol	94		6.006					ND	
36 Aniline	93		6.032					ND	
39 Bis(2-chloroethyl)ether	93		6.072					ND	
38 Pentachloroethane	167		6.075					ND	
32 2-Chlorotoluene	91		6.081					ND	
33 3-Chlorotoluene	91		6.102					ND	
34 4-Chlorotoluene	91		6.134					ND	
40 2-Chlorophenol	128		6.145					ND	
41 n-Decane	57	6.153	6.154	-0.001	92	5479		0.0766	
43 1,3-Dichlorobenzene	146		6.270					ND	
44 1,4-Dichlorobenzene	146		6.333					ND	
42 p-Fluoroaniline	111		6.408					ND	
45 Benzyl alcohol	108		6.429					ND	
46 1,2-Dichlorobenzene	146		6.469					ND	
48 2-Methylphenol	108		6.520					ND	
49 2,2'-oxybis[1-chloropropane]	45		6.531					ND	
47 Indene	115		6.546					ND	
50 N-Nitrosopyrrolidine	100		6.632					ND	
53 N-Nitrosodi-n-propylamine	70		6.642					ND	
57 4-Methylphenol	108		6.648					ND	
52 Acetophenone	105		6.656					ND	
54 N-Nitrosomorpholine	56		6.657					ND	
56 2-Toluidine	106		6.688					ND	
55 4-Methylbenzenamine	106		6.691					ND	
58 Hexachloroethane	117		6.758					ND	
59 Nitrobenzene	77		6.809					ND	
51 N-Methylaniline	106		6.855					ND	
61 N-Nitrosopiperidine	114		6.927					ND	
62 Isophorone	82		7.000					ND	
63 2-Chloroaniline	127		7.046					ND	
60 2,6-Dichloropyridine	112		7.071					ND	
64 2-Nitrophenol	139		7.079					ND	
66 2,4-Dimethylphenol	107		7.093					ND	
68 o,o',o''-Triethylphosphorothioat	198		7.131					ND	
67 Tetraethyl lead	237		7.134					ND	
69 Bis(2-chloroethoxy)methane	93		7.161					ND	
70 Benzoic acid	105		7.204					ND	
71 alpha,alpha-Dimethyl phenethylam	58		7.256					ND	
65 Benzeneacetonitrile	117		7.282					ND	
72 2,4-Dichlorophenol	162		7.286					ND	
73 1,2,4-Trichlorobenzene	180		7.354					ND	
282 2,4-Dichlorotoluene	125		7.383					ND	
75 Alpha-Terpineol	59		7.406					ND	
287 1,3,5-Trichlorobenzene	180		7.416					ND	
74 Naphthalene	128		7.428					ND	
76 4-Chloroaniline	127		7.459					ND	
77 2,6-Dichlorophenol	162		7.471					ND	
78 Hexachloropropene	213		7.500					ND	
79 Hexachlorobutadiene	225		7.519					ND	
286 4-Chlorophenol	128		7.691					ND	
81 Quinoline	129		7.707					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
82 N-Nitrosodi-n-butylamine	84		7.716					ND	
83 p-Phenylene diamine	108		7.750					ND	
84 Caprolactam	113		7.754					ND	
80 Benzeneacetic acid (TIC)	91		7.827					ND	
85 4-Chloro-3-methylphenol	107		7.857					ND	
86 Safrole, Total	162		7.911					ND	
87 2-Methylnaphthalene	142		8.010					ND	
88 Phthalic anhydride	104		8.051					ND	
89 1-Methylnaphthalene	142		8.095					ND	U
90 Hexachlorocyclopentadiene	237		8.140					ND	
91 1,2,4,5-Tetrachlorobenzene	216		8.152					ND	
275 Isosafrole Peak 1	162		8.158					ND	
93 2,4,6-Trichlorophenol	196		8.242					ND	
284 2,3-Dichlorobenzenamine	161	8.298	8.244	0.054	33	65		NC	
94 2,4,5-Trichlorophenol	196		8.282					ND	
281 2,4,5-Trichlorotoluene	159		8.296					ND	
198 NVF-400	82	8.298	8.308	-0.013	0	1934		0.0100	
258 CU-600	58	8.295	8.314	-0.021	0	872		0.004497	
95 Isosafrole	162		8.348					ND	
277 Isosafrole Peak 2	162		8.348					ND	
96 1,1'-Biphenyl	154		8.390					ND	
97 2-Chloronaphthalene	162		8.427					ND	
99 1-Chloronaphthalene	162		8.448					ND	
100 2-Nitroaniline	65		8.498					ND	
103 Dicyclohexylamine	138		8.556					ND	
102 1,4-Naphthoquinone	158		8.570					ND	
104 1,4-Dinitrobenzene	168		8.601					ND	
105 Dimethyl phthalate	163		8.620					ND	
106 1,3-Dinitrobenzene	168		8.671					ND	
107 2,6-Dinitrotoluene	165		8.685					ND	
285 1,2,3,4 -Tetrachlorobenzene	216		8.730					ND	
108 Acenaphthylene	152		8.782					ND	
109 3-Nitroaniline	138		8.841					ND	
110 Acenaphthene	153		8.923					ND	
111 2,4-Dinitrophenol	184		8.935					ND	
112 4-Nitrophenol	109		8.972					ND	
114 2,4-Dinitrotoluene	165		9.034					ND	
113 Pentachlorobenzene	250		9.038					ND	
115 Dibenzofuran	168		9.068					ND	
116 1-Naphthylamine	143		9.129					ND	
117 2,3,5,6-Tetrachlorophenol	232		9.131					ND	
118 2,3,4,6-Tetrachlorophenol	232		9.168					ND	
119 2-Naphthylamine	143		9.194					ND	
121 Hexadecane	57		9.196					ND	U
120 Diethyl phthalate	149		9.204					ND	
122 Thionazin	97		9.273					ND	
123 4-Chlorophenyl phenyl ether	204		9.326					ND	
125 N-Nitro-o-toluidine	152		9.350					ND	
128 Tributyl phosphate	99		9.356					ND	
124 Fluorene	166		9.358					ND	
126 4-Nitroaniline	138		9.358					ND	
127 4,6-Dinitro-2-methylphenol	198		9.389					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
130 N-Nitrosodiphenylamine	169		9.426					ND	
129 Diphenylamine	169		9.426					ND	
132 Azobenzene	77		9.468					ND	
131 1,2-Diphenylhydrazine	77		9.468					ND	
134 Sulfotepp	322		9.517					ND	
278 Diallate Peak 1	86		9.651					ND	
136 Diallate	86		9.651					ND	
135 1,3,5-Trinitrobenzene	213		9.656					ND	
137 Phorate	75		9.659					ND	
138 Phenacetin	108		9.665					ND	
280 Diallate Peak 2	86		9.730					ND	
139 4-Bromophenyl phenyl ether	248		9.744					ND	
141 Dimethoate	87		9.810					ND	
142 Simazine	201		9.824					ND	
140 Hexachlorobenzene	284		9.834					ND	
143 Atrazine	200		9.849					ND	
144 4-Aminobiphenyl	169		9.966					ND	
148 n-Octadecane	57		9.968					ND	
147 Pronamide	173		9.986					ND	
145 Pentachlorophenol	266		9.993					ND	
146 Pentachloronitrobenzene	237		10.000					ND	
149 Disulfoton	88		10.096					ND	
150 Dinoseb	211		10.113					ND	
151 Phenanthrene	178	10.188	10.178	0.010	90	6298		0.0323	
152 Anthracene	178		10.223					ND	
153 Carbazole	167		10.342					ND	
154 Alachlor	160		10.417					ND	
155 Methyl parathion	109		10.425					ND	
157 Di-n-butyl phthalate	149	10.565	10.566	-0.001	98	8085		0.0366	
158 Ethyl Parathion	97		10.740					ND	
161 Methapyrilene	58		10.834					ND	
160 Anthraquinone	180		10.854					ND	
288 2-Methylanthracene	192	10.832	10.885	-0.053	1	33		NC	
162 Isodrin	193		11.050					ND	
159 4-Nitroquinoline-1-oxide	190		11.103					ND	
164 Fluoranthene	202	11.221	11.205	0.016	56	630		0.003174	
165 1-Hydroxyanthraquinone	224		11.237					ND	
166 Benzidine	184		11.279					ND	
167 Pyrene	202		11.426					ND	
276 Aramite Peak 1	185		11.441					ND	
168 Aramite, Total	185		11.512					ND	
279 Aramite Peak 2	185		11.512					ND	U
170 p-Dimethylamino azobenzene	120		11.648					ND	
171 Chlorobenzilate	251		11.671					ND	
169 1,4-Dihydroxyanthraquinone	240		11.705					ND	
241 5-Methyl-o-Anisidine	122		11.753					ND	
172 Famphur	218		11.932					ND	
175 9-Octadecenamide	59		11.966					ND	U
174 Butyl benzyl phthalate	149	11.979	11.980	-0.001	94	4046		0.1483	
173 3,3'-Dimethylbenzidine	212		12.006					ND	
176 Kepone	272		12.108					ND	
177 2-Acetylaminofluorene	181		12.327					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
181 Bis(2-ethylhexyl) phthalate	149	12.651	12.649	0.002	95	5645		0.1778	M
178 4,4'-Methylene bis(2-chloroanil	231		12.664					ND	
179 3,3'-Dichlorobenzidine	252		12.686					ND	
180 Benzo[a]anthracene	228		12.785					ND	
182 Chrysene	228		12.837					ND	U
183 6-Methylchrysene	242		13.462					ND	
184 Di-n-octyl phthalate	149		13.566					ND	
185 7,12-Dimethylbenz(a)anthracene	256		14.310					ND	
186 Benzo[b]fluoranthene	252		14.392					ND	
187 Benzo[k]fluoranthene	252		14.434					ND	
192 Hexachlorophene	196		14.639					ND	
189 Benzo[a]pyrene	252		14.931					ND	
283 Benzo[e]pyrene	252	15.381	15.335	0.046	1	92		NC	
190 3-Methylcholanthrene	268		15.448					ND	
191 Dibenz[a,h]acridine	279		16.373					ND	
194 Dibenz(a,h)anthracene	278		16.804					ND	
193 Indeno[1,2,3-cd]pyrene	276		16.849					ND	
195 Benzo[g,h,i]perylene	276		17.385					ND	
199 CAG-800	149		19.675					ND	
256 CN-500	112		19.994					ND	
197 Dibenzo[a,e]pyrene	302		21.642					ND	
295 4-Bromofluorobenzene TIC	1		0.000					ND	
294 3'-Bromoacetophenone TIC	1		0.000					ND	
291 1,4-Dibromobenzene TIC	1		0.000					ND	
302 1-Bromo-2-chloroethane TIC	1		0.000					ND	
303 Carbofuran	1		0.000					ND	
300 1-Bromo-4-ethylbenzene TIC	1		0.000					ND	
299 1-Bromo-3-fluorobenzene TIC	1		0.000					ND	
298 2-Bromopyridine TIC	1		0.000					ND	
297 Fluorobenzene TIC	1		0.000					ND	
301 3-Amino-4-Chlorobenzotrifluoride	1		0.000					ND	
293 3-Nitro-4-Chlorobenzotrifluoride	1		0.000					ND	
296 1,2-dichloro-4-(trifluoromethyl)	1		0.000					ND	
290 1,3-Dibromobenzene TIC	1		0.000					ND	
292 Ethylene Dibromide TIC	1		0.000					ND	
215 trans Azobenzene (TIC)	1		0.195					ND	
212 Hexamethyldisiloxane TIC	1		0.195					ND	
247 Benefin (TIC)	1		0.195					ND	
220 Tetramethyl lead TIC	1		0.195					ND	
206 2,4-Toluene diamine	1		0.195					ND	
219 Photomirex TIC	1		0.195					ND	
230 2,3-Dichlorophenol	1		0.195					ND	
218 3-Chlorobenzotrifluoride TIC	1		0.195					ND	
201 7H-Dibenzo[c,g]carbazole	1		0.195					ND	
244 Pendimethalin	1		0.195					ND	
205 Phenylmercaptan	110		0.195					ND	
227 Dibenz[a,j]acridine	279		0.195					ND	
240 Prometryn (TIC)	1		0.195					ND	
238 Phenylacetic Acid	1		0.195					ND	
210 Dibenzo[a,h]pyrene	1		0.195					ND	
211 Pendimethalin (TIC)	1		0.195					ND	
225 Dibenz(a,i)pyrene	1		0.195					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
224 1-Bromopropane	1		0.195					ND	
204 2,6-Dichlorotoluene TIC	1		0.195					ND	
222 2-Chlorobenzotrifluoride TIC	1		0.195					ND	
233 4-Chlorobenzotrifluoride TIC	1		0.195					ND	
254 4,4'-DDD	235		11.791					ND	
S 259 Chlorobenzotrifluoride N.O.S	1		0.195					ND	
S 261 Total Cresols	1		0.195					ND	
S 260 Chlorotoluene N.O.S	1		0.195					ND	
S 263 3-Methylphenol	1		0.195					ND	
S 262 3 & 4 Methylphenol	108		0.195					ND	
S 264 EPH Adjustment 1	1		0.195					ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated
U - Marked Undetected

Reagents:

MB_LLIS_WRK_00224 Amount Added: 20.00 Units: uL Run Reagent

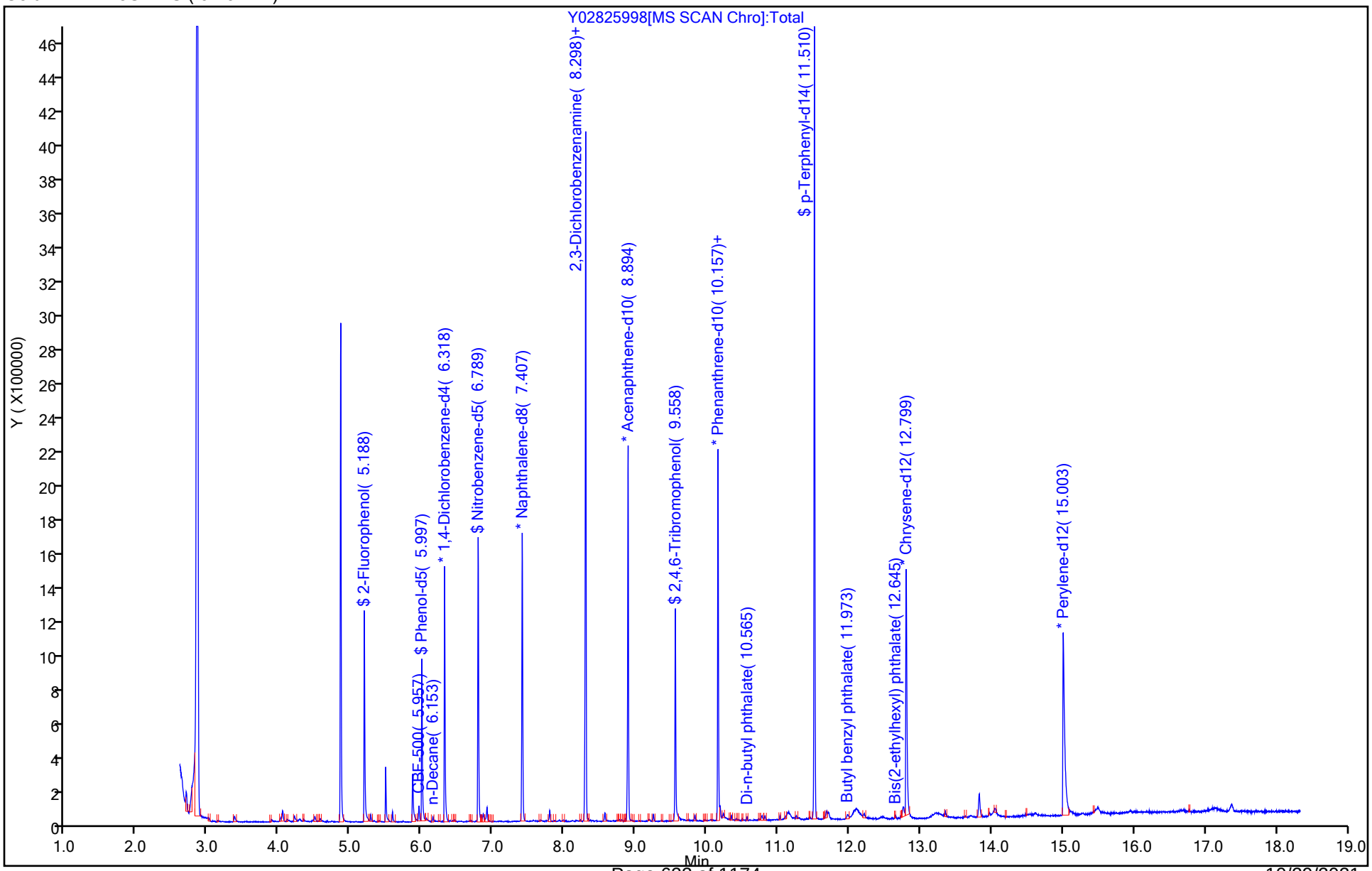
Report Date: 22-Oct-2021 16:36:37 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211022-101850.b\Y02825998.D

Injection Date:	22-Oct-2021 15:01:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	MB 480-601482/1-A			Worklist Smp#:	9
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-601482/2-A

Matrix: Water Lab File ID: Y02825999.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 10/21/2021 14:44

Sample wt/vol: 250(mL) Date Analyzed: 10/22/2021 15:28

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 2(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 601587 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	16.1		5.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	79		46-120
1718-51-0	p-Terphenyl-d14 (Surr)	99		60-148
4165-62-2	Phenol-d5 (Surr)	49		22-120
367-12-4	2-Fluorophenol (Surr)	63		35-120
118-79-6	2,4,6-Tribromophenol (Surr)	100		41-120
321-60-8	2-Fluorobiphenyl (Surr)	99		48-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211022-101850.b\Y02825999.D
Lims ID: LCS 480-601482/2-A
Client ID:
Sample Type: LCS
Inject. Date: 22-Oct-2021 15:28:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 480-0101850-010
Operator ID: JM Instrument ID: HP5973Y

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211022-101850.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 22-Oct-2021 16:36:34 Calib Date: 12-Oct-2021 15:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211012-101584.b\Y02825651.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1677

First Level Reviewer: marshallj Date: 22-Oct-2021 16:05:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.319	6.319	0.000	95	211825	4.00	4.00	
* 2 Naphthalene-d8	136	7.409	7.409	0.000	99	773721	4.00	4.00	
* 3 Acenaphthene-d10	164	8.896	8.896	0.000	94	437303	4.00	4.00	
* 4 Phenanthrene-d10	188	10.156	10.159	-0.003	95	760868	4.00	4.00	
* 5 Chrysene-d12	240	12.797	12.798	-0.001	96	627004	4.00	4.00	
* 6 Perylene-d12	264	15.008	15.005	0.003	97	658604	4.00	4.00	
$ 7 2-Fluorophenol	112	5.190	5.172	0.018	91	317208	8.00	5.06	
$ 8 Phenol-d5	99	6.001	5.995	0.006	0	315600	8.00	3.96	
$ 9 Nitrobenzene-d5	82	6.790	6.792	-0.002	87	499273	8.00	6.35	
$ 10 2-Fluorobiphenyl	172	8.300	8.302	-0.002	99	1104853	8.00	7.88	
$ 11 2,4,6-Tribromophenol	330	9.560	9.559	0.001	93	180197	8.00	7.99	
$ 12 p-Terphenyl-d14	244	11.509	11.511	-0.002	96	1233589	8.00	7.89	
13 1,4-Dioxane	88	3.277	3.194	0.083	92	110602	8.00	4.29	a
14 N-Nitrosodimethylamine	42	3.717	3.665	0.052	92	161579	8.00	4.71	
15 Pyridine	52	3.760	3.702	0.058	97	231088	16.0	5.88	a
35 Benzaldehyde	77	5.942	5.941	0.001	97	733877	16.0	14.7	
37 Phenol	94	6.010	6.006	0.004	96	341156	8.00	4.03	
36 Aniline	93	6.035	6.032	0.003	98	543847	8.00	5.61	
39 Bis(2-chloroethyl)ether	93	6.069	6.072	-0.003	95	445463	8.00	6.77	
40 2-Chlorophenol	128	6.149	6.145	0.004	96	459043	8.00	6.83	
41 n-Decane	57	6.155	6.154	0.001	91	359586	8.00	4.93	
43 1,3-Dichlorobenzene	146	6.274	6.270	0.004	98	488478	8.00	6.28	
44 1,4-Dichlorobenzene	146	6.333	6.333	0.000	95	498912	8.00	6.31	
45 Benzyl alcohol	108	6.430	6.429	0.001	94	288473	8.00	6.73	
46 1,2-Dichlorobenzene	146	6.470	6.469	0.001	98	478632	8.00	6.52	
48 2-Methylphenol	108	6.521	6.520	0.001	94	419831	8.00	6.73	
49 2,2'-oxybis[1-chloropropane]	45	6.529	6.531	-0.002	94	645329	8.00	6.58	
47 Indene	115	6.546	6.546	0.000	90	6313827	64.0	54.3	
53 N-Nitrosodi-n-propylamine	70	6.643	6.642	0.001	88	337214	8.00	7.16	
57 4-Methylphenol	108	6.648	6.648	0.000	94	428318	8.00	6.59	
52 Acetophenone	105	6.654	6.656	-0.002	95	633775	8.00	7.01	
58 Hexachloroethane	117	6.759	6.758	0.001	95	194323	8.00	6.24	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
59 Nitrobenzene	77	6.807	6.809	-0.002	86	467936	8.00	6.60	
62 Isophorone	82	7.000	7.000	0.000	99	866020	8.00	6.96	
64 2-Nitrophenol	139	7.080	7.079	0.001	91	255071	8.00	7.22	
66 2,4-Dimethylphenol	107	7.094	7.093	0.001	96	468813	8.00	6.97	
69 Bis(2-chloroethoxy)methane	93	7.162	7.161	0.001	99	557293	8.00	7.39	
70 Benzoic acid	105	7.210	7.204	0.006	88	488757	64.0	24.0	
72 2,4-Dichlorophenol	162	7.284	7.286	-0.002	92	403051	8.00	7.47	
73 1,2,4-Trichlorobenzene	180	7.355	7.354	0.001	94	390036	8.00	6.51	
74 Naphthalene	128	7.429	7.428	0.001	97	1348047	8.00	6.77	
76 4-Chloroaniline	127	7.460	7.459	0.001	97	563481	8.00	7.41	
77 2,6-Dichlorophenol	162	7.471	7.471	0.000	97	399281	8.00	7.45	
79 Hexachlorobutadiene	225	7.519	7.519	0.000	96	233735	8.00	6.49	
84 Caprolactam	113	7.749	7.754	-0.005	79	107762	16.0	5.89	
85 4-Chloro-3-methylphenol	107	7.857	7.857	0.000	95	388358	8.00	7.31	
87 2-Methylnaphthalene	142	8.008	8.010	-0.002	91	934548	8.00	6.98	
89 1-Methylnaphthalene	142	8.093	8.095	-0.002	92	865483	8.00	6.98	
90 Hexachlorocyclopentadiene	237	8.138	8.140	-0.002	91	27279	8.00	2.16	
91 1,2,4,5-Tetrachlorobenzene	216	8.152	8.152	0.000	97	431039	8.00	6.79	
93 2,4,6-Trichlorophenol	196	8.240	8.242	-0.002	92	281920	8.00	7.44	
94 2,4,5-Trichlorophenol	196	8.280	8.282	-0.002	95	306547	8.00	7.89	
96 1,1'-Biphenyl	154	8.391	8.390	0.001	98	1116481	8.00	7.27	
97 2-Chloronaphthalene	162	8.425	8.427	-0.002	96	883346	8.00	7.26	
100 2-Nitroaniline	65	8.498	8.498	0.000	89	241257	8.00	6.87	
105 Dimethyl phthalate	163	8.620	8.620	0.000	99	1066670	8.00	8.18	
106 1,3-Dinitrobenzene	168	8.672	8.671	0.001	86	164898	8.00	7.79	
107 2,6-Dinitrotoluene	165	8.686	8.685	0.001	94	244364	8.00	8.10	
108 Acenaphthylene	152	8.782	8.782	0.000	98	1443649	8.00	7.61	
109 3-Nitroaniline	138	8.842	8.841	0.001	97	248512	8.00	7.37	
110 Acenaphthene	153	8.924	8.923	0.001	97	947244	8.00	7.51	
111 2,4-Dinitrophenol	184	8.933	8.935	-0.002	86	181037	16.0	13.4	
112 4-Nitrophenol	109	8.972	8.972	0.000	86	155459	16.0	10.1	
114 2,4-Dinitrotoluene	165	9.035	9.034	0.001	95	318777	8.00	8.08	
115 Dibenzofuran	168	9.069	9.068	0.001	96	1263047	8.00	7.30	
118 2,3,4,6-Tetrachlorophenol	232	9.168	9.168	0.000	71	228188	8.00	7.59	
121 Hexadecane	57	9.196	9.196	0.000	95	484900	8.00	5.72	
120 Diethyl phthalate	149	9.205	9.204	0.001	98	1090651	8.00	8.20	
123 4-Chlorophenyl phenyl ether	204	9.327	9.326	0.001	91	503315	8.00	7.46	
124 Fluorene	166	9.358	9.358	0.000	95	1032027	8.00	7.63	
126 4-Nitroaniline	138	9.361	9.358	0.003	92	281143	8.00	8.09	
127 4,6-Dinitro-2-methylphenol	198	9.389	9.389	0.000	90	305694	16.0	15.6	
130 N-Nitrosodiphenylamine	169	9.426	9.426	0.000	79	722615	8.00	7.19	
129 Diphenylamine	169	9.426	9.426	0.000	91	722615	6.84	6.15	
132 Azobenzene	77	9.466	9.468	-0.002	98	1067787	8.00	7.33	
131 1,2-Diphenylhydrazine	77	9.466	9.468	-0.002	41	1067787	8.00	7.33	
139 4-Bromophenyl phenyl ether	248	9.744	9.744	0.000	66	311012	8.00	7.39	
140 Hexachlorobenzene	284	9.832	9.834	-0.002	95	364610	8.00	7.30	
143 Atrazine	200	9.852	9.849	0.003	92	601711	16.0	17.2	
148 n-Octadecane	57	9.965	9.968	-0.003	94	528339	8.00	5.95	
145 Pentachlorophenol	266	9.991	9.993	-0.002	94	277343	16.0	14.1	
151 Phenanthrene	178	10.178	10.178	0.000	98	1545244	8.00	7.63	
152 Anthracene	178	10.224	10.223	0.001	97	1475659	8.00	7.52	
153 Carbazole	167	10.343	10.342	0.001	96	1364477	8.00	7.68	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
157 Di-n-butyl phthalate	149	10.567	10.566	0.001	100	1818341	8.00	7.91	
164 Fluoranthene	202	11.203	11.205	-0.002	99	1606945	8.00	7.78	
166 Benzidine	184	11.279	11.279	0.000	99	330599	16.0	3.21	
167 Pyrene	202	11.424	11.426	-0.002	97	1635637	8.00	8.42	
174 Butyl benzyl phthalate	149	11.980	11.980	0.000	97	758380	8.00	8.04	
181 Bis(2-ethylhexyl) phthalate	149	12.650	12.649	0.001	96	1037007	8.00	7.66	
179 3,3'-Dichlorobenzidine	252	12.690	12.686	0.004	74	1141743	16.0	14.1	
180 Benzo[a]anthracene	228	12.783	12.785	-0.002	98	1499742	8.00	7.90	
182 Chrysene	228	12.834	12.837	-0.003	96	1435878	8.00	7.80	
184 Di-n-octyl phthalate	149	13.564	13.566	-0.002	99	1714619	8.00	7.37	
186 Benzo[b]fluoranthene	252	14.384	14.392	-0.008	98	1477739	8.00	7.68	
187 Benzo[k]fluoranthene	252	14.426	14.434	-0.008	97	1573239	8.00	7.98	
189 Benzo[a]pyrene	252	14.920	14.931	-0.011	79	1395085	8.00	7.36	M
194 Dibenz(a,h)anthracene	278	16.787	16.804	-0.017	94	1451251	8.00	7.50	
193 Indeno[1,2,3-cd]pyrene	276	16.830	16.849	-0.019	78	1663570	8.00	7.27	M
195 Benzo[g,h,i]perylene	276	17.357	17.385	-0.028	92	1372828	8.00	7.29	M
S 263 3-Methylphenol	1				0		8.00	6.59	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MB_LLIS_WRK_00224 Amount Added: 20.00 Units: uL Run Reagent

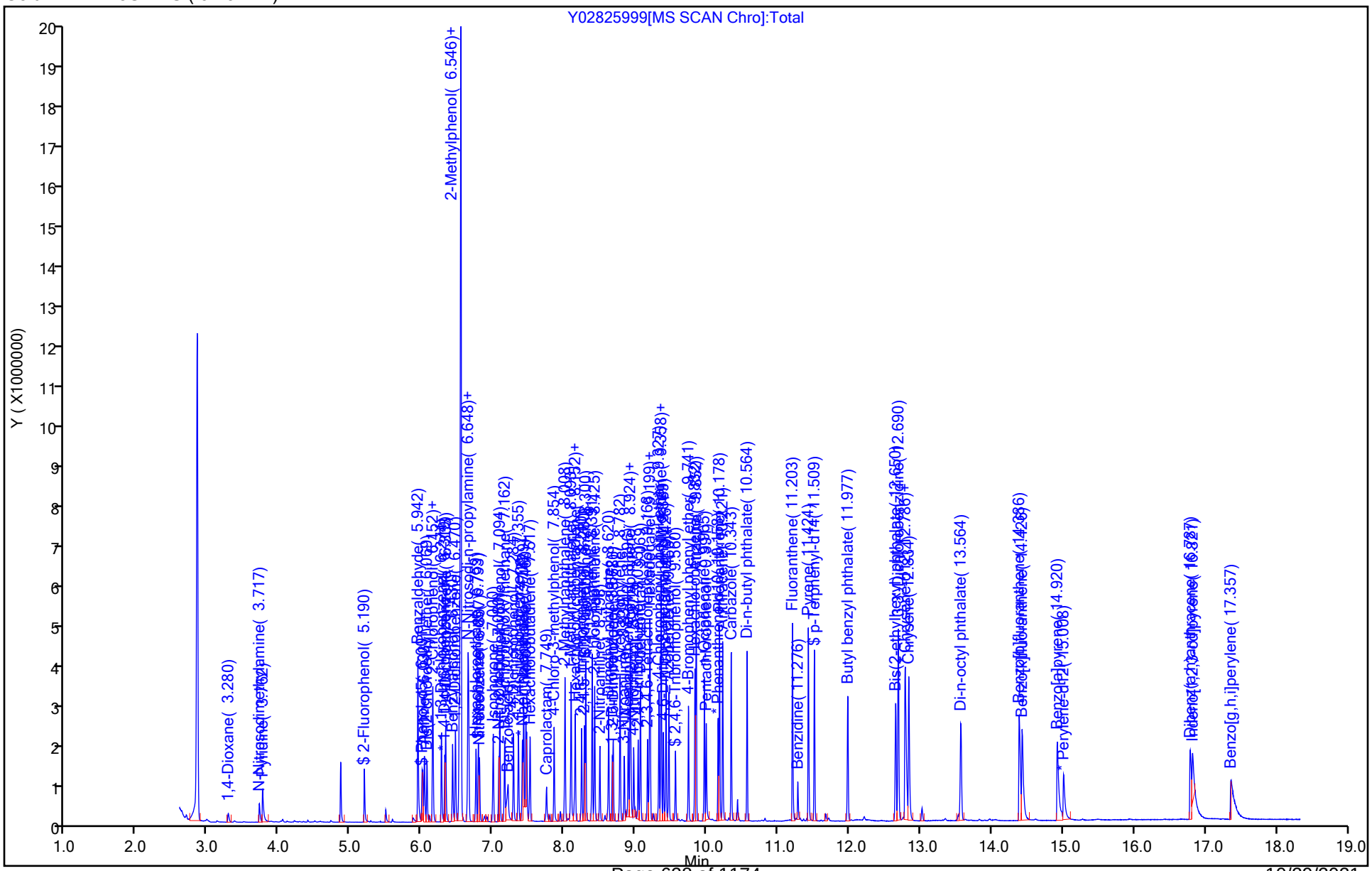
Report Date: 22-Oct-2021 16:36:39 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211022-101850.b\Y02825999.D

Injection Date:	22-Oct-2021 15:28:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	LCS 480-601482/2-A			Worklist Smp#:	10
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Client Sample ID: BOR-OW-10R-WG MS Lab Sample ID: 480-191204-8 MS

Matrix: Water Lab File ID: Y02826066.D

Analysis Method: 8270D Date Collected: 10/20/2021 13:15

Extract. Method: 3510C Date Extracted: 10/21/2021 14:44

Sample wt/vol: 50(mL) Date Analyzed: 10/25/2021 14:05

Con. Extract Vol.: 1(mL) Dilution Factor: 200

Injection Volume: 2(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 601851 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	22900		5000	390

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	246	S1+	46-120
1718-51-0	p-Terphenyl-d14 (Surr)	71		60-148
4165-62-2	Phenol-d5 (Surr)	49		22-120
367-12-4	2-Fluorophenol (Surr)	0	S1-	35-120
118-79-6	2,4,6-Tribromophenol (Surr)	472	S1+	41-120
321-60-8	2-Fluorobiphenyl (Surr)	92		48-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y02826066.D
Lims ID: 480-191204-A-8-A MS
Client ID: BOR-OW-10R-WG
Sample Type: MS
Inject. Date: 25-Oct-2021 14:05:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 2.0 ul Dil. Factor: 200.0000
Sample Info: 480-0101890-009
Operator ID: JM Instrument ID: HP5973Y

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 27-Oct-2021 12:31:41 Calib Date: 12-Oct-2021 15:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211012-101584.b\Y02825651.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1684

First Level Reviewer: marshallj Date: 27-Oct-2021 12:00:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.305	6.305	0.000	94	242109	4.00	4.00	
* 2 Naphthalene-d8	136	7.398	7.397	0.001	99	868267	4.00	4.00	
* 3 Acenaphthene-d10	164	8.885	8.884	0.001	92	500682	4.00	4.00	
* 4 Phenanthrene-d10	188	10.147	10.147	0.000	95	810837	4.00	4.00	
* 5 Chrysene-d12	240	12.783	12.786	-0.003	98	688893	4.00	4.00	
* 6 Perylene-d12	264	14.988	14.988	0.000	97	728830	4.00	4.00	
$ 7 2-Fluorophenol	112		5.161				ND	ND	
$ 8 Phenol-d5	99	5.985	5.984	0.001	0	1797	0.0400	0.0197	a
$ 9 Nitrobenzene-d5	82	6.802	6.782	0.020	75	2668	0.0400	0.0984	M
$ 10 2-Fluorobiphenyl	172	8.291	8.288	0.003	97	5892	0.0400	0.0367	
$ 11 2,4,6-Tribromophenol	330	9.554	9.548	0.006	0	470	0.0400	0.1886	a
$ 12 p-Terphenyl-d14	244	11.504	11.498	0.006	96	4892	0.0400	0.0285	
237 Lidocaine	1		0.195					ND	
13 1,4-Dioxane	88		3.181				ND	ND	
14 N-Nitrosodimethylamine	42		3.655				ND	ND	
15 Pyridine	52		3.689				ND	ND	
19 2-Picoline	93		4.580					ND	
18 1-Methylcyclopentanol	71		4.617					ND	
20 N-Nitrosomethylethylamine	88		4.699					ND	
22 Methyl methanesulfonate	80		4.994					ND	
24 Acrylamide	71		4.997					ND	U
21 2-Chlorobenzotrifluoride	180		5.167					ND	
23 4-Chlorobenzotrifluoride	180		5.237					ND	
25 n,n'-Dimethylacetamide	87		5.306					ND	
28 N-Nitrosodiethylamine	102		5.369					ND	
26 4-Chloropyridine	78		5.475					ND	
196 CBF-400	214		5.530					ND	
27 3-Chloropyridine	78		5.564					ND	
30 Ethyl methanesulfonate	79		5.633					ND	
29 3-Chlorobenzotrifluoride	180		5.637					ND	
31 2-Chloropyridine	78		5.922					ND	
35 Benzaldehyde	77	5.953	5.930	0.023	92	1716	0.0800	-0.0916	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
257 CBF-500	161	5.945	5.944	0.001	0	86		0.001421	
37 Phenol	94	5.993	5.996	-0.003	99	553832	0.0400	5.72	
36 Aniline	93		6.021				ND	ND	
39 Bis(2-chloroethyl)ether	93	6.064	6.058	0.006	74	2204	0.0400	0.0293	
38 Pentachloroethane	167		6.075					ND	
32 2-Chlorotoluene	91		6.081					ND	
33 3-Chlorotoluene	91		6.102					ND	
40 2-Chlorophenol	128	6.143	6.132	0.011	91	2413	0.0400	0.0314	
34 4-Chlorotoluene	91		6.134					ND	
41 n-Decane	57		6.140				ND	ND	
43 1,3-Dichlorobenzene	146	6.271	6.259	0.012	56	1572	0.0400	0.0177	
44 1,4-Dichlorobenzene	146	6.328	6.322	0.006	87	2008	0.0400	0.0222	a
42 p-Fluoroaniline	111		6.408					ND	
45 Benzyl alcohol	108		6.418				ND	ND	
46 1,2-Dichlorobenzene	146	6.467	6.455	0.012	89	2535	0.0400	0.0302	
48 2-Methylphenol	108	6.512	6.509	0.003	96	13083	0.0400	0.1835	
49 2,2'-oxybis[1-chloropropane]	45	6.524	6.521	0.003	94	4159	0.0400	0.0371	
47 Indene	115	6.535	6.532	0.003	85	40451	0.3200	-0.0352	
53 N-Nitrosodi-n-propylamine	70		6.631				ND	ND	
50 N-Nitrosopyrrolidine	100		6.632					ND	
57 4-Methylphenol	108	6.643	6.637	0.006	97	9608	0.0400	0.1293	
52 Acetophenone	105	6.660	6.645	0.015	90	3100	0.0400	0.0300	
54 N-Nitrosomorpholine	56		6.657					ND	
56 2-Toluidine	106		6.688					ND	
55 4-Methylbenzenamine	106		6.691					ND	
58 Hexachloroethane	117	6.745	6.748	-0.003	89	800	0.0400	0.0225	
59 Nitrobenzene	77	6.813	6.799	0.014	61	1743	0.0400	0.0219	
51 N-Methylaniline	106		6.855					ND	
61 N-Nitrosopiperidine	114		6.927					ND	
62 Isophorone	82	6.992	6.989	0.003	97	4860	0.0400	0.0348	
63 2-Chloroaniline	127		7.046					ND	
64 2-Nitrophenol	139	7.083	7.068	0.015	64	1105	0.0400	0.1354	
60 2,6-Dichloropyridine	112		7.071					ND	
66 2,4-Dimethylphenol	107	7.094	7.082	0.012	83	2583	0.0400	0.0342	
68 o,o',o''-Triethylphosphorothioat	198		7.131					ND	
67 Tetraethyl lead	237		7.134					ND	
69 Bis(2-chloroethoxy)methane	93	7.154	7.151	0.004	76	3045	0.0400	0.0360	
70 Benzoic acid	105		7.202				ND	ND	
71 alpha,alpha-Dimethyl phenethylam	58		7.256					ND	
72 2,4-Dichlorophenol	162	7.287	7.275	0.012	87	1690	0.0400	0.0279	
65 Benzeneacetonitrile	117		7.282					ND	
73 1,2,4-Trichlorobenzene	180	7.352	7.346	0.006	89	2475	0.0400	0.0368	
282 2,4-Dichlorotoluene	125		7.383					ND	
75 Alpha-Terpineol	59		7.406					ND	
287 1,3,5-Trichlorobenzene	180	7.381	7.416	-0.035	1	22		NC	
74 Naphthalene	128	7.423	7.417	0.006	94	8649	0.0400	0.0387	
76 4-Chloroaniline	127	7.454	7.448	0.006	94	3305	0.0400	0.0387	
77 2,6-Dichlorophenol	162	7.471	7.460	0.011	86	1655	0.0400	0.0275	
78 Hexachloropropene	213		7.500					ND	
79 Hexachlorobutadiene	225	7.505	7.508	-0.003	91	1109	0.0400	0.0274	
286 4-Chlorophenol	128		7.691					ND	
81 Quinoline	129		7.707					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
82 N-Nitrosodi-n-butylamine	84		7.716					ND	
84 Caprolactam	113		7.744				ND	ND	
83 p-Phenylene diamine	108		7.750					ND	
80 Benzeneacetic acid (TIC)	91		7.827					ND	
85 4-Chloro-3-methylphenol	107		7.846				ND	ND	
86 Safrole, Total	162		7.911					ND	
87 2-Methylnaphthalene	142	8.005	7.999	0.006	91	5193	0.0400	0.0346	
88 Phthalic anhydride	104		8.051					ND	
89 1-Methylnaphthalene	142	8.090	8.084	0.006	88	4593	0.0400	0.0330	
90 Hexachlorocyclopentadiene	237		8.127				ND	ND	
91 1,2,4,5-Tetrachlorobenzene	216	8.147	8.141	0.006	91	2156	0.0400	0.0297	
275 Isosafrole Peak 1	162		8.158					ND	
93 2,4,6-Trichlorophenol	196	8.240	8.232	0.008	42	1013	0.0400	0.1282	a
284 2,3-Dichlorobenzenamine	161		8.244					ND	
94 2,4,5-Trichlorophenol	196	8.283	8.271	0.012	39	1160	0.0400	0.1134	a
281 2,4,5-Trichlorotoluene	159		8.296					ND	
198 NVF-400	82	8.291	8.311	-0.020	0	41		0.000189	
258 CU-600	58	8.269	8.316	-0.047	0	52		0.000240	
277 Isosafrole Peak 2	162		8.348					ND	
95 Isosafrole	162		8.348					ND	
96 1,1'-Biphenyl	154	8.385	8.379	0.006	96	6357	0.0400	0.0362	
97 2-Chloronaphthalene	162	8.425	8.413	0.012	93	4473	0.0400	0.0321	
99 1-Chloronaphthalene	162		8.448					ND	U
100 2-Nitroaniline	65		8.487				ND	ND	
103 Dicyclohexylamine	138		8.556					ND	
102 1,4-Naphthoquinone	158		8.570					ND	
104 1,4-Dinitrobenzene	168		8.601					ND	
105 Dimethyl phthalate	163	8.609	8.612	-0.003	97	5168	0.0400	0.0346	
106 1,3-Dinitrobenzene	168		8.663				ND	ND	
107 2,6-Dinitrotoluene	165		8.677				ND	ND	
285 1,2,3,4 -Tetrachlorobenzene	216		8.730					ND	
108 Acenaphthylene	152	8.780	8.771	0.009	96	6677	0.0400	0.0307	
109 3-Nitroaniline	138	8.839	8.830	0.009	52	895	0.0400	0.0708	
110 Acenaphthene	153	8.916	8.913	0.003	95	4869	0.0400	0.0337	
111 2,4-Dinitrophenol	184		8.927				ND	ND	
112 4-Nitrophenol	109		8.964				ND	ND	
114 2,4-Dinitrotoluene	165		9.023				ND	ND	
113 Pentachlorobenzene	250		9.038					ND	
115 Dibenzofuran	168	9.063	9.057	0.006	97	7157	0.0400	0.0361	
116 1-Naphthylamine	143		9.129					ND	
117 2,3,5,6-Tetrachlorophenol	232		9.131					ND	
118 2,3,4,6-Tetrachlorophenol	232		9.157				ND	ND	
121 Hexadecane	57	9.185	9.188	-0.003	54	1837	0.0400	0.0189	
120 Diethyl phthalate	149	9.188	9.194	-0.006	96	5239	0.0400	0.0344	
119 2-Naphthylamine	143		9.194					ND	
122 Thionazin	97		9.273					ND	
123 4-Chlorophenyl phenyl ether	204	9.319	9.316	0.003	89	2814	0.0400	0.0364	
124 Fluorene	166	9.353	9.347	0.006	88	5140	0.0400	0.0332	
126 4-Nitroaniline	138		9.350				ND	ND	
125 N-Nitro-o-toluidine	152		9.350					ND	
128 Tributyl phosphate	99		9.356					ND	
127 4,6-Dinitro-2-methylphenol	198		9.378				ND	ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
130 N-Nitrosodiphenylamine	169	9.421	9.415	0.006	67	3651	0.0400	0.0341	
129 Diphenylamine	169	9.421	9.415	0.006	88	3651	0.0342	0.0292	
132 Azobenzene	77	9.458	9.457	0.001	96	3586	0.0400	0.0231	
131 1,2-Diphenylhydrazine	77	9.458	9.457	0.001	40	3586	0.0400	0.0231	
134 Sulfotepp	322		9.517					ND	
278 Diallate Peak 1	86		9.651					ND	
136 Diallate	86		9.651					ND	
135 1,3,5-Trinitrobenzene	213		9.656					ND	
137 Phorate	75		9.659					ND	
138 Phenacetin	108		9.665					ND	
280 Diallate Peak 2	86		9.730					ND	
139 4-Bromophenyl phenyl ether	248	9.736	9.733	0.003	69	1670	0.0400	0.0372	
141 Dimethoate	87		9.810					ND	
140 Hexachlorobenzene	284	9.827	9.824	0.003	66	2229	0.0400	0.0859	
142 Simazine	201		9.824					ND	U
143 Atrazine	200	9.832	9.841	-0.009	88	2828	0.0800	0.0704	
148 n-Octadecane	57	9.960	9.957	0.003	86	1934	0.0400	0.0205	
144 4-Aminobiphenyl	169		9.966					ND	
145 Pentachlorophenol	266		9.980				ND	ND	
147 Pronamide	173		9.986					ND	
146 Pentachloronitrobenzene	237		10.000					ND	
149 Disulfoton	88		10.096					ND	
150 Dinoseb	211		10.113					ND	
151 Phenanthrene	178	10.176	10.167	0.009	92	8963	0.0400	0.0415	
152 Anthracene	178	10.224	10.212	0.012	96	7709	0.0400	0.0369	
153 Carbazole	167	10.340	10.331	0.009	95	6241	0.0400	0.0330	
154 Alachlor	160		10.417					ND	
155 Methyl parathion	109		10.425					ND	
157 Di-n-butyl phthalate	149	10.556	10.556	0.000	99	8273	0.0400	0.0338	
158 Ethyl Parathion	97		10.740					ND	
161 Methapyrilene	58		10.834					ND	
160 Anthraquinone	180		10.854					ND	
288 2-Methylanthracene	192		10.885					ND	
162 Isodrin	193		11.050					ND	
159 4-Nitroquinoline-1-oxide	190		11.103					ND	
164 Fluoranthene	202	11.206	11.194	0.012	95	7885	0.0400	0.0358	
165 1-Hydroxyanthraquinone	224		11.237					ND	
166 Benzidine	184		11.268				ND	ND	U
167 Pyrene	202	11.427	11.413	0.014	94	7745	0.0400	0.0363	
276 Aramite Peak 1	185		11.441					ND	
168 Aramite, Total	185		11.512					ND	
279 Aramite Peak 2	185		11.512					ND	
170 p-Dimethylamino azobenzene	120		11.648					ND	
171 Chlorobenzilate	251		11.671					ND	
169 1,4-Dihydroxyanthraquinone	240		11.705					ND	
241 5-Methyl-o-Anisidine	122		11.753					ND	
172 Famphur	218		11.932					ND	
174 Butyl benzyl phthalate	149	11.969	11.966	0.003	93	3127	0.0400	0.1349	
175 9-Octadecenamide	59		11.966					ND	
173 3,3'-Dimethylbenzidine	212		12.006					ND	
176 Kepone	272		12.108					ND	
177 2-Acetylaminofluorene	181		12.327					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
181 Bis(2-ethylhexyl) phthalate	149	12.636	12.636	0.000	78	2662	0.0400	0.1536	
178 4,4'-Methylene bis(2-chloroani	231		12.664					ND	
179 3,3'-Dichlorobenzidine	252	12.681	12.672	0.009	72	5256	0.0800	0.1594	
180 Benzo[a]anthracene	228	12.775	12.772	0.003	94	7815	0.0400	0.0375	
182 Chrysene	228	12.857	12.823	0.034	89	6555	0.0400	0.0324	M
183 6-Methylchrysene	242		13.462					ND	
184 Di-n-octyl phthalate	149		13.549				ND	ND	
185 7,12-Dimethylbenz(a)anthracene	256		14.310					ND	
186 Benzo[b]fluoranthene	252		14.372				ND	ND	
187 Benzo[k]fluoranthene	252		14.415				ND	ND	
192 Hexachlorophene	196		14.639					ND	
189 Benzo[a]pyrene	252		14.909				ND	ND	
283 Benzo[e]pyrene	252	15.317	15.335	-0.018	1	98		NC	
190 3-Methylcholanthrene	268		15.448					ND	
191 Dibenz[a,h]acridine	279		16.373					ND	U
194 Dibenz(a,h)anthracene	278		16.781				ND	ND	
193 Indeno[1,2,3-cd]pyrene	276		16.824				ND	ND	
195 Benzo[g,h,i]perylene	276		17.363				ND	ND	
199 CAG-800	149		19.675					ND	
256 CN-500	112		19.994					ND	
197 Dibenzo[a,e]pyrene	302		21.642					ND	
295 4-Bromofluorobenzene TIC	1		0.000					ND	
299 1-Bromo-3-fluorobenzene TIC	1		0.000					ND	
290 1,3-Dibromobenzene TIC	1		0.000					ND	
294 3'-Bromoacetophenone TIC	1		0.000					ND	
302 1-Bromo-2-chloroethane TIC	1		0.000					ND	
301 3-Amino-4-Chlorobenzotrifluoride	1		0.000					ND	
293 3-Nitro-4-Chlorobenzotrifluoride	1		0.000					ND	
303 Carbofuran	1		0.000					ND	
298 2-Bromopyridine TIC	1		0.000					ND	
291 1,4-Dibromobenzene TIC	1		0.000					ND	
296 1,2-dichloro-4-(trifluoromethyl)	1		0.000					ND	
292 Ethylene Dibromide TIC	1		0.000					ND	
300 1-Bromo-4-ethylbenzene TIC	1		0.000					ND	
297 Fluorobenzene TIC	1		0.000					ND	
222 2-Chlorobenzotrifluoride TIC	1		0.195					ND	
211 Pendimethalin (TIC)	1		0.195					ND	
210 Dibenzo[a,h]pyrene	1		0.195					ND	
238 Phenylacetic Acid	1		0.195					ND	
233 4-Chlorobenzotrifluoride TIC	1		0.195					ND	
240 Prometryn (TIC)	1		0.195					ND	
204 2,6-Dichlorotoluene TIC	1		0.195					ND	
227 Dibenz[a,j]acridine	279		0.195					ND	
225 Dibenz(a,i)pyrene	1		0.195					ND	
224 1-Bromopropane	1		0.195					ND	
205 Phenylmercaptan	110		0.195					ND	
206 2,4-Toluene diamine	1		0.195					ND	
247 Benefin (TIC)	1		0.195					ND	
201 7H-Dibenzo[c,g]carbazole	1		0.195					ND	
215 trans Azobenzene (TIC)	1		0.195					ND	
218 3-Chlorobenzotrifluoride TIC	1		0.195					ND	
230 2,3-Dichlorophenol	1		0.195					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
219 Photomirex TIC	1		0.195					ND	
212 Hexamethyldisiloxane TIC	1		0.195					ND	
220 Tetramethyl lead TIC	1		0.195					ND	
244 Pendimethalin	1		0.195					ND	
250 Pentachlorophenol_T	266		9.982					ND	
252 Benzidine_T	184		11.268					ND	
254 4,4'-DDD	235		11.779					ND	
253 4,4'-DDE	246		12.113					ND	
255 4,4'-DDT	235		12.113					ND	
S 259 Chlorobenzotrifluoride N.O.S	1		0.195					ND	
S 261 Total Cresols	1				0			0.3127	
S 260 Chlorotoluene N.O.S	1		0.195					ND	
S 263 3-Methylphenol	1				0		0.0400	0.1293	
S 262 3 & 4 Methylphenol	108				0			0.1293	
S 264 EPH Adjustment 1	1		0.195					ND	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- ND - Not Detected or Marked ND

Review Flags
- M - Manually Integrated
- U - Marked Undetected
- a - User Assigned ID

Reagents:

MB_LLIS_WRK_00224 Amount Added: 20.00 Units: uL Run Reagent

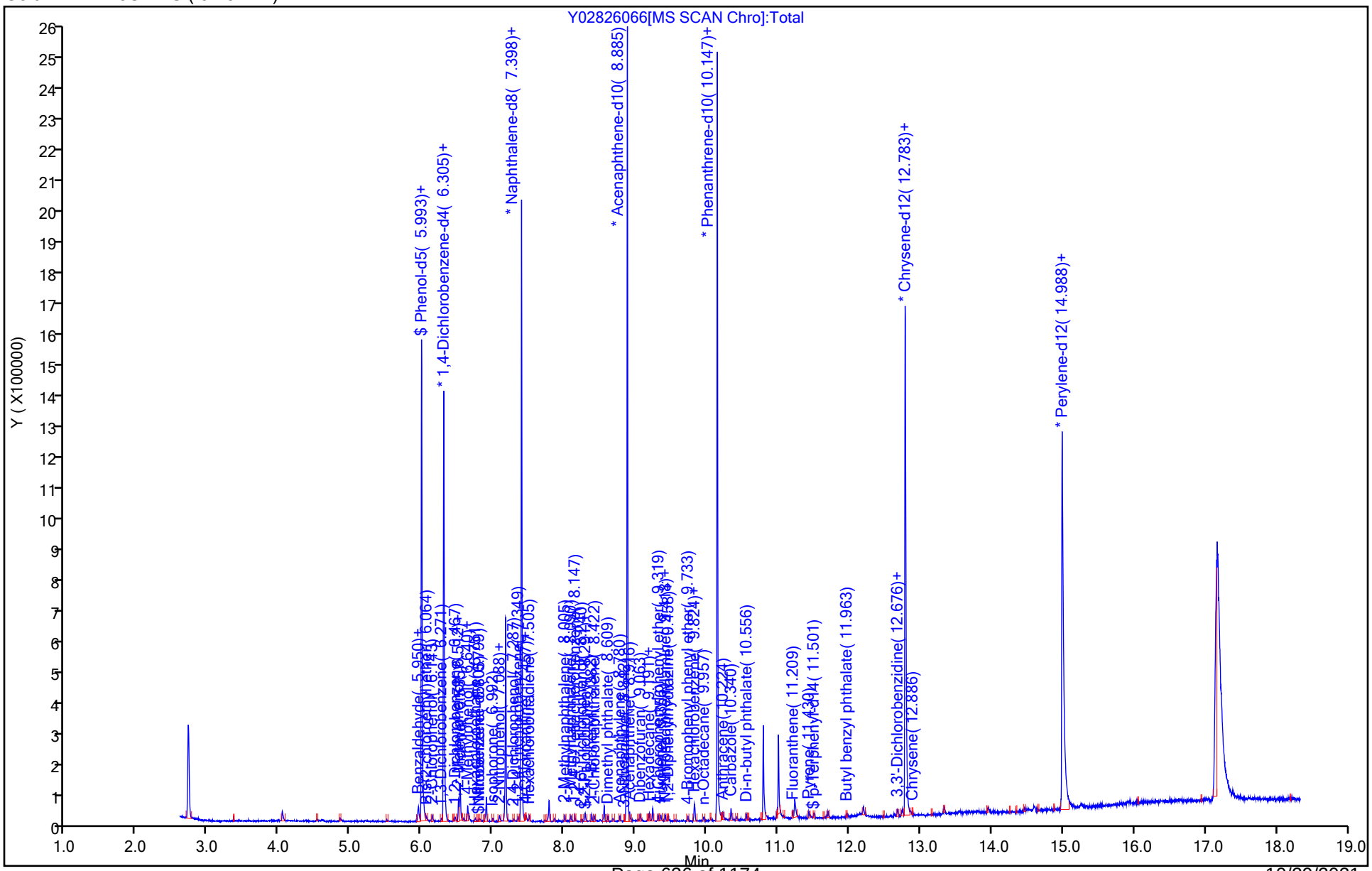
Report Date: 27-Oct-2021 12:31:52 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y02826066.D

Injection Date:	25-Oct-2021 14:05:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	480-191204-A-8-A MS			Worklist Smp#:	9
Client ID:	BOR-OW-10R-WG				
Injection Vol:	2.0 ul	Dil. Factor:	200.0000	ALS Bottle#:	9
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

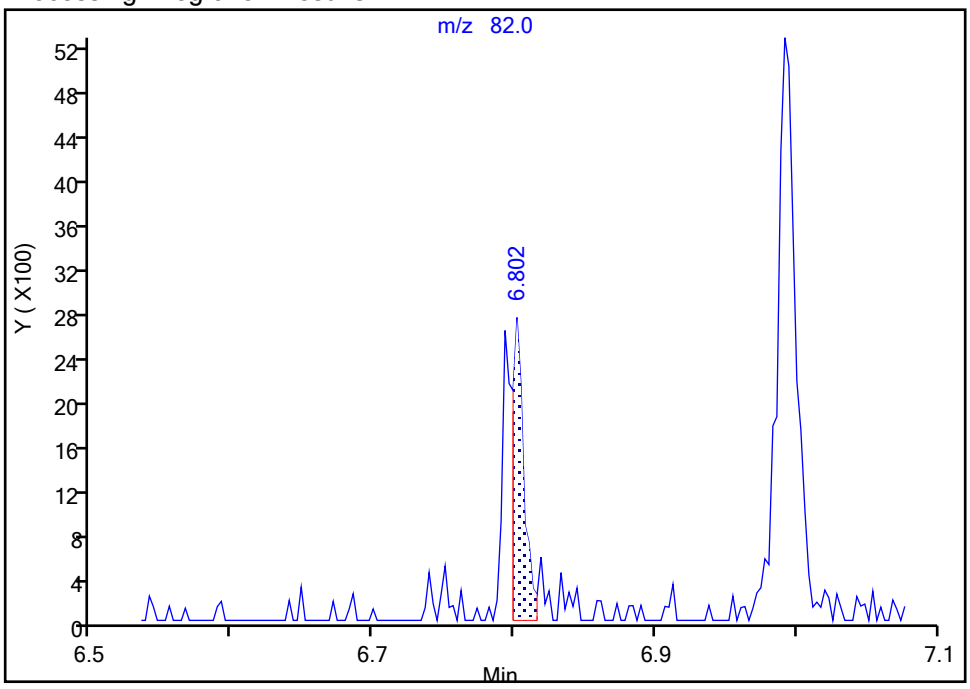
Data File:	\\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y02826066.D				
Injection Date:	25-Oct-2021 14:05:30	Instrument ID:	HP5973Y		
Lims ID:	480-191204-A-8-A MS				
Client ID:	BOR-OW-10R-WG				
Operator ID:	JM	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	2.0 ul	Dil. Factor:	200.0000		
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

$ 9 Nitrobenzene-d5, CAS: 4165-60-0

Signal: 1

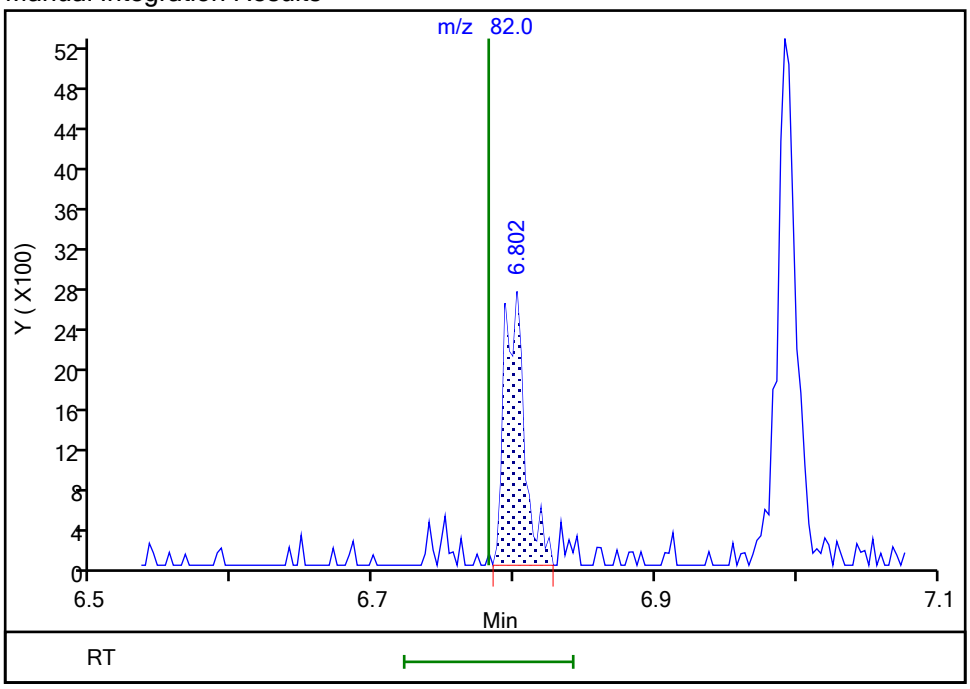
Processing Integration Results

RT: 6.80
Area: 1519
Amount: 0.085521
Amount Units: ng/uL



Manual Integration Results

RT: 6.80
Area: 2668
Amount: 0.098411
Amount Units: ng/uL



Reviewer: marshallj, 27-Oct-2021 11:56:24

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo

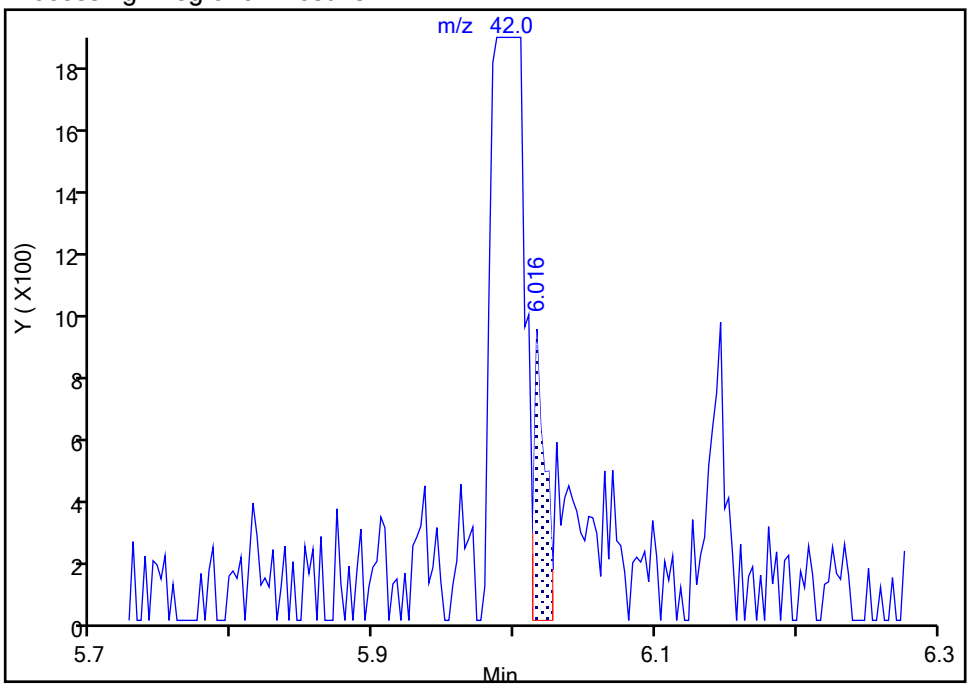
Data File:	\\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y02826066.D				
Injection Date:	25-Oct-2021 14:05:30	Instrument ID:	HP5973Y		
Lims ID:	480-191204-A-8-A MS				
Client ID:	BOR-OW-10R-WG				
Operator ID:	JM	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	2.0 ul	Dil. Factor:	200.0000		
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

$ 8 Phenol-d5, CAS: 4165-62-2

Signal: 2

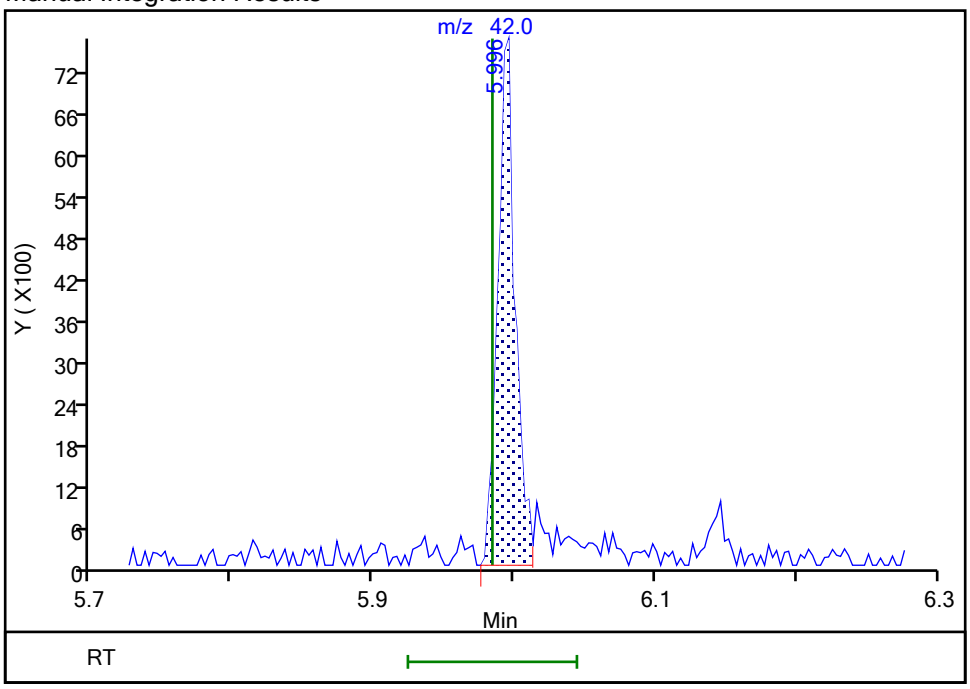
Processing Integration Results

RT: 6.02
Area: 492
Amount: 0.000351
Amount Units: ng/uL



Manual Integration Results

RT: 6.00
Area: 6523
Amount: 0.019706
Amount Units: ng/uL



Reviewer: marshallj, 27-Oct-2021 11:56:07
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

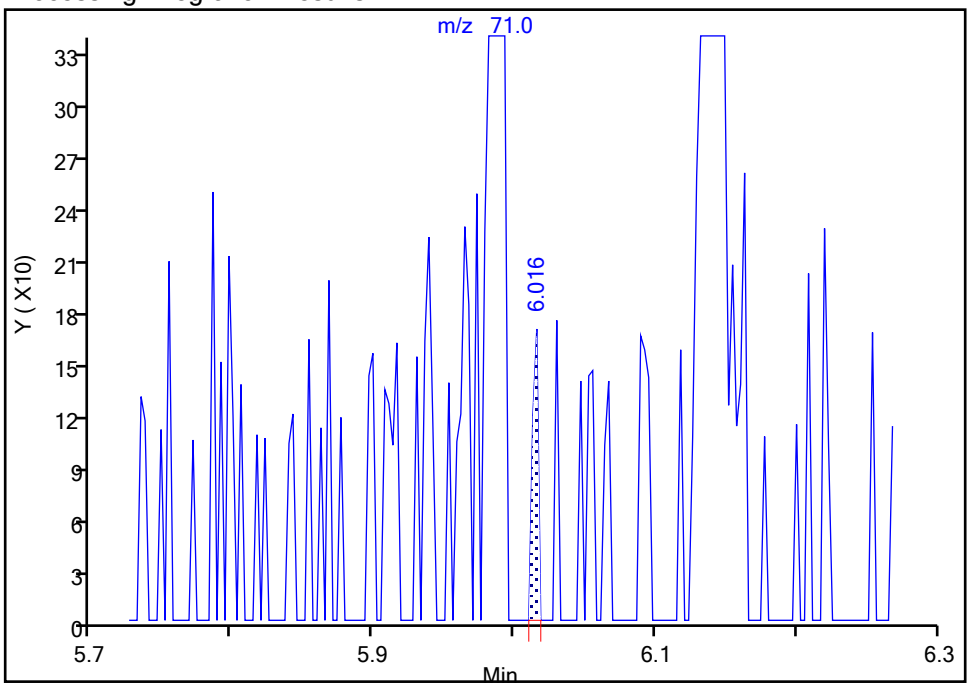
Data File:	\\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y02826066.D				
Injection Date:	25-Oct-2021 14:05:30	Instrument ID:	HP5973Y		
Lims ID:	480-191204-A-8-A MS				
Client ID:	BOR-OW-10R-WG				
Operator ID:	JM	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	2.0 ul	Dil. Factor:	200.0000		
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

$ 8 Phenol-d5, CAS: 4165-62-2

Signal: 3

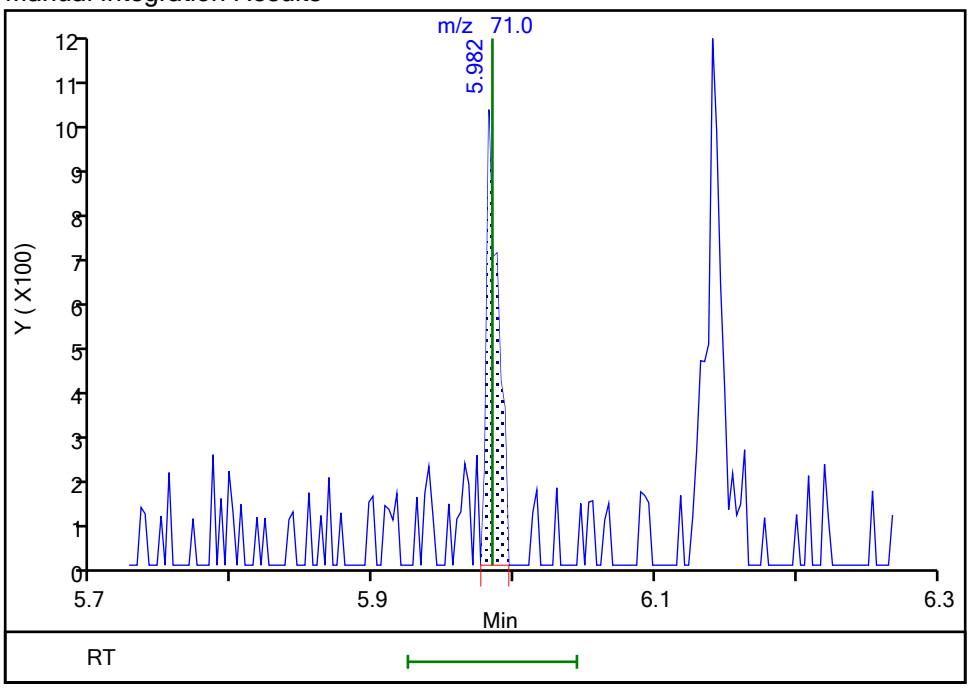
Processing Integration Results

RT: 6.02
Area: 49
Amount: 0.000351
Amount Units: ng/uL



Manual Integration Results

RT: 5.98
Area: 578
Amount: 0.019706
Amount Units: ng/uL



Reviewer: marshallj, 27-Oct-2021 11:56:07
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

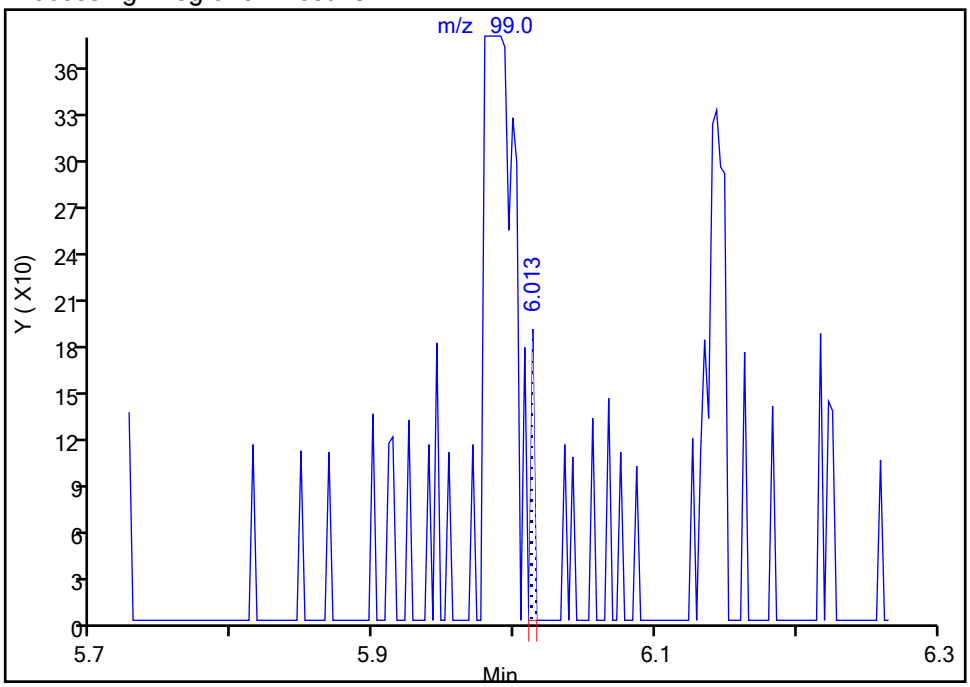
Data File:	\\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y02826066.D				
Injection Date:	25-Oct-2021 14:05:30	Instrument ID:	HP5973Y		
Lims ID:	480-191204-A-8-A MS				
Client ID:	BOR-OW-10R-WG				
Operator ID:	JM	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	2.0 ul	Dil. Factor:	200.0000		
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

$ 8 Phenol-d5, CAS: 4165-62-2

Signal: 1

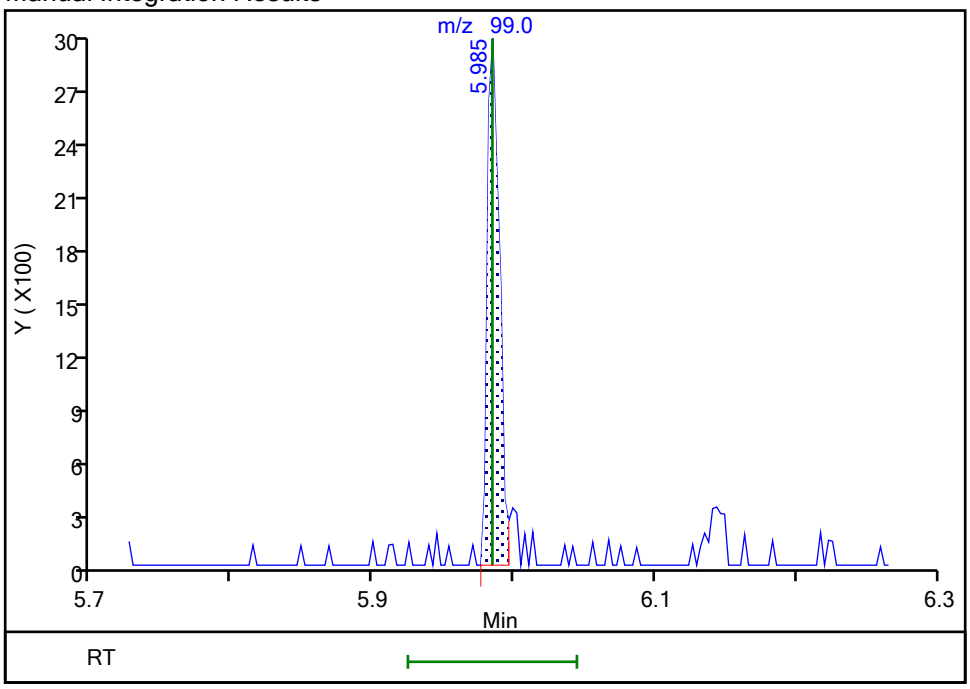
Processing Integration Results

RT: 6.01
Area: 32
Amount: 0.000351
Amount Units: ng/uL



Manual Integration Results

RT: 5.98
Area: 1797
Amount: 0.019706
Amount Units: ng/uL



Reviewer: marshallj, 27-Oct-2021 11:56:48
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo

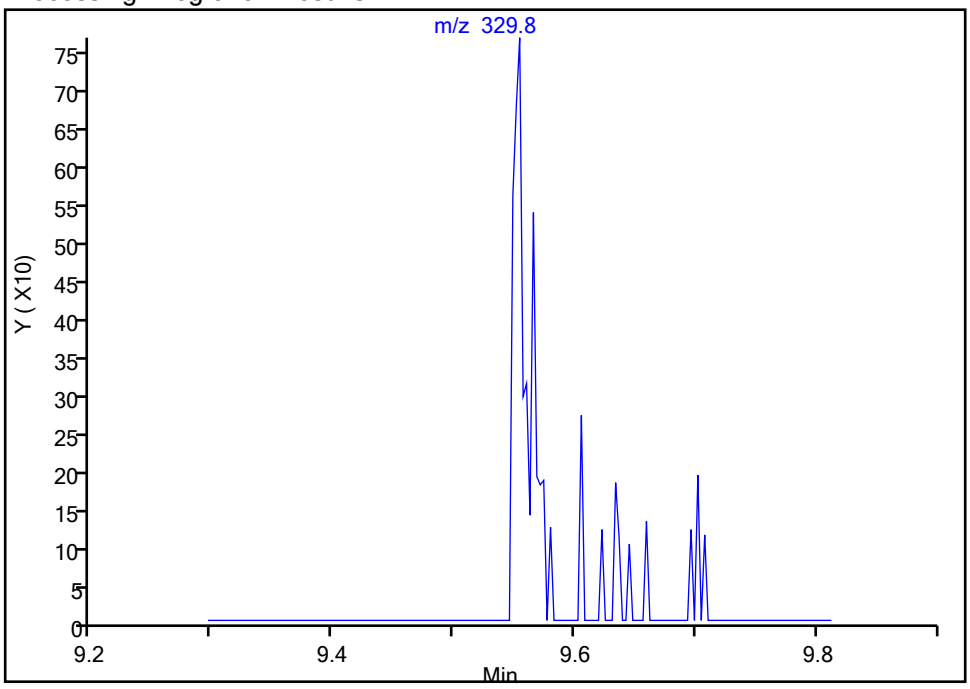
Data File:	\\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y02826066.D				
Injection Date:	25-Oct-2021 14:05:30	Instrument ID:	HP5973Y		
Lims ID:	480-191204-A-8-A MS				
Client ID:	BOR-OW-10R-WG				
Operator ID:	JM	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	2.0 ul	Dil. Factor:	200.0000		
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

$ 11 2,4,6-Tribromophenol, CAS: 118-79-6

Signal: 1

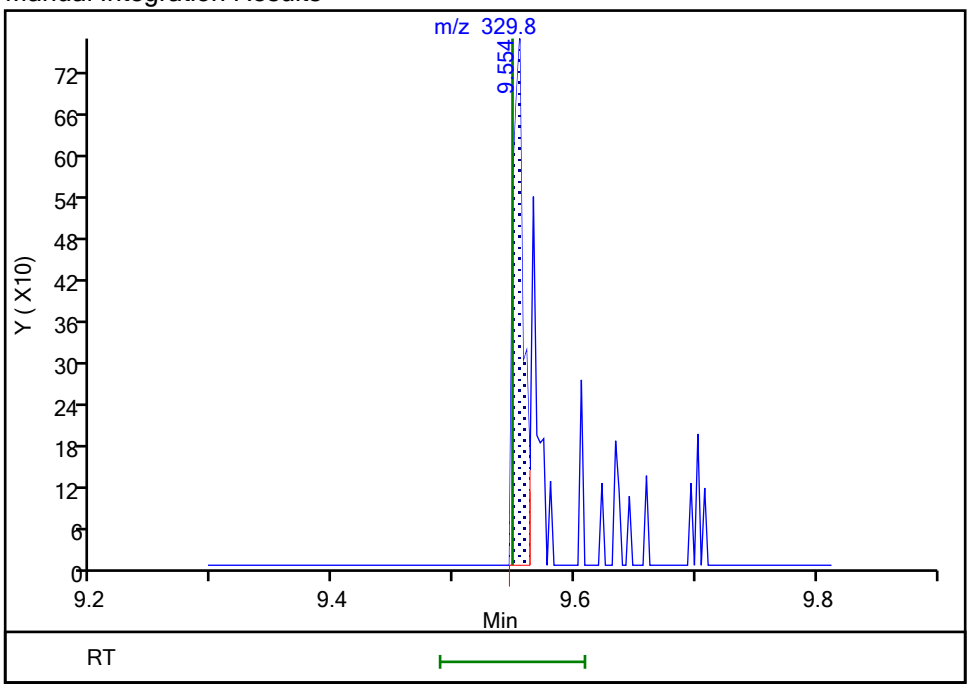
Not Detected
Expected RT: 9.55

Processing Integration Results



Manual Integration Results

RT: 9.55
Area: 470
Amount: 0.188649
Amount Units: ng/uL



Reviewer: marshallj, 27-Oct-2021 11:57:00
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Client Sample ID: BOR-OW-10R-WG MSD Lab Sample ID: 480-191204-8 MSD

Matrix: Water Lab File ID: Y02826067.D

Analysis Method: 8270D Date Collected: 10/20/2021 13:15

Extract. Method: 3510C Date Extracted: 10/21/2021 14:44

Sample wt/vol: 50(mL) Date Analyzed: 10/25/2021 14:32

Con. Extract Vol.: 1(mL) Dilution Factor: 200

Injection Volume: 2(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 601851 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	24600		5000	390

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	0	S1-	46-120
1718-51-0	p-Terphenyl-d14 (Surr)	64		60-148
4165-62-2	Phenol-d5 (Surr)	41		22-120
367-12-4	2-Fluorophenol (Surr)	0	S1-	35-120
118-79-6	2,4,6-Tribromophenol (Surr)	0	S1-	41-120
321-60-8	2-Fluorobiphenyl (Surr)	85		48-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y02826067.D
Lims ID: 480-191204-B-8-A MSD
Client ID: BOR-OW-10R-WG
Sample Type: MSD
Inject. Date: 25-Oct-2021 14:32:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 2.0 ul Dil. Factor: 200.0000
Sample Info: 480-0101890-010
Operator ID: JM Instrument ID: HP5973Y

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 27-Oct-2021 12:31:41 Calib Date: 12-Oct-2021 15:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211012-101584.b\Y02825651.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1684

First Level Reviewer: marshallj Date: 27-Oct-2021 12:04:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.305	6.305	0.000	95	232954	4.00	4.00	
* 2 Naphthalene-d8	136	7.398	7.397	0.001	99	877405	4.00	4.00	
* 3 Acenaphthene-d10	164	8.882	8.884	-0.002	95	493185	4.00	4.00	
* 4 Phenanthrene-d10	188	10.145	10.147	-0.002	97	819086	4.00	4.00	
* 5 Chrysene-d12	240	12.784	12.786	-0.002	97	717493	4.00	4.00	
* 6 Perylene-d12	264	14.991	14.988	0.003	97	718428	4.00	4.00	
$ 7 2-Fluorophenol	112		5.161				ND	ND	
$ 8 Phenol-d5	99	5.982	5.984	-0.002	0	1452	0.0400	0.0165	a
$ 9 Nitrobenzene-d5	82		6.782				ND	ND	
$ 10 2-Fluorobiphenyl	172	8.294	8.288	0.006	97	5381	0.0400	0.0340	
$ 11 2,4,6-Tribromophenol	330		9.548				ND	ND	
$ 12 p-Terphenyl-d14	244	11.504	11.498	0.006	94	4547	0.0400	0.0254	
237 Lidocaine	1		0.195					ND	
13 1,4-Dioxane	88		3.181				ND	ND	
14 N-Nitrosodimethylamine	42		3.655				ND	ND	
15 Pyridine	52		3.689				ND	ND	
19 2-Picoline	93		4.580					ND	
18 1-Methylcyclopentanol	71		4.617					ND	
20 N-Nitrosomethylethylamine	88		4.699					ND	
22 Methyl methanesulfonate	80		4.994					ND	
24 Acrylamide	71		4.997					ND	
21 2-Chlorobenzotrifluoride	180		5.167					ND	
23 4-Chlorobenzotrifluoride	180		5.237					ND	
25 n,n'-Dimethylacetamide	87	5.326	5.306	0.020	50	43		NC	
28 N-Nitrosodiethylamine	102		5.369					ND	
26 4-Chloropyridine	78	5.505	5.475	0.030	0	61		NC	
196 CBF-400	214		5.530					ND	
27 3-Chloropyridine	78		5.564					ND	
30 Ethyl methanesulfonate	79		5.633					ND	
29 3-Chlorobenzotrifluoride	180		5.637					ND	
31 2-Chloropyridine	78		5.922					ND	
35 Benzaldehyde	77	5.962	5.930	0.032	79	1737	0.0800	-0.0901	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
257 CBF-500	161	5.948	5.944	0.004	0	88		0.001511	
37 Phenol	94	5.993	5.996	-0.003	98	571933	0.0400	6.14	
36 Aniline	93		6.021				ND	ND	
39 Bis(2-chloroethyl)ether	93	6.064	6.058	0.006	63	2464	0.0400	0.0340	
38 Pentachloroethane	167		6.075					ND	
32 2-Chlorotoluene	91		6.081					ND	
33 3-Chlorotoluene	91		6.102					ND	
40 2-Chlorophenol	128	6.146	6.132	0.014	88	1825	0.0400	0.0247	
34 4-Chlorotoluene	91		6.134					ND	
41 n-Decane	57	6.144	6.140	0.004	92	1594	0.0400	0.0199	
43 1,3-Dichlorobenzene	146	6.277	6.259	0.018	71	2319	0.0400	0.0271	
44 1,4-Dichlorobenzene	146		6.322				ND	ND	U
42 p-Fluoroaniline	111		6.408					ND	
45 Benzyl alcohol	108		6.418				ND	ND	
46 1,2-Dichlorobenzene	146	6.467	6.455	0.012	92	2381	0.0400	0.0295	
48 2-Methylphenol	108	6.512	6.509	0.003	97	11886	0.0400	0.1732	
49 2,2'-oxybis[1-chloropropane]	45	6.524	6.521	0.003	65	3570	0.0400	0.0331	
47 Indene	115	6.535	6.532	0.003	91	32358	0.3200	-0.0868	
53 N-Nitrosodi-n-propylamine	70		6.631				ND	ND	
50 N-Nitrosopyrrolidine	100		6.632					ND	
57 4-Methylphenol	108	6.643	6.637	0.006	96	9813	0.0400	0.1372	
52 Acetophenone	105		6.645				ND	ND	
54 N-Nitrosomorpholine	56		6.657					ND	
56 2-Toluidine	106		6.688					ND	
55 4-Methylbenzenamine	106		6.691					ND	
58 Hexachloroethane	117	6.745	6.748	-0.003	89	939	0.0400	0.0274	
59 Nitrobenzene	77		6.799				ND	ND	
51 N-Methylaniline	106		6.855					ND	
61 N-Nitrosopiperidine	114		6.927					ND	
62 Isophorone	82	6.992	6.989	0.003	97	3601	0.0400	0.0255	
63 2-Chloroaniline	127		7.046					ND	
64 2-Nitrophenol	139	7.086	7.068	0.018	60	692	0.0400	0.1250	
60 2,6-Dichloropyridine	112		7.071					ND	
66 2,4-Dimethylphenol	107	7.091	7.082	0.009	90	2596	0.0400	0.0340	
68 o,o',o''-Triethylphosphorothioat	198		7.131					ND	
67 Tetraethyl lead	237		7.134					ND	
69 Bis(2-chloroethoxy)methane	93	7.154	7.151	0.004	73	2964	0.0400	0.0347	M
70 Benzoic acid	105		7.202				ND	ND	
71 alpha,alpha-Dimethyl phenethylam	58		7.256					ND	
72 2,4-Dichlorophenol	162	7.293	7.275	0.018	81	1628	0.0400	0.0266	
65 Benzeneacetonitrile	117		7.282					ND	
73 1,2,4-Trichlorobenzene	180	7.350	7.346	0.004	88	2387	0.0400	0.0351	
282 2,4-Dichlorotoluene	125		7.383					ND	
75 Alpha-Terpineol	59		7.406					ND	
287 1,3,5-Trichlorobenzene	180		7.416					ND	
74 Naphthalene	128		7.417				ND	ND	
76 4-Chloroaniline	127	7.460	7.448	0.012	92	2439	0.0400	0.0283	
77 2,6-Dichlorophenol	162		7.460				ND	ND	
78 Hexachloropropene	213		7.500					ND	
79 Hexachlorobutadiene	225	7.508	7.508	0.000	85	1243	0.0400	0.0304	
286 4-Chlorophenol	128		7.691					ND	
81 Quinoline	129		7.707					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
82 N-Nitrosodi-n-butylamine	84		7.716					ND	
84 Caprolactam	113		7.744				ND	ND	
83 p-Phenylene diamine	108		7.750					ND	
80 Benzeneacetic acid (TIC)	91		7.827					ND	
85 4-Chloro-3-methylphenol	107	7.855	7.846	0.009	92	1052	0.0400	0.0175	
86 Safrole, Total	162		7.911					ND	
87 2-Methylnaphthalene	142	8.005	7.999	0.006	89	4326	0.0400	0.0285	
88 Phthalic anhydride	104		8.051					ND	
89 1-Methylnaphthalene	142	8.093	8.084	0.009	89	3982	0.0400	0.0283	
90 Hexachlorocyclopentadiene	237		8.127				ND	ND	
91 1,2,4,5-Tetrachlorobenzene	216	8.150	8.141	0.009	92	2484	0.0400	0.0347	M
275 Isosafrole Peak 1	162		8.158					ND	
93 2,4,6-Trichlorophenol	196		8.232				ND	ND	
284 2,3-Dichlorobenzenamine	161		8.244					ND	
94 2,4,5-Trichlorophenol	196		8.271				ND	ND	U
281 2,4,5-Trichlorotoluene	159		8.296					ND	
198 NVF-400	82	8.351	8.311	0.040	0	32		0.000146	
258 CU-600	58		8.316					ND	
277 Isosafrole Peak 2	162		8.348					ND	
95 Isosafrole	162		8.348					ND	
96 1,1'-Biphenyl	154	8.385	8.379	0.006	94	5678	0.0400	0.0328	
97 2-Chloronaphthalene	162	8.428	8.413	0.015	94	3551	0.0400	0.0259	
99 1-Chloronaphthalene	162		8.448					ND	
100 2-Nitroaniline	65		8.487				ND	ND	
103 Dicyclohexylamine	138		8.556					ND	
102 1,4-Naphthoquinone	158		8.570					ND	
104 1,4-Dinitrobenzene	168		8.601					ND	
105 Dimethyl phthalate	163	8.609	8.612	-0.003	98	5020	0.0400	0.0341	
106 1,3-Dinitrobenzene	168		8.663				ND	ND	
107 2,6-Dinitrotoluene	165	8.678	8.677	0.001	65	638	0.0400	0.1050	
285 1,2,3,4 -Tetrachlorobenzene	216		8.730					ND	
108 Acenaphthylene	152	8.777	8.771	0.006	97	6349	0.0400	0.0297	
109 3-Nitroaniline	138		8.830				ND	ND	
110 Acenaphthene	153	8.916	8.913	0.003	89	4362	0.0400	0.0307	
111 2,4-Dinitrophenol	184		8.927				ND	ND	
112 4-Nitrophenol	109		8.964				ND	ND	
114 2,4-Dinitrotoluene	165		9.023				ND	ND	
113 Pentachlorobenzene	250		9.038					ND	
115 Dibenzofuran	168	9.063	9.057	0.006	97	5844	0.0400	0.0299	
116 1-Naphthylamine	143		9.129					ND	
117 2,3,5,6-Tetrachlorophenol	232		9.131					ND	
118 2,3,4,6-Tetrachlorophenol	232		9.157				ND	ND	
121 Hexadecane	57	9.188	9.188	0.000	60	1536	0.0400	0.0161	
120 Diethyl phthalate	149	9.191	9.194	-0.003	96	4791	0.0400	0.0319	
119 2-Naphthylamine	143		9.194					ND	
122 Thionazin	97		9.273					ND	
123 4-Chlorophenyl phenyl ether	204	9.319	9.316	0.003	81	2517	0.0400	0.0331	
124 Fluorene	166	9.350	9.347	0.003	94	4544	0.0400	0.0298	
126 4-Nitroaniline	138		9.350				ND	ND	
125 N-Nitro-o-toluidine	152		9.350					ND	
128 Tributyl phosphate	99		9.356					ND	
127 4,6-Dinitro-2-methylphenol	198		9.378				ND	ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
130 N-Nitrosodiphenylamine	169	9.415	9.415	0.000	63	3475	0.0400	0.0321	
129 Diphenylamine	169	9.415	9.415	0.000	93	3475	0.0342	0.0275	
132 Azobenzene	77	9.461	9.457	0.004	95	4082	0.0400	0.0260	
131 1,2-Diphenylhydrazine	77	9.461	9.457	0.004	40	4082	0.0400	0.0260	
134 Sulfotepp	322		9.517					ND	
278 Diallate Peak 1	86		9.651					ND	
136 Diallate	86		9.651					ND	
135 1,3,5-Trinitrobenzene	213		9.656					ND	
137 Phorate	75		9.659					ND	
138 Phenacetin	108		9.665					ND	
280 Diallate Peak 2	86		9.730					ND	
139 4-Bromophenyl phenyl ether	248	9.730	9.733	-0.003	63	1608	0.0400	0.0355	
141 Dimethoate	87		9.810					ND	
140 Hexachlorobenzene	284	9.824	9.824	0.000	68	2221	0.0400	0.0853	
142 Simazine	201		9.824					ND	
143 Atrazine	200	9.832	9.841	-0.009	85	2170	0.0800	0.0548	
148 n-Octadecane	57	9.954	9.957	-0.003	92	1510	0.0400	0.0158	
144 4-Aminobiphenyl	169		9.966					ND	
145 Pentachlorophenol	266		9.980				ND	ND	
147 Pronamide	173		9.986					ND	
146 Pentachloronitrobenzene	237		10.000					ND	
149 Disulfoton	88		10.096					ND	U
150 Dinoseb	211		10.113					ND	
151 Phenanthrene	178		10.167				ND	ND	U
152 Anthracene	178	10.224	10.212	0.012	96	6419	0.0400	0.0304	
153 Carbazole	167	10.343	10.331	0.012	94	4731	0.0400	0.0247	
154 Alachlor	160		10.417					ND	
155 Methyl parathion	109		10.425					ND	
157 Di-n-butyl phthalate	149	10.553	10.556	-0.003	99	6780	0.0400	0.0274	
158 Ethyl Parathion	97		10.740					ND	
161 Methapyrilene	58		10.834					ND	
160 Anthraquinone	180		10.854					ND	
288 2-Methylanthracene	192		10.885					ND	
162 Isodrin	193		11.050					ND	
159 4-Nitroquinoline-1-oxide	190		11.103					ND	
164 Fluoranthene	202	11.209	11.194	0.015	94	5541	0.0400	0.0249	
165 1-Hydroxyanthraquinone	224		11.237					ND	
166 Benzidine	184		11.268				ND	ND	
167 Pyrene	202	11.430	11.413	0.017	96	7540	0.0400	0.0339	
276 Aramite Peak 1	185		11.441					ND	
168 Aramite, Total	185		11.512					ND	
279 Aramite Peak 2	185		11.512					ND	U
170 p-Dimethylamino azobenzene	120		11.648					ND	
171 Chlorobenzilate	251		11.671					ND	
169 1,4-Dihydroxyanthraquinone	240		11.705					ND	
241 5-Methyl-o-Anisidine	122		11.753					ND	
172 Famphur	218		11.932					ND	
174 Butyl benzyl phthalate	149	11.963	11.966	-0.003	85	2530	0.0400	0.1283	
175 9-Octadecenamide	59		11.966					ND	
173 3,3'-Dimethylbenzidine	212		12.006					ND	
176 Kepone	272		12.108					ND	
177 2-Acetylaminofluorene	181		12.327					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
181 Bis(2-ethylhexyl) phthalate	149	12.633	12.636	-0.003	69	2306	0.0400	0.1506	
178 4,4'-Methylene bis(2-chloroani	231		12.664					ND	
179 3,3'-Dichlorobenzidine	252	12.673	12.672	0.001	72	4203	0.0800	0.1458	
180 Benzo[a]anthracene	228	12.775	12.772	0.003	97	7353	0.0400	0.0339	
182 Chrysene	228		12.823				ND	ND	U
183 6-Methylchrysene	242		13.462					ND	
184 Di-n-octyl phthalate	149	13.547	13.549	-0.002	71	3486	0.0400	0.1581	
185 7,12-Dimethylbenz(a)anthracene	256		14.310					ND	
186 Benzo[b]fluoranthene	252		14.372				ND	ND	
187 Benzo[k]fluoranthene	252		14.415				ND	ND	
192 Hexachlorophene	196		14.639					ND	
189 Benzo[a]pyrene	252		14.909				ND	ND	
283 Benzo[e]pyrene	252	15.391	15.335	0.056	1	80		NC	
190 3-Methylcholanthrene	268		15.448					ND	
191 Dibenz[a,h]acridine	279		16.373					ND	U
194 Dibenz(a,h)anthracene	278		16.781				ND	ND	
193 Indeno[1,2,3-cd]pyrene	276		16.824				ND	ND	
195 Benzo[g,h,i]perylene	276		17.363				ND	ND	
199 CAG-800	149		19.675					ND	
256 CN-500	112		19.994					ND	
197 Dibenzo[a,e]pyrene	302		21.642					ND	
295 4-Bromofluorobenzene TIC	1		0.000					ND	
299 1-Bromo-3-fluorobenzene TIC	1		0.000					ND	
290 1,3-Dibromobenzene TIC	1		0.000					ND	
294 3'-Bromoacetophenone TIC	1		0.000					ND	
302 1-Bromo-2-chloroethane TIC	1		0.000					ND	
301 3-Amino-4-Chlorobenzotrifluoride	1		0.000					ND	
293 3-Nitro-4-Chlorobenzotrifluoride	1		0.000					ND	
303 Carbofuran	1		0.000					ND	
298 2-Bromopyridine TIC	1		0.000					ND	
291 1,4-Dibromobenzene TIC	1		0.000					ND	
296 1,2-dichloro-4-(trifluoromethyl)	1		0.000					ND	
292 Ethylene Dibromide TIC	1		0.000					ND	
300 1-Bromo-4-ethylbenzene TIC	1		0.000					ND	
297 Fluorobenzene TIC	1		0.000					ND	
222 2-Chlorobenzotrifluoride TIC	1		0.195					ND	
211 Pendimethalin (TIC)	1		0.195					ND	
210 Dibenzo[a,h]pyrene	1		0.195					ND	
238 Phenylacetic Acid	1		0.195					ND	
233 4-Chlorobenzotrifluoride TIC	1		0.195					ND	
240 Prometryn (TIC)	1		0.195					ND	
204 2,6-Dichlorotoluene TIC	1		0.195					ND	
227 Dibenz[a,j]acridine	279		0.195					ND	
225 Dibenz(a,i)pyrene	1		0.195					ND	
224 1-Bromopropane	1		0.195					ND	
205 Phenylmercaptan	110		0.195					ND	
206 2,4-Toluene diamine	1		0.195					ND	
247 Benefin (TIC)	1		0.195					ND	
201 7H-Dibenzo[c,g]carbazole	1		0.195					ND	
215 trans Azobenzene (TIC)	1		0.195					ND	
218 3-Chlorobenzotrifluoride TIC	1		0.195					ND	
230 2,3-Dichlorophenol	1		0.195					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
219 Photomirex TIC	1		0.195					ND	
212 Hexamethyldisiloxane TIC	1		0.195					ND	
220 Tetramethyl lead TIC	1		0.195					ND	
244 Pendimethalin	1		0.195					ND	
250 Pentachlorophenol_T	266		9.982					ND	
252 Benzidine_T	184		11.268					ND	
254 4,4'-DDD	235		11.779					ND	
253 4,4'-DDE	246		12.113					ND	
255 4,4'-DDT	235		12.113					ND	
S 259 Chlorobenzotrifluoride N.O.S	1		0.195					ND	
S 261 Total Cresols	1				0			0.3105	
S 260 Chlorotoluene N.O.S	1		0.195					ND	
S 263 3-Methylphenol	1				0		0.0400	0.1372	
S 262 3 & 4 Methylphenol	108				0			0.1372	
S 264 EPH Adjustment 1	1		0.195					ND	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- ND - Not Detected or Marked ND

Review Flags
- M - Manually Integrated
- U - Marked Undetected
- a - User Assigned ID

Reagents:

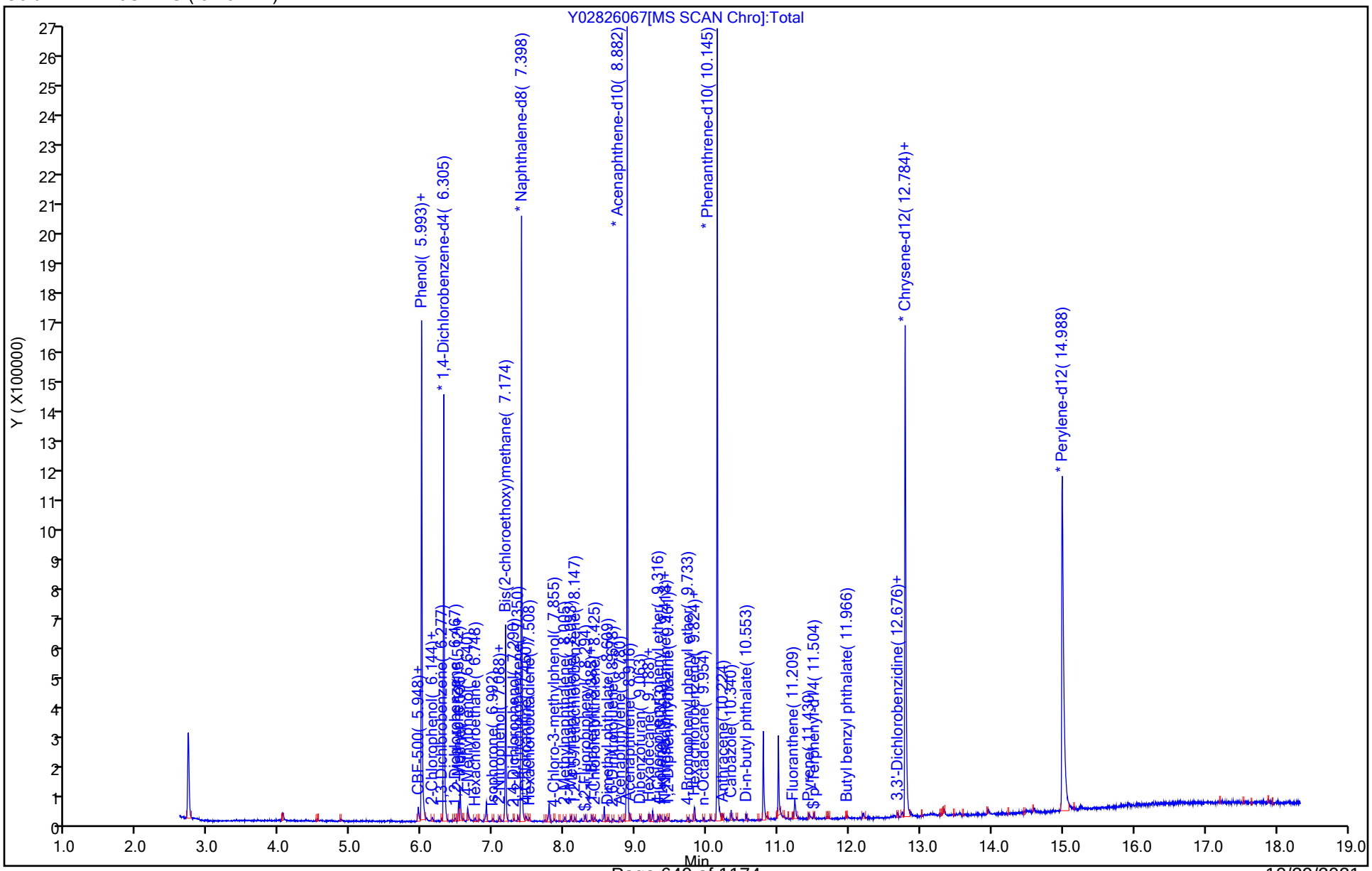
MB_LLIS_WRK_00224 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 27-Oct-2021 12:31:54 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y02826067.D				
Injection Date:	25-Oct-2021 14:32:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	480-191204-B-8-A MSD			Worklist Smp#:	10
Client ID:	BOR-OW-10R-WG				
Injection Vol:	2.0 ul	Dil. Factor:	200.0000	ALS Bottle#:	10
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

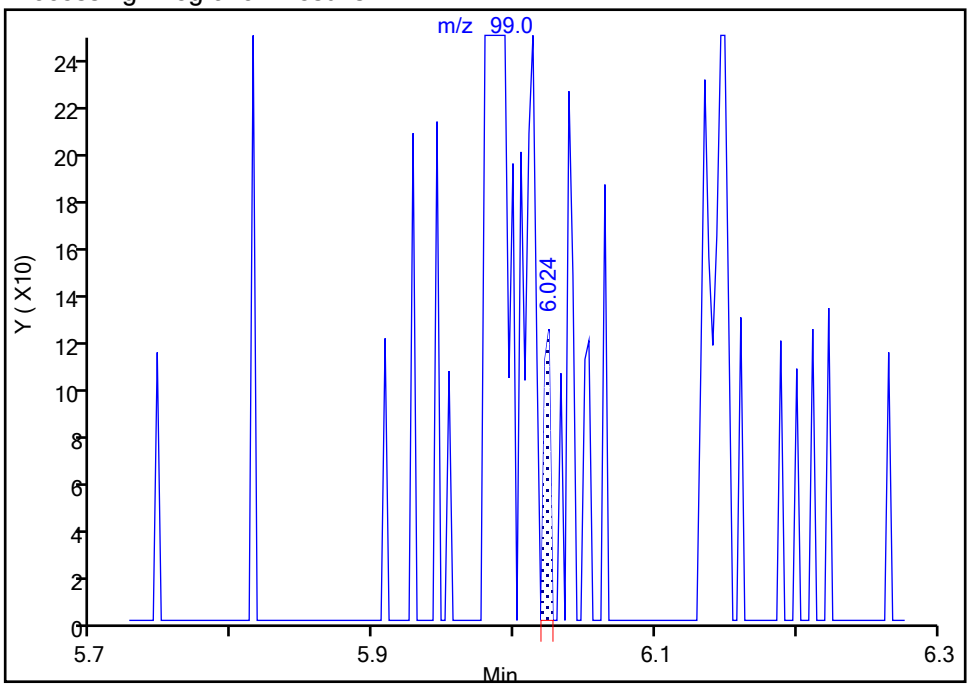
Data File:	\\chromfs\Buffalo\ChromData\HP5973Y\20211025-101890.b\Y02826067.D				
Injection Date:	25-Oct-2021 14:32:30	Instrument ID:	HP5973Y		
Lims ID:	480-191204-B-8-A MSD				
Client ID:	BOR-OW-10R-WG				
Operator ID:	JM	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	2.0 ul	Dil. Factor:	200.0000		
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

$ 8 Phenol-d5, CAS: 4165-62-2

Signal: 1

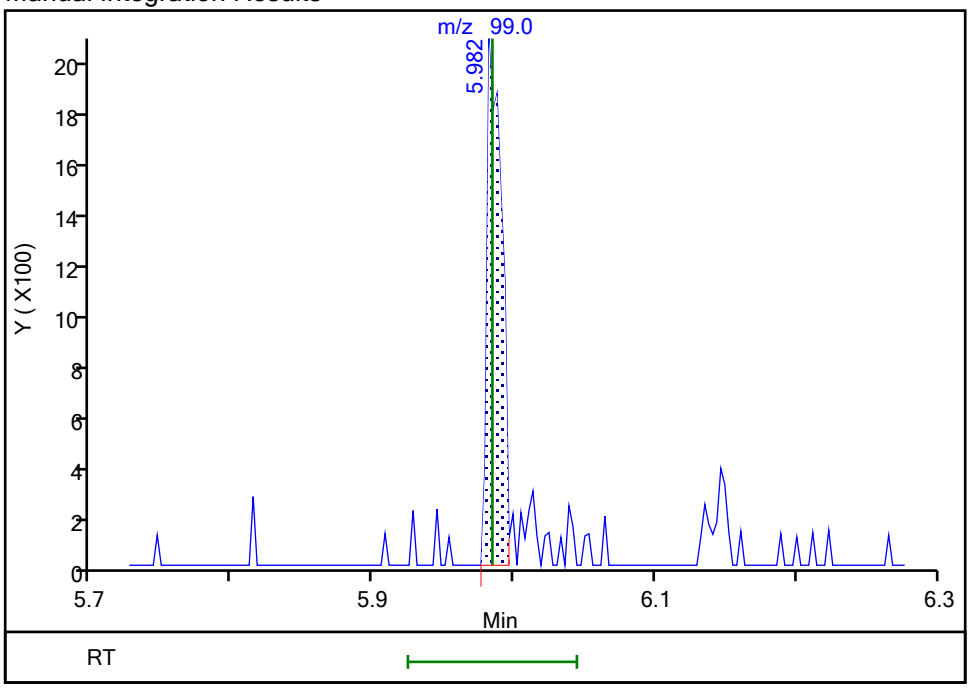
Processing Integration Results

RT: 6.02
Area: 40
Amount: 0.000456
Amount Units: ng/uL



Manual Integration Results

RT: 5.98
Area: 1452
Amount: 0.016548
Amount Units: ng/uL



Reviewer: marshallj, 27-Oct-2021 12:00:36
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Instrument ID: HP5973Y Start Date: 10/07/2021 11:32

Analysis Batch Number: 599414 End Date: 10/07/2021 22:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-599414/2		10/07/2021 11:32	1	Y02825517.D	RXI-5Sil MS 0.25(mm)
IC 480-599414/3		10/07/2021 11:59	1	Y02825518.D	RXI-5Sil MS 0.25(mm)
IC 480-599414/4		10/07/2021 12:26	1	Y02825519.D	RXI-5Sil MS 0.25(mm)
IC 480-599414/5		10/07/2021 12:53	1	Y02825520.D	RXI-5Sil MS 0.25(mm)
IC 480-599414/6		10/07/2021 13:19	1	Y02825521.D	RXI-5Sil MS 0.25(mm)
ICIS 480-599414/7		10/07/2021 13:47	1	Y02825522.D	RXI-5Sil MS 0.25(mm)
IC 480-599414/8		10/07/2021 14:14	1	Y02825523.D	RXI-5Sil MS 0.25(mm)
IC 480-599414/9		10/07/2021 14:40	1	Y02825524.D	RXI-5Sil MS 0.25(mm)
IC 480-599414/10		10/07/2021 15:08	1	Y02825525.D	RXI-5Sil MS 0.25(mm)
ICV 480-599414/11		10/07/2021 15:35	1	Y02825526.D	RXI-5Sil MS 0.25(mm)
CCVIS 480-599414/12		10/07/2021 16:01	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/07/2021 16:29	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/07/2021 16:56	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/07/2021 17:23	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/07/2021 17:50	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/07/2021 18:17	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/07/2021 18:44	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/07/2021 19:11	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/07/2021 19:38	5		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/07/2021 20:05	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/07/2021 20:32	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/07/2021 20:59	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/07/2021 21:26	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/07/2021 21:53	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/07/2021 22:20	5		RXI-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Instrument ID: HP5973Y Start Date: 10/22/2021 11:52

Analysis Batch Number: 601587 End Date: 10/22/2021 23:35

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-601587/2		10/22/2021 11:52	1	Y02825991.D	RXI-5Sil MS 0.25(mm)
CCVIS 480-601587/3		10/22/2021 12:19	1	Y02825992.D	RXI-5Sil MS 0.25(mm)
CCV 480-601587/5		10/22/2021 13:13	1		RXI-5Sil MS 0.25(mm)
CCV 480-601587/7		10/22/2021 14:07	1		RXI-5Sil MS 0.25(mm)
MB 480-601482/1-A		10/22/2021 15:01	1	Y02825998.D	RXI-5Sil MS 0.25(mm)
LCS 480-601482/2-A		10/22/2021 15:28	1	Y02825999.D	RXI-5Sil MS 0.25(mm)
ZZZZZ		10/22/2021 15:55	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/22/2021 16:22	5		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/22/2021 16:49	5		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/22/2021 17:16	5		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/22/2021 17:43	20		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/22/2021 18:10	50		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/22/2021 21:19	20		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/22/2021 21:47	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/22/2021 22:14	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/22/2021 22:41	1		RXI-5Sil MS 0.25(mm)
480-191204-2	BOR-MW-27-WG	10/22/2021 23:08	1	Y02826016.D	RXI-5Sil MS 0.25(mm)
480-191204-5	BOR-BC-SMP-WS	10/22/2021 23:35	1	Y02826017.D	RXI-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Instrument ID: HP5973Y Start Date: 10/25/2021 10:55

Analysis Batch Number: 601851 End Date: 10/25/2021 22:39

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-601851/2		10/25/2021 10:55	1	Y02826059.D	RXI-5Sil MS 0.25(mm)
CCVIS 480-601851/3		10/25/2021 11:22	1	Y02826060.D	RXI-5Sil MS 0.25(mm)
ZZZZZ		10/25/2021 12:43	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/25/2021 13:10	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/25/2021 13:37	1		RXI-5Sil MS 0.25(mm)
480-191204-8 MS	BOR-OW-10R-WG MS	10/25/2021 14:05	200	Y02826066.D	RXI-5Sil MS 0.25(mm)
480-191204-8 MSD	BOR-OW-10R-WG MSD	10/25/2021 14:32	200	Y02826067.D	RXI-5Sil MS 0.25(mm)
480-191204-8	BOR-OW-10R-WG	10/25/2021 14:59	200	Y02826068.D	RXI-5Sil MS 0.25(mm)
480-191204-6	BOR-MW-28-WG	10/25/2021 15:26	1	Y02826069.D	RXI-5Sil MS 0.25(mm)
480-191204-7	BOR-MW-30-WG	10/25/2021 15:53	1	Y02826070.D	RXI-5Sil MS 0.25(mm)
480-191204-9	BOR-OW-35R-WG	10/25/2021 16:20	1	Y02826071.D	RXI-5Sil MS 0.25(mm)
480-191204-10	BOR-DUP-2-WG	10/25/2021 16:47	500	Y02826072.D	RXI-5Sil MS 0.25(mm)
480-191204-14	BOR-MW-35R-WG	10/25/2021 17:42	1	Y02826074.D	RXI-5Sil MS 0.25(mm)
ZZZZZ		10/25/2021 18:09	10		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/25/2021 18:36	10		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/25/2021 19:03	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/25/2021 19:30	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/25/2021 19:57	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/25/2021 20:24	5		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/25/2021 20:51	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/25/2021 21:18	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/25/2021 21:45	5		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/25/2021 22:12	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/25/2021 22:39	5		RXI-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Instrument ID: HP5973Y Start Date: 10/26/2021 16:23

Analysis Batch Number: 602004 End Date: 10/27/2021 04:09

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-602004/2		10/26/2021 16:23	1	Y02826117.D	RXI-5Sil MS 0.25(mm)
CCVIS 480-602004/3		10/26/2021 16:50	1	Y02826118.D	RXI-5Sil MS 0.25(mm)
CCV 480-602004/5		10/26/2021 17:45	1		RXI-5Sil MS 0.25(mm)
CCV 480-602004/7		10/26/2021 18:39	1		RXI-5Sil MS 0.25(mm)
CCV 480-602004/9		10/26/2021 19:33	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/26/2021 20:28	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/26/2021 20:55	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/26/2021 21:22	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/26/2021 21:50	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/26/2021 22:17	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/26/2021 22:44	20		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/26/2021 23:11	10		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/26/2021 23:38	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/27/2021 00:05	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/27/2021 00:33	10		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/27/2021 01:00	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/27/2021 01:27	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/27/2021 01:54	1		RXI-5Sil MS 0.25(mm)
480-191204-13	BOR-MW-15-WG	10/27/2021 02:21	5000	Y02826139.D	RXI-5Sil MS 0.25(mm)
ZZZZZ		10/27/2021 02:48	20		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/27/2021 03:15	5		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/27/2021 03:42	5		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/27/2021 04:09	10		RXI-5Sil MS 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Batch Number: 601482 Batch Start Date: 10/21/21 14:43 Batch Analyst: Campbell, Cameron M

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH	SecondAdjustpH	O_8270LL LCS 00122
MB 480-601482/1		3510C, 8270D		250 mL	1 mL	7 SU	<2 SU	>11 SU	
LCS 480-601482/2		3510C, 8270D		250 mL	1 mL	7 SU	<2 SU	>11 SU	1 mL
480-191204-A-8 MS	BOR-OW-10R-WG	3510C, 8270D	T	50 mL	1 mL	7 SU	<2 SU	>11 SU	1 mL
480-191204-B-8 MSD	BOR-OW-10R-WG	3510C, 8270D	T	50 mL	1 mL	7 SU	<2 SU	>11 SU	1 mL
480-191204-A-8	BOR-OW-10R-WG	3510C, 8270D	T	50 mL	1 mL	7 SU	<2 SU	>11 SU	
480-191204-A-2	BOR-MW-27-WG	3510C, 8270D	T	250 mL	1 mL	7 SU	<2 SU	>11 SU	
480-191204-B-5	BOR-BC-SMP-WS	3510C, 8270D	T	250 mL	1 mL	7 SU	<2 SU	>11 SU	
480-191204-A-6	BOR-MW-28-WG	3510C, 8270D	T	250 mL	1 mL	7 SU	<2 SU	>11 SU	
480-191204-A-7	BOR-MW-30-WG	3510C, 8270D	T	250 mL	1 mL	7 SU	<2 SU	>11 SU	
480-191204-A-9	BOR-OW-35R-WG	3510C, 8270D	T	250 mL	1 mL	7 SU	<2 SU	>11 SU	
480-191204-A-10	BOR-DUP-2-WG	3510C, 8270D	T	50 mL	1 mL	7 SU	<2 SU	>11 SU	
480-191204-B-13	BOR-MW-15-WG	3510C, 8270D	T	50 mL	1 mL	7 SU	<2 SU	>11 SU	
480-191204-A-14	BOR-MW-35R-WG	3510C, 8270D	T	250 mL	1 mL	7 SU	<2 SU	>11 SU	

Lab Sample ID	Client Sample ID	Method Chain	Basis	O_8270LLsurr 00086	AnalysisComment				
MB 480-601482/1		3510C, 8270D		1 mL					
LCS 480-601482/2		3510C, 8270D		1 mL					
480-191204-A-8 MS	BOR-OW-10R-WG	3510C, 8270D	T	1 mL	Cloudy Matrix				
480-191204-B-8 MSD	BOR-OW-10R-WG	3510C, 8270D	T	1 mL	Cloudy Matrix				
480-191204-A-8	BOR-OW-10R-WG	3510C, 8270D	T	1 mL	Cloudy Matrix				
480-191204-A-2	BOR-MW-27-WG	3510C, 8270D	T	1 mL					
480-191204-B-5	BOR-BC-SMP-WS	3510C, 8270D	T	1 mL					
480-191204-A-6	BOR-MW-28-WG	3510C, 8270D	T	1 mL					
480-191204-A-7	BOR-MW-30-WG	3510C, 8270D	T	1 mL					
480-191204-A-9	BOR-OW-35R-WG	3510C, 8270D	T	1 mL					
480-191204-A-10	BOR-DUP-2-WG	3510C, 8270D	T	1 mL	Cloudy Matrix				
480-191204-B-13	BOR-MW-15-WG	3510C, 8270D	T	1 mL	Cloudy Matrix				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Batch Number: 601482 Batch Start Date: 10/21/21 14:43 Batch Analyst: Campbell, Cameron M

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	O_8270LLsurr 00086	AnalysisComment				
480-191204-A-14	BOR-MW-35R-WG	3510C, 8270D	T	2 mL					

Batch Notes	
Method/Fraction	3510C_LVI/8270D
Analyst ID - Extraction	CC
Analyst ID - Spike Analyst	CC
Analyst ID - Spike Witness Analyst	CC
Sufficient Volume for Batch QC	Yes
Acid Used for pH Adjustment ID	6650797
Base Used to Adjust pH ID	6650804
Prep Solvent ID	6714719
Prep Solvent Volume Used	120 mL
Na2SO4 ID	6673813
Analyst ID - Concentration	CC
Vial Lot Number	00259742

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8082A

Polychlorinated Biphenyls (PCBs) (GC) by Method 8082A

FORM II
PCBS SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): ZB-5 ID: 0.53(mm) GC Column (2): ZB-35 ID: 0.53(mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCBP1 #	DCBP2 #
BOR-MW-2B-WG	480-191204-1	69	77	90	114
BOR-DUP-1-WG	480-191204-3	86	98	82	106
BOR-MW-17-1-WG	480-191204-4	91	99	86	109
	MB 480-601489/1-A	63	70	55	63
	LCS 480-601489/2-A	89	96	44	55
BOR-MW-2B-WG MS	480-191204-1 MS	72	79	84	106
BOR-MW-2B-WG MSD	480-191204-1 MSD	84	91	96	120

	QC LIMITS
TCX = Tetrachloro-m-xylene	39-121
DCBP = DCB Decachlorobiphenyl	19-120

Column to be used to flag recovery values

FORM II 8082A

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 7_111-164.D

Lab ID: LCS 480-601489/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
PCB-1016	4.00	4.25	106	62-130	
PCB-1260	4.00	3.72	93	56-123	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM III
PCBS MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 7_111-165.D

Lab ID: 480-191204-1 MS Client ID: BOR-MW-2B-WG MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
PCB-1016	4.00	ND	4.20	105	28-150	
PCB-1260	4.00	ND	4.31	108	25-131	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM III
PCBS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 7_111-166.D

Lab ID: 480-191204-1 MSD Client ID: BOR-MW-2B-WG MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
PCB-1016	4.00	4.83	121	14	50	28-150	
PCB-1260	4.00	4.82	120	11	50	25-131	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: MB 480-601489/1-A

Matrix: Water Date Extracted: 10/21/2021 14:54

Lab File ID:(1) 7_111-163.D Lab File ID:(2) 7_111-163.D

Date Analyzed:(1) 10/25/2021 17:37 Date Analyzed:(2) 10/25/2021 17:37

Instrument ID:(1) HP6890-7 Instrument ID:(2) HP6890-7

GC Column:(1) ZB-5 ID: 0.53(mm) GC Column:(2) ZB-35 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 480-601489/2-A	10/25/2021 17:50	10/25/2021 17:50
BOR-MW-2B-WG MS	480-191204-1 MS	10/25/2021 18:03	10/25/2021 18:03
BOR-MW-2B-WG MSD	480-191204-1 MSD	10/25/2021 18:16	10/25/2021 18:16
BOR-MW-2B-WG	480-191204-1	10/25/2021 18:29	10/25/2021 18:29
BOR-DUP-1-WG	480-191204-3	10/25/2021 20:37	10/25/2021 20:37
BOR-MW-17-1-WG	480-191204-4	10/25/2021 20:50	10/25/2021 20:50

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Sample No.: ICIS 480-581108/6 Date Analyzed: 05/14/2021 19:18

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm)

Lab File ID (Standard): 7_97-018.D Heated Purge: (Y/N) N

Calibration ID: 41829

		BNB					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		11817886	1.83				
UPPER LIMIT		23635772	2.33				
LOWER LIMIT		5908943	1.33				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 480-581108/9		11474133	1.83				
ICV 480-581108/17		11347696	1.83				
ICV 480-581108/21		11470274	1.83				
ICV 480-581108/25		11495257	1.83				
ICV 480-581108/29		11446175	1.83				
480-191204-1 MS	BOR-MW-2B-WG MS	9053816	1.74				
480-191204-1 MSD	BOR-MW-2B-WG MSD	8405959	1.74				
480-191204-1	BOR-MW-2B-WG	8935689	1.74				
480-191204-3	BOR-DUP-1-WG	8564236	1.74				
480-191204-4	BOR-MW-17-1-WG	7993054	1.74				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Sample No.: ICIS 480-581108/6 Date Analyzed: 05/14/2021 19:18

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm)

Lab File ID (Standard): 7_97-018.D Heated Purge: (Y/N) N

Calibration ID: 41830

		BNB					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		11254941	2.02				
UPPER LIMIT		22509882	2.52				
LOWER LIMIT		5627471	1.52				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 480-581108/9		10982864	2.02				
ICV 480-581108/17		10882661	2.02				
ICV 480-581108/21		10998245	2.02				
ICV 480-581108/25		11070638	2.02				
ICV 480-581108/29		11039304	2.02				
480-191204-1 MS	BOR-MW-2B-WG MS	8787468	1.93				
480-191204-1 MSD	BOR-MW-2B-WG MSD	8180444	1.93				
480-191204-1	BOR-MW-2B-WG	8571321	1.93				
480-191204-3	BOR-DUP-1-WG	8317223	1.93				
480-191204-4	BOR-MW-17-1-WG	7736760	1.93				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Sample No.: CCVIS 480-601894/6 Date Analyzed: 10/25/2021 13:46

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm)

Lab File ID (Standard): 7_111-145.D Heated Purge: (Y/N) N

Calibration ID: 41845

		BNB					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		11603947	1.74				
UPPER LIMIT		23207894	2.24				
LOWER LIMIT		5801974	1.24				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-601894/7		11718709	1.74				
CCV 480-601894/8		11576778	1.74				
CCV 480-601894/9		9897623	1.74				
CCV 480-601894/10		10714494	1.74				
MB 480-601489/1-A		8795814	1.74				
LCS 480-601489/2-A		8596621	1.74				
480-191204-1 MS	BOR-MW-2B-WG MS	9053816	1.74				
480-191204-1 MSD	BOR-MW-2B-WG MSD	8405959	1.74				
480-191204-1	BOR-MW-2B-WG	8935689	1.74				
CCV 480-601894/32		9987700	1.74				
480-191204-3	BOR-DUP-1-WG	8564236	1.74				
480-191204-4	BOR-MW-17-1-WG	7993054	1.74				
CCV 480-601894/54		9677604	1.75				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Sample No.: CCVIS 480-601894/6 Date Analyzed: 10/25/2021 13:46

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm)

Lab File ID (Standard): 7_111-145.D Heated Purge: (Y/N) N

Calibration ID: 41846

		BNB					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		11877889	1.93				
UPPER LIMIT		23755778	2.43				
LOWER LIMIT		5938945	1.43				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-601894/7		11962126	1.93				
CCV 480-601894/8		11901407	1.93				
CCV 480-601894/9		9641230	1.93				
CCV 480-601894/10		11018824	1.93				
MB 480-601489/1-A		8515097	1.93				
LCS 480-601489/2-A		8369742	1.93				
480-191204-1 MS	BOR-MW-2B-WG MS	8787468	1.93				
480-191204-1 MSD	BOR-MW-2B-WG MSD	8180444	1.93				
480-191204-1	BOR-MW-2B-WG	8571321	1.93				
CCV 480-601894/32		10190237	1.93				
480-191204-3	BOR-DUP-1-WG	8317223	1.93				
480-191204-4	BOR-MW-17-1-WG	7736760	1.93				
CCV 480-601894/54		9745990	1.94				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Client Sample ID: BOR-MW-2B-WG Lab Sample ID: 480-191204-1

Instrument ID (1): HP6890-7 Instrument ID (2): HP6890-7

Date Analyzed (1): 10/25/2021 18:29 Date Analyzed (2): 10/25/2021 18:29

GC Column (1): ZB-5 ID: 0.53(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1242	1	2	3.31	3.28	3.34	0.466	0.56	47.4
		3	3.68	3.65	3.71	0.899		
		4	3.77	3.74	3.80	0.494		
		5	4.14	4.11	4.17	0.978		
	2	1	3.13	3.10	3.16	1.76	0.91	
		2	3.49	3.45	3.51	0.861		
		3	3.83	3.80	3.86	1.03		
		5	4.35	4.32	4.38	0.823		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Client Sample ID: BOR-MW-2B-WG MS Lab Sample ID: 480-191204-1 MS

Instrument ID (1): HP6890-7 Instrument ID (2): HP6890-7

Date Analyzed (1): 10/25/2021 18:03 Date Analyzed (2): 10/25/2021 18:03

GC Column (1): ZB-5 ID: 0.53(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	2.97	2.94	3.00	3.22	3.72	12.1
		2	3.31	3.28	3.34	3.34		
		3	3.68	3.65	3.71	4.23		
		4	3.77	3.74	3.80	3.82		
		5	4.14	4.11	4.17	4.01		
	2	1	3.13	3.10	3.16	3.82	4.20	
		2	3.48	3.45	3.51	4.24		
		3	3.83	3.80	3.86	4.60		
		4	3.96	3.92	3.98	3.92		
		5	4.35	4.32	4.38	4.43		
PCB-1242	1	1	2.97	2.94	3.00	4.29	5.03	9.5
		2	3.31	3.28	3.34	4.65		
		3	3.68	3.65	3.71	5.77		
		4	3.77	3.74	3.80	5.04		
		5	4.14	4.11	4.17	5.39		
	2	1	3.13	3.10	3.16	5.05	5.53	
		2	3.48	3.45	3.51	5.69		
		3	3.83	3.80	3.86	6.28		
		4	3.96	3.92	3.98	5.50		
		5	4.35	4.32	4.38	5.11		
PCB-1260	1	1	5.19	5.16	5.22	3.56	3.40	23.7
		2	5.37	5.34	5.40	3.60		
		3	5.61	5.58	5.64	3.51		
		4	5.76	5.73	5.79	3.41		
		5	6.24	6.20	6.26	2.93		
	2	1	5.36	5.32	5.38	4.53	4.31	
		2	5.46	5.43	5.49	4.14		
		3	5.82	5.79	5.85	4.36		
		4	6.22	6.19	6.25	4.43		
		5	6.40	6.36	6.42	4.11		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Client Sample ID: BOR-MW-2B-WG MSD Lab Sample ID: 480-191204-1 MSD

Instrument ID (1): HP6890-7 Instrument ID (2): HP6890-7

Date Analyzed (1): 10/25/2021 18:16 Date Analyzed (2): 10/25/2021 18:16

GC Column (1): ZB-5 ID: 0.53(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	2.97	2.94	3.00	3.67	4.21	13.8
		2	3.31	3.28	3.34	3.85		
		3	3.68	3.65	3.71	4.56		
		4	3.77	3.74	3.80	4.36		
		5	4.14	4.11	4.17	4.61		
	2	1	3.13	3.10	3.16	4.32	4.83	
		2	3.48	3.45	3.51	4.91		
		3	3.83	3.80	3.86	5.19		
		4	3.95	3.92	3.98	4.48		
		5	4.35	4.32	4.38	5.26		
PCB-1242	1	1	2.97	2.94	3.00	4.89	5.69	11.1
		2	3.31	3.28	3.34	5.37		
		3	3.68	3.65	3.71	6.22		
		4	3.77	3.74	3.80	5.76		
		5	4.14	4.11	4.17	6.21		
	2	1	3.13	3.10	3.16	5.71	6.35	
		2	3.48	3.45	3.51	6.58		
		3	3.83	3.80	3.86	7.10		
		4	3.95	3.92	3.98	6.30		
		5	4.35	4.32	4.38	6.07		
PCB-1260	1	1	5.19	5.16	5.22	4.22	4.01	18.4
		2	5.37	5.34	5.40	4.26		
		3	5.61	5.58	5.64	4.09		
		4	5.76	5.73	5.79	3.91		
		5	6.24	6.20	6.26	3.56		
	2	1	5.36	5.32	5.38	5.11	4.82	
		2	5.46	5.43	5.49	4.60		
		3	5.82	5.79	5.85	4.84		
		4	6.22	6.19	6.25	4.94		
		5	6.39	6.36	6.42	4.60		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Client Sample ID: BOR-DUP-1-WG Lab Sample ID: 480-191204-3

Instrument ID (1): HP6890-7 Instrument ID (2): HP6890-7

Date Analyzed (1): 10/25/2021 20:37 Date Analyzed (2): 10/25/2021 20:37

GC Column (1): ZB-5 ID: 0.53(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1242	1	2	3.31	3.28	3.34	0.616	0.66	16.9
		3	3.69	3.65	3.71	1.04		
		4	3.77	3.74	3.80	0.572		
		5	4.14	4.11	4.17	1.11		
	2	1	3.13	3.10	3.16	0.519	0.78	
		2	3.49	3.45	3.51	1.07		
		3	3.83	3.80	3.86	1.23		
		5	4.35	4.32	4.38	1.01		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-601489/2-A

Instrument ID (1): HP6890-7 Instrument ID (2): HP6890-7

Date Analyzed (1): 10/25/2021 17:50 Date Analyzed (2): 10/25/2021 17:50

GC Column (1): ZB-5 ID: 0.53(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	2.97	2.94	3.00	3.78	3.68	14.4
		2	3.31	3.28	3.34	3.36		
		3	3.68	3.65	3.71	3.66		
		4	3.77	3.74	3.80	3.93		
		5	4.14	4.11	4.17	3.67		
	2	1	3.13	3.10	3.16	4.41	4.25	
		2	3.48	3.45	3.51	4.29		
		3	3.83	3.80	3.86	4.28		
		4	3.95	3.92	3.98	4.05		
		5	4.35	4.32	4.38	4.23		
PCB-1260	1	1	5.19	5.16	5.22	3.47	3.06	19.3
		2	5.37	5.34	5.40	3.29		
		3	5.62	5.58	5.64	3.15		
		4	5.76	5.73	5.79	2.86		
		5	6.24	6.20	6.26	2.52		
	2	1	5.36	5.32	5.38	4.24	3.72	
		2	5.46	5.43	5.49	3.82		
		3	5.82	5.79	5.85	3.95		
		4	6.22	6.19	6.25	3.68		
		5	6.40	6.36	6.42	2.88		

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Client Sample ID: BOR-MW-2B-WG Lab Sample ID: 480-191204-1

Matrix: Water Lab File ID: 7_111-167.D

Analysis Method: 8082A Date Collected: 10/20/2021 13:20

Extraction Method: 3510C Date Extracted: 10/21/2021 14:54

Sample wt/vol: 250(mL) Date Analyzed: 10/25/2021 18:29

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-5 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 601894 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	69		39-121
2051-24-3	DCB Decachlorobiphenyl	90		19-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-167.D
Lims ID: 480-191204-A-1-C
Client ID: BOR-MW-2B-WG
Sample Type: Client
Inject. Date: 25-Oct-2021 18:29:14 ALS Bottle#: 0 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 26-Oct-2021 13:09:47 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1634

First Level Reviewer: chumongkolratn Date: 26-Oct-2021 13:09:47

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.739	1.738	0.001	8935689	0.5000	
2	1.933	1.932	0.000	8571321	0.5000	
					RPD = 0.00	
$ 3 Tetrachloro-m-xylene						
1	2.706	2.704	0.002	317829	0.0139	
2	2.686	2.683	0.004	344787	0.0154	
					RPD = 10.29	
14 PCB-1242						M
1	2.974	2.973	0.001	2075	-0.005538	
1	3.307	3.305	0.002	24057	0.0583	
1	3.683	3.681	0.002	103026	0.1124	M
1	3.768	3.767	0.001	35672	0.0618	
1	4.138	4.137	0.001	48085	0.1223	
		Average of Peak Amounts =			0.0698	
2	3.129	3.130	-0.001	56795	0.2201	
2	3.492	3.481	0.011	63916	0.1076	
2	3.833	3.831	0.002	103390	0.1285	
2	3.955	3.953	0.003	7056	0.007014	
2	4.352	4.352	0.000	51928	0.1028	
		Average of Peak Amounts =			0.1132	
					RPD = 47.37	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
8 PCB-1260						7
1	5.193	5.185	0.007	8676	0.002946	
1	5.369	5.368	0.001	6681	-0.002255	
1	5.614	5.613	0.001	7221	0.000394	
1	5.757	5.755	0.002	2831	-0.002648	
1	6.238	6.234	0.004	5593	-0.001523	
		Average of Peak Amounts =			-0.000617	
2	5.356	5.354	0.002	2295	-0.001257	
2	5.458	5.456	0.002	6837	0.006475	
2	5.824	5.823	0.002	4506	0.003098	
2	6.223	6.218	0.005	2514	0.000875	
2	6.395	6.394	0.001	5414	0.001348	
		Average of Peak Amounts =			0.002108	
					RPD = 365.57	
LOD = 0.0100						
10 1260 Res 1						
1	6.574	6.570	0.004	3353	NC	
2	6.223	6.218	0.006	2514	NC	
11 1260 Res 2						
1	6.661	6.656	0.005	1343	NC	
2	6.309	6.304	0.005	1918	NC	
12 1260 Res 3						
1	6.722	6.723	-0.001	1540	NC	
2	6.395	6.394	0.001	5414	NC	
$ 13 DCB Decachlorobiphenyl						
1	8.446	8.443	0.003	322894	0.0179	
2	8.879	8.881	-0.002	425812	0.0229	
					RPD = 24.29	

QC Flag Legend

Processing Flags
NC - Not Calibrated
7 - Failed Limit of Detection
Review Flags
M - Manually Integrated

Reagents:

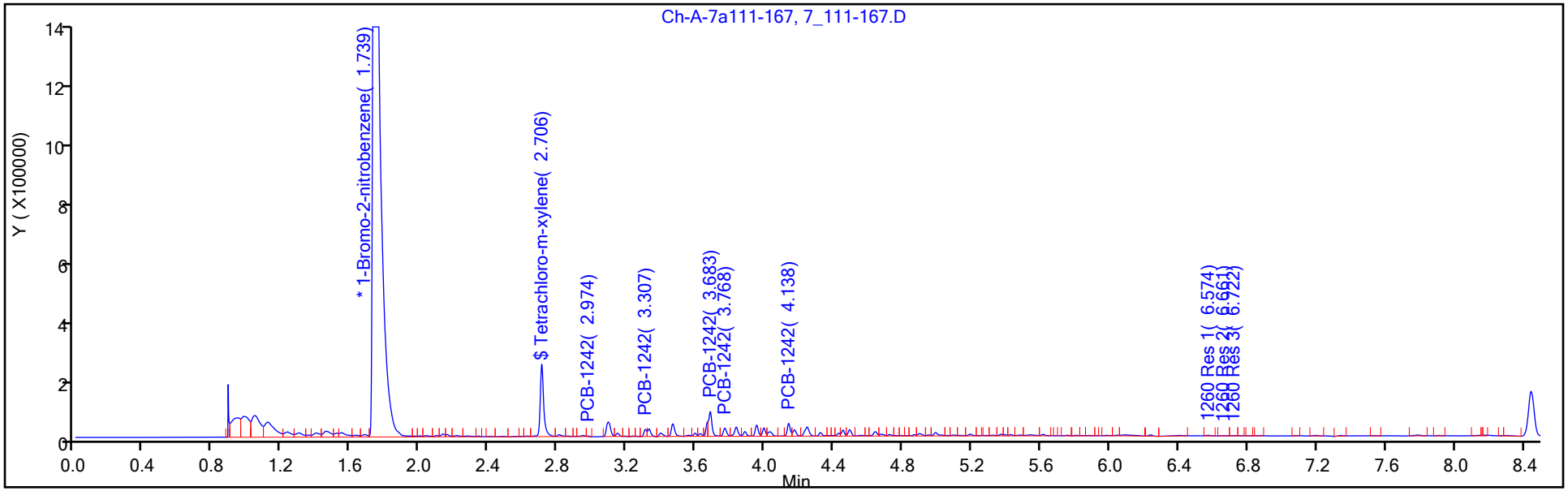
PCB IS 1B2NB_00081 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 26-Oct-2021 13:09:47 Chrom Revision: 2.3 22-Sep-2021 15:38:46

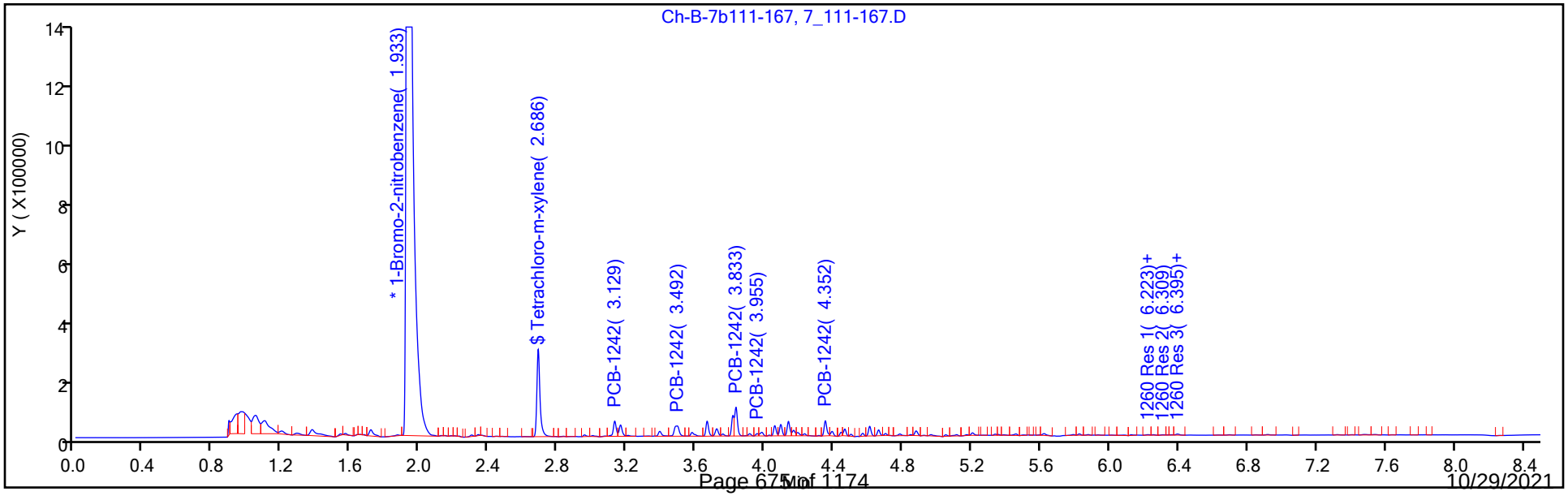
Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-167.D				
Injection Date:	25-Oct-2021 18:29:14	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	480-191204-A-1-C	Lab Sample ID:	480-191204-1	Worklist Smp#:	28
Client ID:	BOR-MW-2B-WG				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



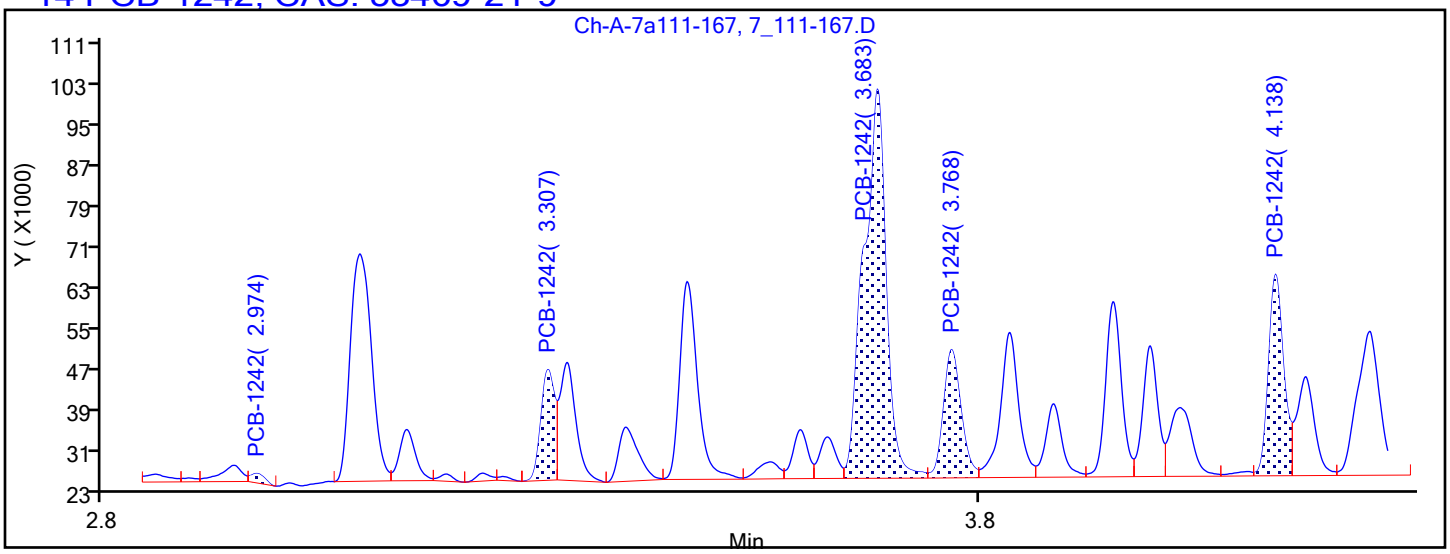
Report Date: 26-Oct-2021 13:09:47 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-167.D

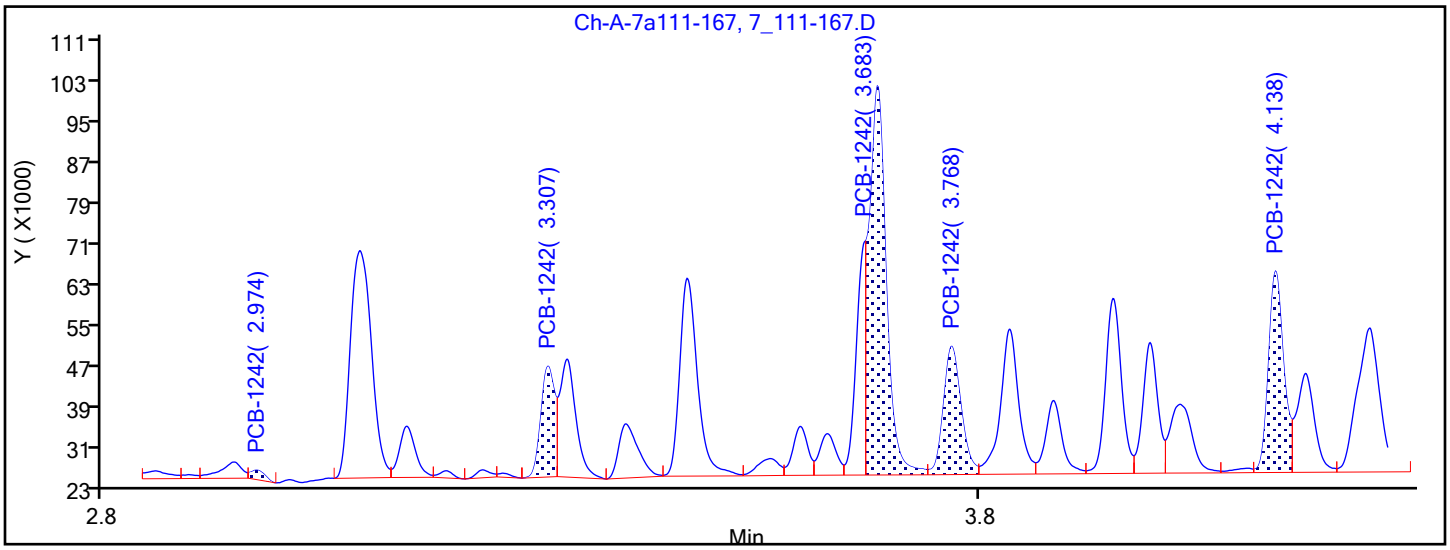
Injection Date:	25-Oct-2021 18:29:14	Instrument ID:	HP6890-7		
Lims ID:	480-191204-A-1-C	Lab Sample ID:	480-191204-1		
Client ID:	BOR-MW-2B-WG				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		
Column:	ZB-5 (0.53 mm)	Detector	Ch-A-7A136		

14 PCB-1242, CAS: 53469-21-9



Processing Integration Results

2.974	Response = 2075
3.307	Response = 24057
3.683	Response = 136013
3.768	Response = 35672
4.138	Response = 48085



Manual Integration Results

2.974	Response = 2075	
3.307	Response = 24057	
3.683	Response = 103026	M
3.768	Response = 35672	
4.138	Response = 48085	

Reviewer: chumongkolratn, 26-Oct-2021 13:09:31

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Client Sample ID: BOR-MW-2B-WG Lab Sample ID: 480-191204-1

Matrix: Water Lab File ID: 7_111-167.D

Analysis Method: 8082A Date Collected: 10/20/2021 13:20

Extraction Method: 3510C Date Extracted: 10/21/2021 14:54

Sample wt/vol: 250(mL) Date Analyzed: 10/25/2021 18:29

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-35 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 601894 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.50	0.18
11104-28-2	PCB-1221	ND		0.50	0.18
11141-16-5	PCB-1232	ND		0.50	0.18
53469-21-9	PCB-1242	0.91		0.50	0.18
12672-29-6	PCB-1248	ND		0.50	0.18
11097-69-1	PCB-1254	ND		0.50	0.25
11096-82-5	PCB-1260	ND		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	77		39-121
2051-24-3	DCB Decachlorobiphenyl	114		19-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-167.D
Lims ID: 480-191204-A-1-C
Client ID: BOR-MW-2B-WG
Sample Type: Client
Inject. Date: 25-Oct-2021 18:29:14 ALS Bottle#: 0 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 26-Oct-2021 13:09:47 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1634

First Level Reviewer: chumongkolratn Date: 26-Oct-2021 13:09:47

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.739	1.738	0.001	8935689	0.5000	
2	1.933	1.932	0.000	8571321	0.5000	
					RPD = 0.00	
$ 3 Tetrachloro-m-xylene						
1	2.706	2.704	0.002	317829	0.0139	
2	2.686	2.683	0.004	344787	0.0154	
					RPD = 10.29	
14 PCB-1242						M
1	2.974	2.973	0.001	2075	-0.005538	
1	3.307	3.305	0.002	24057	0.0583	
1	3.683	3.681	0.002	103026	0.1124	M
1	3.768	3.767	0.001	35672	0.0618	
1	4.138	4.137	0.001	48085	0.1223	
		Average of Peak Amounts =			0.0698	
2	3.129	3.130	-0.001	56795	0.2201	
2	3.492	3.481	0.011	63916	0.1076	
2	3.833	3.831	0.002	103390	0.1285	
2	3.955	3.953	0.003	7056	0.007014	
2	4.352	4.352	0.000	51928	0.1028	
		Average of Peak Amounts =			0.1132	
					RPD = 47.37	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
8 PCB-1260						7
1	5.193	5.185	0.007	8676	0.002946	
1	5.369	5.368	0.001	6681	-0.002255	
1	5.614	5.613	0.001	7221	0.000394	
1	5.757	5.755	0.002	2831	-0.002648	
1	6.238	6.234	0.004	5593	-0.001523	
		Average of Peak Amounts =			-0.000617	
2	5.356	5.354	0.002	2295	-0.001257	
2	5.458	5.456	0.002	6837	0.006475	
2	5.824	5.823	0.002	4506	0.003098	
2	6.223	6.218	0.005	2514	0.000875	
2	6.395	6.394	0.001	5414	0.001348	
		Average of Peak Amounts =			0.002108	
					RPD = 365.57	
LOD = 0.0100						
10 1260 Res 1						
1	6.574	6.570	0.004	3353	NC	
2	6.223	6.218	0.006	2514	NC	
11 1260 Res 2						
1	6.661	6.656	0.005	1343	NC	
2	6.309	6.304	0.005	1918	NC	
12 1260 Res 3						
1	6.722	6.723	-0.001	1540	NC	
2	6.395	6.394	0.001	5414	NC	
$ 13 DCB Decachlorobiphenyl						
1	8.446	8.443	0.003	322894	0.0179	
2	8.879	8.881	-0.002	425812	0.0229	
					RPD = 24.29	

QC Flag Legend

Processing Flags
NC - Not Calibrated
7 - Failed Limit of Detection
Review Flags
M - Manually Integrated

Reagents:

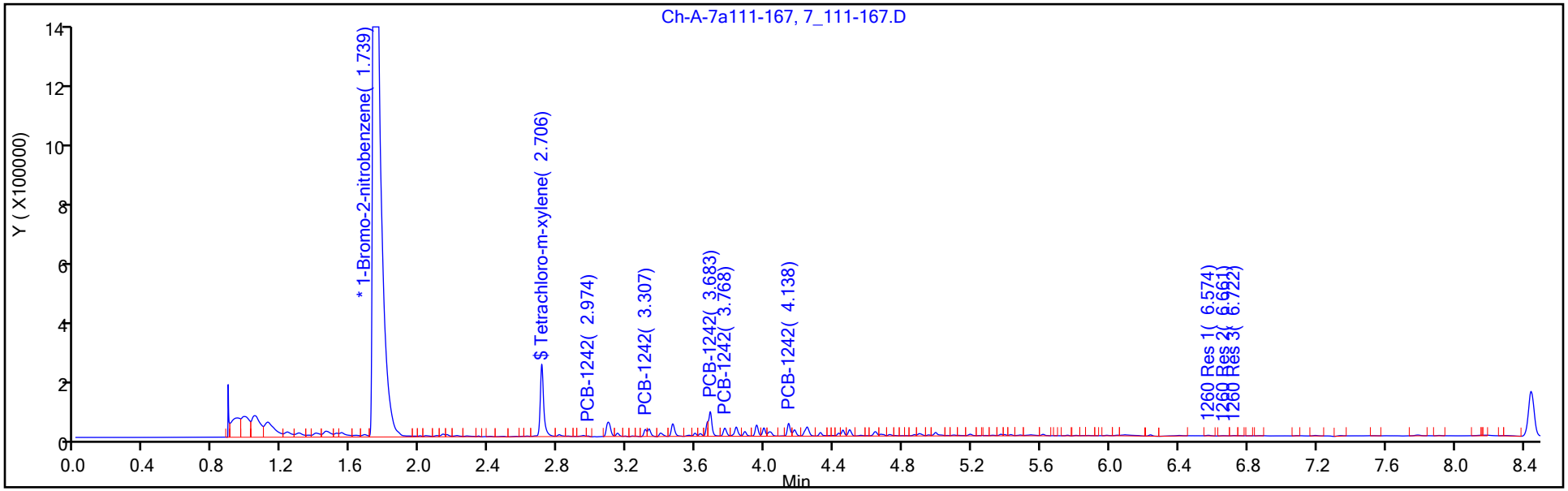
PCB IS 1B2NB_00081 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 26-Oct-2021 13:09:48 Chrom Revision: 2.3 22-Sep-2021 15:38:46

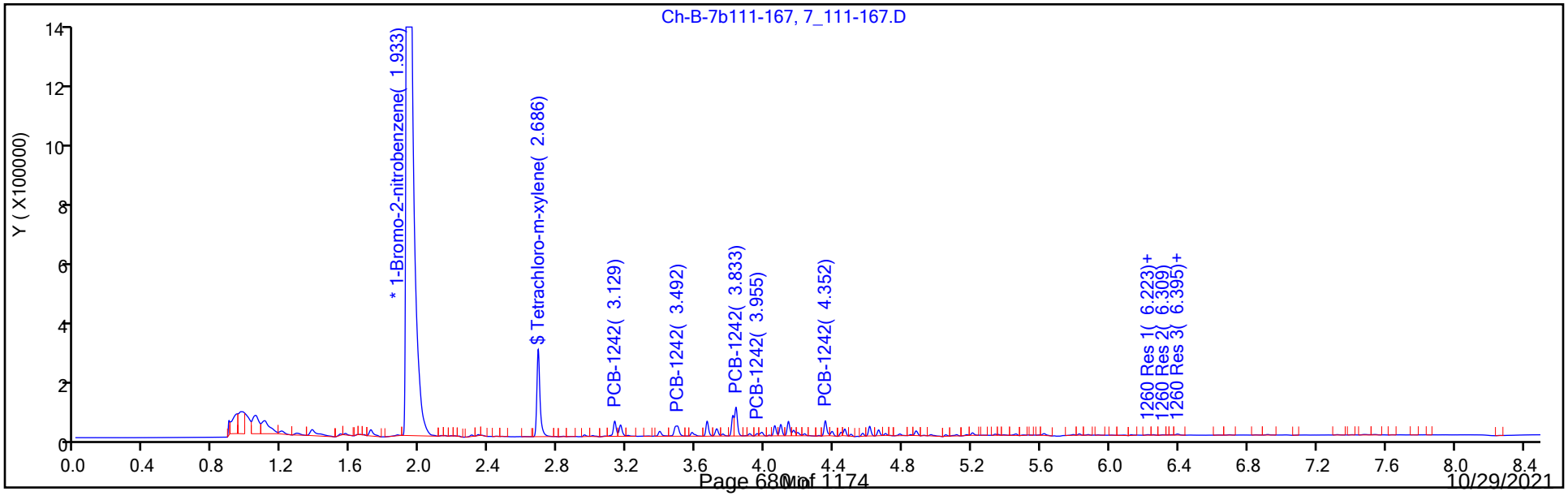
Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-167.D				
Injection Date:	25-Oct-2021 18:29:14	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	480-191204-A-1-C	Lab Sample ID:	480-191204-1	Worklist Smp#:	28
Client ID:	BOR-MW-2B-WG				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Client Sample ID: BOR-DUP-1-WG Lab Sample ID: 480-191204-3

Matrix: Water Lab File ID: 7_111-177.D

Analysis Method: 8082A Date Collected: 10/20/2021 08:00

Extraction Method: 3510C Date Extracted: 10/21/2021 14:54

Sample wt/vol: 250(mL) Date Analyzed: 10/25/2021 20:37

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-5 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 601894 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	86		39-121
2051-24-3	DCB Decachlorobiphenyl	82		19-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-177.D
Lims ID: 480-191204-B-3-A
Client ID: BOR-DUP-1-WG
Sample Type: Client
Inject. Date: 25-Oct-2021 20:37:53 ALS Bottle#: 0 Worklist Smp#: 38
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 26-Oct-2021 13:29:10 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1634

First Level Reviewer: chumongkolratn Date: 26-Oct-2021 13:29:10

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.741	1.738	0.003	8564236	0.5000	
2	1.934	1.932	0.002	8317223	0.5000	
					RPD = 0.00	
$ 3 Tetrachloro-m-xylene						
1	2.708	2.704	0.004	377332	0.0172	
2	2.687	2.683	0.005	424799	0.0195	
					RPD = 12.72	
14 PCB-1242						M
1	2.975	2.973	0.002	1629	-0.006917	
1	3.308	3.305	0.003	29164	0.0769	
1	3.685	3.681	0.004	113886	0.1305	M
1	3.769	3.767	0.002	38688	0.0715	
1	4.139	4.137	0.002	52104	0.1393	
		Average of Peak Amounts =			0.0823	
2	3.131	3.130	0.001	18310	0.0649	
2	3.492	3.481	0.011	75737	0.1336	
2	3.833	3.831	0.002	118957	0.1533	
2	3.956	3.953	0.004	8022	0.009533	
2	4.353	4.352	0.000	61031	0.1260	
		Average of Peak Amounts =			0.0975	
					RPD = 16.91	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
10 1260 Res 1						
1	6.575	6.570	0.005	2117	NC	
2	6.231	6.218	0.013	1379	NC	
11 1260 Res 2						
1	6.657	6.656	0.001	573	NC	
2	6.318	6.304	0.013	902	NC	
12 1260 Res 3						
1	6.724	6.723	0.002	513	NC	
2	6.394	6.394	0.000	1318	NC	
$ 13 DCB Decachlorobiphenyl						
1	8.448	8.443	0.005	284890	0.0165	
2	8.883	8.881	0.002	381390	0.0211	
					RPD = 24.62	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

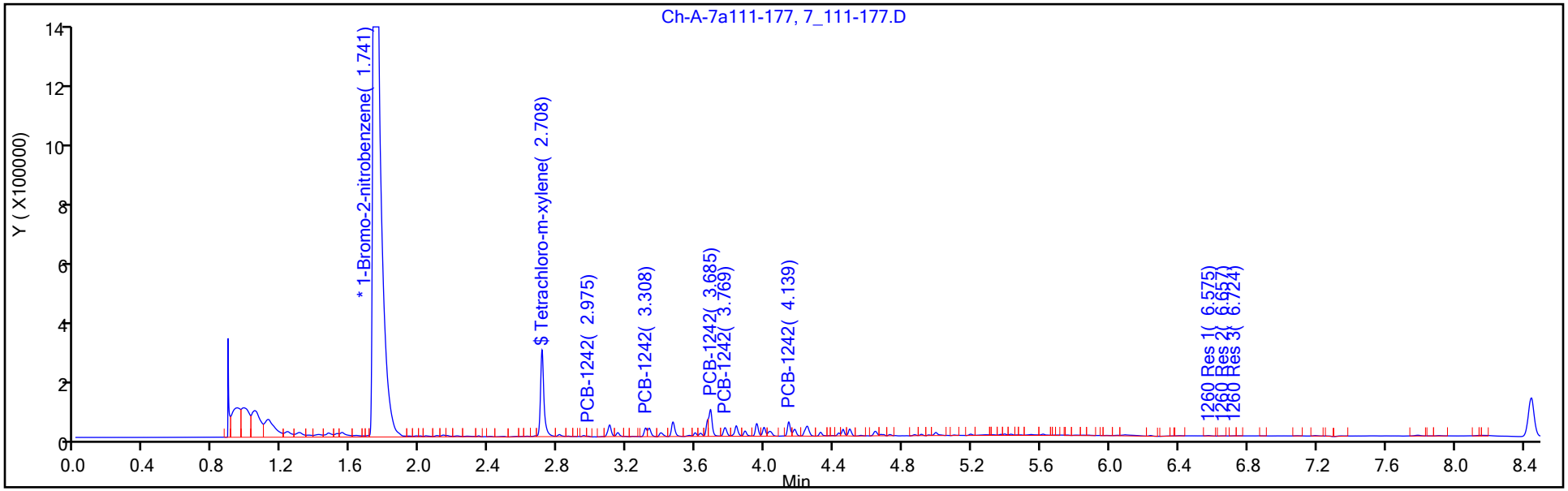
PCB IS 1B2NB_00081 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 26-Oct-2021 13:29:10 Chrom Revision: 2.3 22-Sep-2021 15:38:46

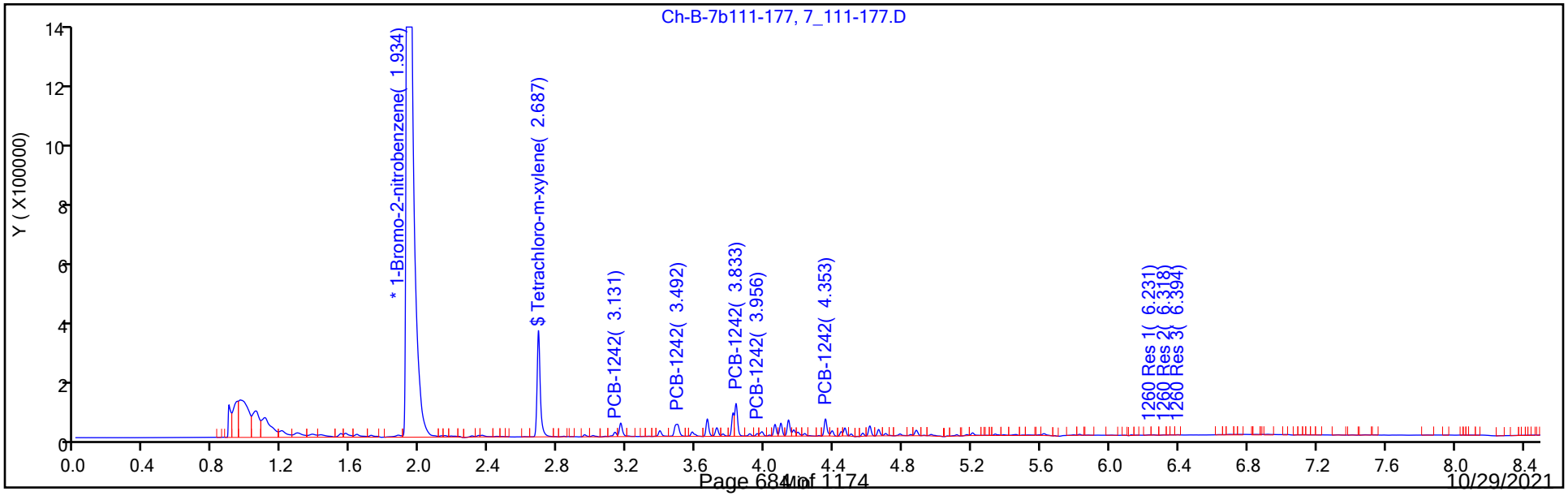
Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-177.D				
Injection Date:	25-Oct-2021 20:37:53	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	480-191204-B-3-A	Lab Sample ID:	480-191204-3	Worklist Smp#:	38
Client ID:	BOR-DUP-1-WG				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



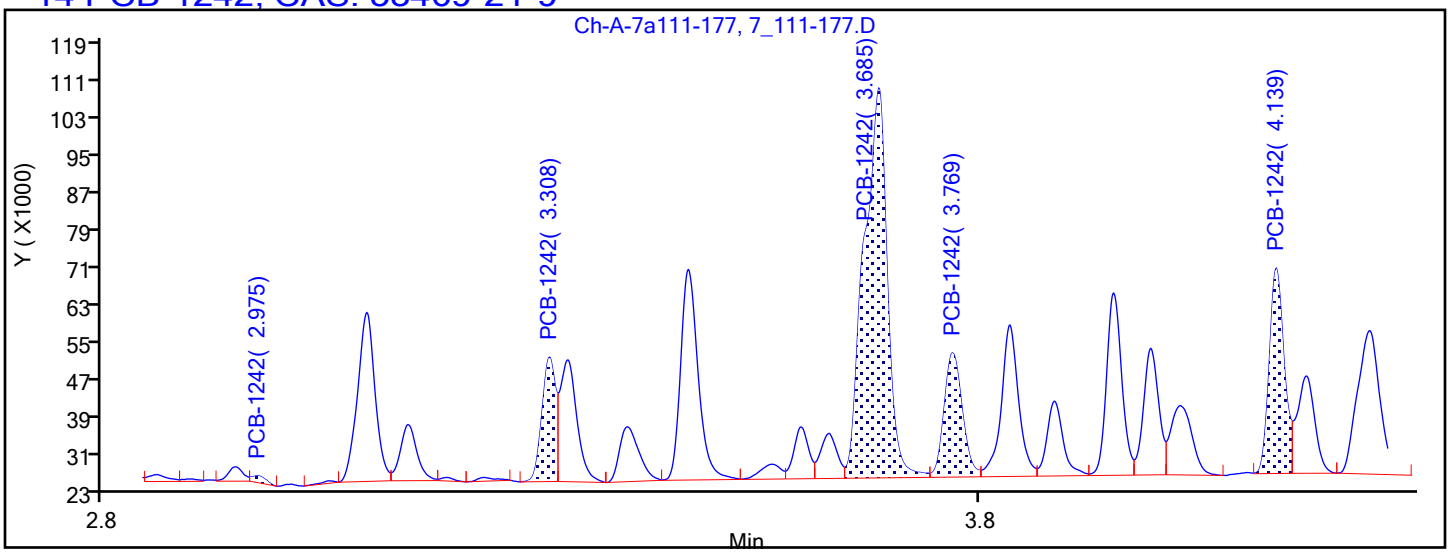
Report Date: 26-Oct-2021 13:29:10 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-177.D

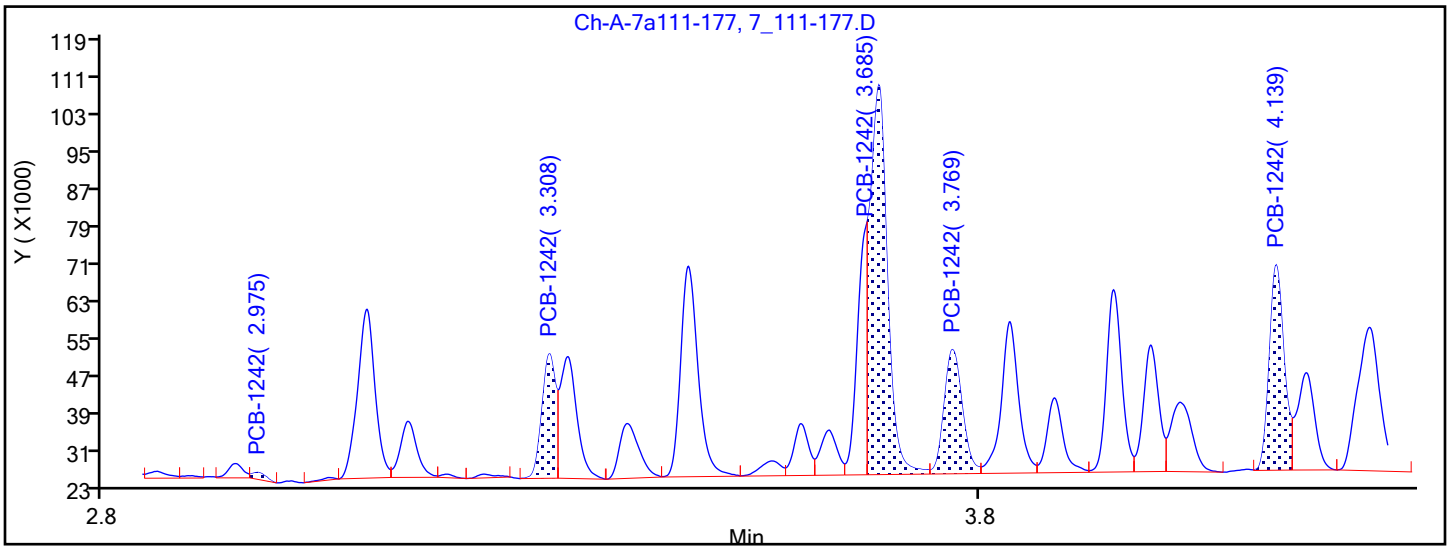
Injection Date:	25-Oct-2021 20:37:53	Instrument ID:	HP6890-7		
Lims ID:	480-191204-B-3-A	Lab Sample ID:	480-191204-3		
Client ID:	BOR-DUP-1-WG				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	38
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		
Column:	ZB-5 (0.53 mm)	Detector	Ch-A-7A136		

14 PCB-1242, CAS: 53469-21-9



Processing Integration Results

2.975	Response = 1629
3.308	Response = 29164
3.685	Response = 154123
3.769	Response = 38688
4.139	Response = 52104



Manual Integration Results

2.975	Response = 1629	
3.308	Response = 29164	
3.685	Response = 113886	M
3.769	Response = 38688	
4.139	Response = 52104	

Reviewer: chumongkolratn, 26-Oct-2021 13:28:52

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Client Sample ID: BOR-DUP-1-WG Lab Sample ID: 480-191204-3

Matrix: Water Lab File ID: 7_111-177.D

Analysis Method: 8082A Date Collected: 10/20/2021 08:00

Extraction Method: 3510C Date Extracted: 10/21/2021 14:54

Sample wt/vol: 250(mL) Date Analyzed: 10/25/2021 20:37

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-35 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 601894 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.50	0.18
11104-28-2	PCB-1221	ND		0.50	0.18
11141-16-5	PCB-1232	ND		0.50	0.18
53469-21-9	PCB-1242	0.78		0.50	0.18
12672-29-6	PCB-1248	ND		0.50	0.18
11097-69-1	PCB-1254	ND		0.50	0.25
11096-82-5	PCB-1260	ND		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	98		39-121
2051-24-3	DCB Decachlorobiphenyl	106		19-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-177.D
Lims ID: 480-191204-B-3-A
Client ID: BOR-DUP-1-WG
Sample Type: Client
Inject. Date: 25-Oct-2021 20:37:53 ALS Bottle#: 0 Worklist Smp#: 38
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 26-Oct-2021 13:29:10 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1634

First Level Reviewer: chumongkolratn Date: 26-Oct-2021 13:29:10

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.741	1.738	0.003	8564236	0.5000	
2	1.934	1.932	0.002	8317223	0.5000	
					RPD = 0.00	
$ 3 Tetrachloro-m-xylene						
1	2.708	2.704	0.004	377332	0.0172	
2	2.687	2.683	0.005	424799	0.0195	
					RPD = 12.72	
14 PCB-1242						M
1	2.975	2.973	0.002	1629	-0.006917	
1	3.308	3.305	0.003	29164	0.0769	
1	3.685	3.681	0.004	113886	0.1305	M
1	3.769	3.767	0.002	38688	0.0715	
1	4.139	4.137	0.002	52104	0.1393	
		Average of Peak Amounts =			0.0823	
2	3.131	3.130	0.001	18310	0.0649	
2	3.492	3.481	0.011	75737	0.1336	
2	3.833	3.831	0.002	118957	0.1533	
2	3.956	3.953	0.004	8022	0.009533	
2	4.353	4.352	0.000	61031	0.1260	
		Average of Peak Amounts =			0.0975	
					RPD = 16.91	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
10 1260 Res 1						
1	6.575	6.570	0.005	2117	NC	
2	6.231	6.218	0.013	1379	NC	
11 1260 Res 2						
1	6.657	6.656	0.001	573	NC	
2	6.318	6.304	0.013	902	NC	
12 1260 Res 3						
1	6.724	6.723	0.002	513	NC	
2	6.394	6.394	0.000	1318	NC	
$ 13 DCB Decachlorobiphenyl						
1	8.448	8.443	0.005	284890	0.0165	
2	8.883	8.881	0.002	381390	0.0211	
					RPD = 24.62	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

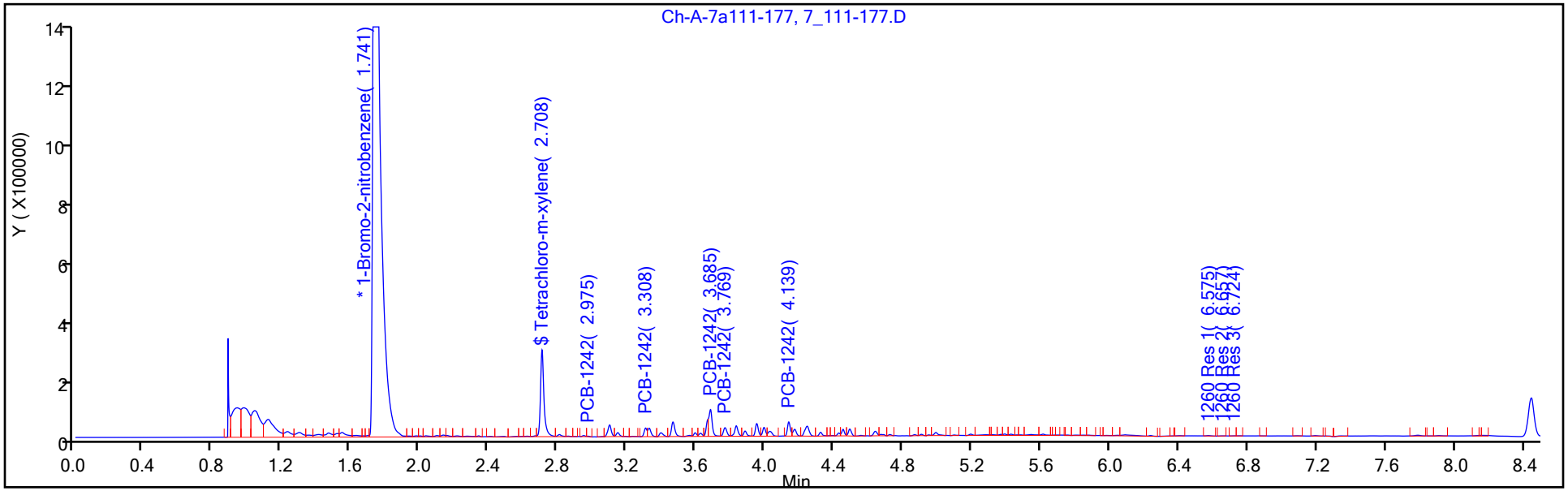
PCB IS 1B2NB_00081 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 26-Oct-2021 13:29:10 Chrom Revision: 2.3 22-Sep-2021 15:38:46

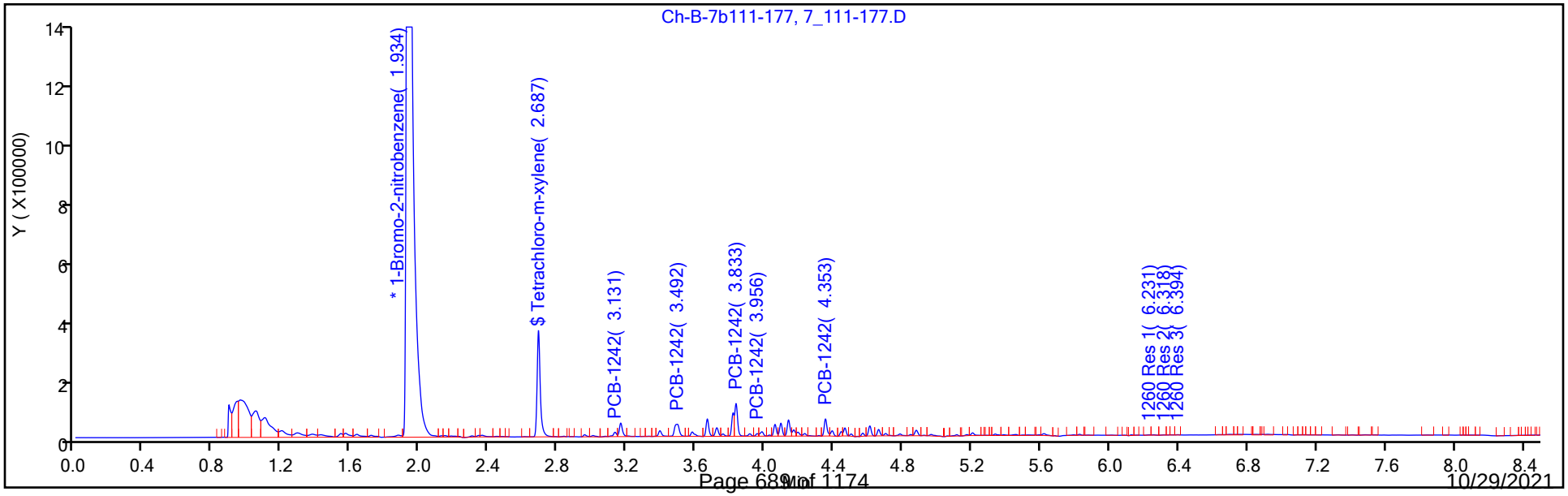
Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-177.D				
Injection Date:	25-Oct-2021 20:37:53	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	480-191204-B-3-A	Lab Sample ID:	480-191204-3	Worklist Smp#:	38
Client ID:	BOR-DUP-1-WG				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Client Sample ID: BOR-MW-17-1-WG Lab Sample ID: 480-191204-4

Matrix: Water Lab File ID: 7_111-178.D

Analysis Method: 8082A Date Collected: 10/20/2021 09:20

Extraction Method: 3510C Date Extracted: 10/21/2021 14:54

Sample wt/vol: 250(mL) Date Analyzed: 10/25/2021 20:50

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-5 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 601894 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	91		39-121
2051-24-3	DCB Decachlorobiphenyl	86		19-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-178.D
Lims ID: 480-191204-B-4-A
Client ID: BOR-MW-17-1-WG
Sample Type: Client
Inject. Date: 25-Oct-2021 20:50:36 ALS Bottle#: 0 Worklist Smp#: 39
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 26-Oct-2021 13:30:47 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1634

First Level Reviewer: chumongkolratn Date: 26-Oct-2021 13:30:47

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.740	1.738	0.002	7993054	0.5000	
2	1.934	1.932	0.002	7736760	0.5000	
					RPD = 0.00	
$ 3 Tetrachloro-m-xylene						
1	2.707	2.704	0.003	374474	0.0183	
2	2.688	2.683	0.006	401439	0.0198	
					RPD = 8.14	
6 PCB-1254						7M
1	4.496	4.498	-0.002	9119	0.005702	
1	4.673	4.672	0.000	12589	0.005793	
1	4.991	4.989	0.002	21908	0.0125	
1	5.193	5.192	0.000	19343	0.0100	
1	5.426	5.425	0.001	12761	0.008713	
		Average of Peak Amounts =			0.008537	
2	4.785	4.782	0.003	7718	0.005223	
2	5.113	5.112	0.001	4802	0.005319	
2	5.206	5.204	0.002	16920	0.0116	
2	5.337	5.334	0.003	12827	0.0120	M
2	5.825	5.824	0.001	11530	0.0107	
		Average of Peak Amounts =			0.008964	
					RPD = 4.88	

LOD = 0.0100

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
10 1260 Res 1						
1	6.568	6.570	-0.002	3406	NC	
2	6.230	6.218	0.013	6047	NC	
11 1260 Res 2						
1	6.665	6.656	0.009	1247	NC	
2	6.314	6.304	0.010	2935	NC	
12 1260 Res 3						
1	6.720	6.723	-0.003	779	NC	
2	6.396	6.394	0.002	3295	NC	
$ 13 DCB Decachlorobiphenyl						
1	8.445	8.443	0.002	278415	0.0173	
2	8.881	8.881	0.000	367437	0.0219	
					RPD = 23.50	

QC Flag Legend

Processing Flags
NC - Not Calibrated
7 - Failed Limit of Detection
Review Flags
M - Manually Integrated

Reagents:

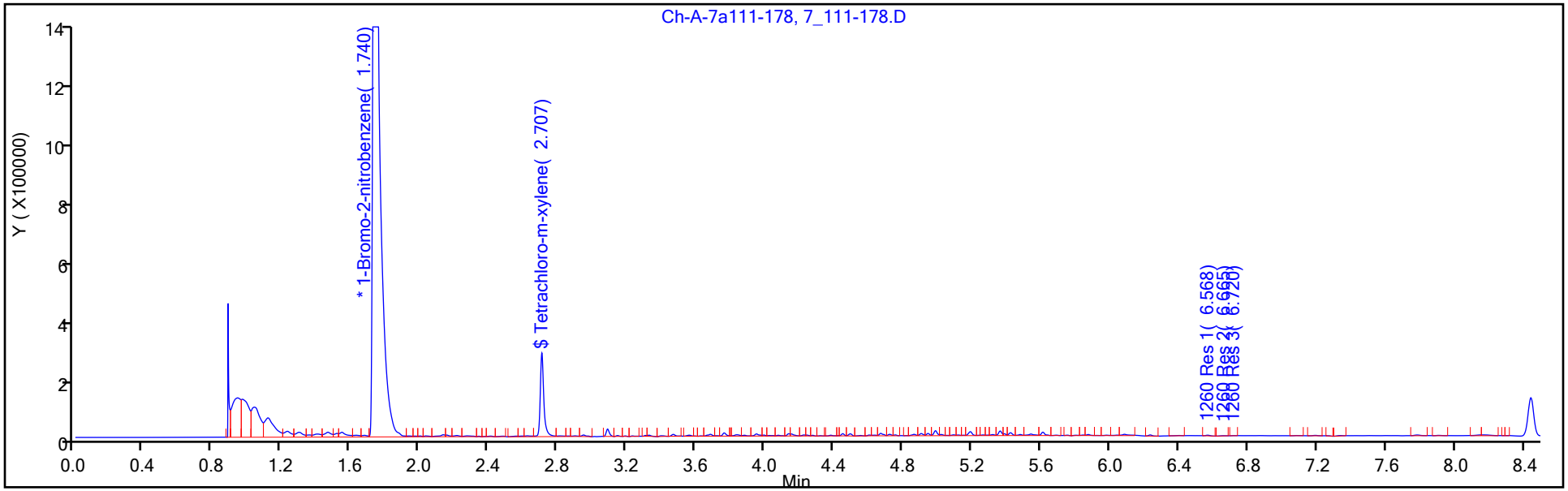
PCB IS 1B2NB_00081 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 26-Oct-2021 13:30:48 Chrom Revision: 2.3 22-Sep-2021 15:38:46

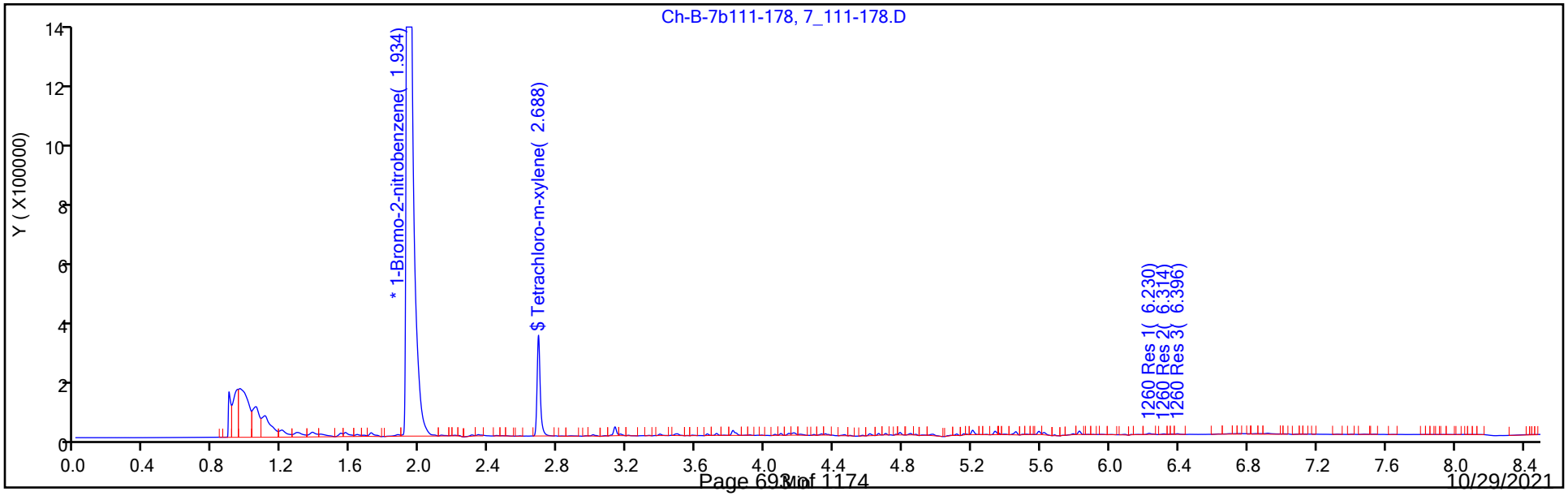
Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-178.D				
Injection Date:	25-Oct-2021 20:50:36	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	480-191204-B-4-A	Lab Sample ID:	480-191204-4	Worklist Smp#:	39
Client ID:	BOR-MW-17-1-WG				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Client Sample ID: BOR-MW-17-1-WG Lab Sample ID: 480-191204-4

Matrix: Water Lab File ID: 7_111-178.D

Analysis Method: 8082A Date Collected: 10/20/2021 09:20

Extraction Method: 3510C Date Extracted: 10/21/2021 14:54

Sample wt/vol: 250(mL) Date Analyzed: 10/25/2021 20:50

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-35 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 601894 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.50	0.18
11104-28-2	PCB-1221	ND		0.50	0.18
11141-16-5	PCB-1232	ND		0.50	0.18
53469-21-9	PCB-1242	ND		0.50	0.18
12672-29-6	PCB-1248	ND		0.50	0.18
11097-69-1	PCB-1254	ND		0.50	0.25
11096-82-5	PCB-1260	ND		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	99		39-121
2051-24-3	DCB Decachlorobiphenyl	109		19-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-178.D
Lims ID: 480-191204-B-4-A
Client ID: BOR-MW-17-1-WG
Sample Type: Client
Inject. Date: 25-Oct-2021 20:50:36 ALS Bottle#: 0 Worklist Smp#: 39
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 26-Oct-2021 13:30:47 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1634

First Level Reviewer: chumongkolratn Date: 26-Oct-2021 13:30:47

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.740	1.738	0.002	7993054	0.5000	
2	1.934	1.932	0.002	7736760	0.5000	
					RPD = 0.00	
$ 3 Tetrachloro-m-xylene						
1	2.707	2.704	0.003	374474	0.0183	
2	2.688	2.683	0.006	401439	0.0198	
					RPD = 8.14	
6 PCB-1254						7M
1	4.496	4.498	-0.002	9119	0.005702	
1	4.673	4.672	0.000	12589	0.005793	
1	4.991	4.989	0.002	21908	0.0125	
1	5.193	5.192	0.000	19343	0.0100	
1	5.426	5.425	0.001	12761	0.008713	
		Average of Peak Amounts =			0.008537	
2	4.785	4.782	0.003	7718	0.005223	
2	5.113	5.112	0.001	4802	0.005319	
2	5.206	5.204	0.002	16920	0.0116	
2	5.337	5.334	0.003	12827	0.0120	M
2	5.825	5.824	0.001	11530	0.0107	
		Average of Peak Amounts =			0.008964	
					RPD = 4.88	

LOD = 0.0100

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
10 1260 Res 1						
1	6.568	6.570	-0.002	3406	NC	
2	6.230	6.218	0.013	6047	NC	
11 1260 Res 2						
1	6.665	6.656	0.009	1247	NC	
2	6.314	6.304	0.010	2935	NC	
12 1260 Res 3						
1	6.720	6.723	-0.003	779	NC	
2	6.396	6.394	0.002	3295	NC	
$ 13 DCB Decachlorobiphenyl						
1	8.445	8.443	0.002	278415	0.0173	
2	8.881	8.881	0.000	367437	0.0219	
					RPD = 23.50	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- 7 - Failed Limit of Detection

Review Flags
- M - Manually Integrated

Reagents:

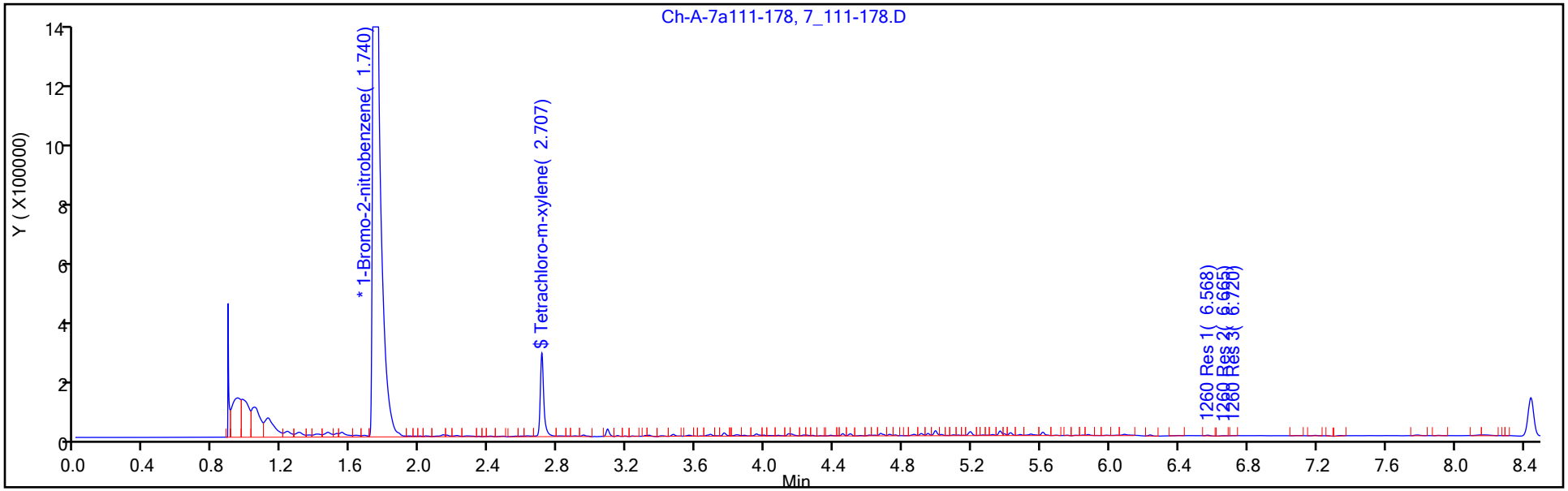
PCB IS 1B2NB_00081 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 26-Oct-2021 13:30:48 Chrom Revision: 2.3 22-Sep-2021 15:38:46

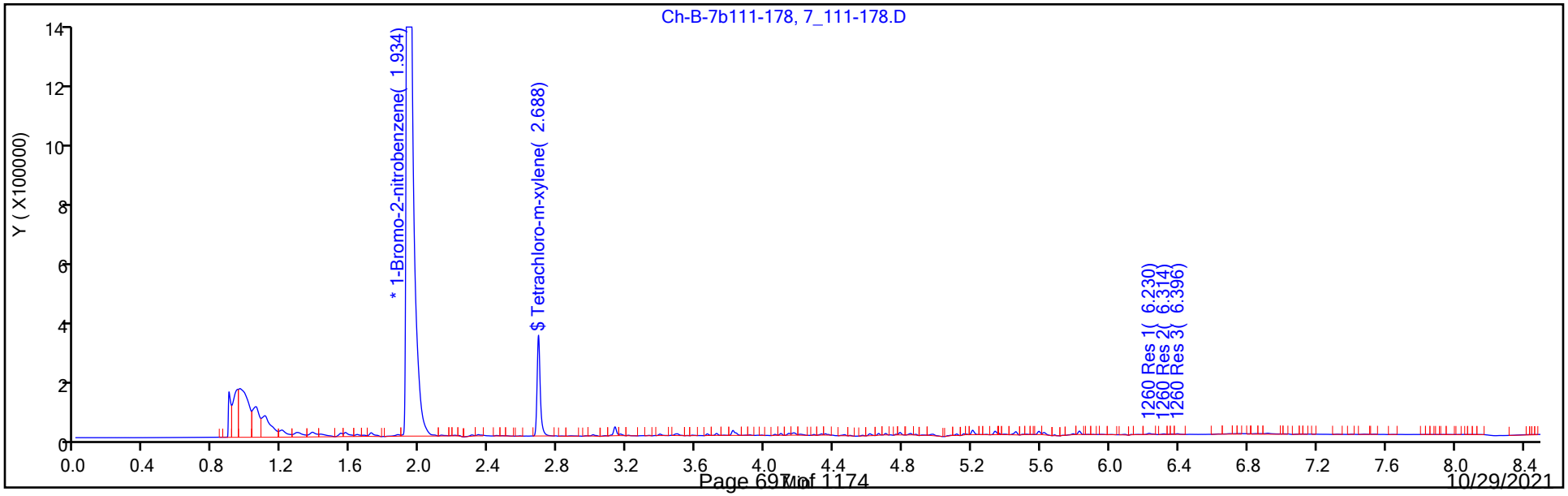
Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-178.D				
Injection Date:	25-Oct-2021 20:50:36	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	480-191204-B-4-A	Lab Sample ID:	480-191204-4	Worklist Smp#:	39
Client ID:	BOR-MW-17-1-WG				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 26-Oct-2021 13:30:48 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-178.D

Injection Date: 25-Oct-2021 20:50:36 Instrument ID: HP6890-7

Lims ID: 480-191204-B-4-A Lab Sample ID: 480-191204-4

Client ID: BOR-MW-17-1-WG

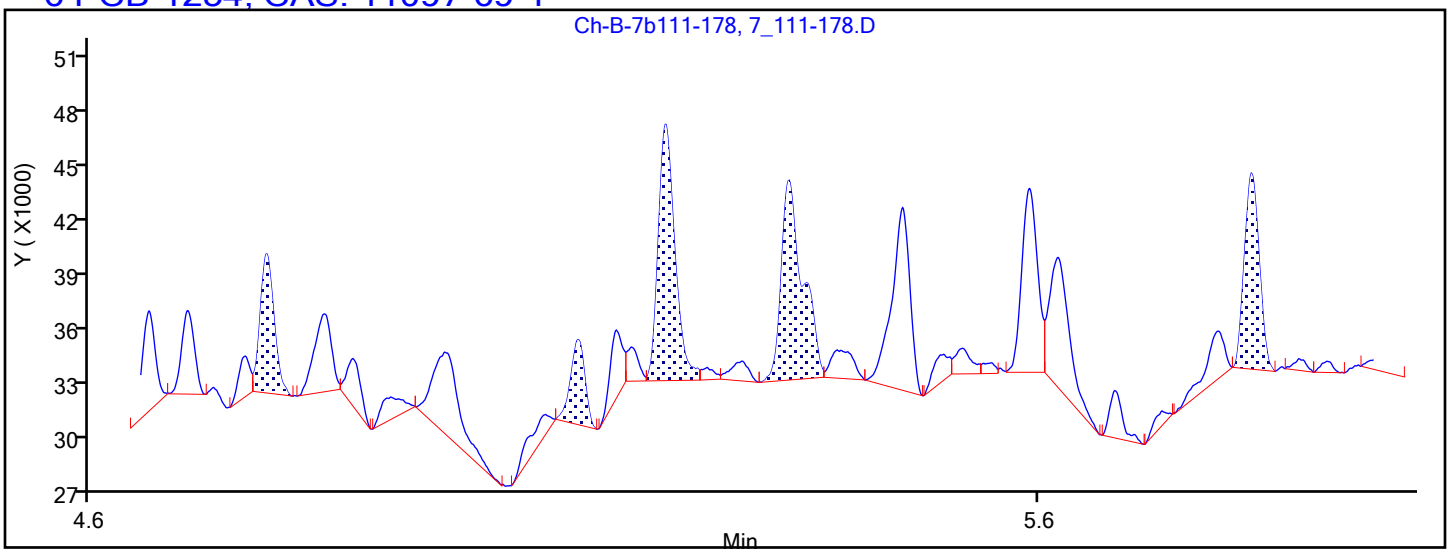
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 39

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

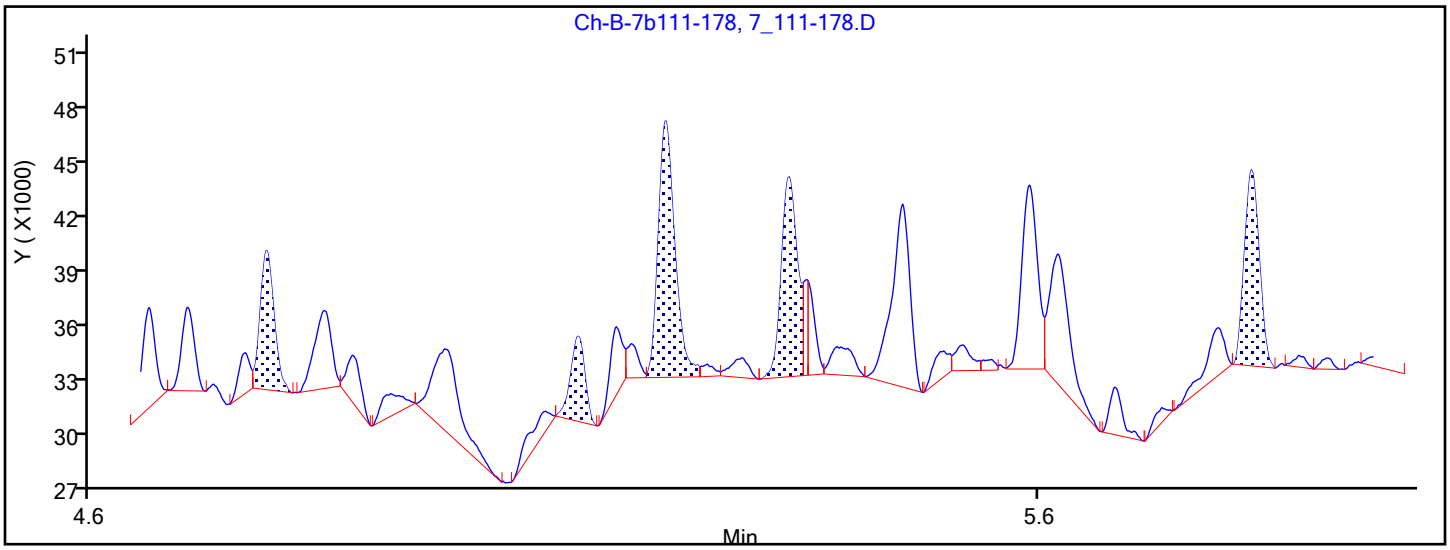
Column: ZB-35 (0.53 mm) Detector Ch-B-7b136

6 PCB-1254, CAS: 11097-69-1



Processing Integration Results

4.785	Response = 7718
5.113	Response = 4802
5.206	Response = 16920
5.337	Response = 16881
5.825	Response = 11530



Manual Integration Results

4.785	Response = 7718	
5.113	Response = 4802	
5.206	Response = 16920	
5.337	Response = 12827	M
5.825	Response = 11530	

Reviewer: chumongkolratn, 26-Oct-2021 13:30:41

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

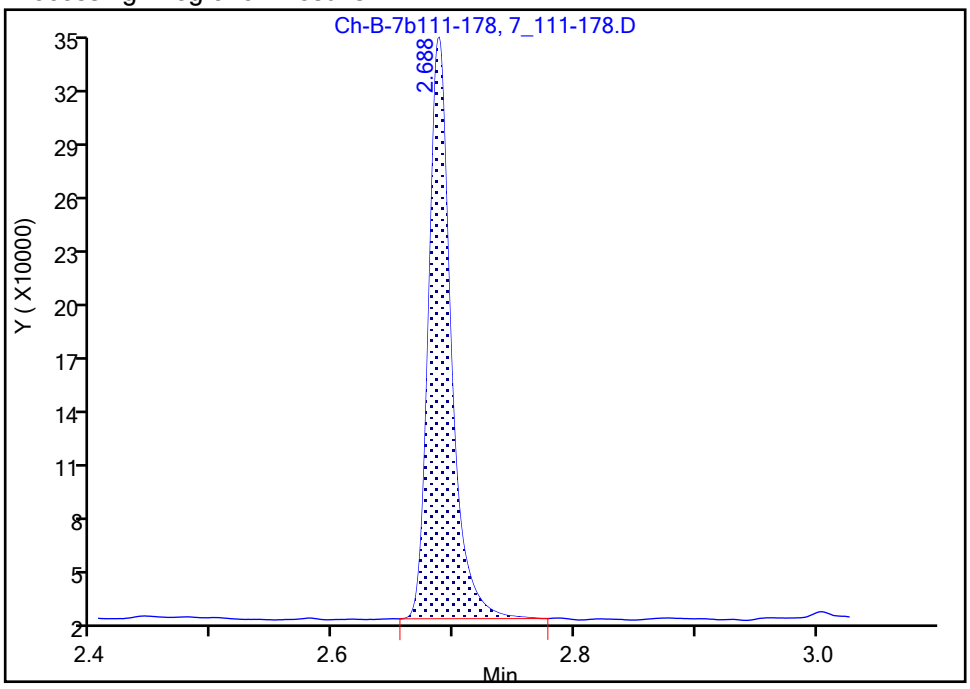
Data File:	\\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-178.D				
Injection Date:	25-Oct-2021 20:50:36	Instrument ID:	HP6890-7		
Lims ID:	480-191204-B-4-A	Lab Sample ID:	480-191204-4		
Client ID:	BOR-MW-17-1-WG				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	39
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

$ 3 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 2

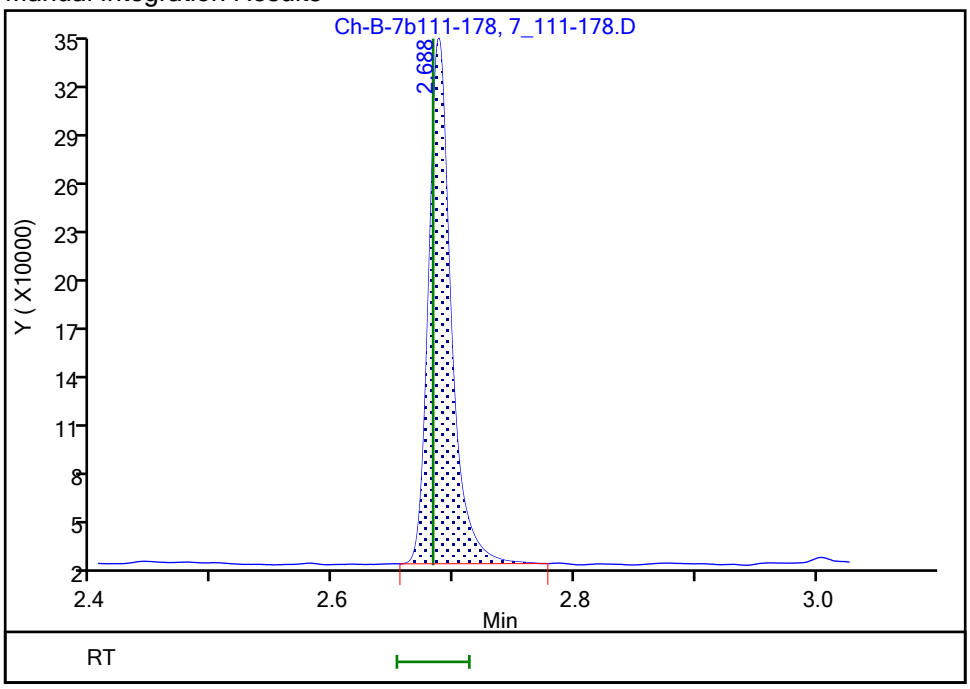
Processing Integration Results

RT: 2.69
Area: 401439
Amount: 0
Amount Units: ng/uL



Manual Integration Results

RT: 2.69
Area: 401439
Amount: 0.019832
Amount Units: ng/uL



Reviewer: chumongkolratn, 26-Oct-2021 13:30:05

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

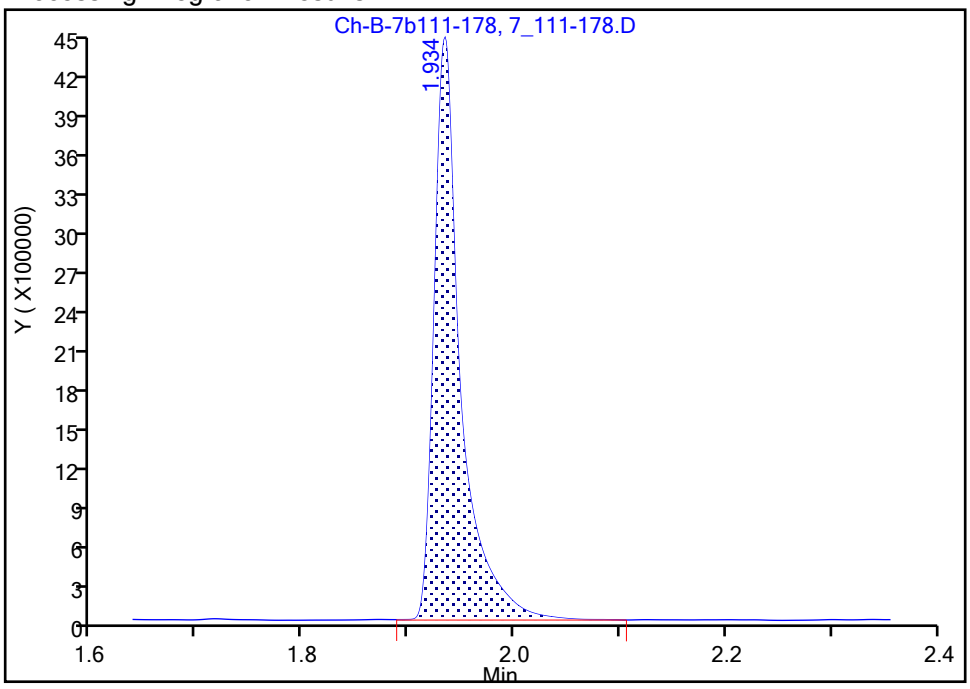
Data File:	\\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-178.D				
Injection Date:	25-Oct-2021 20:50:36	Instrument ID:	HP6890-7		
Lims ID:	480-191204-B-4-A	Lab Sample ID:	480-191204-4		
Client ID:	BOR-MW-17-1-WG				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	39
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

* 1 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

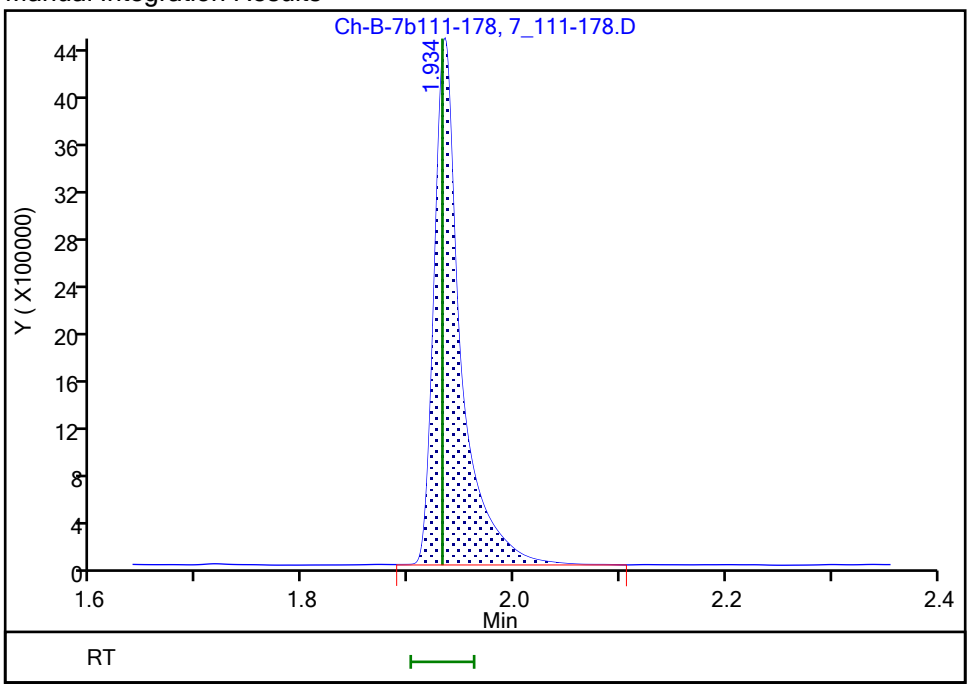
Processing Integration Results

RT: 1.93
Area: 7736760
Amount: 0.500000
Amount Units: ng/uL



Manual Integration Results

RT: 1.93
Area: 7736760
Amount: 0.500000
Amount Units: ng/uL



Reviewer: chumongkolratn, 26-Oct-2021 13:30:02

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 581108

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/14/2021 18:14 Calibration End Date: 05/14/2021 19:50 Calibration ID: 41829

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-581108/2	7_97-014.D
Level 2	IC 480-581108/3	7_97-015.D
Level 3	IC 480-581108/4	7_97-016.D
Level 4	IC 480-581108/5	7_97-017.D
Level 5	ICIS 480-581108/6	7_97-018.D
Level 6	IC 480-581108/7	7_97-019.D
Level 7	IC 480-581108/8	7_97-020.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1016 Peak 1	0.0271 0.0193	0.0253 0.0186	0.0238	0.0220	0.0206	Lin2	0.0002	0.0204				8.2			0.9920		0.9900
PCB-1016 Peak 2	0.0344 0.0244	0.0324 +++++	0.0296	0.0279	0.0272	Lin2	0.0002	0.0268				6.8			0.9950		0.9900
PCB-1016 Peak 3	0.0720 0.0635	0.0741 0.0652	0.0693	0.0682	0.0680	Lin2	0.0001	0.0668				4.2			0.9980		0.9900
PCB-1016 Peak 4	0.0481 0.0364	0.0438 0.0353	0.0416	0.0392	0.0377	Lin1	0.0004	0.0358				8.0			0.9990		0.9900
PCB-1016 Peak 5	0.0308 0.0270	0.0316 0.0265	0.0302	0.0285	0.0277	Lin2	0.0001	0.0279				5.3			0.9970		0.9900
PCB-1260 Peak 1	0.0690 0.0538	0.0610 0.0510	0.0566	0.0561	0.0538	Lin2	0.0003	0.0532				2.5			0.9990		0.9900
PCB-1260 Peak 2	0.0776 0.0618	0.0696 0.0573	0.0648	0.0642	0.0638	Lin1	0.0005	0.0592				6.6			0.9980		0.9900
PCB-1260 Peak 3	0.0960 0.0796	0.0796 0.0734	0.0747	0.0747	0.0817	Lin2	0.0004	0.0752				5.6			0.9960		0.9900
PCB-1260 Peak 4	0.0604 0.0474	0.0549 0.0439	0.0513	0.0496	0.0487	Lin2	0.0003	0.0473				4.3			0.9980		0.9900
PCB-1260 Peak 5	0.1310 0.1191	0.1244 0.1119	0.1201	0.1205	0.1215	Lin1	0.0005	0.1151				4.5			0.9990		0.9900
Tetrachloro-m-xylene	1.5139 1.2723	1.4110 1.2751	1.3677	1.3124	1.2933	Lin1	0.0002	1.2731				2.6			1.0000		0.9900
DCB Decachlorobiphenyl	1.3498 0.9848	1.1982 0.9401	1.1354	1.0466	1.0036	Lin2	0.0002	0.9970				4.8			0.9970		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 581108

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/14/2021 18:14 Calibration End Date: 05/14/2021 19:50 Calibration ID: 41829

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-581108/2	7_97-014.D
Level 2	IC 480-581108/3	7_97-015.D
Level 3	IC 480-581108/4	7_97-016.D
Level 4	IC 480-581108/5	7_97-017.D
Level 5	ICIS 480-581108/6	7_97-018.D
Level 6	IC 480-581108/7	7_97-019.D
Level 7	IC 480-581108/8	7_97-020.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	BNB	Lin2	12785 450420	29943 863202	56602	104044	243714	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 2	BNB	Lin2	16265 571023	38283 +++++	70384	131580	321756	0.0200 1.00	0.0500 +++++	0.100	0.200	0.500
PCB-1016 Peak 3	BNB	Lin2	34018 1485322	87522 3032727	165014	321971	803320	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 4	BNB	Lin1	22725 850639	51769 1641860	99060	185126	445954	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 5	BNB	Lin2	14538 630297	37300 1231678	71927	134655	327879	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 1	BNB	Lin2	32579 1257871	72063 2373493	134776	265200	635764	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 2	BNB	Lin1	36671 1443828	82309 2664212	154351	303058	753729	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 3	BNB	Lin2	45328 1860727	94101 3415925	177956	352846	965028	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 4	BNB	Lin2	28523 1109110	64923 2041155	122239	234339	575455	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 5	BNB	Lin1	61857 2785318	147077 5207116	286082	569219	1435550	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
Tetrachloro-m-xylene	BNB	Lin1	17874 743601	41692 1483067	81434	154965	382089	0.000500 0.0250	0.00125 0.0500	0.00250	0.00500	0.0125
DCB Decachlorobiphenyl	BNB	Lin2	15937 575561	35405 1093459	67604	123582	296520	0.000500 0.0250	0.00125 0.0500	0.00250	0.00500	0.0125

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 581108

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/14/2021 18:14 Calibration End Date: 05/14/2021 19:50 Calibration ID: 41829

Curve Type Legend
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-014.D
Lims ID: IC level 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 14-May-2021 18:14:57 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2021 13:50:37 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1602

First Level Reviewer: schickr Date: 15-May-2021 12:32:31

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.834	1.834	0.000	11806507	0.5000	0.5000	
2	2.015	2.015	0.000	11269236	0.5000	0.5000	
						RPD = 0.00	
$ 3 Tetrachloro-m-xylene							
1	2.823	2.823	0.000	17874	0.000500	0.000476	
2	2.776	2.776	0.000	17303	0.000500	0.000494	
						RPD = 3.67	
4 PCB-1016							a
1	3.094	3.094	0.000	12785	0.0200	0.0189	
1	3.429	3.429	0.000	16265	0.0200	0.0192	
1	3.810	3.810	0.000	34018	0.0200	0.0194	a
1	3.896	3.896	0.000	22725	0.0200	0.0169	
1	4.266	4.266	0.000	14538	0.0200	0.0192	
		Average of Peak Amounts =				0.0187	
2	3.227	3.227	0.000	11536	0.0200	0.0192	
2	3.581	3.581	0.000	23983	0.0200	0.0194	
2	3.933	3.933	0.000	31597	0.0200	0.0200	
2	4.056	4.056	0.000	19872	0.0200	0.0221	
2	4.455	4.455	0.000	17656	0.0200	0.0187	
		Average of Peak Amounts =				0.0199	
						RPD = 5.90	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
8 PCB-1260							
1	5.316	5.316	0.000	32579	0.0200	0.0198	
1	5.500	5.500	0.000	36671	0.0200	0.0177	
1	5.754	5.754	0.000	45328	0.0200	0.0205	
1	5.903	5.903	0.000	28523	0.0200	0.0195	
1	6.402	6.402	0.000	61857	0.0200	0.0185	
		Average of Peak Amounts =				0.0192	
2	5.463	5.463	0.000	29720	0.0200	0.0205	
2	5.565	5.565	0.000	31331	0.0200	0.0226	
2	5.950	5.950	0.000	28279	0.0200	0.0205	
2	6.363	6.363	0.000	26796	0.0200	0.0201	
2	6.545	6.545	0.000	63117	0.0200	0.0200	
		Average of Peak Amounts =				0.0207	
						RPD = 7.70	
10 1260 Res 1							
1	6.755	6.755	0.000	31812	NC	NC	
2	6.363	6.363	0.000	26796	NC	NC	
11 1260 Res 2							
1	6.842	6.842	0.000	16192	NC	NC	
2	6.453	6.453	0.000	19897	NC	NC	
12 1260 Res 3							
1	6.913	6.913	0.000	19497	NC	NC	
2	6.545	6.545	0.000	63117	NC	NC	
$ 13 DCB Decachlorobiphenyl							
1	8.727	8.727	0.000	15937	0.000500	0.000484	
2	9.163	9.163	0.000	13890	0.000500	0.000491	
						RPD = 1.31	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

1660sur/is.02_00023 Amount Added: 1.00 Units: mL

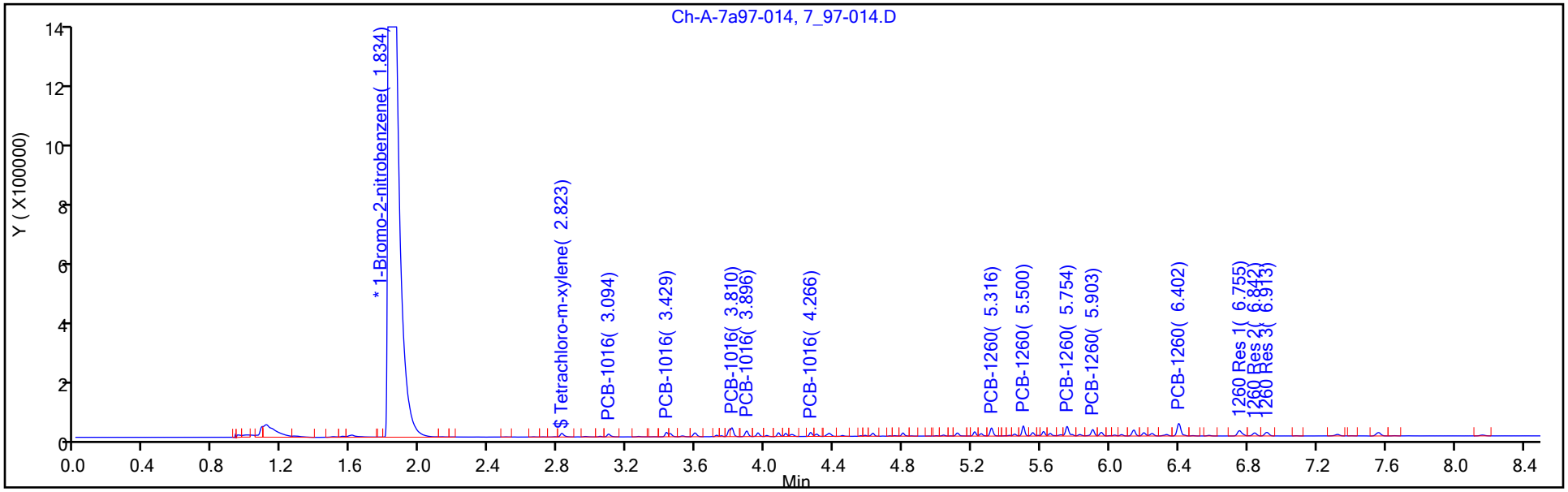
Report Date: 15-May-2021 13:50:38 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

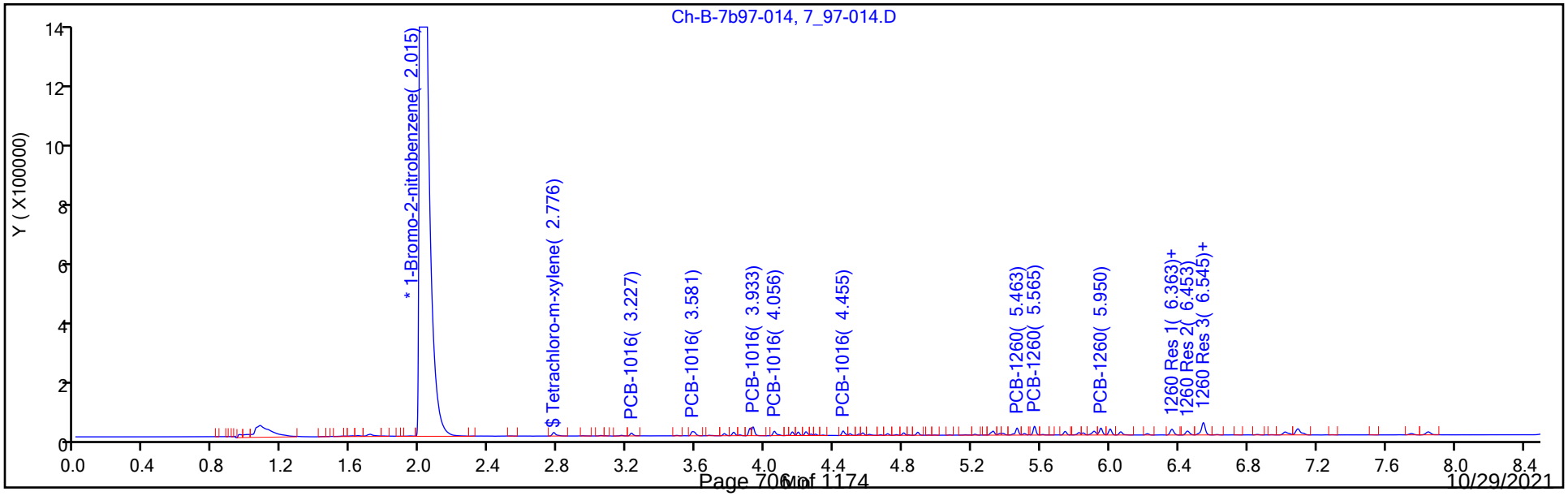
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-014.D

Injection Date:	14-May-2021 18:14:57	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC level 1			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 15-May-2021 13:50:38 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-014.D

Injection Date: 14-May-2021 18:14:57 Instrument ID: HP6890-7

Lims ID: IC level 1

Client ID:

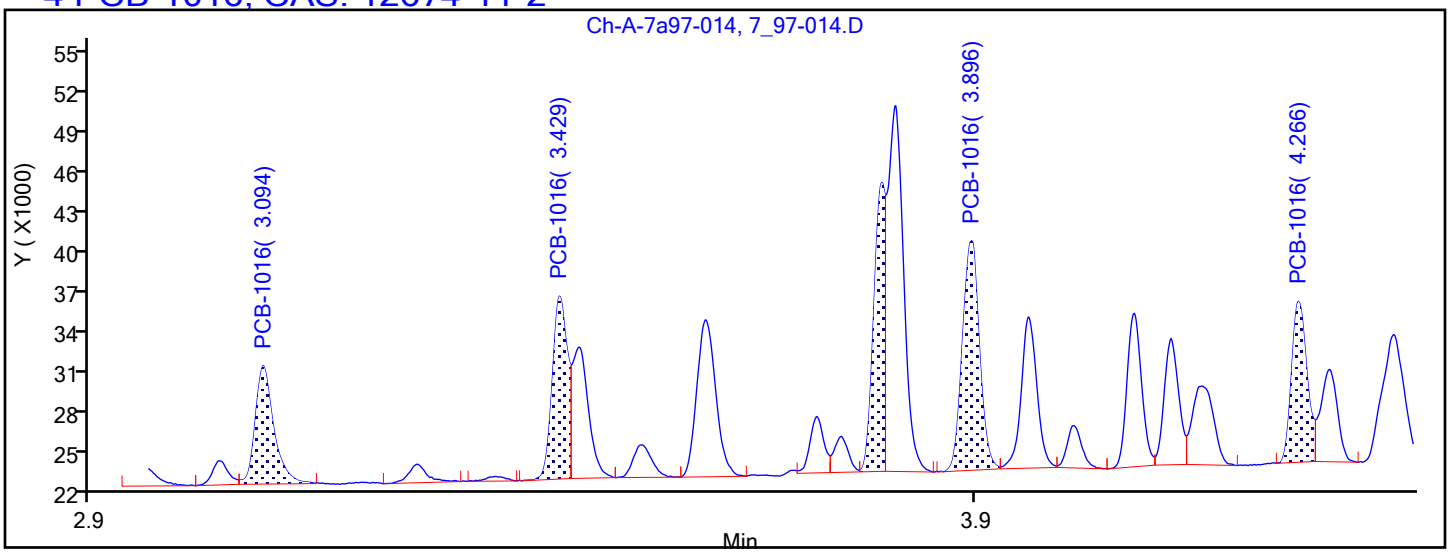
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 2

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

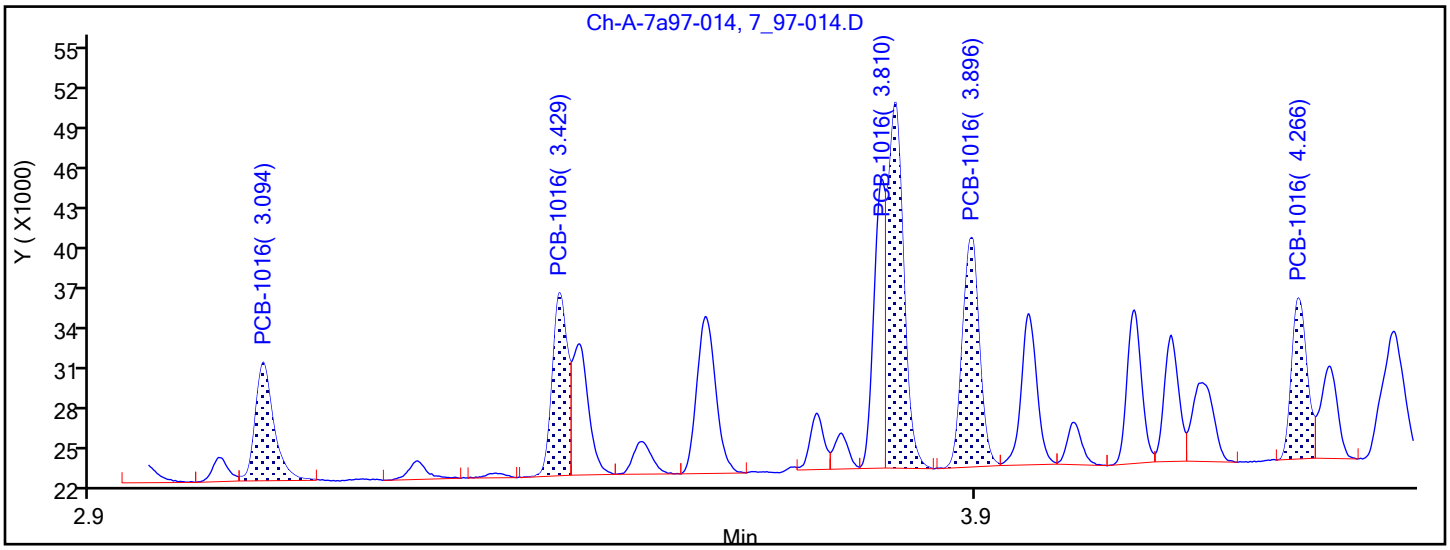
Column: ZB-5 (0.53 mm) Detector Ch-A-7A136

4 PCB-1016, CAS: 12674-11-2



Processing Integration Results

3.094	Response = 12785
3.429	Response = 16265
3.794	Response = 18419
3.896	Response = 22725
4.266	Response = 14538



Manual Integration Results

3.094	Response = 12785	
3.429	Response = 16265	
3.810	Response = 34018	M
3.896	Response = 22725	
4.266	Response = 14538	

Reviewer: schickr, 15-May-2021 12:51:10

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-015.D
Lims ID: IC level 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 14-May-2021 18:30:45 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2021 13:50:39 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1602

First Level Reviewer: schickr Date: 15-May-2021 12:32:54

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.824	1.834	-0.010	11819202	0.5000	0.5000	
2	2.013	2.015	-0.002	11188836	0.5000	0.5000	
						RPD = 0.00	
$ 3 Tetrachloro-m-xylene							
1	2.808	2.823	-0.014	41692	0.001250	0.001267	
2	2.775	2.776	-0.001	39911	0.001250	0.001274	
						RPD = 0.57	
4 PCB-1016							M
1	3.078	3.094	-0.016	29943	0.0500	0.0544	
1	3.413	3.429	-0.016	38283	0.0500	0.0540	
1	3.793	3.810	-0.018	87522	0.0500	0.0533	
1	3.878	3.896	-0.018	51769	0.0500	0.0512	
1	4.250	4.266	-0.016	37300	0.0500	0.0537	
		Average of Peak Amounts =				0.0533	
2	3.226	3.227	-0.001	25872	0.0500	0.0533	
2	3.580	3.581	-0.001	55365	0.0500	0.0524	
2	3.931	3.933	-0.001	72360	0.0500	0.0496	M
2	4.053	4.056	-0.003	47507	0.0500	0.0533	
2	4.453	4.455	-0.003	40309	0.0500	0.0506	M
		Average of Peak Amounts =				0.0518	
						RPD = 2.84	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
8 PCB-1260							
1	5.301	5.316	-0.015	72063	0.0500	0.0511	
1	5.484	5.500	-0.016	82309	0.0500	0.0503	
1	5.739	5.754	-0.015	94101	0.0500	0.0479	
1	5.886	5.903	-0.016	64923	0.0500	0.0521	
1	6.385	6.402	-0.017	147077	0.0500	0.0498	
		Average of Peak Amounts =				0.0503	
2	5.462	5.463	-0.001	64582	0.0500	0.0494	
2	5.562	5.565	-0.003	69987	0.0500	0.0508	
2	5.945	5.950	-0.005	66363	0.0500	0.0504	
2	6.357	6.363	-0.005	63898	0.0500	0.0509	
2	6.538	6.545	-0.007	151681	0.0500	0.0499	
		Average of Peak Amounts =				0.0503	
						RPD = 0.06	
10 1260 Res 1							
1	6.734	6.755	-0.021	74695	NC	NC	
2	6.357	6.363	-0.006	63898	NC	NC	
11 1260 Res 2							
1	6.824	6.842	-0.018	38362	NC	NC	
2	6.447	6.453	-0.006	47417	NC	NC	
12 1260 Res 3							
1	6.892	6.913	-0.022	45040	NC	NC	
2	6.538	6.545	-0.008	151681	NC	NC	
$ 13 DCB Decachlorobiphenyl							
1	8.703	8.727	-0.025	35405	0.001250	0.001310	
2	9.151	9.163	-0.011	32889	0.001250	0.001280	
						RPD = 2.31	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

1660sur/is.05_00022 Amount Added: 1.00 Units: mL

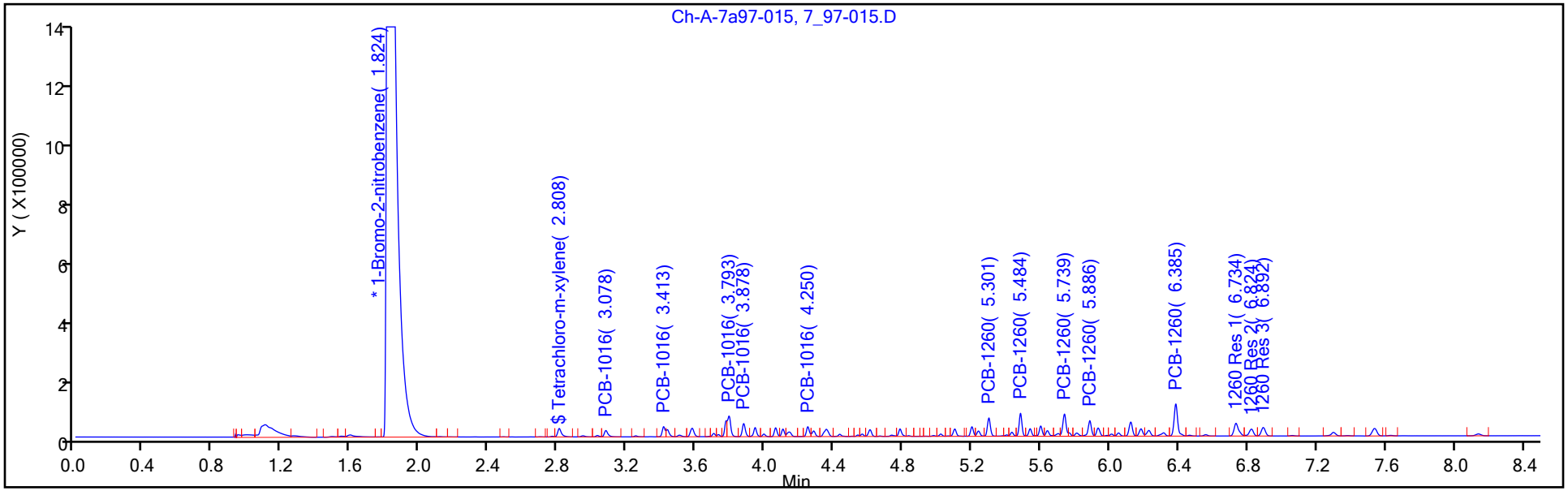
Report Date: 15-May-2021 13:50:39 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

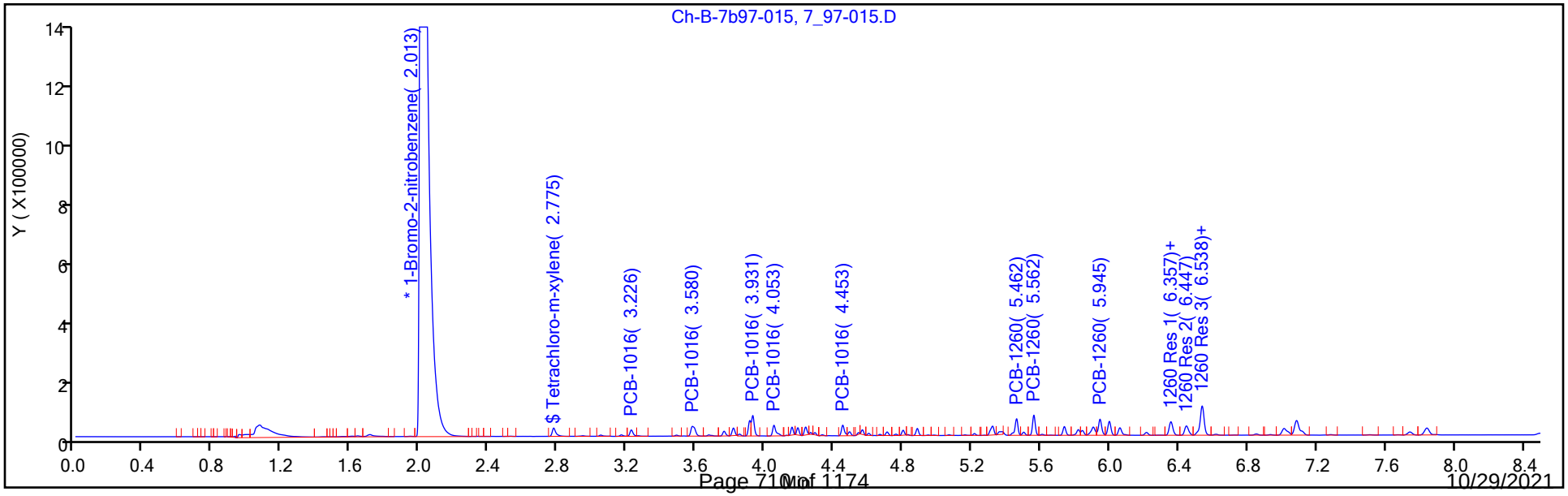
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-015.D

Injection Date:	14-May-2021 18:30:45	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC level 2			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-016.D
Lims ID: IC level 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 14-May-2021 18:46:46 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2021 13:50:41 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1602

First Level Reviewer: schickr Date: 15-May-2021 12:33:03

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.824	1.834	-0.010	11908297	0.5000	0.5000	
2	2.015	2.015	0.000	11292579	0.5000	0.5000	
						RPD = 0.00	
$ 3 Tetrachloro-m-xylene							
1	2.807	2.823	-0.015	81434	0.002500	0.002567	
2	2.777	2.776	0.001	78748	0.002500	0.002582	
						RPD = 0.59	
4 PCB-1016							
1	3.078	3.094	-0.016	56602	0.1000	0.1088	
1	3.413	3.429	-0.017	70384	0.1000	0.1039	
1	3.793	3.810	-0.018	165014	0.1000	0.1016	
1	3.878	3.896	-0.018	99060	0.1000	0.1062	
1	4.248	4.266	-0.018	71927	0.1000	0.1055	
		Average of Peak Amounts =				0.1052	
2	3.226	3.227	-0.001	49068	0.1000	0.1070	
2	3.582	3.581	0.001	106056	0.1000	0.1045	
2	3.931	3.933	-0.001	145021	0.1000	0.1011	
2	4.053	4.056	-0.003	93207	0.1000	0.1036	
2	4.453	4.455	-0.003	78705	0.1000	0.1034	
		Average of Peak Amounts =				0.1039	
						RPD = 1.21	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
8 PCB-1260							
1	5.299	5.316	-0.017	134776	0.1000	0.1002	
1	5.483	5.500	-0.017	154351	0.1000	0.1010	
1	5.737	5.754	-0.017	177956	0.1000	0.0944	
1	5.884	5.903	-0.018	122239	0.1000	0.1025	
1	6.382	6.402	-0.020	286082	0.1000	0.1002	
		Average of Peak Amounts =				0.0996	
2	5.460	5.463	-0.003	128909	0.1000	0.1013	
2	5.562	5.565	-0.003	138171	0.1000	0.0993	
2	5.946	5.950	-0.004	131281	0.1000	0.1003	
2	6.356	6.363	-0.006	125739	0.1000	0.1010	
2	6.538	6.545	-0.007	304102	0.1000	0.1002	
		Average of Peak Amounts =				0.1004	
						RPD = 0.78	
10 1260 Res 1							
1	6.733	6.755	-0.023	143913	NC	NC	
2	6.356	6.363	-0.007	125739	NC	NC	
11 1260 Res 2							
1	6.821	6.842	-0.021	73186	NC	NC	
2	6.447	6.453	-0.006	93398	NC	NC	
12 1260 Res 3							
1	6.890	6.913	-0.023	85216	NC	NC	
2	6.538	6.545	-0.007	304102	NC	NC	
$ 13 DCB Decachlorobiphenyl							
1	8.700	8.727	-0.027	67604	0.002500	0.002655	
2	9.151	9.163	-0.011	65625	0.002500	0.002608	
						RPD = 1.79	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

1660sur/is0.1_00023 Amount Added: 1.00 Units: mL

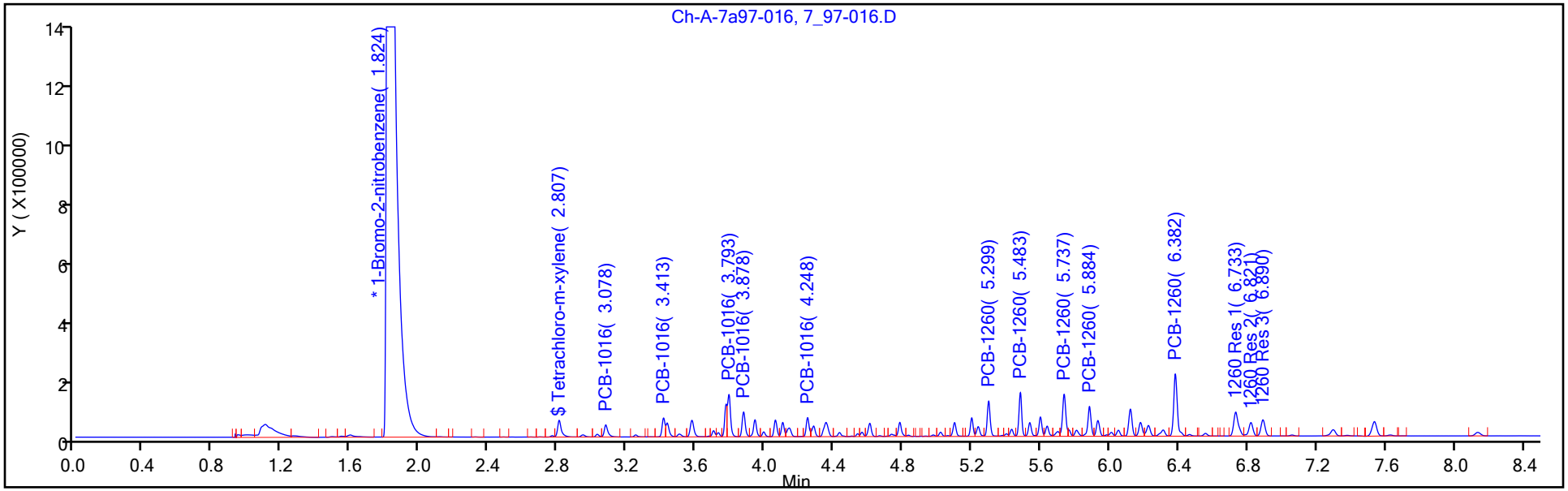
Report Date: 15-May-2021 13:50:41 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

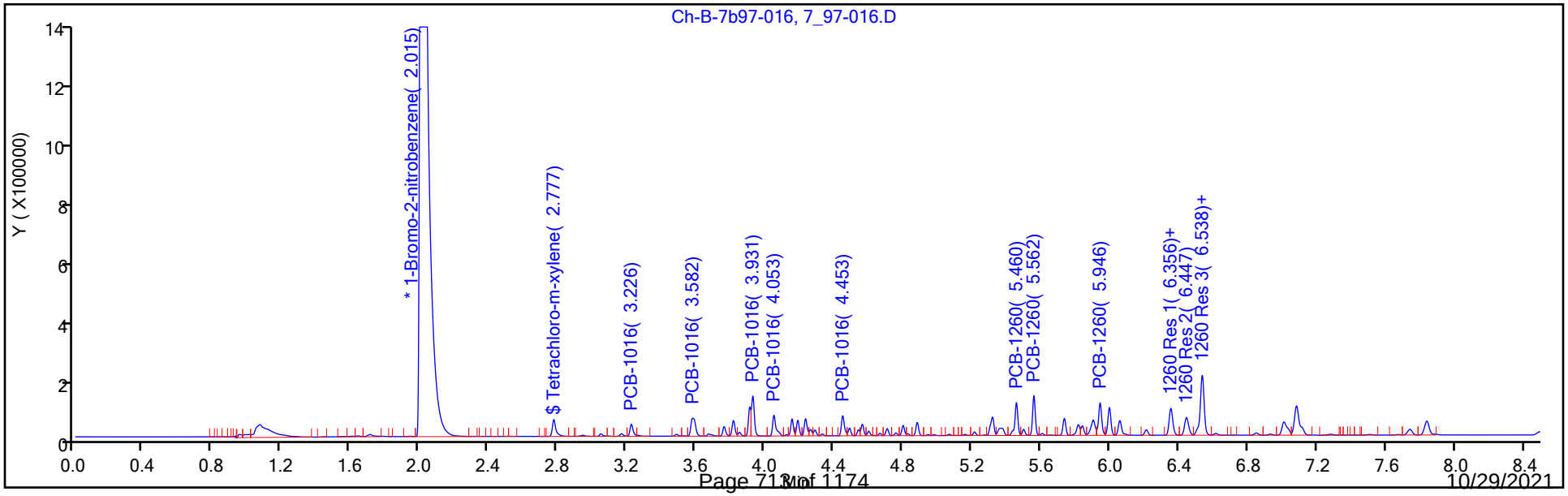
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-016.D

Injection Date:	14-May-2021 18:46:46	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC level 3			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-017.D
Lims ID: IC level 4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 14-May-2021 19:02:35 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2021 13:50:42 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1602

First Level Reviewer: schickr Date: 15-May-2021 12:54:41

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.825	1.834	-0.009	11808029	0.5000	0.5000	
2	2.016	2.015	0.001	11263482	0.5000	0.5000	
						RPD = 0.00	
$ 3 Tetrachloro-m-xylene							
1	2.809	2.823	-0.013	154965	0.005000	0.005036	
2	2.778	2.776	0.002	147202	0.005000	0.004924	
						RPD = 2.25	
4 PCB-1016							M
1	3.078	3.094	-0.016	104044	0.2000	0.2082	
1	3.414	3.429	-0.015	131580	0.2000	0.2017	
1	3.793	3.810	-0.018	321971	0.2000	0.2020	
1	3.878	3.896	-0.018	185126	0.2000	0.2091	
1	4.249	4.266	-0.017	134655	0.2000	0.2017	
		Average of Peak Amounts =				0.2045	
2	3.227	3.227	0.000	91121	0.2000	0.2061	
2	3.583	3.581	0.001	203997	0.2000	0.2067	
2	3.932	3.933	0.000	291065	0.2000	0.2062	M
2	4.053	4.056	-0.003	174274	0.2000	0.1943	
2	4.453	4.455	-0.002	149368	0.2000	0.2022	M
		Average of Peak Amounts =				0.2031	
						RPD = 0.72	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
8 PCB-1260							
1	5.300	5.316	-0.016	265200	0.2000	0.2050	
1	5.483	5.500	-0.018	303058	0.2000	0.2083	
1	5.738	5.754	-0.016	352846	0.2000	0.1936	
1	5.885	5.903	-0.017	234339	0.2000	0.2037	
1	6.383	6.402	-0.019	569219	0.2000	0.2052	
		Average of Peak Amounts =				0.2032	
2	5.461	5.463	-0.002	243580	0.2000	0.1952	
2	5.563	5.565	-0.003	267417	0.2000	0.1927	
2	5.946	5.950	-0.004	251889	0.2000	0.1943	
2	6.357	6.363	-0.005	239773	0.2000	0.1948	
2	6.538	6.545	-0.007	592818	0.2000	0.1968	
		Average of Peak Amounts =				0.1948	
						RPD = 4.24	
10 1260 Res 1							
1	6.733	6.755	-0.023	278424	NC	NC	
2	6.357	6.363	-0.006	239773	NC	NC	
11 1260 Res 2							
1	6.822	6.842	-0.020	139117	NC	NC	
2	6.446	6.453	-0.007	177259	NC	NC	
12 1260 Res 3							
1	6.891	6.913	-0.023	162762	NC	NC	
2	6.538	6.545	-0.007	592818	NC	NC	
$ 13 DCB Decachlorobiphenyl							
1	8.700	8.727	-0.027	123582	0.005000	0.005056	
2	9.151	9.163	-0.011	125249	0.005000	0.005062	
						RPD = 0.11	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

1660sur/is0.2_00021 Amount Added: 1.00 Units: mL

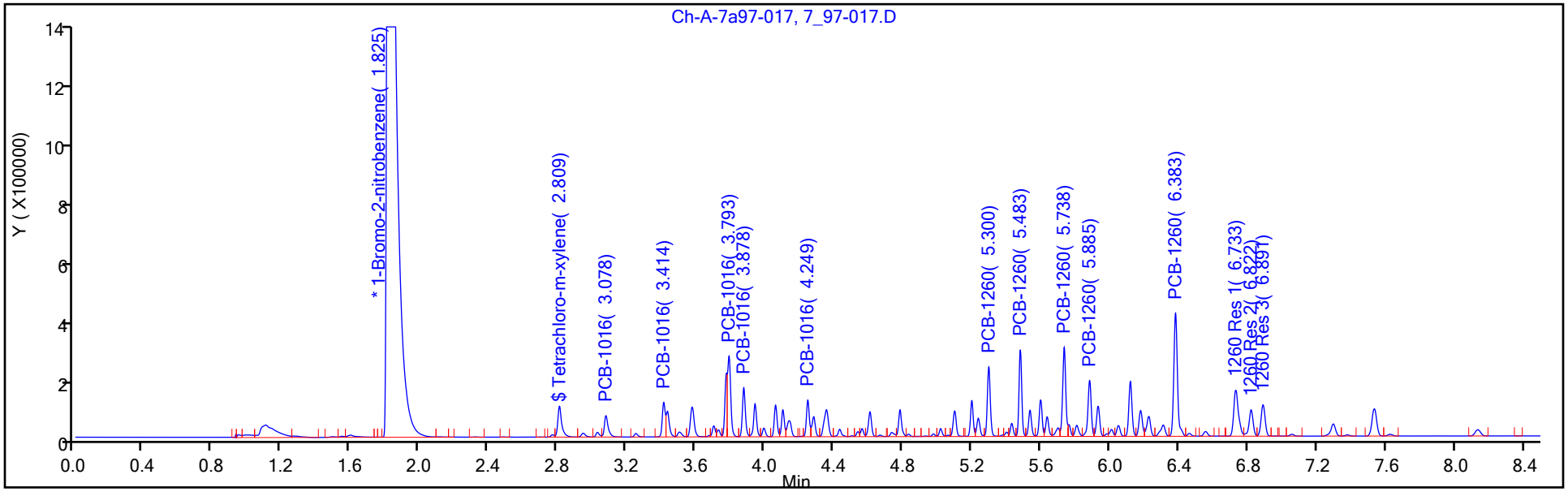
Report Date: 15-May-2021 13:50:43 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

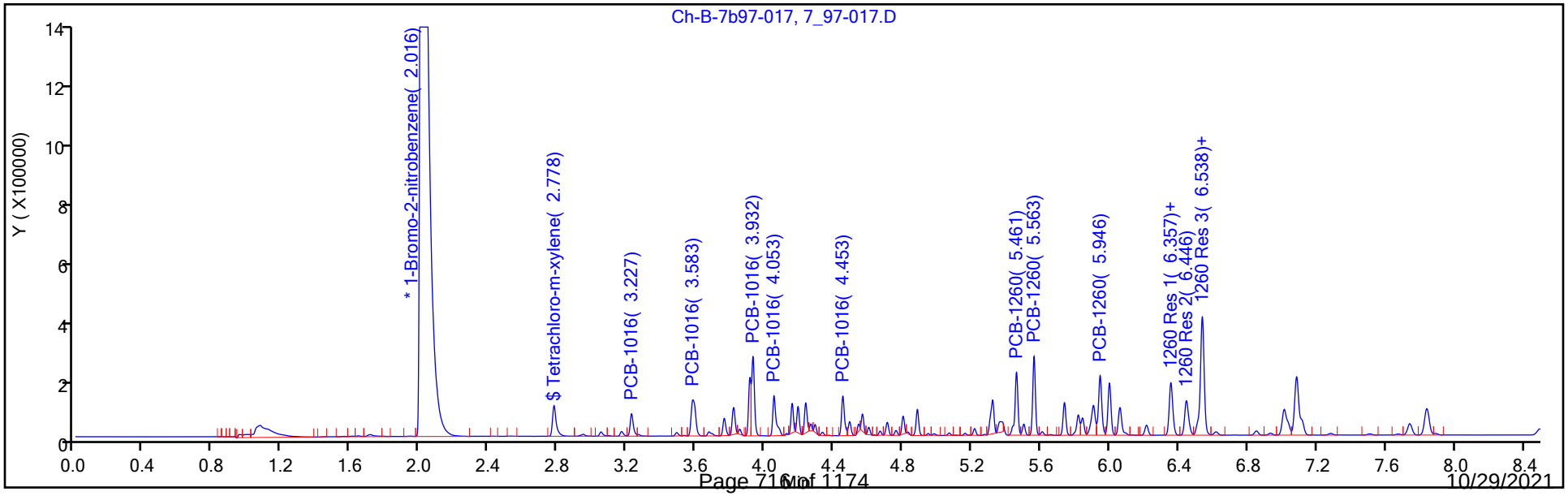
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-017.D

Injection Date:	14-May-2021 19:02:35	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC level 4			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-018.D
Lims ID: ICIS
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 14-May-2021 19:18:22 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2021 13:50:44 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1602

First Level Reviewer: schickr Date: 15-May-2021 12:33:30

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.825	1.825	0.000	11817886	0.5000	0.5000	
2	2.016	2.016	0.000	11254941	0.5000	0.5000	
						RPD = 0.00	
$ 3 Tetrachloro-m-xylene							
1	2.808	2.808	0.000	382089	0.0125	0.0126	
2	2.778	2.778	0.000	365955	0.0125	0.0124	
						RPD = 1.50	
4 PCB-1016							
1	3.078	3.078	0.000	243714	0.5000	0.4976	
1	3.413	3.413	0.000	321756	0.5000	0.5023	
1	3.793	3.793	0.000	803320	0.5000	0.5068	
1	3.878	3.878	0.000	445954	0.5000	0.5173	
1	4.249	4.249	0.000	327879	0.5000	0.4948	
		Average of Peak Amounts =				0.5038	
2	3.228	3.228	0.000	215652	0.5000	0.4990	
2	3.583	3.583	0.000	485596	0.5000	0.5000	
2	3.932	3.932	0.000	704782	0.5000	0.5035	
2	4.053	4.053	0.000	431739	0.5000	0.4816	
2	4.453	4.453	0.000	368975	0.5000	0.5086	
		Average of Peak Amounts =				0.4985	
						RPD = 1.04	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
8 PCB-1260							
1	5.299	5.299	0.000	635764	0.5000	0.4997	
1	5.483	5.483	0.000	753729	0.5000	0.5304	
1	5.738	5.738	0.000	965028	0.5000	0.5378	
1	5.884	5.884	0.000	575455	0.5000	0.5086	
1	6.384	6.384	0.000	1435550	0.5000	0.5236	
		Average of Peak Amounts =				0.5200	
2	5.462	5.462	0.000	615301	0.5000	0.4992	
2	5.563	5.563	0.000	673487	0.5000	0.4857	
2	5.946	5.946	0.000	644680	0.5000	0.5001	
2	6.358	6.358	0.000	607997	0.5000	0.4971	
2	6.538	6.538	0.000	1517774	0.5000	0.5058	
		Average of Peak Amounts =				0.4976	
						RPD = 4.41	
10 1260 Res 1							
1	6.732	6.732	0.000	691833	NC	NC	
2	6.358	6.358	0.000	607997	NC	NC	
11 1260 Res 2							
1	6.822	6.822	0.000	336761	NC	NC	
2	6.448	6.448	0.000	442878	NC	NC	
12 1260 Res 3							
1	6.889	6.889	0.000	394404	NC	NC	
2	6.538	6.538	0.000	1517774	NC	NC	
$ 13 DCB Decachlorobiphenyl							
1	8.699	8.699	0.000	296520	0.0125	0.0124	
2	9.151	9.151	0.000	305524	0.0125	0.0125	
						RPD = 0.64	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

1660sur/is0.5_00137 Amount Added: 1.00 Units: mL

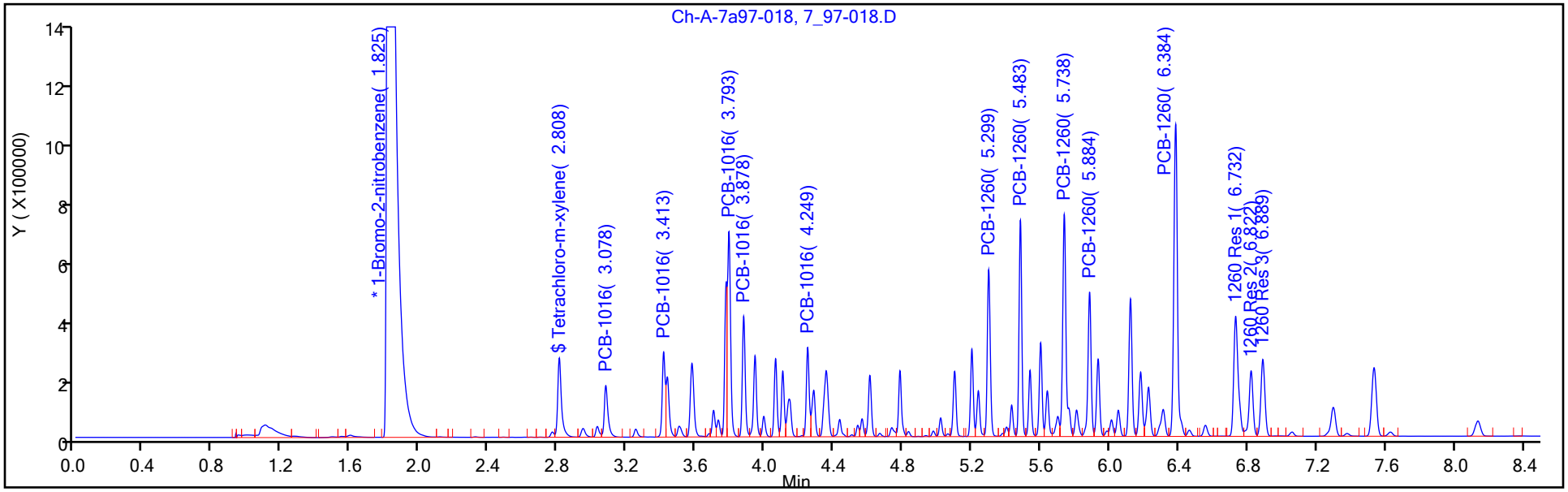
Report Date: 15-May-2021 13:50:44 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

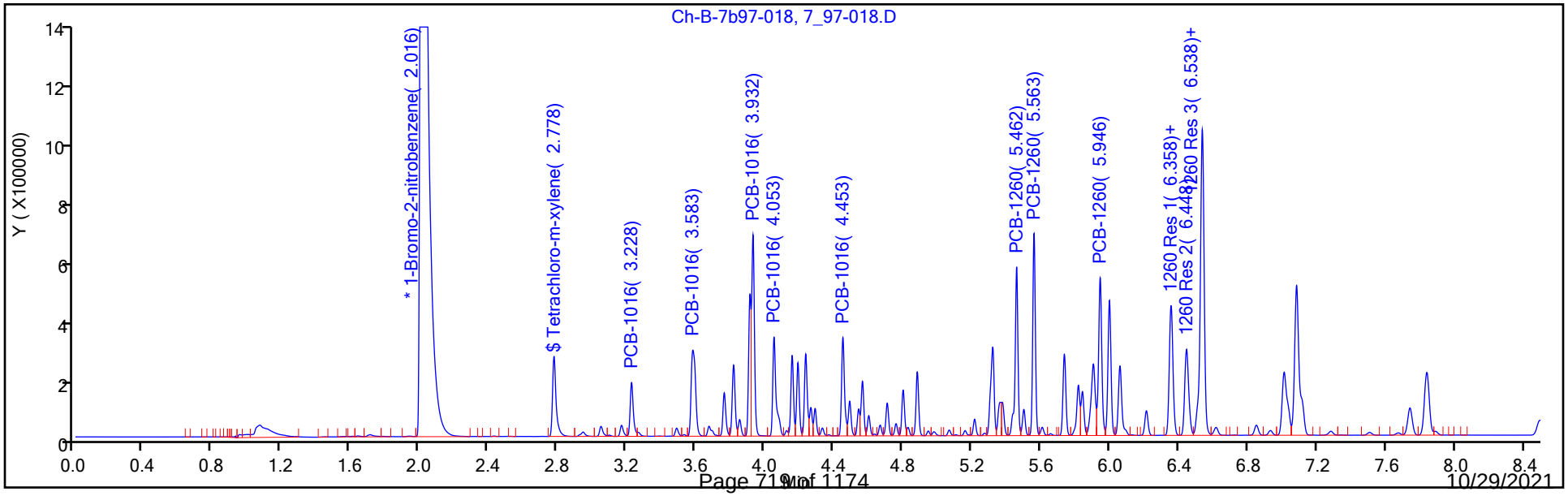
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-018.D

Injection Date:	14-May-2021 19:18:22	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	ICIS			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-019.D
Lims ID: IC level 6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 14-May-2021 19:34:08 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2021 13:50:46 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1602

First Level Reviewer: schickr Date: 15-May-2021 12:55:00

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.826	1.825	0.001	11689437	0.5000	0.5000	
2	2.017	2.016	0.001	11148683	0.5000	0.5000	
						RPD = 0.00	
$ 3 Tetrachloro-m-xylene							
1	2.808	2.808	0.000	743601	0.0250	0.0249	
2	2.778	2.778	0.000	718758	0.0250	0.0247	
						RPD = 0.81	
4 PCB-1016							
1	3.078	3.078	0.000	450420	1.00	0.9363	
1	3.413	3.413	0.000	571023	1.00	0.9064	
1	3.793	3.793	0.000	1485322	1.00	0.9493	
1	3.878	3.878	0.000	850639	1.00	1.01	
1	4.248	4.249	-0.001	630297	1.00	0.9644	
		Average of Peak Amounts =				0.9526	
2	3.228	3.228	0.000	400977	1.00	0.9435	
2	3.582	3.583	0.000	934477	1.00	0.9765	
2	3.933	3.932	0.000	1354920	1.00	0.9798	
2	4.055	4.053	0.002	830892	1.00	0.9357	
2	4.453	4.453	0.000	713615	1.00	1.00	
		Average of Peak Amounts =				0.9668	
						RPD = 1.48	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
8 PCB-1260							
1	5.300	5.299	0.001	1257871	1.00	1.01	
1	5.483	5.483	0.000	1443828	1.00	1.04	
1	5.738	5.738	0.000	1860727	1.00	1.05	
1	5.884	5.884	0.000	1109110	1.00	1.00	
1	6.383	6.384	-0.001	2785318	1.00	1.03	
		Average of Peak Amounts =				1.02	
2	5.461	5.462	-0.001	1207052	1.00	0.99	
2	5.563	5.563	0.000	1328660	1.00	0.9674	
2	5.947	5.946	0.001	1251176	1.00	0.9813	
2	6.357	6.358	-0.001	1196054	1.00	0.9890	
2	6.539	6.538	0.001	2979917	1.00	1.00	
		Average of Peak Amounts =				0.9867	
						RPD = 3.75	
10 1260 Res 1							
1	6.733	6.732	0.002	1356353	NC	NC	
2	6.357	6.358	-0.001	1196054	NC	NC	
11 1260 Res 2							
1	6.820	6.822	-0.002	648979	NC	NC	
2	6.447	6.448	-0.001	868421	NC	NC	
12 1260 Res 3							
1	6.889	6.889	0.000	771450	NC	NC	
2	6.539	6.538	0.001	2979917	NC	NC	
$ 13 DCB Decachlorobiphenyl							
1	8.698	8.699	-0.001	575561	0.0250	0.0245	
2	9.151	9.151	0.000	591424	0.0250	0.0244	
						RPD = 0.23	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

1660sur/is1.0_00023 Amount Added: 1.00 Units: mL

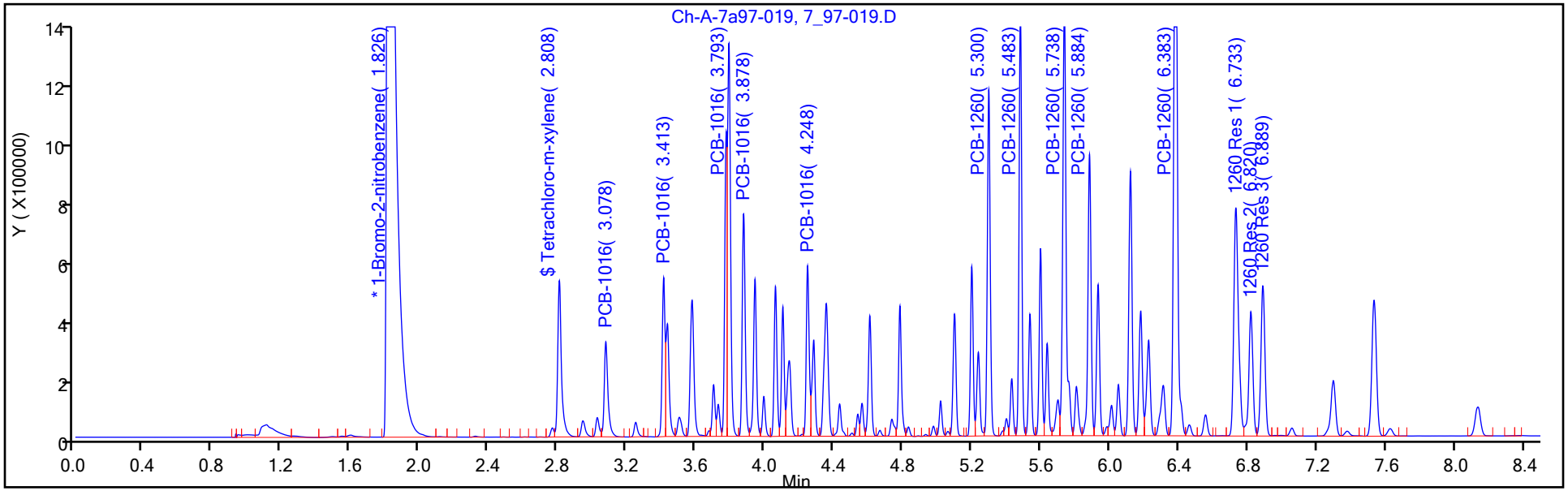
Report Date: 15-May-2021 13:50:46 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

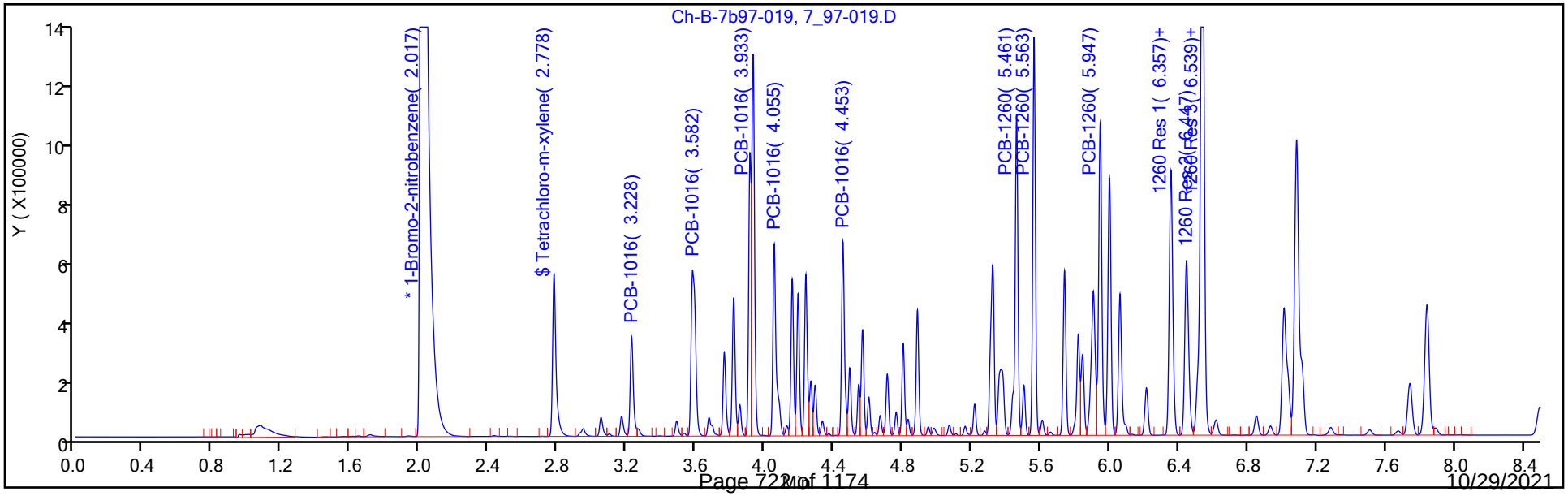
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-019.D

Injection Date:	14-May-2021 19:34:08	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC level 6			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-020.D
Lims ID: IC level 7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 14-May-2021 19:50:09 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2021 13:50:48 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1602

First Level Reviewer: schickr Date: 15-May-2021 13:50:23

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.825	1.825	0.000	11630798	0.5000	0.5000	
2	2.015	2.016	-0.001	11040479	0.5000	0.5000	
						RPD = 0.00	
$ 3 Tetrachloro-m-xylene							
1	2.809	2.808	0.001	1483067	0.0500	0.0500	
2	2.777	2.778	-0.001	1435977	0.0500	0.0499	
						RPD = 0.21	
4 PCB-1016							
1	3.078	3.078	0.000	863202	2.00	1.81	
1	3.413	3.413	0.000	1090435	2.00	1.75	
1	3.793	3.793	0.000	3032727	2.00	1.95	
1	3.878	3.878	0.000	1641860	2.00	1.96	
1	4.249	4.249	0.000	1231678	2.00	1.90	
		Average of Peak Amounts =				1.87	
2	3.227	3.228	-0.001	782775	2.00	1.87	
2	3.583	3.583	0.000	1753008	2.00	1.85	
2	3.932	3.932	0.000	2682751	2.00	1.96	
2	4.054	4.053	0.001	1618555	2.00	1.84	
2	4.453	4.453	-0.001	1402686	2.00	1.99	
		Average of Peak Amounts =				1.90	
						RPD = 1.56	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
8 PCB-1260							
1	5.299	5.299	0.000	2373493	2.00	1.91	
1	5.483	5.483	-0.001	2664212	2.00	1.93	
1	5.738	5.738	0.000	3415925	2.00	1.95	
1	5.885	5.884	0.001	2041155	2.00	1.85	
1	6.383	6.384	-0.002	5207116	2.00	1.94	
		Average of Peak Amounts =				1.92	
2	5.461	5.462	-0.001	2419589	2.00	2.01	
2	5.563	5.563	0.000	2613051	2.00	1.92	
2	5.946	5.946	0.000	2552326	2.00	2.02	
2	6.357	6.358	-0.001	2413614	2.00	2.02	
2	6.538	6.538	0.000	5872047	2.00	2.00	
		Average of Peak Amounts =				1.99	
						RPD = 4.04	
10 1260 Res 1							
1	6.733	6.732	0.001	2612587	NC	NC	
2	6.357	6.358	-0.001	2413614	NC	NC	
11 1260 Res 2							
1	6.822	6.822	0.000	1248182	NC	NC	
2	6.448	6.448	0.000	1748111	NC	NC	
12 1260 Res 3							
1	6.890	6.889	0.001	1480051	NC	NC	
2	6.538	6.538	0.000	5872047	NC	NC	
$ 13 DCB Decachlorobiphenyl							
1	8.698	8.699	-0.001	1093459	0.0500	0.0470	
2	9.149	9.151	-0.002	1152820	0.0500	0.0482	
						RPD = 2.60	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

1660sur/is2.0_00025 Amount Added: 1.00 Units: mL

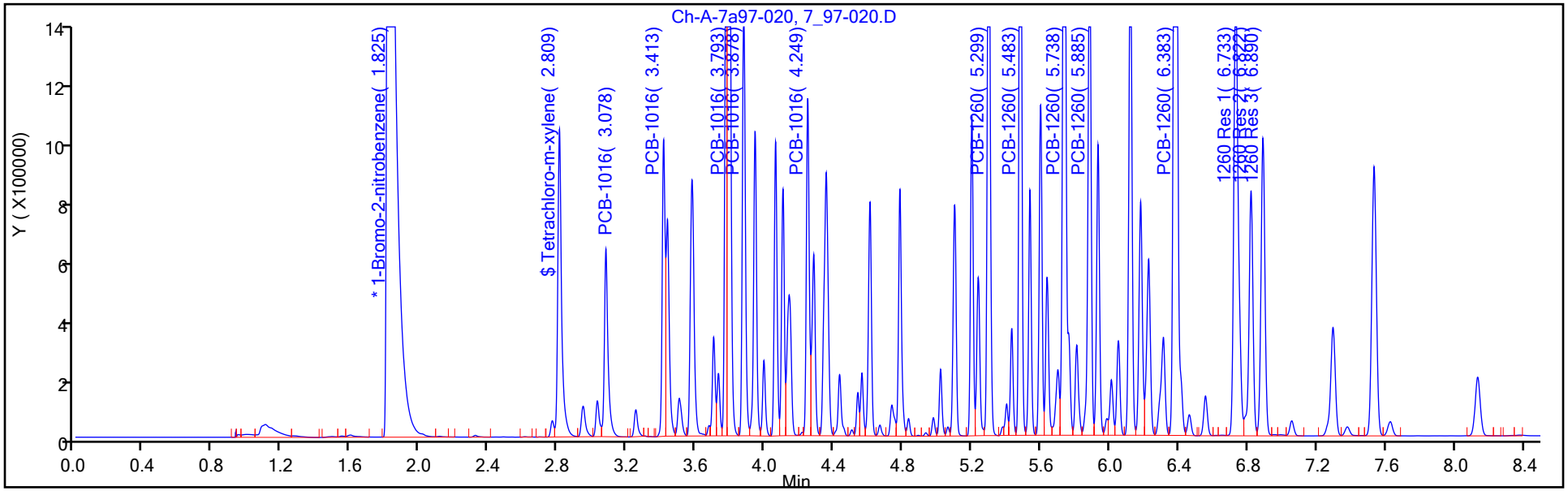
Report Date: 15-May-2021 13:50:48 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

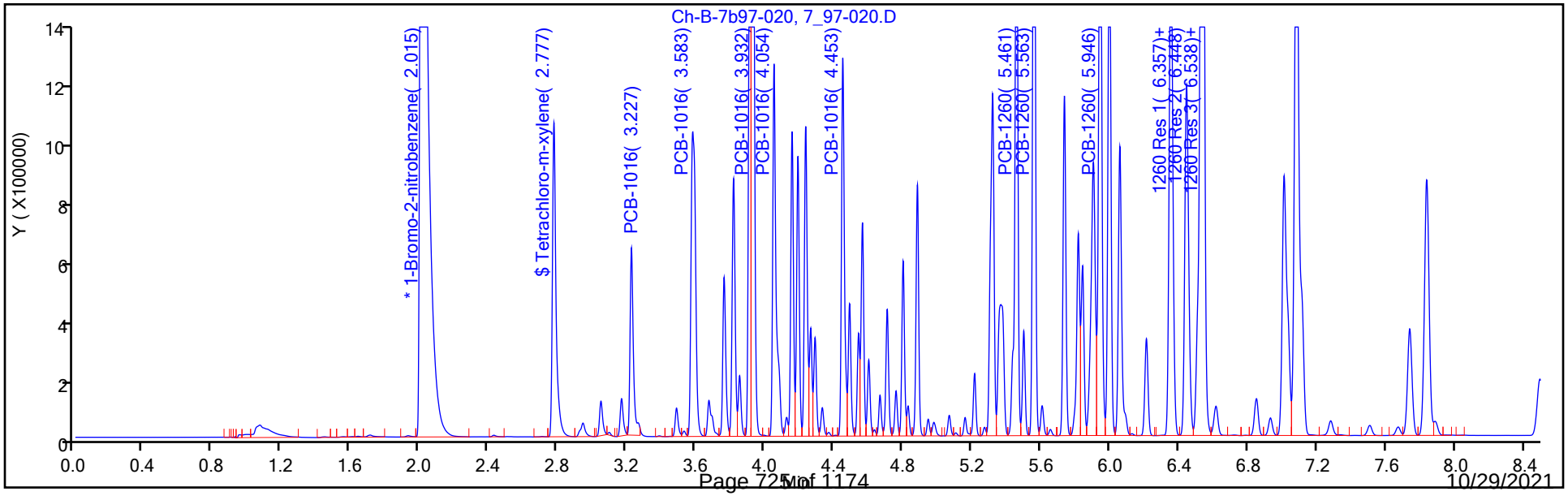
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-020.D

Injection Date:	14-May-2021 19:50:09	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC level 7			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Calibration / Tetrachloro-m-xylene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

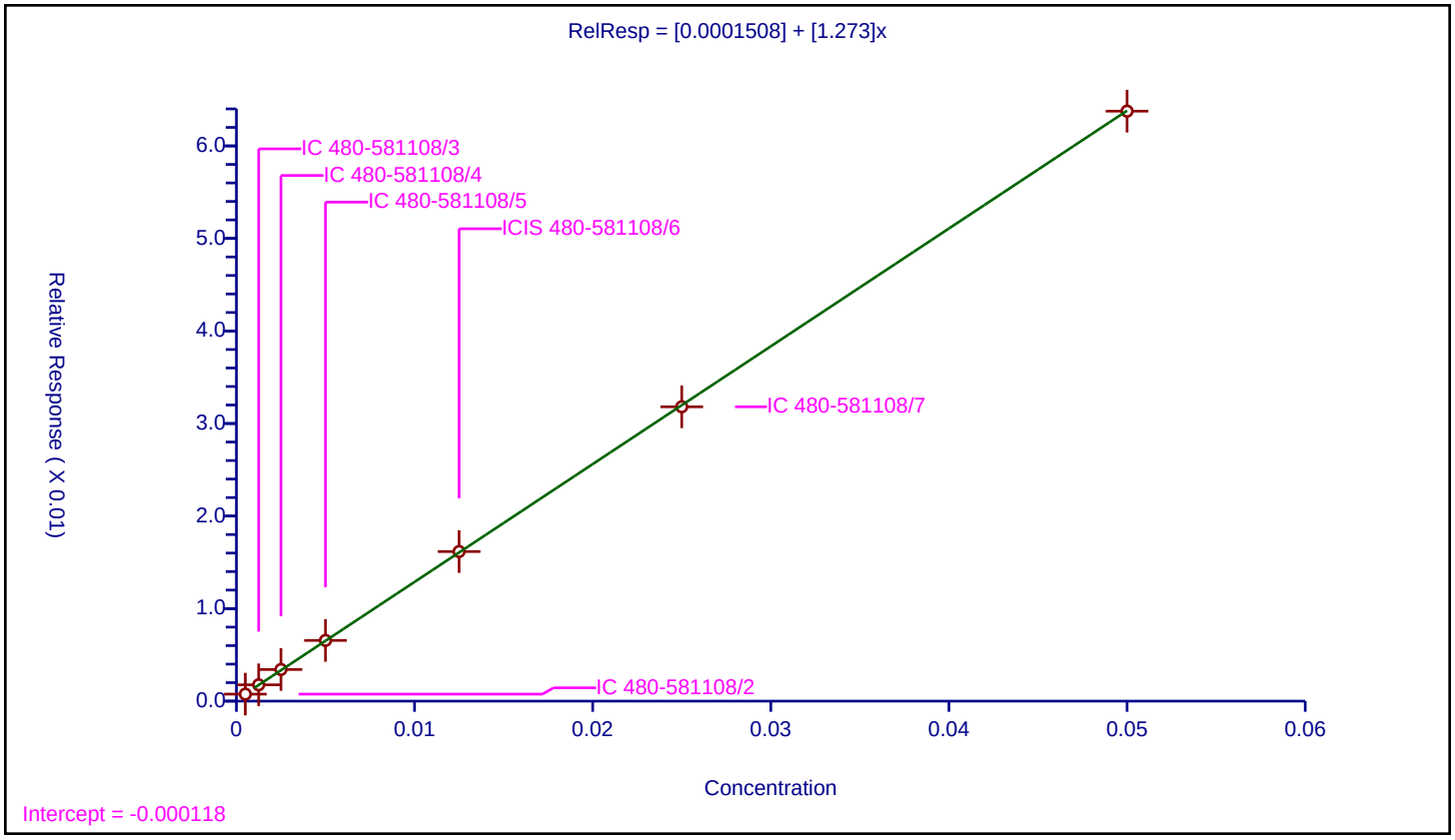
Curve Coefficients

Intercept:	0.0001508
Slope:	1.273

Error Coefficients

Standard Error:	766000
Relative Standard Error:	2.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/2	0.0005	0.000757	0.5	11806507.0	1.513911	Y
2	IC 480-581108/3	0.00125	0.001764	0.5	11819202.0	1.410992	Y
3	IC 480-581108/4	0.0025	0.003419	0.5	11908297.0	1.367685	Y
4	IC 480-581108/5	0.005	0.006562	0.5	11808029.0	1.31237	Y
5	ICIS 480-581108/6	0.0125	0.016166	0.5	11817886.0	1.293257	Y
6	IC 480-581108/7	0.025	0.031807	0.5	11689437.0	1.272261	Y
7	IC 480-581108/8	0.05	0.063756	0.5	11630798.0	1.275121	Y



Calibration / PCB-1016 Peak 1

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

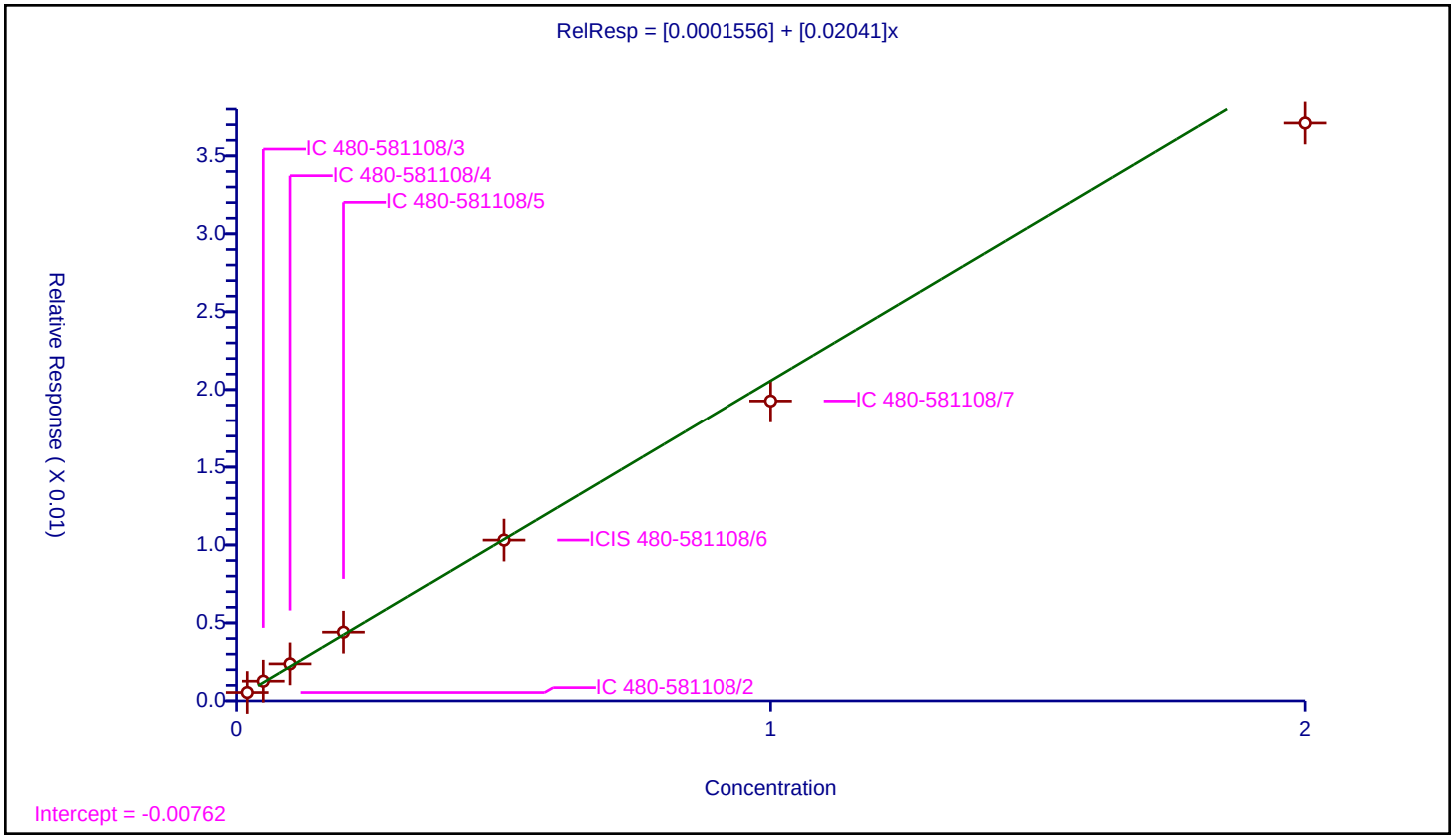
Curve Coefficients

Intercept:	0.0001556
Slope:	0.02041

Error Coefficients

Standard Error:	452000
Relative Standard Error:	8.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/2	0.02	0.000541	0.5	11806507.0	0.027072	Y
2	IC 480-581108/3	0.05	0.001267	0.5	11819202.0	0.025334	Y
3	IC 480-581108/4	0.1	0.002377	0.5	11908297.0	0.023766	Y
4	IC 480-581108/5	0.2	0.004406	0.5	11808029.0	0.022028	Y
5	ICIS 480-581108/6	0.5	0.010311	0.5	11817886.0	0.020622	Y
6	IC 480-581108/7	1.0	0.019266	0.5	11689437.0	0.019266	Y
7	IC 480-581108/8	2.0	0.037108	0.5	11630798.0	0.018554	Y



Calibration / PCB-1016 Peak 2

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

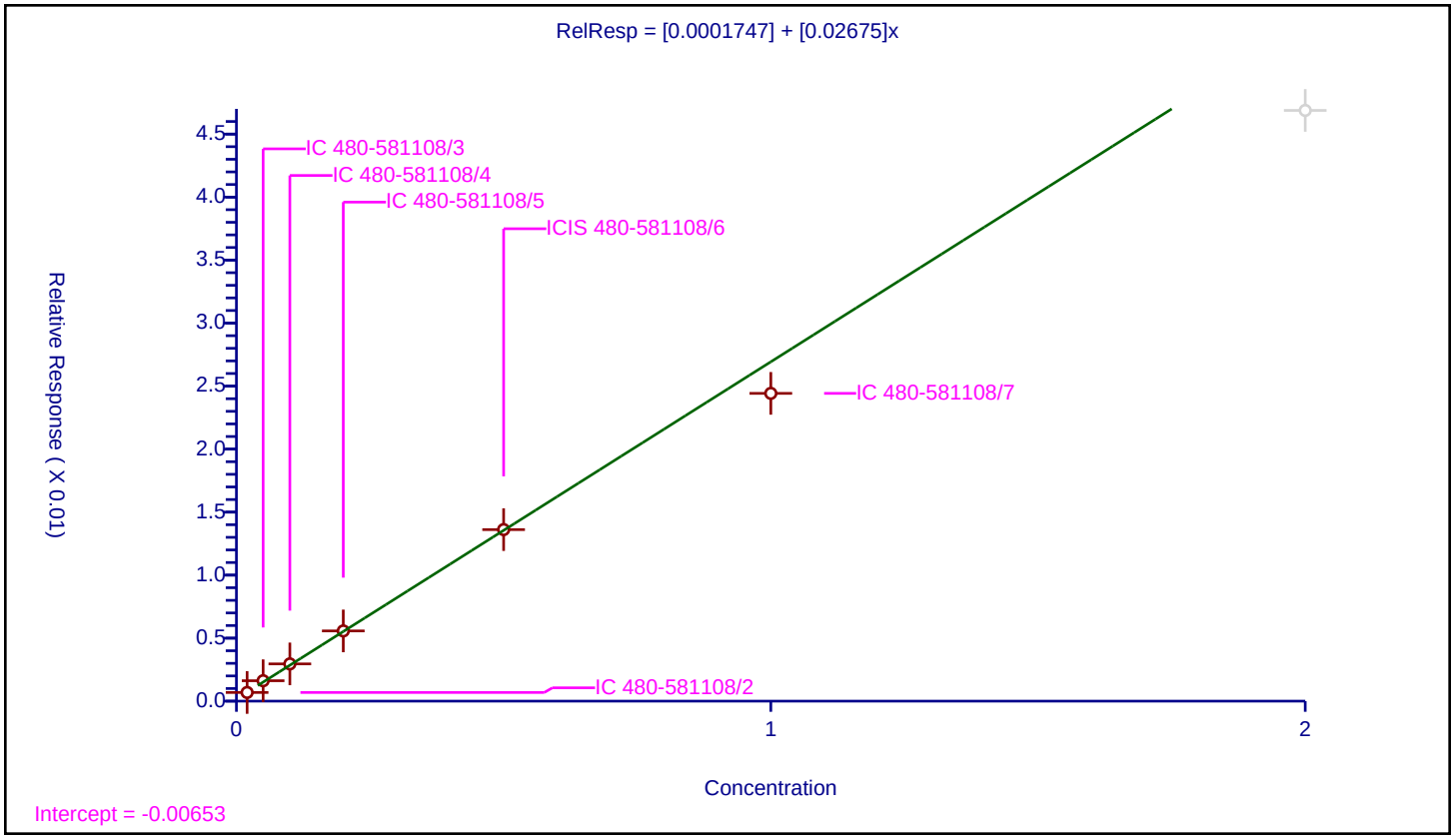
Curve Coefficients

Intercept:	0.0001747
Slope:	0.02675

Error Coefficients

Standard Error:	337000
Relative Standard Error:	6.8
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/2	0.02	0.000689	0.5	11806507.0	0.034441	Y
2	IC 480-581108/3	0.05	0.00162	0.5	11819202.0	0.032391	Y
3	IC 480-581108/4	0.1	0.002955	0.5	11908297.0	0.029553	Y
4	IC 480-581108/5	0.2	0.005572	0.5	11808029.0	0.027858	Y
5	ICIS 480-581108/6	0.5	0.013613	0.5	11817886.0	0.027226	Y
6	IC 480-581108/7	1.0	0.024425	0.5	11689437.0	0.024425	Y
7	IC 480-581108/8	2.0	0.046877	0.5	11630798.0	0.023439	N



Calibration / PCB-1016 Peak 3

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

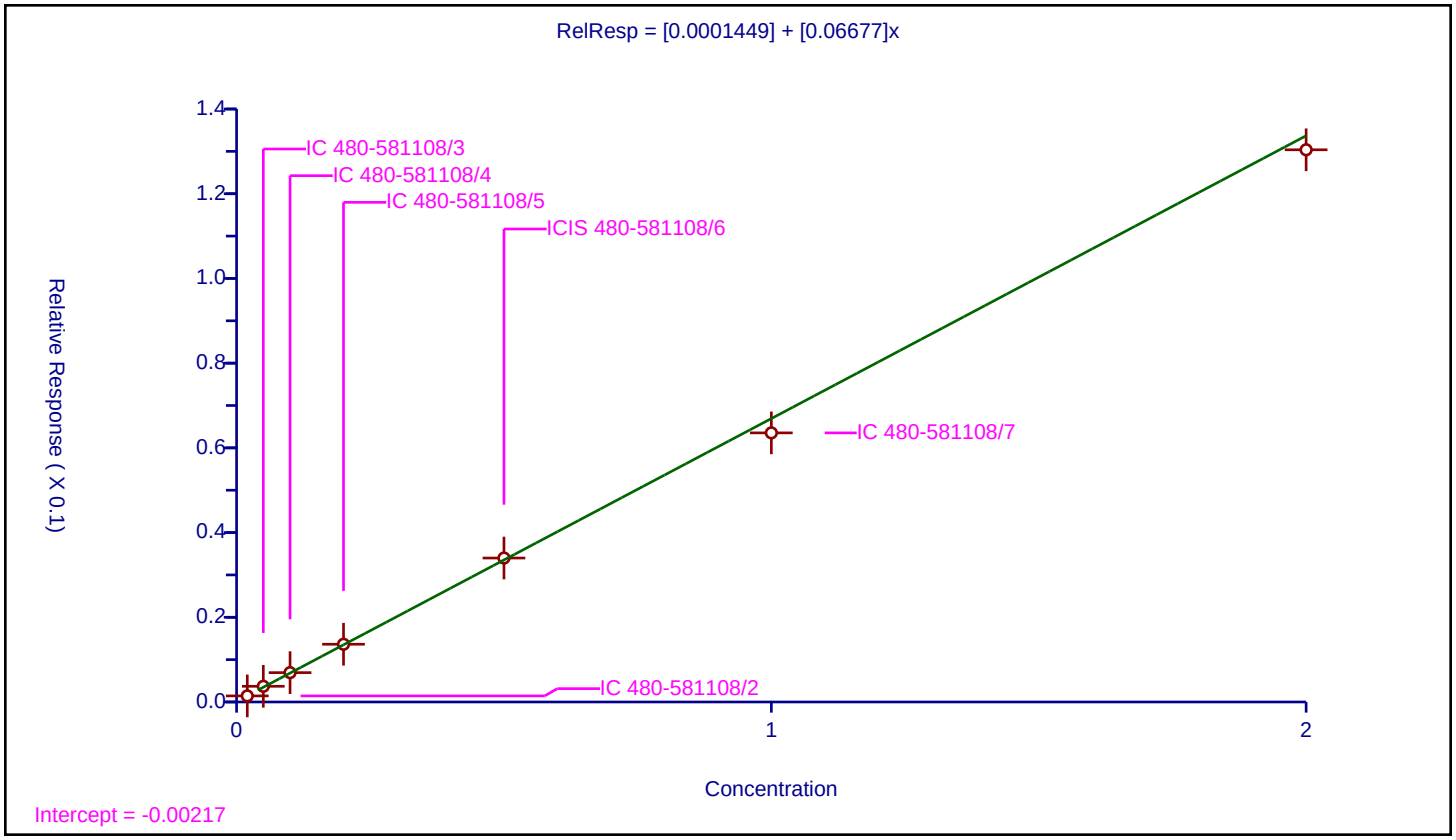
Curve Coefficients

Intercept:	0.0001449
Slope:	0.06677

Error Coefficients

Standard Error:	1560000
Relative Standard Error:	4.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/2	0.02	0.001441	0.5	11806507.0	0.072032	Y
2	IC 480-581108/3	0.05	0.003703	0.5	11819202.0	0.074051	Y
3	IC 480-581108/4	0.1	0.006929	0.5	11908297.0	0.069285	Y
4	IC 480-581108/5	0.2	0.013634	0.5	11808029.0	0.068168	Y
5	ICIS 480-581108/6	0.5	0.033987	0.5	11817886.0	0.067975	Y
6	IC 480-581108/7	1.0	0.063533	0.5	11689437.0	0.063533	Y
7	IC 480-581108/8	2.0	0.130375	0.5	11630798.0	0.065187	Y



Calibration / PCB-1016 Peak 4

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

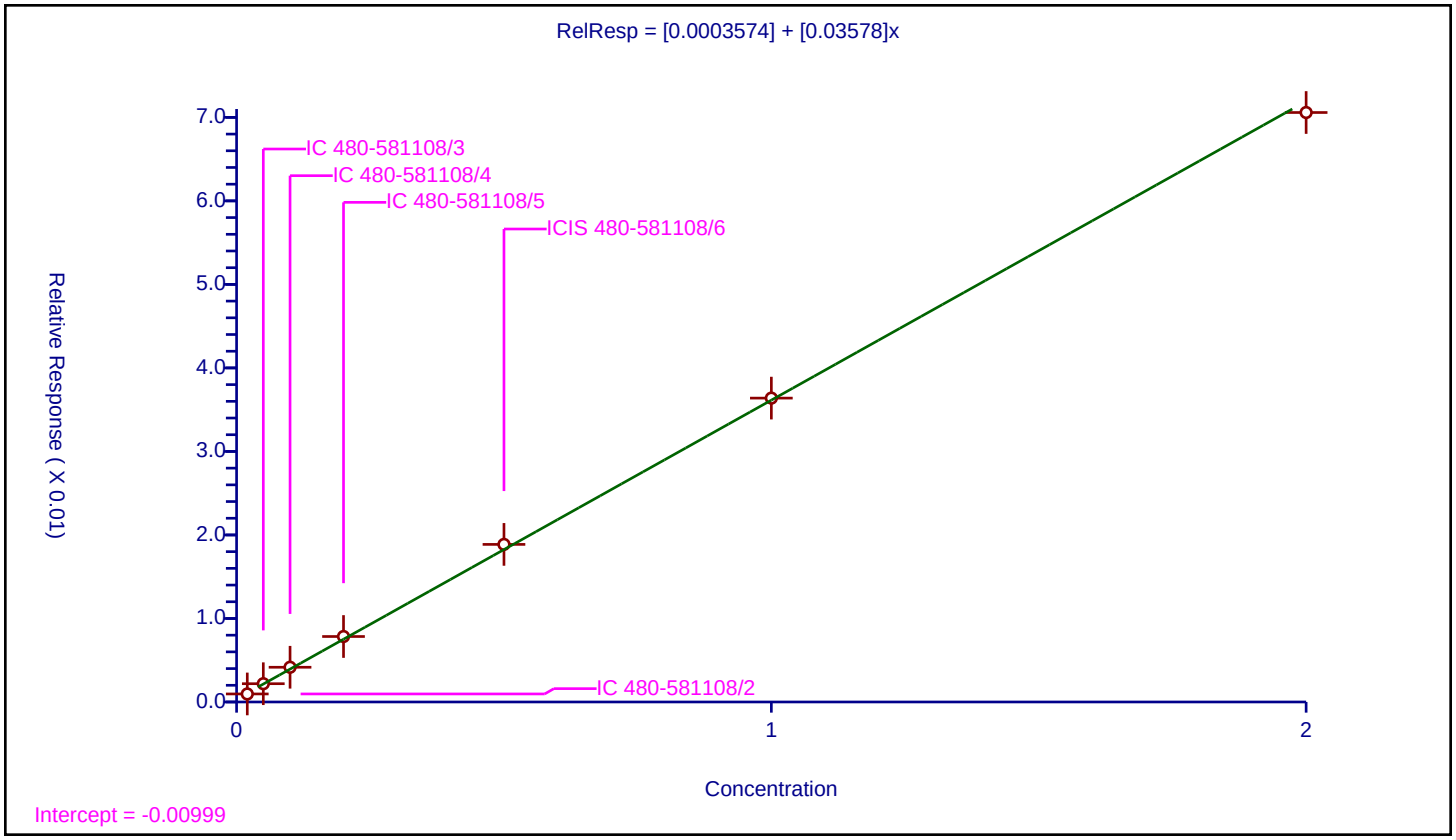
Curve Coefficients

Intercept:	0.0003574
Slope:	0.03578

Error Coefficients

Standard Error:	856000
Relative Standard Error:	8.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/2	0.02	0.000962	0.5	11806507.0	0.04812	Y
2	IC 480-581108/3	0.05	0.00219	0.5	11819202.0	0.043801	Y
3	IC 480-581108/4	0.1	0.004159	0.5	11908297.0	0.041593	Y
4	IC 480-581108/5	0.2	0.007839	0.5	11808029.0	0.039195	Y
5	ICIS 480-581108/6	0.5	0.018868	0.5	11817886.0	0.037736	Y
6	IC 480-581108/7	1.0	0.036385	0.5	11689437.0	0.036385	Y
7	IC 480-581108/8	2.0	0.070582	0.5	11630798.0	0.035291	Y



Calibration / PCB-1016 Peak 5

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

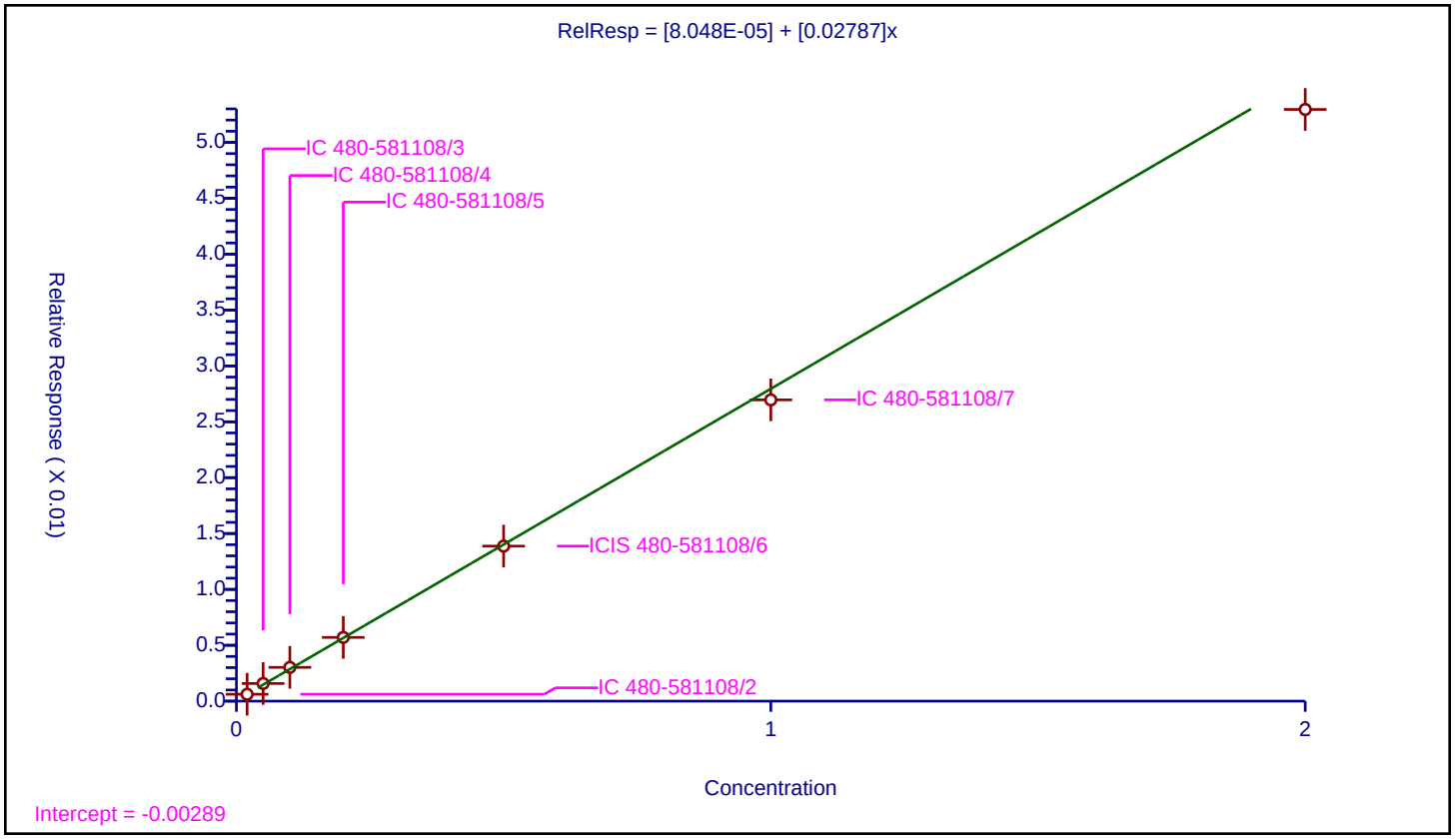
Curve Coefficients

Intercept:	8.048E-05
Slope:	0.02787

Error Coefficients

Standard Error:	640000
Relative Standard Error:	5.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/2	0.02	0.000616	0.5	11806507.0	0.030784	Y
2	IC 480-581108/3	0.05	0.001578	0.5	11819202.0	0.031559	Y
3	IC 480-581108/4	0.1	0.00302	0.5	11908297.0	0.0302	Y
4	IC 480-581108/5	0.2	0.005702	0.5	11808029.0	0.028509	Y
5	ICIS 480-581108/6	0.5	0.013872	0.5	11817886.0	0.027744	Y
6	IC 480-581108/7	1.0	0.02696	0.5	11689437.0	0.02696	Y
7	IC 480-581108/8	2.0	0.052949	0.5	11630798.0	0.026474	Y



Calibration / PCB-1260 Peak 1

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

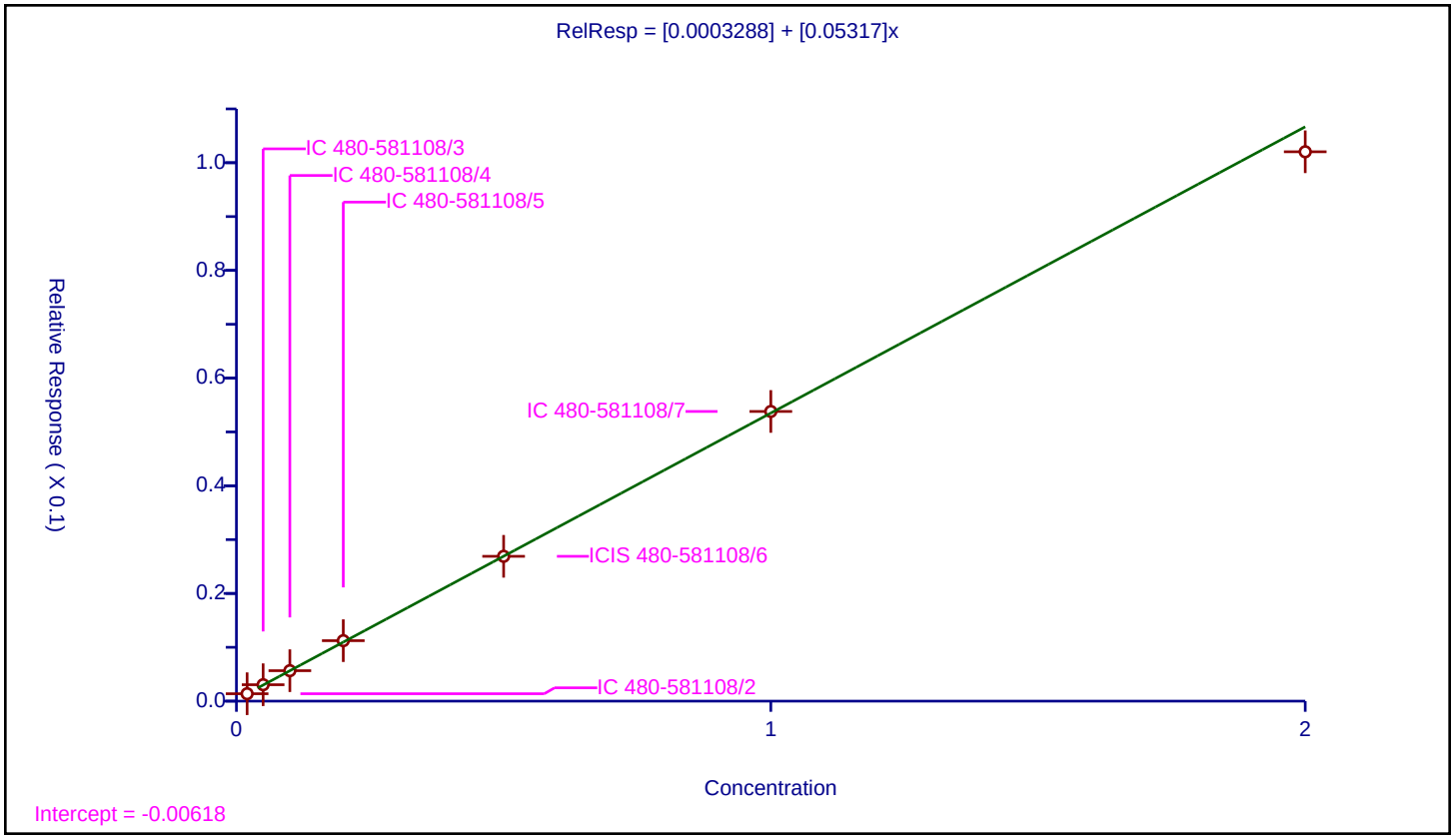
Curve Coefficients

Intercept:	0.0003288
Slope:	0.05317

Error Coefficients

Standard Error:	1240000
Relative Standard Error:	2.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/2	0.02	0.00138	0.5	11806507.0	0.068985	Y
2	IC 480-581108/3	0.05	0.003049	0.5	11819202.0	0.060971	Y
3	IC 480-581108/4	0.1	0.005659	0.5	11908297.0	0.056589	Y
4	IC 480-581108/5	0.2	0.01123	0.5	11808029.0	0.056148	Y
5	ICIS 480-581108/6	0.5	0.026898	0.5	11817886.0	0.053797	Y
6	IC 480-581108/7	1.0	0.053804	0.5	11689437.0	0.053804	Y
7	IC 480-581108/8	2.0	0.102035	0.5	11630798.0	0.051017	Y



Calibration / PCB-1260 Peak 2

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

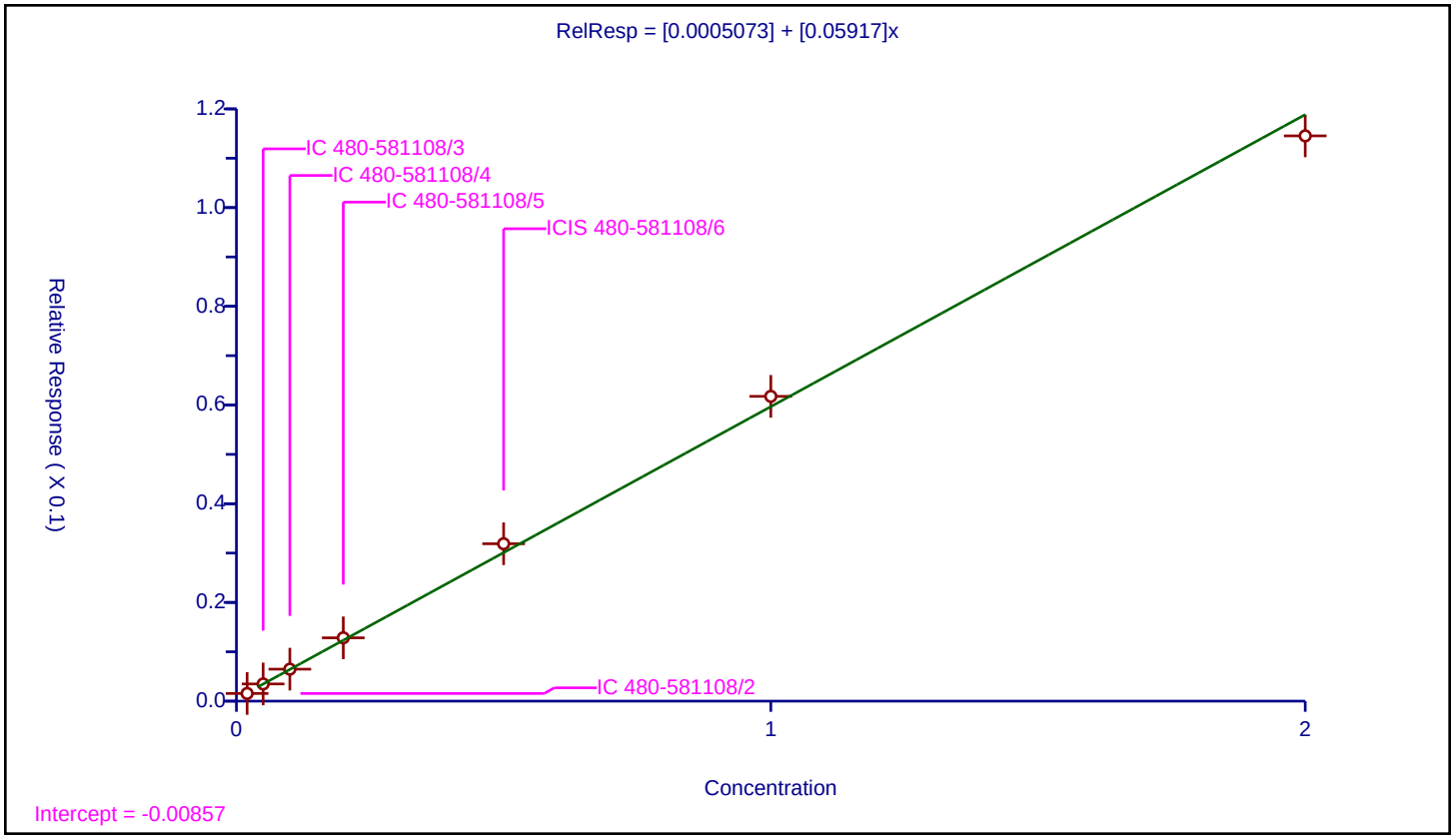
Curve Coefficients

Intercept:	0.0005073
Slope:	0.05917

Error Coefficients

Standard Error:	1410000
Relative Standard Error:	6.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/2	0.02	0.001553	0.5	11806507.0	0.07765	Y
2	IC 480-581108/3	0.05	0.003482	0.5	11819202.0	0.06964	Y
3	IC 480-581108/4	0.1	0.006481	0.5	11908297.0	0.064808	Y
4	IC 480-581108/5	0.2	0.012833	0.5	11808029.0	0.064164	Y
5	ICIS 480-581108/6	0.5	0.031889	0.5	11817886.0	0.063779	Y
6	IC 480-581108/7	1.0	0.061758	0.5	11689437.0	0.061758	Y
7	IC 480-581108/8	2.0	0.114533	0.5	11630798.0	0.057266	Y



Calibration / PCB-1260 Peak 3

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

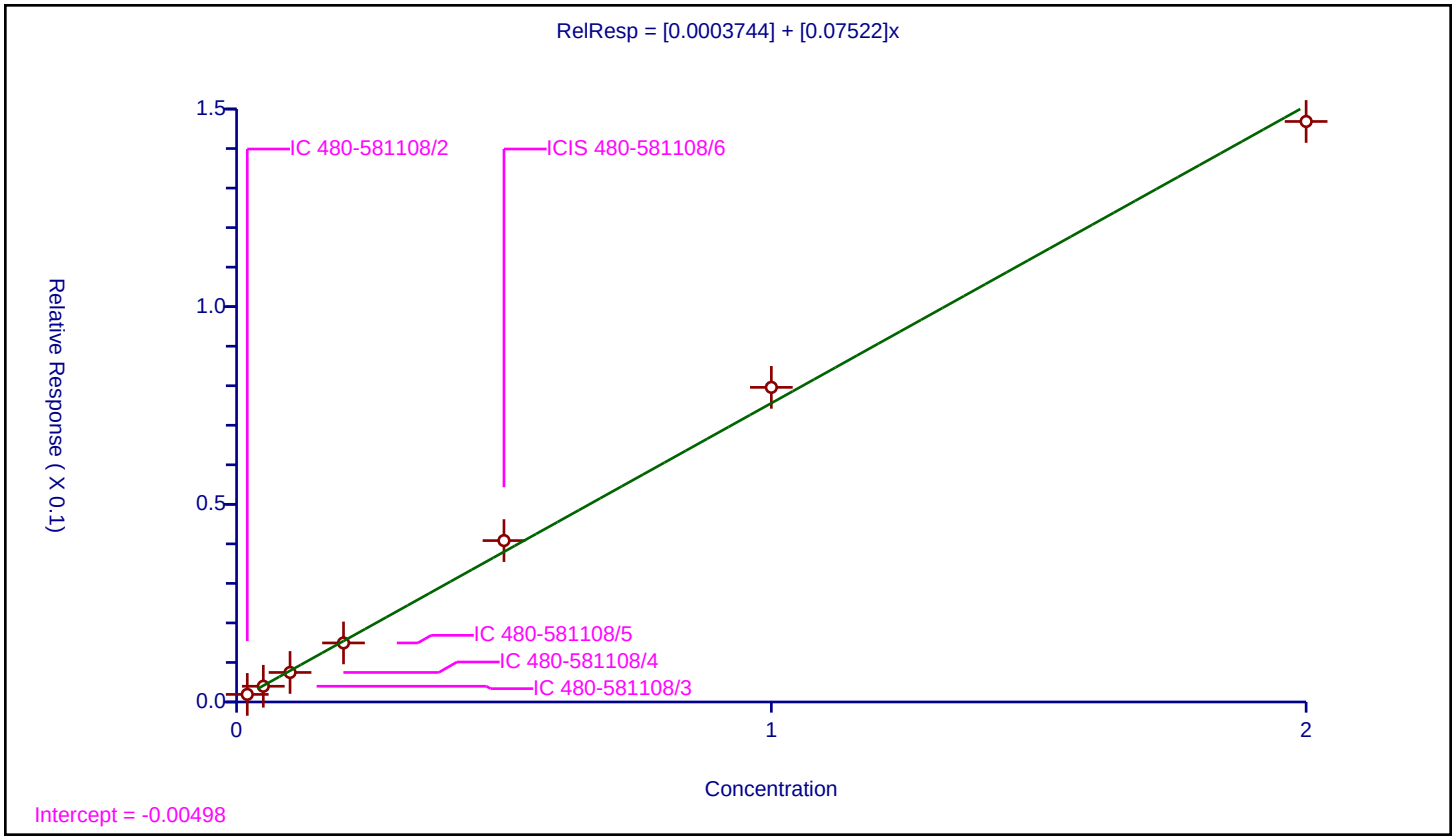
Curve Coefficients

Intercept:	0.0003744
Slope:	0.07522

Error Coefficients

Standard Error:	1800000
Relative Standard Error:	5.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/2	0.02	0.00192	0.5	11806507.0	0.095981	Y
2	IC 480-581108/3	0.05	0.003981	0.5	11819202.0	0.079617	Y
3	IC 480-581108/4	0.1	0.007472	0.5	11908297.0	0.074719	Y
4	IC 480-581108/5	0.2	0.014941	0.5	11808029.0	0.074705	Y
5	ICIS 480-581108/6	0.5	0.040829	0.5	11817886.0	0.081658	Y
6	IC 480-581108/7	1.0	0.07959	0.5	11689437.0	0.07959	Y
7	IC 480-581108/8	2.0	0.146848	0.5	11630798.0	0.073424	Y



Calibration / PCB-1260 Peak 4

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

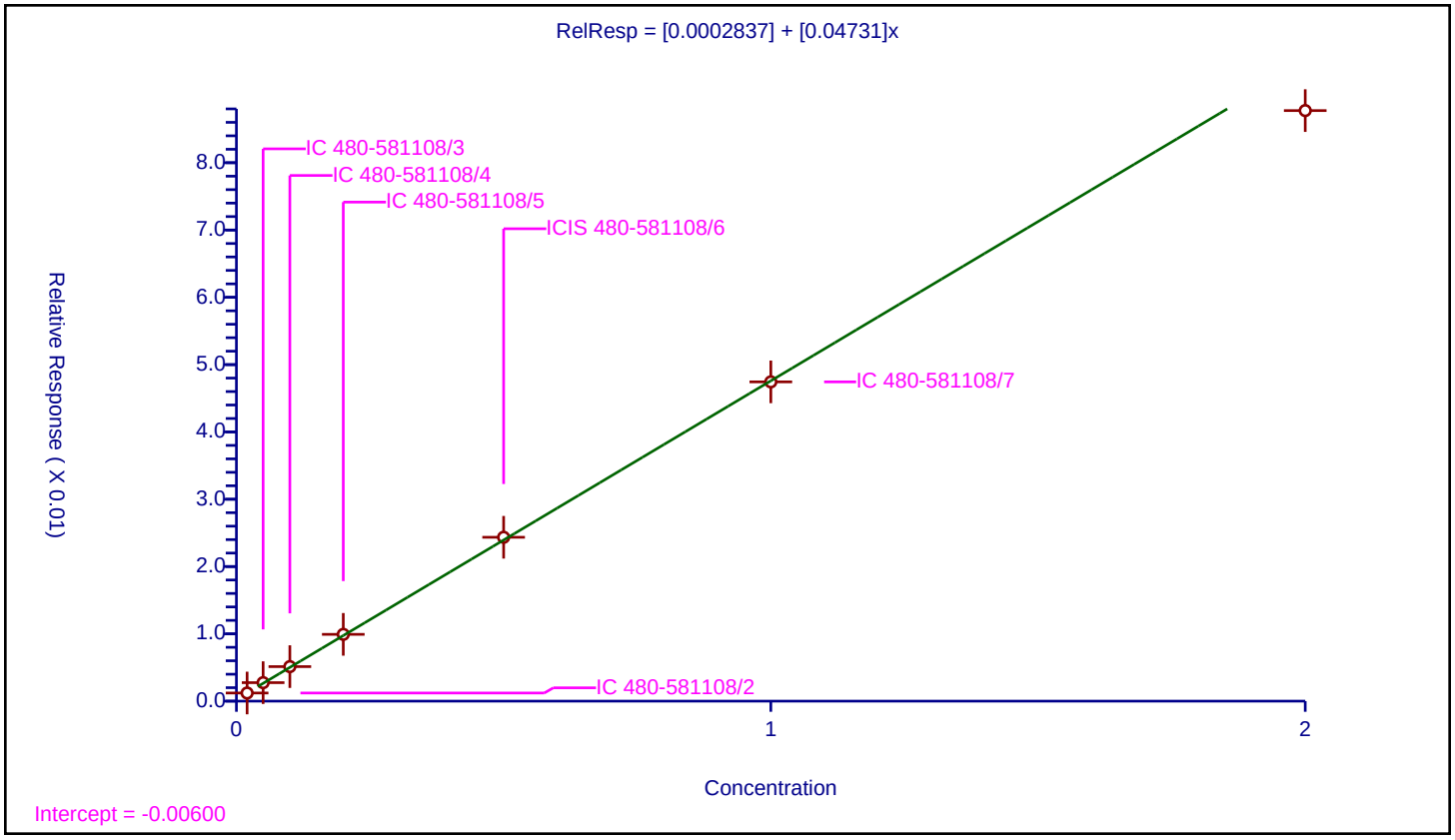
Curve Coefficients

Intercept:	0.0002837
Slope:	0.04731

Error Coefficients

Standard Error:	1080000
Relative Standard Error:	4.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/2	0.02	0.001208	0.5	11806507.0	0.060397	Y
2	IC 480-581108/3	0.05	0.002747	0.5	11819202.0	0.05493	Y
3	IC 480-581108/4	0.1	0.005133	0.5	11908297.0	0.051325	Y
4	IC 480-581108/5	0.2	0.009923	0.5	11808029.0	0.049614	Y
5	ICIS 480-581108/6	0.5	0.024347	0.5	11817886.0	0.048694	Y
6	IC 480-581108/7	1.0	0.047441	0.5	11689437.0	0.047441	Y
7	IC 480-581108/8	2.0	0.087748	0.5	11630798.0	0.043874	Y



Calibration / PCB-1260 Peak 5

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

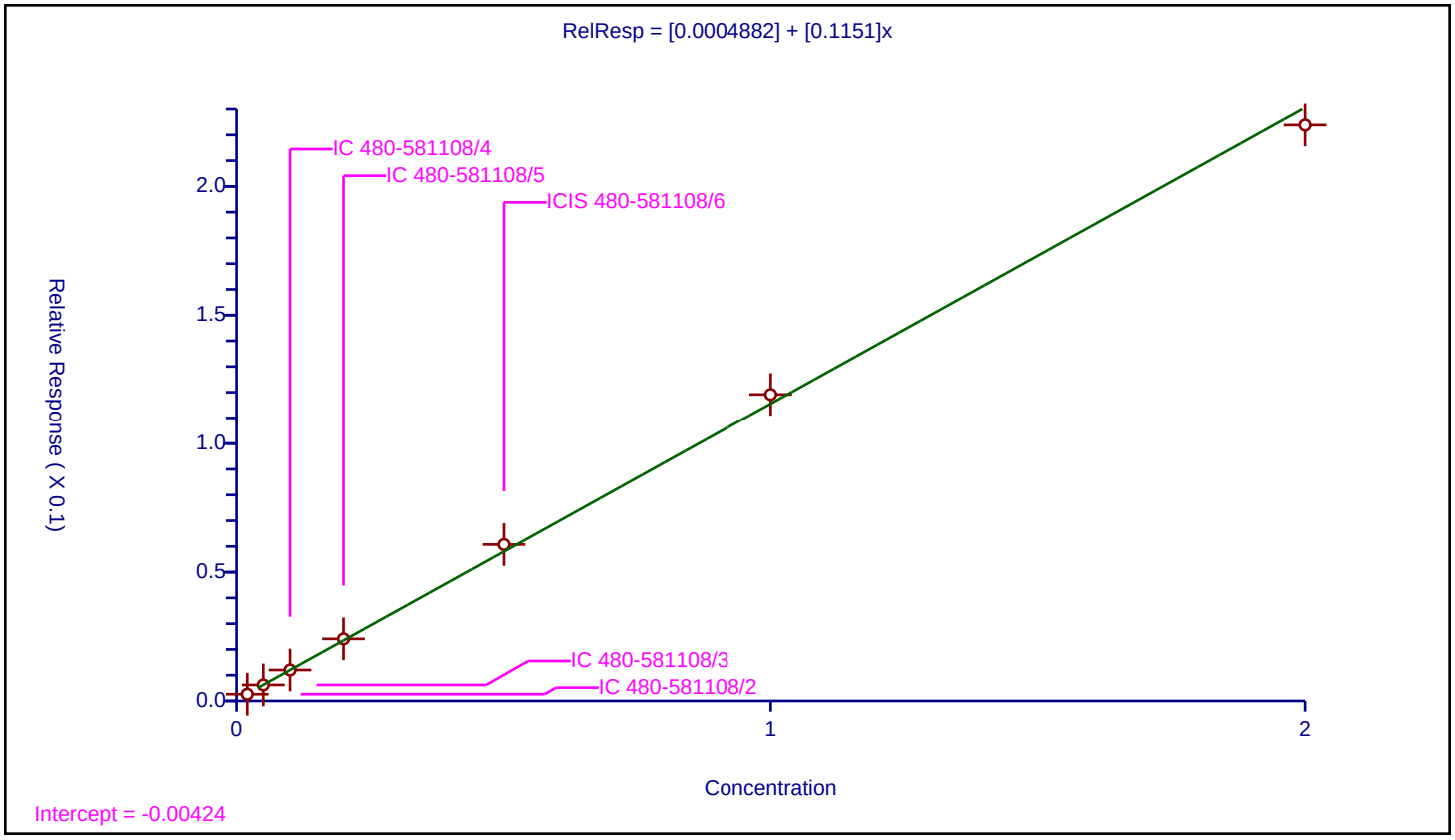
Curve Coefficients

Intercept:	0.0004882
Slope:	0.1151

Error Coefficients

Standard Error:	2730000
Relative Standard Error:	4.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/2	0.02	0.00262	0.5	11806507.0	0.130981	Y
2	IC 480-581108/3	0.05	0.006222	0.5	11819202.0	0.124439	Y
3	IC 480-581108/4	0.1	0.012012	0.5	11908297.0	0.120119	Y
4	IC 480-581108/5	0.2	0.024103	0.5	11808029.0	0.120515	Y
5	ICIS 480-581108/6	0.5	0.060736	0.5	11817886.0	0.121473	Y
6	IC 480-581108/7	1.0	0.119138	0.5	11689437.0	0.119138	Y
7	IC 480-581108/8	2.0	0.22385	0.5	11630798.0	0.111925	Y



Calibration / DCB Decachlorobiphenyl

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

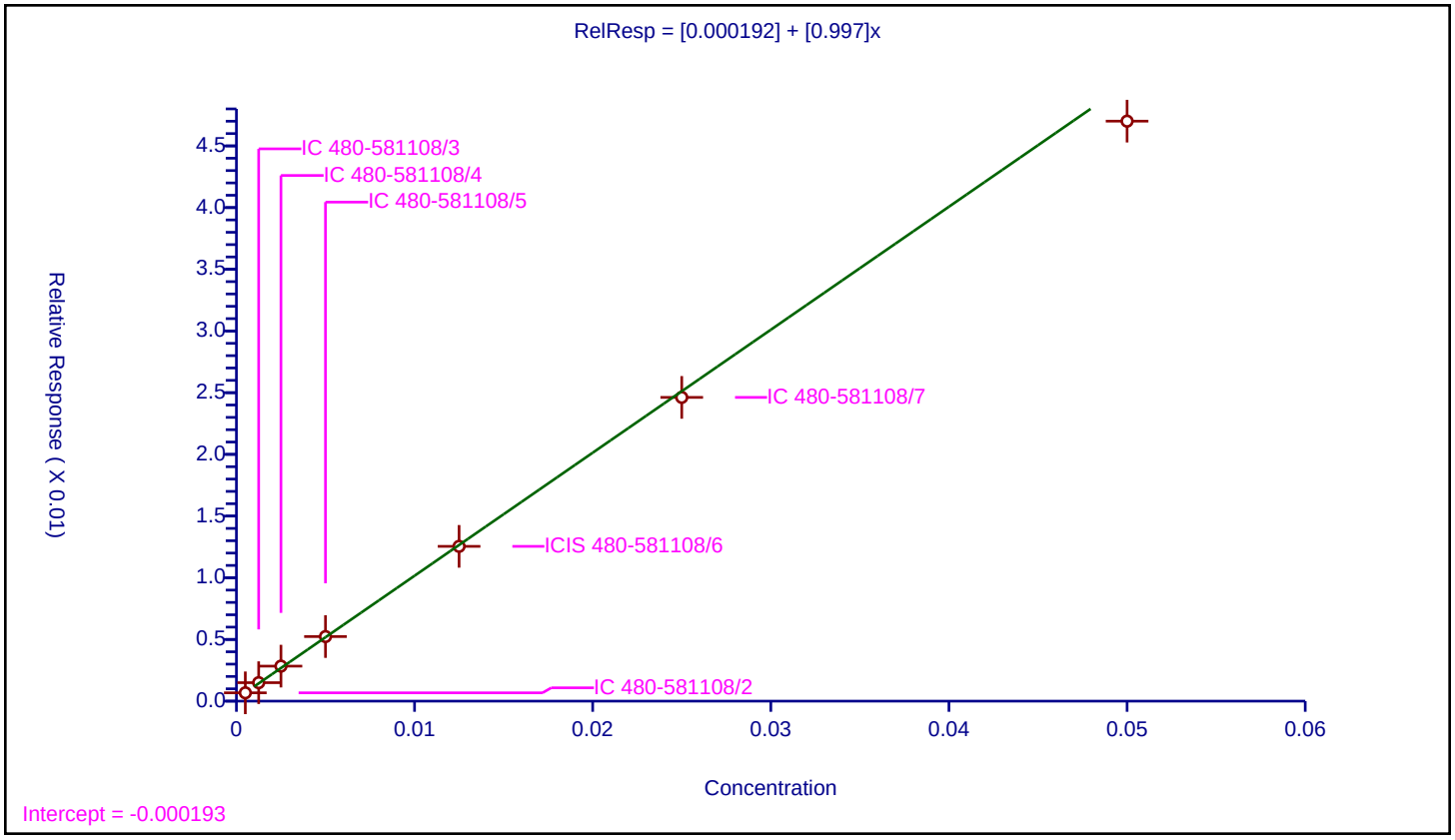
Curve Coefficients

Intercept:	0.000192
Slope:	0.997

Error Coefficients

Standard Error:	572000
Relative Standard Error:	4.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/2	0.0005	0.000675	0.5	11806507.0	1.349849	Y
2	IC 480-581108/3	0.00125	0.001498	0.5	11819202.0	1.19822	Y
3	IC 480-581108/4	0.0025	0.002839	0.5	11908297.0	1.13541	Y
4	IC 480-581108/5	0.005	0.005233	0.5	11808029.0	1.046593	Y
5	ICIS 480-581108/6	0.0125	0.012545	0.5	11817886.0	1.003631	Y
6	IC 480-581108/7	0.025	0.024619	0.5	11689437.0	0.984754	Y
7	IC 480-581108/8	0.05	0.047007	0.5	11630798.0	0.940141	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 581108

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/14/2021 18:14 Calibration End Date: 05/14/2021 19:50 Calibration ID: 41830

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-581108/2	7_97-014.D
Level 2	IC 480-581108/3	7_97-015.D
Level 3	IC 480-581108/4	7_97-016.D
Level 4	IC 480-581108/5	7_97-017.D
Level 5	ICIS 480-581108/6	7_97-018.D
Level 6	IC 480-581108/7	7_97-019.D
Level 7	IC 480-581108/8	7_97-020.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1016 Peak 1	0.0256 0.0180	0.0231 0.0177	0.0217	0.0202	0.0192	Lin2	0.0001	0.0189				6.2			0.9960		0.9900
PCB-1016 Peak 2	0.0532 0.0419	0.0495 0.0397	0.0470	0.0453	0.0431	Lin2	0.0002	0.0427				4.9			0.9970		0.9900
PCB-1016 Peak 3	0.0701 0.0608	0.0647 0.0607	0.0642	0.0646	0.0626	Lin2	0.0002	0.0618				2.0			1.0000		0.9900
PCB-1016 Peak 4	0.0441 0.0373	0.0425 0.0367	0.0413	0.0387	0.0384	Ave		0.0398				7.0		20.0			
PCB-1016 Peak 5	0.0392 0.0320	0.0360 0.0318	0.0348	0.0332	0.0328	Lin1	0.0002	0.0319				3.6			1.0000		0.9900
PCB-1260 Peak 1	0.0659 0.0541	0.0577 0.0548	0.0571	0.0541	0.0547	Lin1	0.0002	0.0544				1.9			1.0000		0.9900
PCB-1260 Peak 2	0.0695 0.0596	0.0626 0.0592	0.0612	0.0594	0.0598	Ave		0.0616				6.0		20.0			
PCB-1260 Peak 3	0.0627 0.0561	0.0593 0.0578	0.0581	0.0559	0.0573	Lin1	0.0001	0.0571				2.0			1.0000		0.9900
PCB-1260 Peak 4	0.0594 0.0536	0.0571 0.0547	0.0557	0.0532	0.0540	Lin1	0.0001	0.0541				1.7			1.0000		0.9900
PCB-1260 Peak 5	0.1400 0.1336	0.1356 0.1330	0.1346	0.1316	0.1349	Lin2	0.0001	0.1330				0.9			1.0000		0.9900
Tetrachloro-m-xylene	1.5354 1.2894	1.4268 1.3006	1.3947	1.3069	1.3006	Lin2	0.0001	1.3019				2.1			1.0000		0.9900
DCB Decachlorobiphenyl	1.2326 1.0610	1.1758 1.0442	1.1623	1.1120	1.0858	Lin2	0.0001	1.0816				3.1			0.9990		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 581108

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/14/2021 18:14 Calibration End Date: 05/14/2021 19:50 Calibration ID: 41830

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-581108/2	7_97-014.D
Level 2	IC 480-581108/3	7_97-015.D
Level 3	IC 480-581108/4	7_97-016.D
Level 4	IC 480-581108/5	7_97-017.D
Level 5	ICIS 480-581108/6	7_97-018.D
Level 6	IC 480-581108/7	7_97-019.D
Level 7	IC 480-581108/8	7_97-020.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	BNB	Lin2	11536 400977	25872 782775	49068	91121	215652	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 2	BNB	Lin2	23983 934477	55365 1753008	106056	203997	485596	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 3	BNB	Lin2	31597 1354920	72360 2682751	145021	291065	704782	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 4	BNB	Ave	19872 830892	47507 1618555	93207	174274	431739	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 5	BNB	Lin1	17656 713615	40309 1402686	78705	149368	368975	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 1	BNB	Lin1	29720 1207052	64582 2419589	128909	243580	615301	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 2	BNB	Ave	31331 1328660	69987 2613051	138171	267417	673487	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 3	BNB	Lin1	28279 1251176	66363 2552326	131281	251889	644680	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 4	BNB	Lin1	26796 1196054	63898 2413614	125739	239773	607997	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 5	BNB	Lin2	63117 2979917	151681 5872047	304102	592818	1517774	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
Tetrachloro-m-xylene	BNB	Lin2	17303 718758	39911 1435977	78748	147202	365955	0.000500 0.0250	0.00125 0.0500	0.00250	0.00500	0.0125
DCB Decachlorobiphenyl	BNB	Lin2	13890 591424	32889 1152820	65625	125249	305524	0.000500 0.0250	0.00125 0.0500	0.00250	0.00500	0.0125

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 581108

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/14/2021 18:14 Calibration End Date: 05/14/2021 19:50 Calibration ID: 41830

Curve Type Legend

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-014.D
Lims ID: IC level 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 14-May-2021 18:14:57 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2021 13:50:37 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1602

First Level Reviewer: schickr Date: 15-May-2021 12:32:31

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.834	1.834	0.000	11806507	0.5000	0.5000	
2	2.015	2.015	0.000	11269236	0.5000	0.5000	
						RPD = 0.00	
$ 3 Tetrachloro-m-xylene							
1	2.823	2.823	0.000	17874	0.000500	0.000476	
2	2.776	2.776	0.000	17303	0.000500	0.000494	
						RPD = 3.67	
4 PCB-1016							a
1	3.094	3.094	0.000	12785	0.0200	0.0189	
1	3.429	3.429	0.000	16265	0.0200	0.0192	
1	3.810	3.810	0.000	34018	0.0200	0.0194	a
1	3.896	3.896	0.000	22725	0.0200	0.0169	
1	4.266	4.266	0.000	14538	0.0200	0.0192	
		Average of Peak Amounts =				0.0187	
2	3.227	3.227	0.000	11536	0.0200	0.0192	
2	3.581	3.581	0.000	23983	0.0200	0.0194	
2	3.933	3.933	0.000	31597	0.0200	0.0200	
2	4.056	4.056	0.000	19872	0.0200	0.0221	
2	4.455	4.455	0.000	17656	0.0200	0.0187	
		Average of Peak Amounts =				0.0199	
						RPD = 5.90	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
8 PCB-1260							
1	5.316	5.316	0.000	32579	0.0200	0.0198	
1	5.500	5.500	0.000	36671	0.0200	0.0177	
1	5.754	5.754	0.000	45328	0.0200	0.0205	
1	5.903	5.903	0.000	28523	0.0200	0.0195	
1	6.402	6.402	0.000	61857	0.0200	0.0185	
		Average of Peak Amounts =				0.0192	
2	5.463	5.463	0.000	29720	0.0200	0.0205	
2	5.565	5.565	0.000	31331	0.0200	0.0226	
2	5.950	5.950	0.000	28279	0.0200	0.0205	
2	6.363	6.363	0.000	26796	0.0200	0.0201	
2	6.545	6.545	0.000	63117	0.0200	0.0200	
		Average of Peak Amounts =				0.0207	
						RPD = 7.70	
10 1260 Res 1							
1	6.755	6.755	0.000	31812	NC	NC	
2	6.363	6.363	0.000	26796	NC	NC	
11 1260 Res 2							
1	6.842	6.842	0.000	16192	NC	NC	
2	6.453	6.453	0.000	19897	NC	NC	
12 1260 Res 3							
1	6.913	6.913	0.000	19497	NC	NC	
2	6.545	6.545	0.000	63117	NC	NC	
$ 13 DCB Decachlorobiphenyl							
1	8.727	8.727	0.000	15937	0.000500	0.000484	
2	9.163	9.163	0.000	13890	0.000500	0.000491	
						RPD = 1.31	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

1660sur/is.02_00023 Amount Added: 1.00 Units: mL

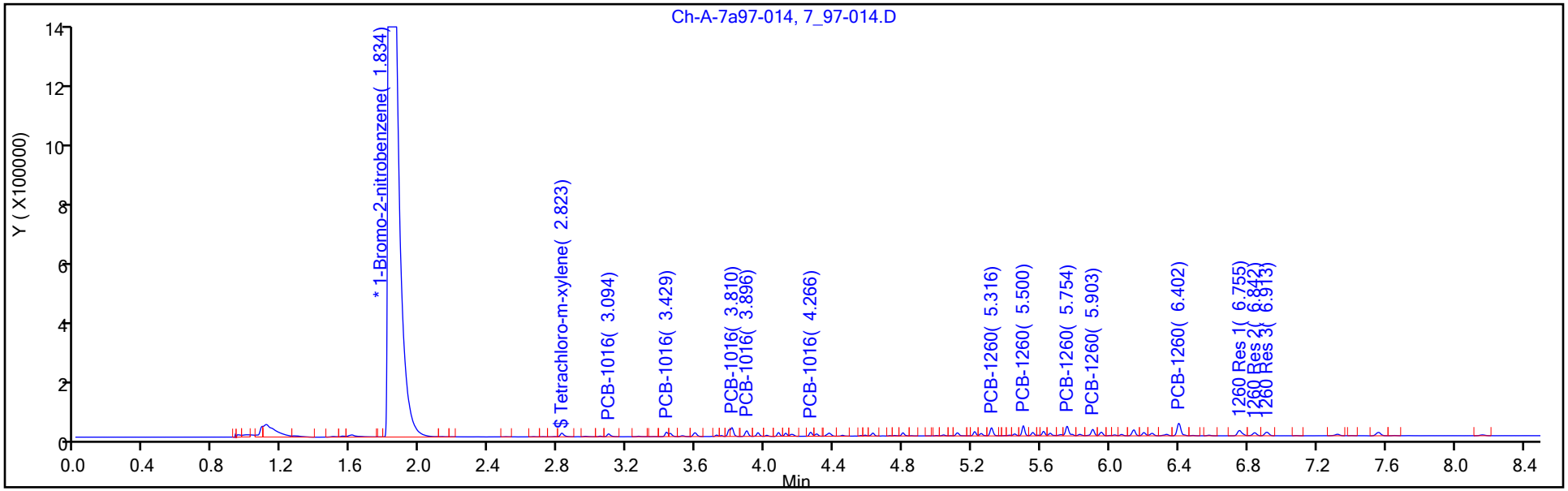
Report Date: 15-May-2021 13:50:38 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

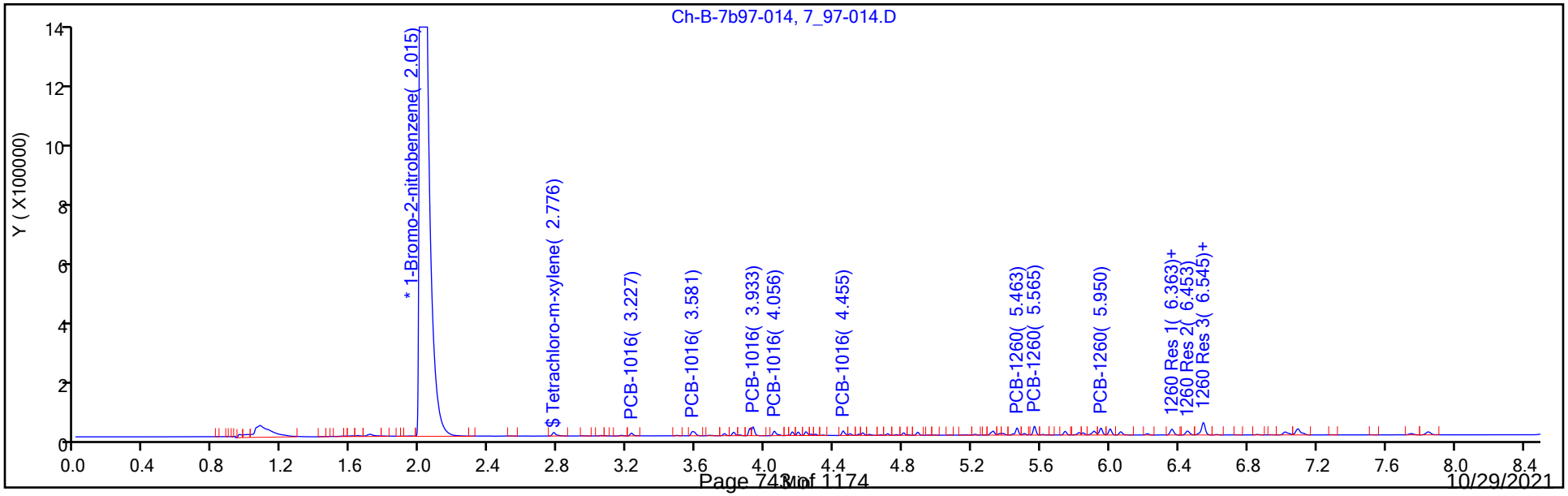
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-014.D

Injection Date:	14-May-2021 18:14:57	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC level 1			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-015.D
Lims ID: IC level 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 14-May-2021 18:30:45 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2021 13:50:39 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1602

First Level Reviewer: schickr Date: 15-May-2021 12:32:54

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.824	1.834	-0.010	11819202	0.5000	0.5000	
2	2.013	2.015	-0.002	11188836	0.5000	0.5000	
						RPD = 0.00	
$ 3 Tetrachloro-m-xylene							
1	2.808	2.823	-0.014	41692	0.001250	0.001267	
2	2.775	2.776	-0.001	39911	0.001250	0.001274	
						RPD = 0.57	
4 PCB-1016							M
1	3.078	3.094	-0.016	29943	0.0500	0.0544	
1	3.413	3.429	-0.016	38283	0.0500	0.0540	
1	3.793	3.810	-0.018	87522	0.0500	0.0533	
1	3.878	3.896	-0.018	51769	0.0500	0.0512	
1	4.250	4.266	-0.016	37300	0.0500	0.0537	
		Average of Peak Amounts =				0.0533	
2	3.226	3.227	-0.001	25872	0.0500	0.0533	
2	3.580	3.581	-0.001	55365	0.0500	0.0524	
2	3.931	3.933	-0.001	72360	0.0500	0.0496	M
2	4.053	4.056	-0.003	47507	0.0500	0.0533	
2	4.453	4.455	-0.003	40309	0.0500	0.0506	M
		Average of Peak Amounts =				0.0518	
						RPD = 2.84	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
8 PCB-1260							
1	5.301	5.316	-0.015	72063	0.0500	0.0511	
1	5.484	5.500	-0.016	82309	0.0500	0.0503	
1	5.739	5.754	-0.015	94101	0.0500	0.0479	
1	5.886	5.903	-0.016	64923	0.0500	0.0521	
1	6.385	6.402	-0.017	147077	0.0500	0.0498	
		Average of Peak Amounts =				0.0503	
2	5.462	5.463	-0.001	64582	0.0500	0.0494	
2	5.562	5.565	-0.003	69987	0.0500	0.0508	
2	5.945	5.950	-0.005	66363	0.0500	0.0504	
2	6.357	6.363	-0.005	63898	0.0500	0.0509	
2	6.538	6.545	-0.007	151681	0.0500	0.0499	
		Average of Peak Amounts =				0.0503	
						RPD = 0.06	
10 1260 Res 1							
1	6.734	6.755	-0.021	74695	NC	NC	
2	6.357	6.363	-0.006	63898	NC	NC	
11 1260 Res 2							
1	6.824	6.842	-0.018	38362	NC	NC	
2	6.447	6.453	-0.006	47417	NC	NC	
12 1260 Res 3							
1	6.892	6.913	-0.022	45040	NC	NC	
2	6.538	6.545	-0.008	151681	NC	NC	
$ 13 DCB Decachlorobiphenyl							
1	8.703	8.727	-0.025	35405	0.001250	0.001310	
2	9.151	9.163	-0.011	32889	0.001250	0.001280	
						RPD = 2.31	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

1660sur/is.05_00022 Amount Added: 1.00 Units: mL

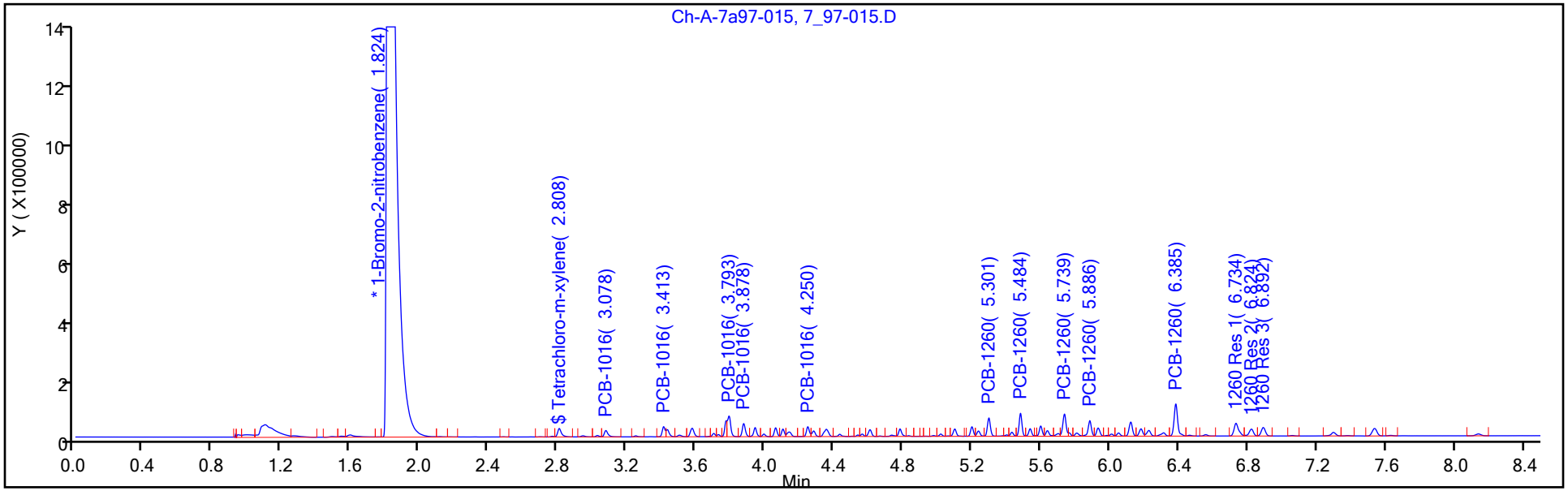
Report Date: 15-May-2021 13:50:39 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

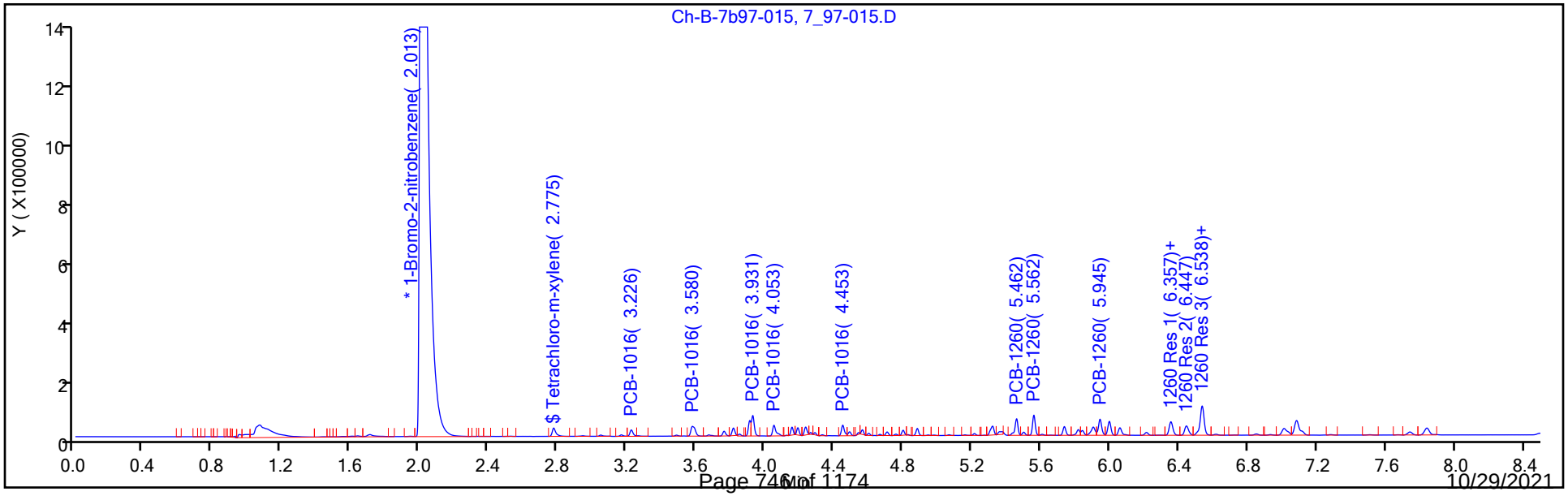
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-015.D

Injection Date:	14-May-2021 18:30:45	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC level 2			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 15-May-2021 13:50:39 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-015.D

Injection Date: 14-May-2021 18:30:45 Instrument ID: HP6890-7

Lims ID: IC level 2

Client ID:

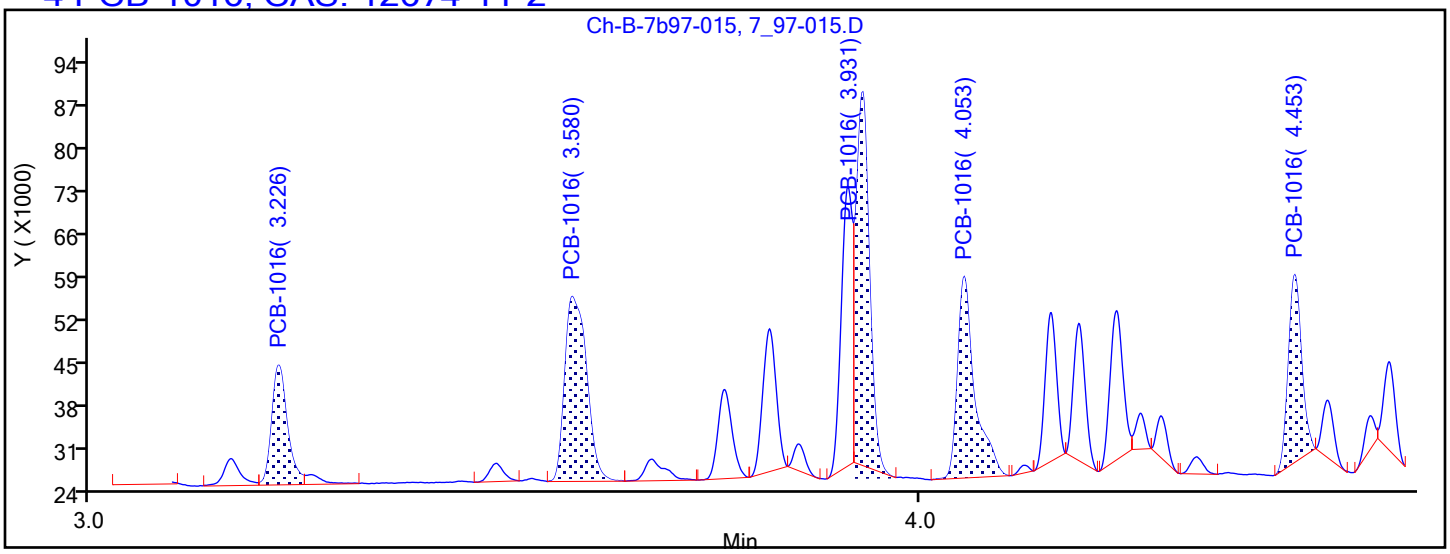
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 3

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

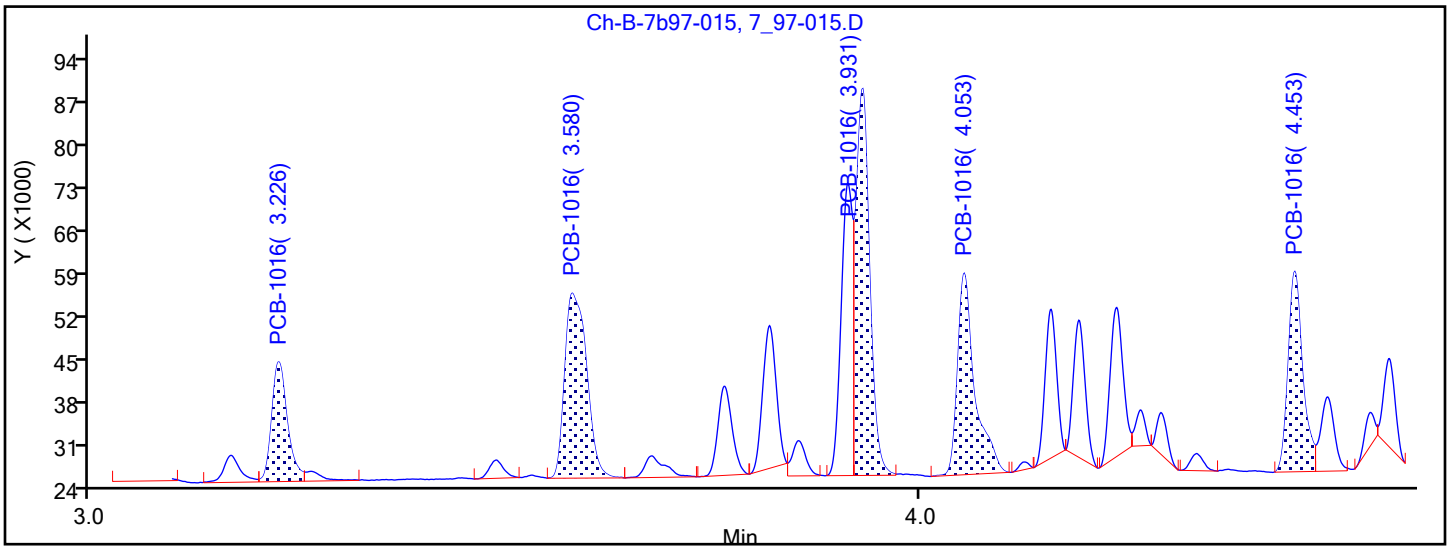
Column: ZB-35 (0.53 mm) Detector Ch-B-7b136

4 PCB-1016, CAS: 12674-11-2



Processing Integration Results

3.226	Response = 25872
3.580	Response = 55365
3.931	Response = 68051
4.053	Response = 47507
4.453	Response = 34021



Manual Integration Results

3.226	Response = 25872	
3.580	Response = 55365	
3.931	Response = 72360	M
4.053	Response = 47507	
4.453	Response = 40309	M

Reviewer: schickr, 15-May-2021 12:53:10

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-016.D
Lims ID: IC level 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 14-May-2021 18:46:46 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2021 13:50:41 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1602

First Level Reviewer: schickr Date: 15-May-2021 12:33:03

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.824	1.834	-0.010	11908297	0.5000	0.5000	
2	2.015	2.015	0.000	11292579	0.5000	0.5000	
						RPD = 0.00	
$ 3 Tetrachloro-m-xylene							
1	2.807	2.823	-0.015	81434	0.002500	0.002567	
2	2.777	2.776	0.001	78748	0.002500	0.002582	
						RPD = 0.59	
4 PCB-1016							
1	3.078	3.094	-0.016	56602	0.1000	0.1088	
1	3.413	3.429	-0.017	70384	0.1000	0.1039	
1	3.793	3.810	-0.018	165014	0.1000	0.1016	
1	3.878	3.896	-0.018	99060	0.1000	0.1062	
1	4.248	4.266	-0.018	71927	0.1000	0.1055	
		Average of Peak Amounts =				0.1052	
2	3.226	3.227	-0.001	49068	0.1000	0.1070	
2	3.582	3.581	0.001	106056	0.1000	0.1045	
2	3.931	3.933	-0.001	145021	0.1000	0.1011	
2	4.053	4.056	-0.003	93207	0.1000	0.1036	
2	4.453	4.455	-0.003	78705	0.1000	0.1034	
		Average of Peak Amounts =				0.1039	
						RPD = 1.21	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
8 PCB-1260							
1	5.299	5.316	-0.017	134776	0.1000	0.1002	
1	5.483	5.500	-0.017	154351	0.1000	0.1010	
1	5.737	5.754	-0.017	177956	0.1000	0.0944	
1	5.884	5.903	-0.018	122239	0.1000	0.1025	
1	6.382	6.402	-0.020	286082	0.1000	0.1002	
		Average of Peak Amounts =				0.0996	
2	5.460	5.463	-0.003	128909	0.1000	0.1013	
2	5.562	5.565	-0.003	138171	0.1000	0.0993	
2	5.946	5.950	-0.004	131281	0.1000	0.1003	
2	6.356	6.363	-0.006	125739	0.1000	0.1010	
2	6.538	6.545	-0.007	304102	0.1000	0.1002	
		Average of Peak Amounts =				0.1004	
						RPD = 0.78	
10 1260 Res 1							
1	6.733	6.755	-0.023	143913	NC	NC	
2	6.356	6.363	-0.007	125739	NC	NC	
11 1260 Res 2							
1	6.821	6.842	-0.021	73186	NC	NC	
2	6.447	6.453	-0.006	93398	NC	NC	
12 1260 Res 3							
1	6.890	6.913	-0.023	85216	NC	NC	
2	6.538	6.545	-0.007	304102	NC	NC	
$ 13 DCB Decachlorobiphenyl							
1	8.700	8.727	-0.027	67604	0.002500	0.002655	
2	9.151	9.163	-0.011	65625	0.002500	0.002608	
						RPD = 1.79	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

1660sur/is0.1_00023 Amount Added: 1.00 Units: mL

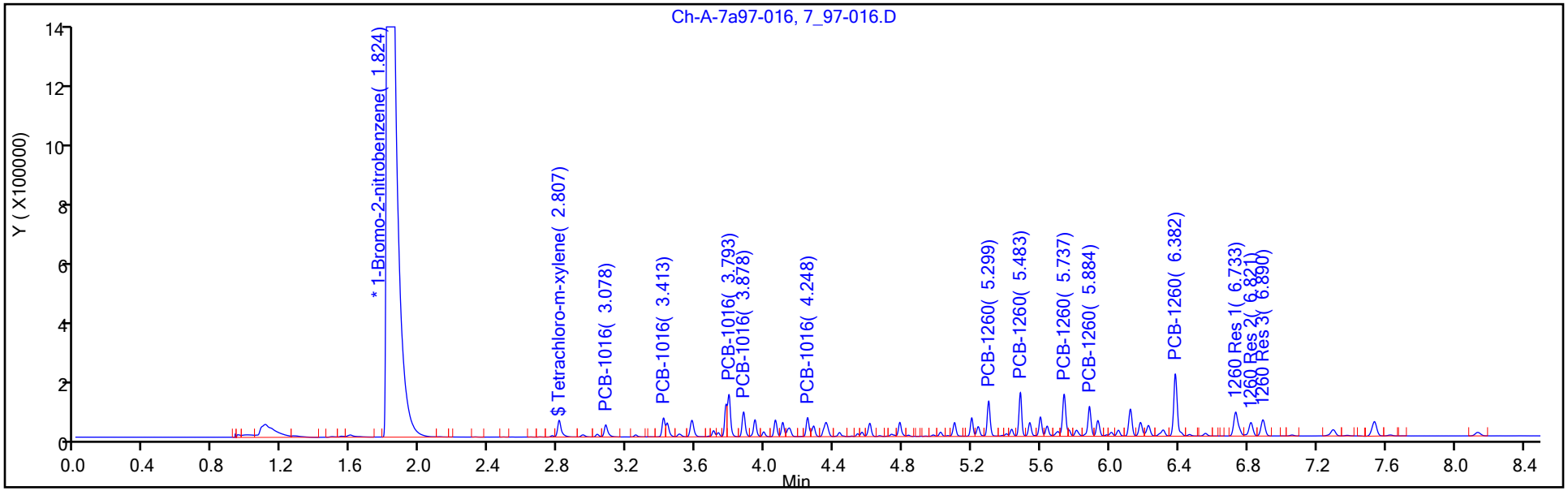
Report Date: 15-May-2021 13:50:41 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

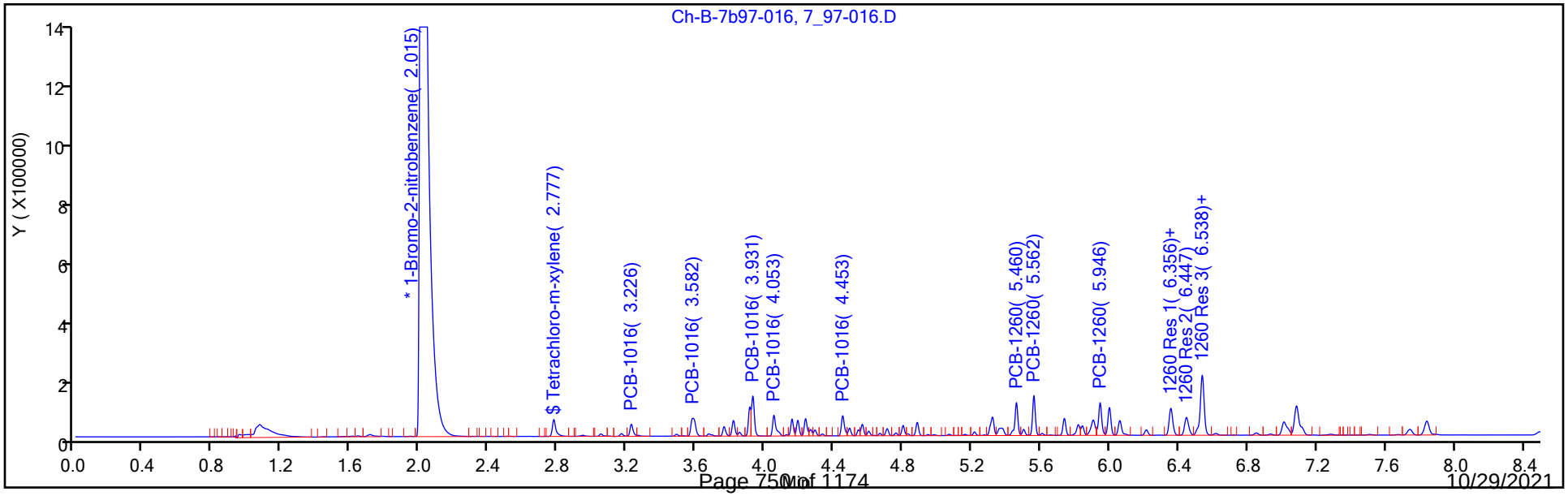
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-016.D

Injection Date:	14-May-2021 18:46:46	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC level 3			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-017.D
Lims ID: IC level 4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 14-May-2021 19:02:35 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2021 13:50:42 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1602

First Level Reviewer: schickr Date: 15-May-2021 12:54:41

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.825	1.834	-0.009	11808029	0.5000	0.5000	
2	2.016	2.015	0.001	11263482	0.5000	0.5000	
						RPD = 0.00	
$ 3 Tetrachloro-m-xylene							
1	2.809	2.823	-0.013	154965	0.005000	0.005036	
2	2.778	2.776	0.002	147202	0.005000	0.004924	
						RPD = 2.25	
4 PCB-1016							M
1	3.078	3.094	-0.016	104044	0.2000	0.2082	
1	3.414	3.429	-0.015	131580	0.2000	0.2017	
1	3.793	3.810	-0.018	321971	0.2000	0.2020	
1	3.878	3.896	-0.018	185126	0.2000	0.2091	
1	4.249	4.266	-0.017	134655	0.2000	0.2017	
		Average of Peak Amounts =				0.2045	
2	3.227	3.227	0.000	91121	0.2000	0.2061	
2	3.583	3.581	0.001	203997	0.2000	0.2067	
2	3.932	3.933	0.000	291065	0.2000	0.2062	M
2	4.053	4.056	-0.003	174274	0.2000	0.1943	
2	4.453	4.455	-0.002	149368	0.2000	0.2022	M
		Average of Peak Amounts =				0.2031	
						RPD = 0.72	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
8 PCB-1260							
1	5.300	5.316	-0.016	265200	0.2000	0.2050	
1	5.483	5.500	-0.018	303058	0.2000	0.2083	
1	5.738	5.754	-0.016	352846	0.2000	0.1936	
1	5.885	5.903	-0.017	234339	0.2000	0.2037	
1	6.383	6.402	-0.019	569219	0.2000	0.2052	
		Average of Peak Amounts =				0.2032	
2	5.461	5.463	-0.002	243580	0.2000	0.1952	
2	5.563	5.565	-0.003	267417	0.2000	0.1927	
2	5.946	5.950	-0.004	251889	0.2000	0.1943	
2	6.357	6.363	-0.005	239773	0.2000	0.1948	
2	6.538	6.545	-0.007	592818	0.2000	0.1968	
		Average of Peak Amounts =				0.1948	
						RPD = 4.24	
10 1260 Res 1							
1	6.733	6.755	-0.023	278424	NC	NC	
2	6.357	6.363	-0.006	239773	NC	NC	
11 1260 Res 2							
1	6.822	6.842	-0.020	139117	NC	NC	
2	6.446	6.453	-0.007	177259	NC	NC	
12 1260 Res 3							
1	6.891	6.913	-0.023	162762	NC	NC	
2	6.538	6.545	-0.007	592818	NC	NC	
$ 13 DCB Decachlorobiphenyl							
1	8.700	8.727	-0.027	123582	0.005000	0.005056	
2	9.151	9.163	-0.011	125249	0.005000	0.005062	
						RPD = 0.11	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

1660sur/is0.2_00021 Amount Added: 1.00 Units: mL

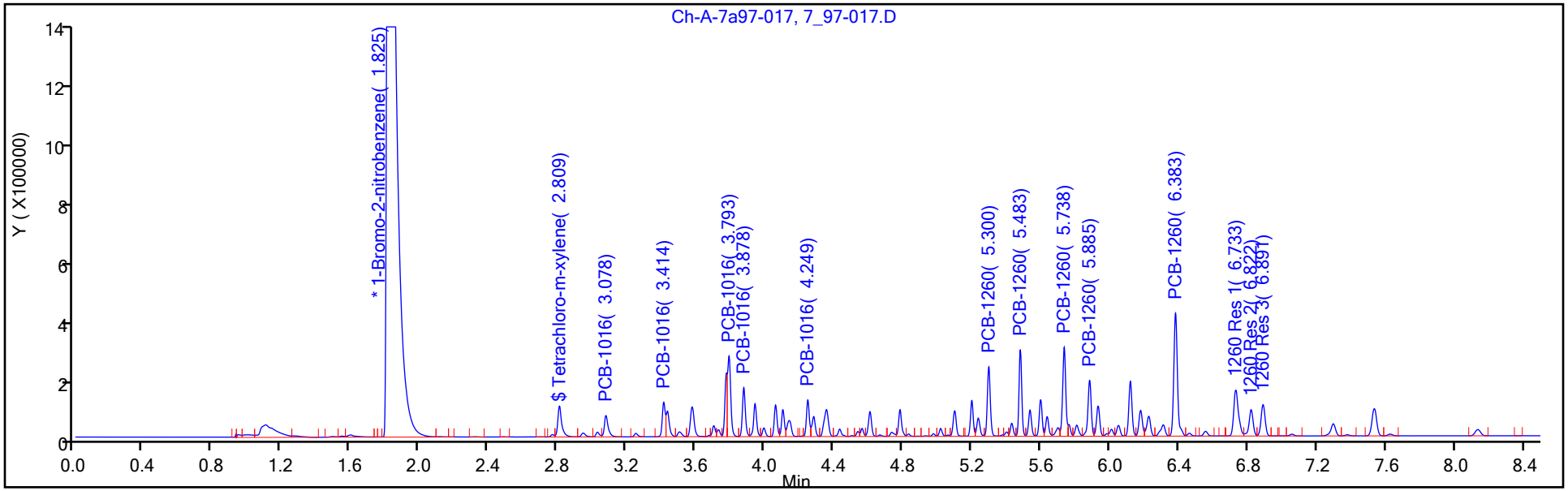
Report Date: 15-May-2021 13:50:43 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

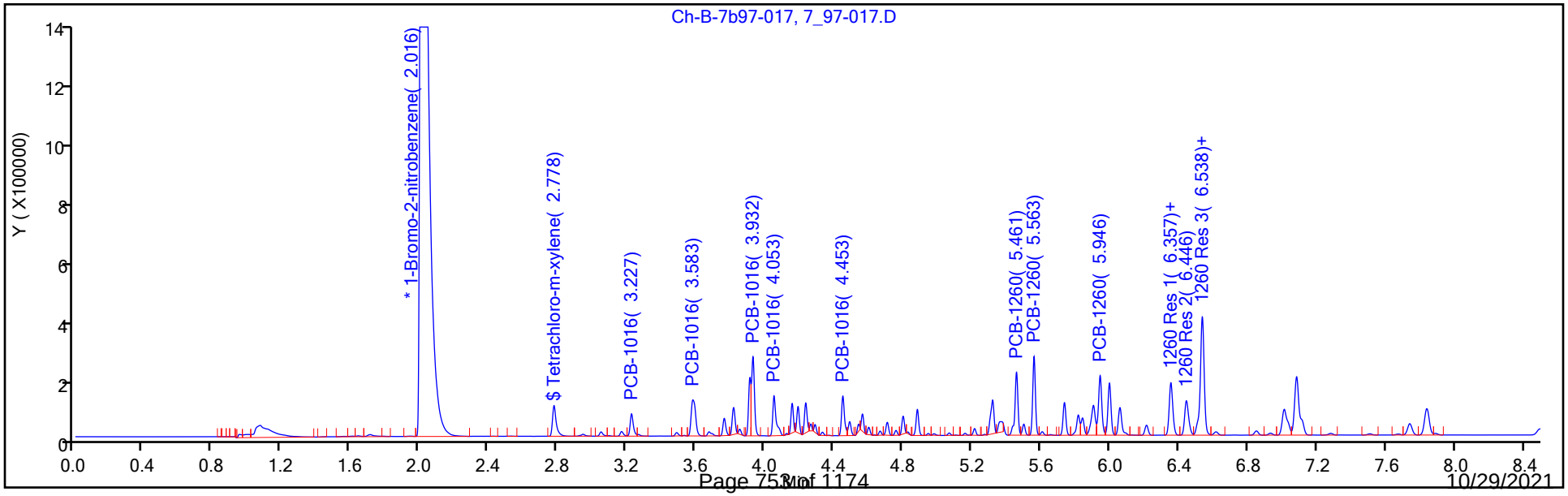
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-017.D

Injection Date:	14-May-2021 19:02:35	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC level 4			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 15-May-2021 13:50:43 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-017.D

Injection Date: 14-May-2021 19:02:35 Instrument ID: HP6890-7

Lims ID: IC level 4

Client ID:

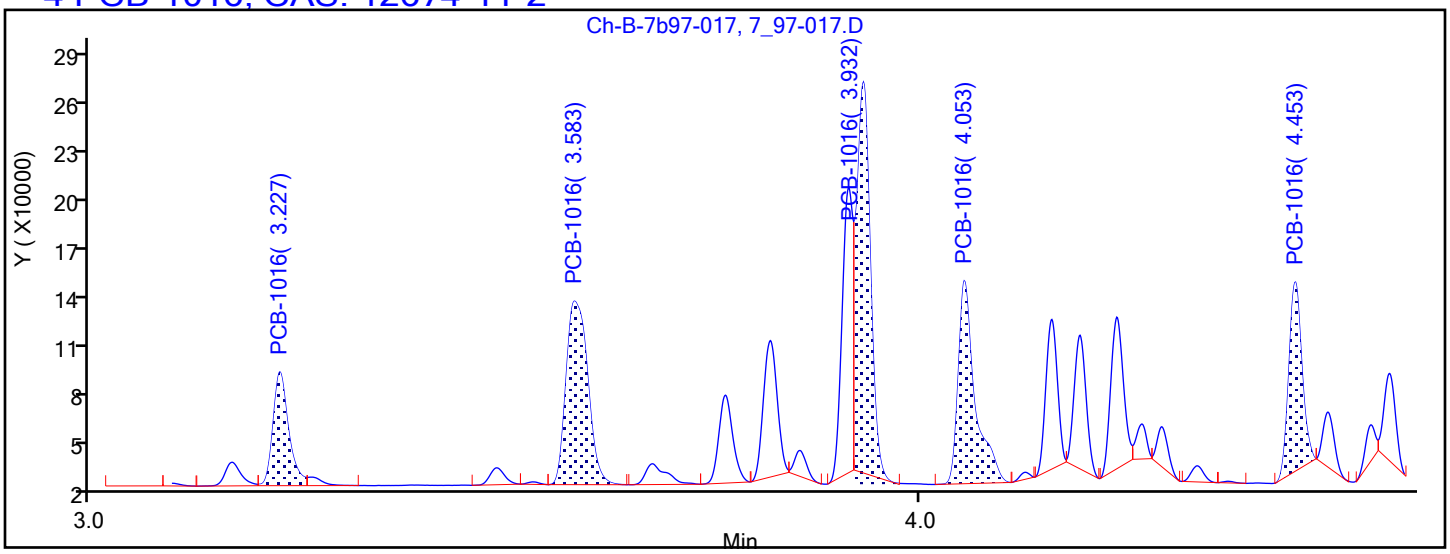
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 5

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

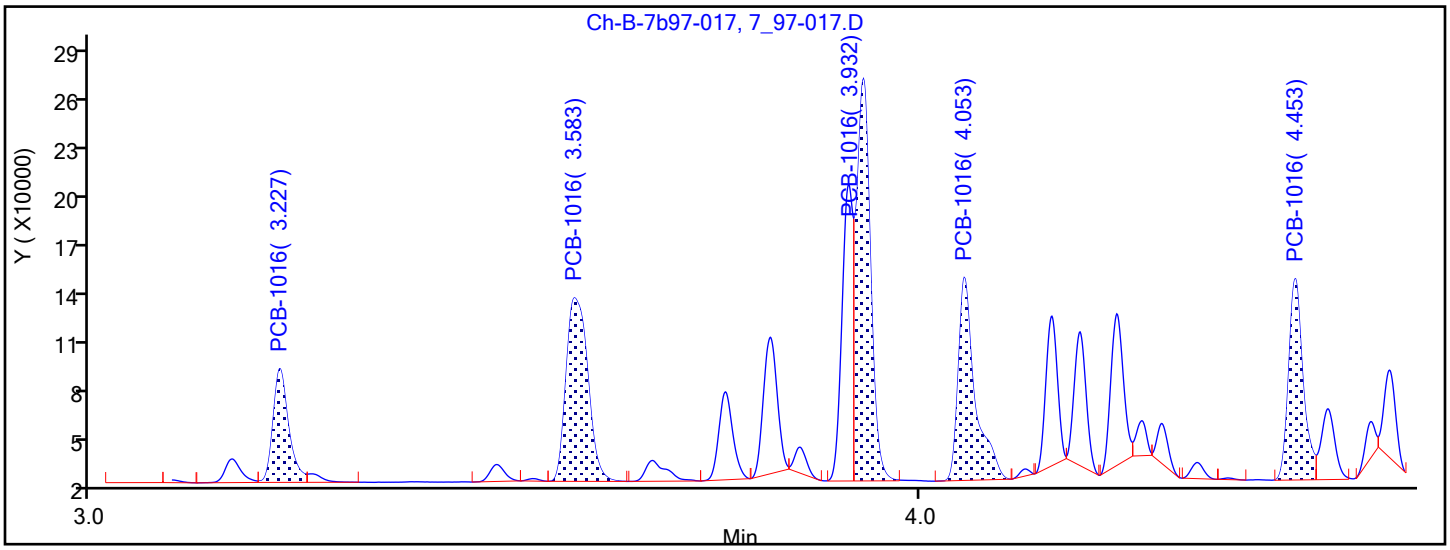
Column: ZB-35 (0.53 mm) Detector Ch-B-7b136

4 PCB-1016, CAS: 12674-11-2



Processing Integration Results

3.227	Response = 91121
3.583	Response = 203997
3.932	Response = 276964
4.053	Response = 174274
4.453	Response = 126907



Manual Integration Results

3.227	Response = 91121	
3.583	Response = 203997	
3.932	Response = 291065	M
4.053	Response = 174274	
4.453	Response = 149368	M

Reviewer: schickr, 15-May-2021 12:54:24

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-018.D
Lims ID: ICIS
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 14-May-2021 19:18:22 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2021 13:50:44 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1602

First Level Reviewer: schickr Date: 15-May-2021 12:33:30

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.825	1.825	0.000	11817886	0.5000	0.5000	
2	2.016	2.016	0.000	11254941	0.5000	0.5000	
						RPD = 0.00	
$ 3 Tetrachloro-m-xylene							
1	2.808	2.808	0.000	382089	0.0125	0.0126	
2	2.778	2.778	0.000	365955	0.0125	0.0124	
						RPD = 1.50	
4 PCB-1016							
1	3.078	3.078	0.000	243714	0.5000	0.4976	
1	3.413	3.413	0.000	321756	0.5000	0.5023	
1	3.793	3.793	0.000	803320	0.5000	0.5068	
1	3.878	3.878	0.000	445954	0.5000	0.5173	
1	4.249	4.249	0.000	327879	0.5000	0.4948	
		Average of Peak Amounts =				0.5038	
2	3.228	3.228	0.000	215652	0.5000	0.4990	
2	3.583	3.583	0.000	485596	0.5000	0.5000	
2	3.932	3.932	0.000	704782	0.5000	0.5035	
2	4.053	4.053	0.000	431739	0.5000	0.4816	
2	4.453	4.453	0.000	368975	0.5000	0.5086	
		Average of Peak Amounts =				0.4985	
						RPD = 1.04	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
8 PCB-1260							
1	5.299	5.299	0.000	635764	0.5000	0.4997	
1	5.483	5.483	0.000	753729	0.5000	0.5304	
1	5.738	5.738	0.000	965028	0.5000	0.5378	
1	5.884	5.884	0.000	575455	0.5000	0.5086	
1	6.384	6.384	0.000	1435550	0.5000	0.5236	
		Average of Peak Amounts =				0.5200	
2	5.462	5.462	0.000	615301	0.5000	0.4992	
2	5.563	5.563	0.000	673487	0.5000	0.4857	
2	5.946	5.946	0.000	644680	0.5000	0.5001	
2	6.358	6.358	0.000	607997	0.5000	0.4971	
2	6.538	6.538	0.000	1517774	0.5000	0.5058	
		Average of Peak Amounts =				0.4976	
						RPD = 4.41	
10 1260 Res 1							
1	6.732	6.732	0.000	691833	NC	NC	
2	6.358	6.358	0.000	607997	NC	NC	
11 1260 Res 2							
1	6.822	6.822	0.000	336761	NC	NC	
2	6.448	6.448	0.000	442878	NC	NC	
12 1260 Res 3							
1	6.889	6.889	0.000	394404	NC	NC	
2	6.538	6.538	0.000	1517774	NC	NC	
$ 13 DCB Decachlorobiphenyl							
1	8.699	8.699	0.000	296520	0.0125	0.0124	
2	9.151	9.151	0.000	305524	0.0125	0.0125	
						RPD = 0.64	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

1660sur/is0.5_00137 Amount Added: 1.00 Units: mL

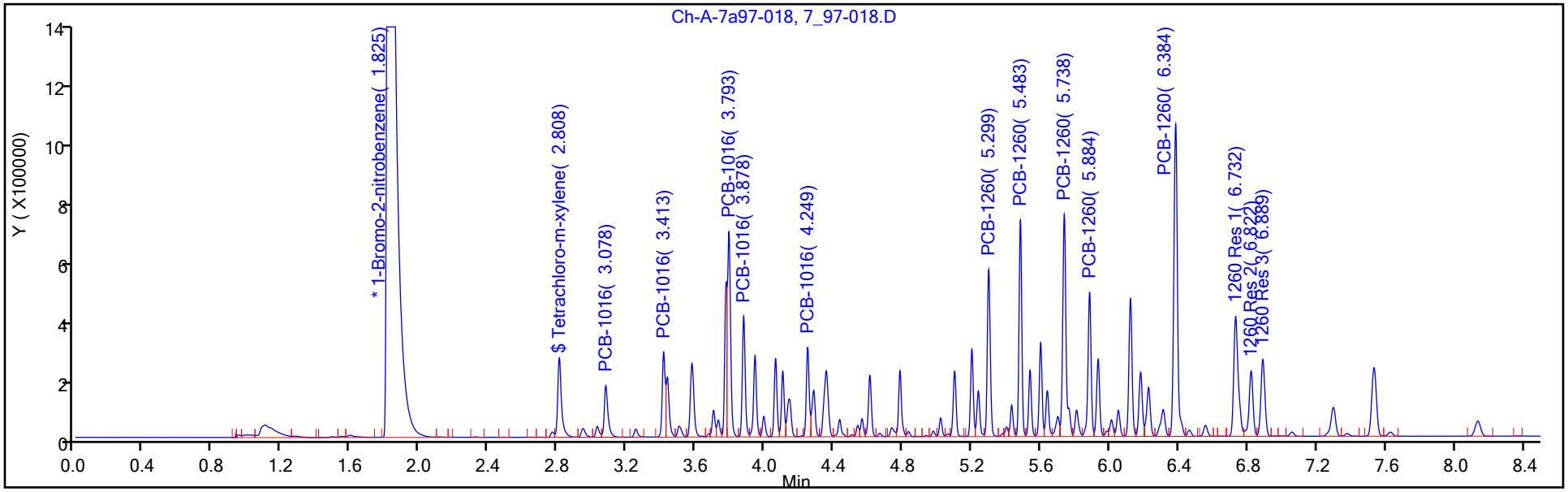
Report Date: 15-May-2021 13:50:45 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

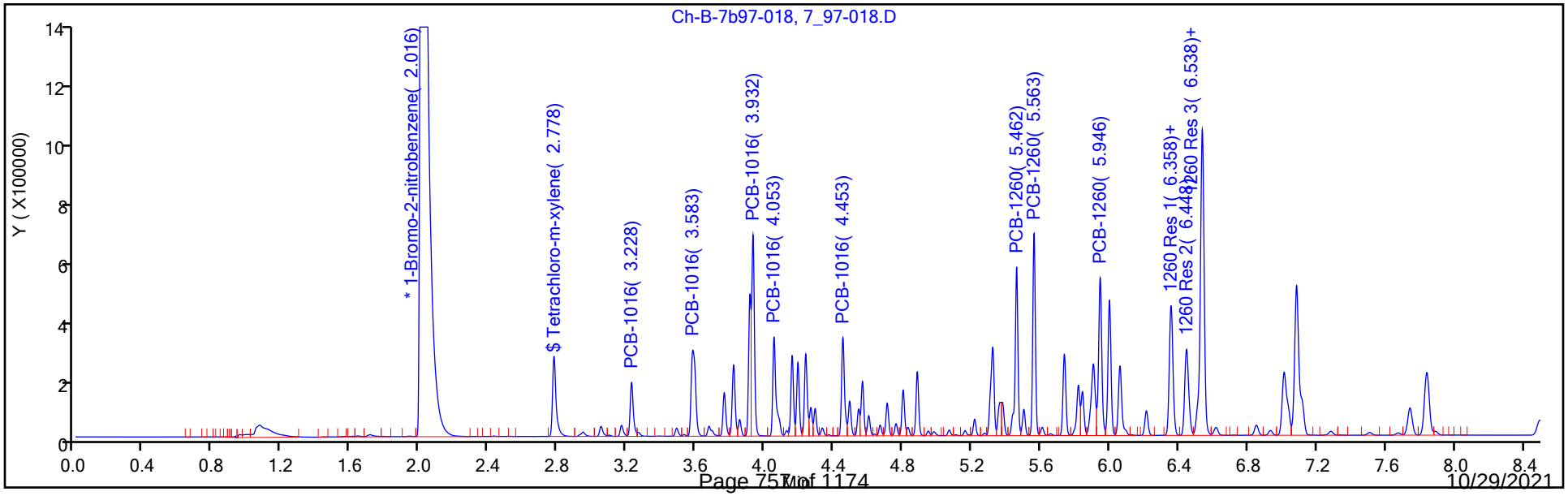
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-018.D

Injection Date:	14-May-2021 19:18:22	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	ICIS			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-019.D
Lims ID: IC level 6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 14-May-2021 19:34:08 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2021 13:50:46 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1602

First Level Reviewer: schickr Date: 15-May-2021 12:55:00

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.826	1.825	0.001	11689437	0.5000	0.5000	
2	2.017	2.016	0.001	11148683	0.5000	0.5000	
						RPD = 0.00	
$ 3 Tetrachloro-m-xylene							
1	2.808	2.808	0.000	743601	0.0250	0.0249	
2	2.778	2.778	0.000	718758	0.0250	0.0247	
						RPD = 0.81	
4 PCB-1016							
1	3.078	3.078	0.000	450420	1.00	0.9363	
1	3.413	3.413	0.000	571023	1.00	0.9064	
1	3.793	3.793	0.000	1485322	1.00	0.9493	
1	3.878	3.878	0.000	850639	1.00	1.01	
1	4.248	4.249	-0.001	630297	1.00	0.9644	
		Average of Peak Amounts =				0.9526	
2	3.228	3.228	0.000	400977	1.00	0.9435	
2	3.582	3.583	0.000	934477	1.00	0.9765	
2	3.933	3.932	0.000	1354920	1.00	0.9798	
2	4.055	4.053	0.002	830892	1.00	0.9357	
2	4.453	4.453	0.000	713615	1.00	1.00	
		Average of Peak Amounts =				0.9668	
						RPD = 1.48	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
8 PCB-1260							
1	5.300	5.299	0.001	1257871	1.00	1.01	
1	5.483	5.483	0.000	1443828	1.00	1.04	
1	5.738	5.738	0.000	1860727	1.00	1.05	
1	5.884	5.884	0.000	1109110	1.00	1.00	
1	6.383	6.384	-0.001	2785318	1.00	1.03	
		Average of Peak Amounts =				1.02	
2	5.461	5.462	-0.001	1207052	1.00	0.99	
2	5.563	5.563	0.000	1328660	1.00	0.9674	
2	5.947	5.946	0.001	1251176	1.00	0.9813	
2	6.357	6.358	-0.001	1196054	1.00	0.9890	
2	6.539	6.538	0.001	2979917	1.00	1.00	
		Average of Peak Amounts =				0.9867	
						RPD = 3.75	
10 1260 Res 1							
1	6.733	6.732	0.002	1356353	NC	NC	
2	6.357	6.358	-0.001	1196054	NC	NC	
11 1260 Res 2							
1	6.820	6.822	-0.002	648979	NC	NC	
2	6.447	6.448	-0.001	868421	NC	NC	
12 1260 Res 3							
1	6.889	6.889	0.000	771450	NC	NC	
2	6.539	6.538	0.001	2979917	NC	NC	
$ 13 DCB Decachlorobiphenyl							
1	8.698	8.699	-0.001	575561	0.0250	0.0245	
2	9.151	9.151	0.000	591424	0.0250	0.0244	
						RPD = 0.23	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

1660sur/is1.0_00023 Amount Added: 1.00 Units: mL

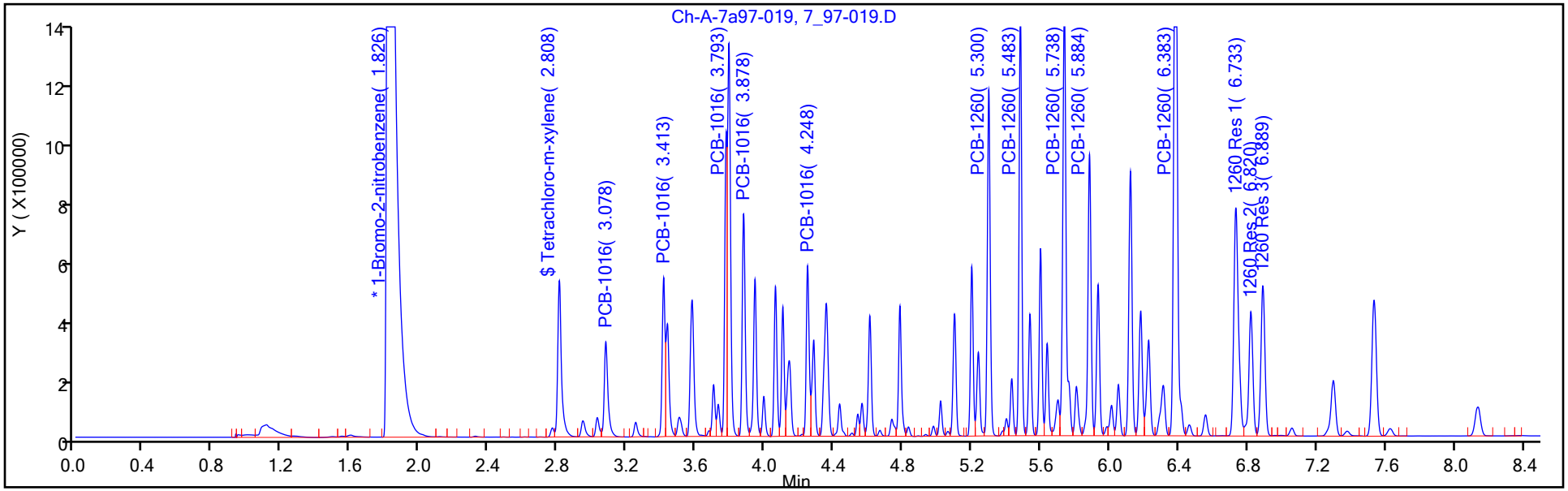
Report Date: 15-May-2021 13:50:47 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

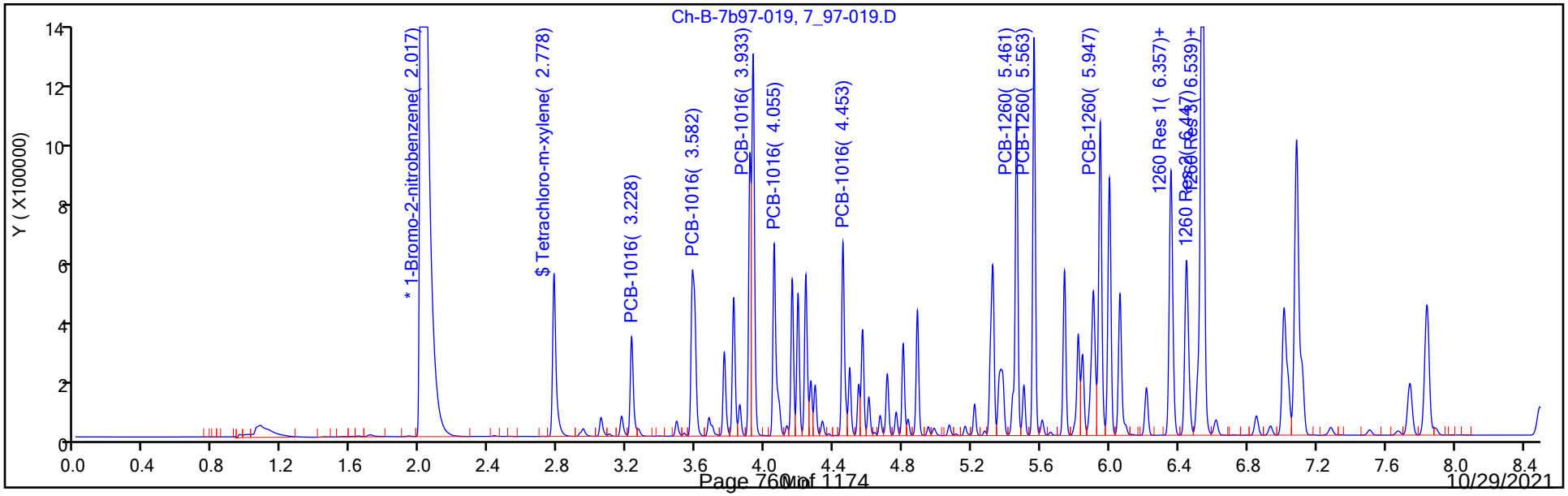
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-019.D

Injection Date:	14-May-2021 19:34:08	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC level 6			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-020.D
Lims ID: IC level 7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 14-May-2021 19:50:09 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2021 13:50:48 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1602

First Level Reviewer: schickr Date: 15-May-2021 13:50:23

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.825	1.825	0.000	11630798	0.5000	0.5000	
2	2.015	2.016	-0.001	11040479	0.5000	0.5000	
						RPD = 0.00	
$ 3 Tetrachloro-m-xylene							
1	2.809	2.808	0.001	1483067	0.0500	0.0500	
2	2.777	2.778	-0.001	1435977	0.0500	0.0499	
						RPD = 0.21	
4 PCB-1016							
1	3.078	3.078	0.000	863202	2.00	1.81	
1	3.413	3.413	0.000	1090435	2.00	1.75	
1	3.793	3.793	0.000	3032727	2.00	1.95	
1	3.878	3.878	0.000	1641860	2.00	1.96	
1	4.249	4.249	0.000	1231678	2.00	1.90	
		Average of Peak Amounts =				1.87	
2	3.227	3.228	-0.001	782775	2.00	1.87	
2	3.583	3.583	0.000	1753008	2.00	1.85	
2	3.932	3.932	0.000	2682751	2.00	1.96	
2	4.054	4.053	0.001	1618555	2.00	1.84	
2	4.453	4.453	-0.001	1402686	2.00	1.99	
		Average of Peak Amounts =				1.90	
						RPD = 1.56	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
8 PCB-1260							
1	5.299	5.299	0.000	2373493	2.00	1.91	
1	5.483	5.483	-0.001	2664212	2.00	1.93	
1	5.738	5.738	0.000	3415925	2.00	1.95	
1	5.885	5.884	0.001	2041155	2.00	1.85	
1	6.383	6.384	-0.002	5207116	2.00	1.94	
		Average of Peak Amounts =				1.92	
2	5.461	5.462	-0.001	2419589	2.00	2.01	
2	5.563	5.563	0.000	2613051	2.00	1.92	
2	5.946	5.946	0.000	2552326	2.00	2.02	
2	6.357	6.358	-0.001	2413614	2.00	2.02	
2	6.538	6.538	0.000	5872047	2.00	2.00	
		Average of Peak Amounts =				1.99	
						RPD = 4.04	
10 1260 Res 1							
1	6.733	6.732	0.001	2612587	NC	NC	
2	6.357	6.358	-0.001	2413614	NC	NC	
11 1260 Res 2							
1	6.822	6.822	0.000	1248182	NC	NC	
2	6.448	6.448	0.000	1748111	NC	NC	
12 1260 Res 3							
1	6.890	6.889	0.001	1480051	NC	NC	
2	6.538	6.538	0.000	5872047	NC	NC	
$ 13 DCB Decachlorobiphenyl							
1	8.698	8.699	-0.001	1093459	0.0500	0.0470	
2	9.149	9.151	-0.002	1152820	0.0500	0.0482	
						RPD = 2.60	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

1660sur/is2.0_00025 Amount Added: 1.00 Units: mL

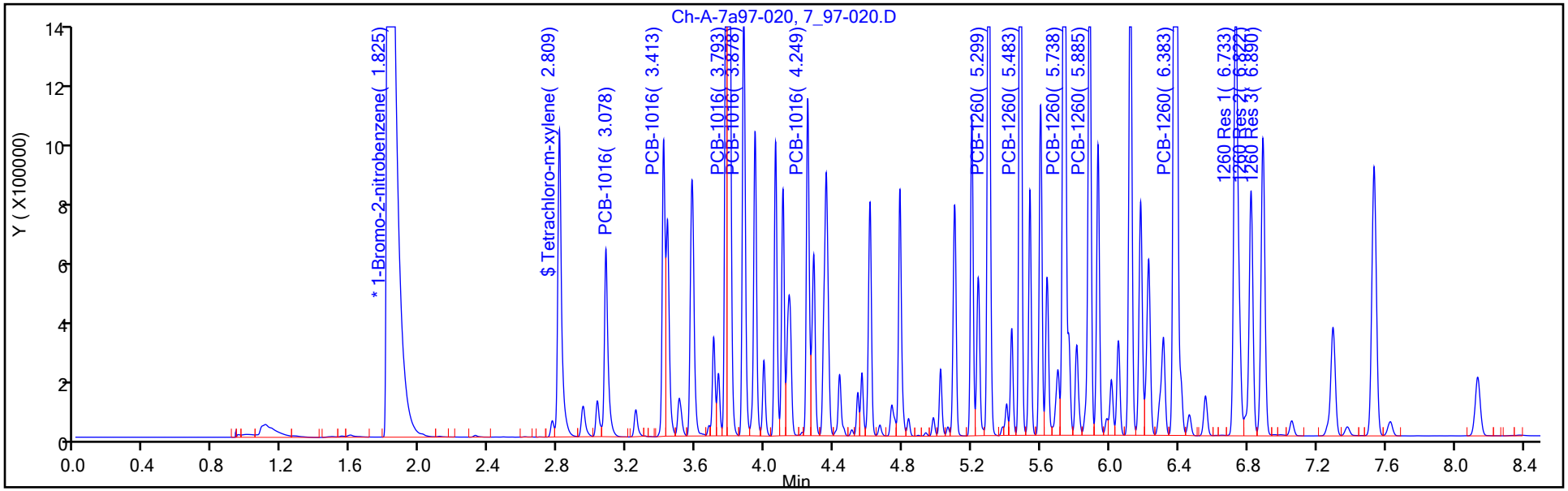
Report Date: 15-May-2021 13:50:48 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

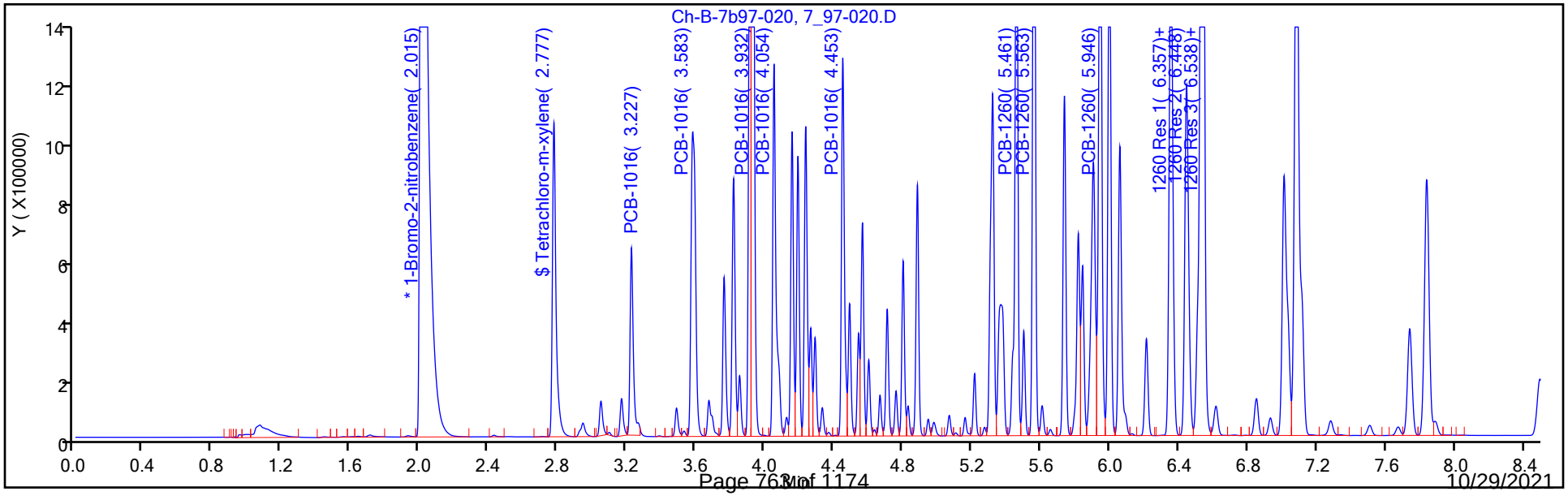
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-020.D

Injection Date:	14-May-2021 19:50:09	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC level 7			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Calibration / Tetrachloro-m-xylene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

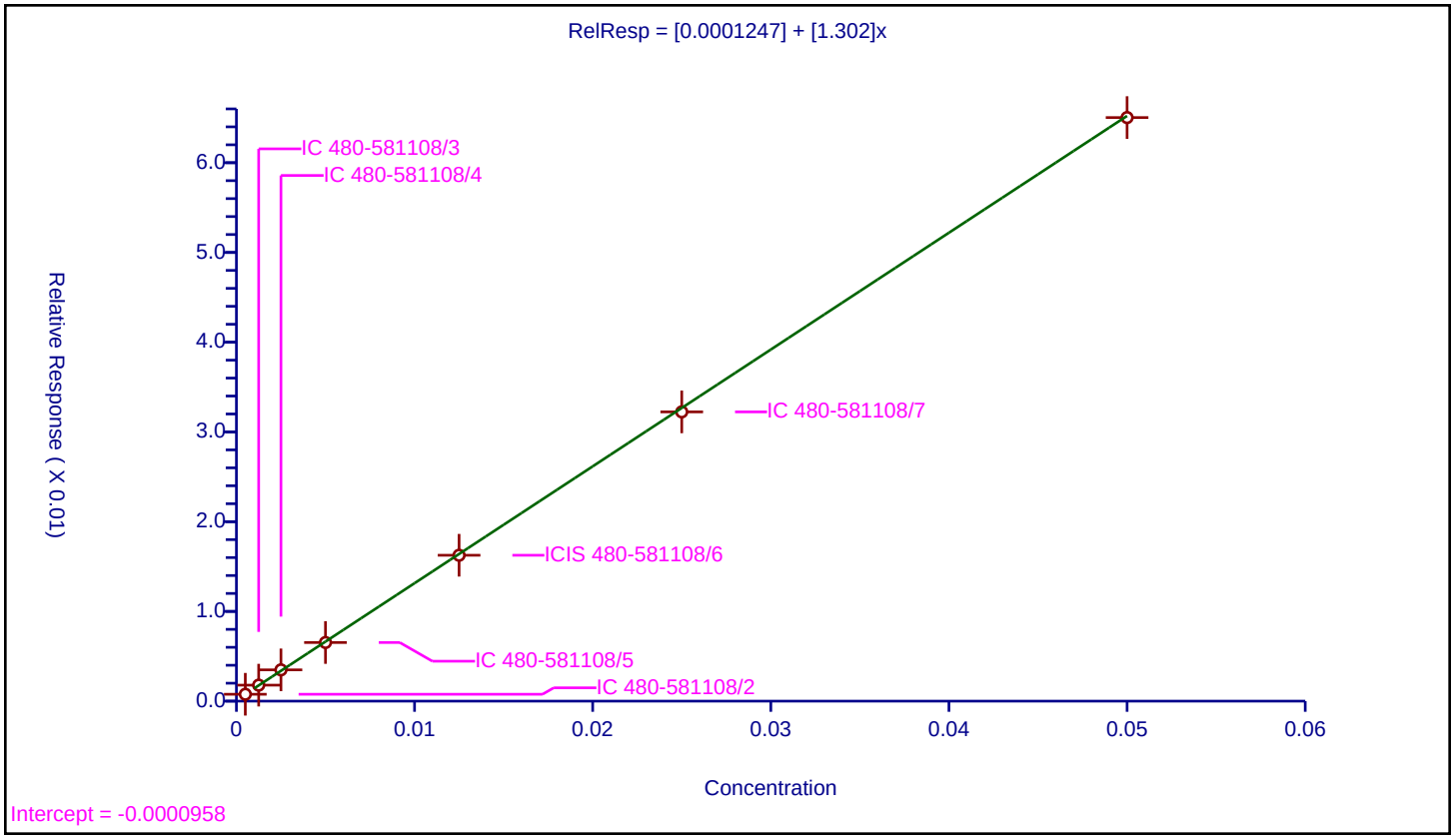
Curve Coefficients

Intercept:	0.0001247
Slope:	1.302

Error Coefficients

Standard Error:	741000
Relative Standard Error:	2.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/2	0.0005	0.000768	0.5	11269236.0	1.535419	Y
2	IC 480-581108/3	0.00125	0.001784	0.5	11188836.0	1.426815	Y
3	IC 480-581108/4	0.0025	0.003487	0.5	11292579.0	1.394686	Y
4	IC 480-581108/5	0.005	0.006534	0.5	11263482.0	1.306896	Y
5	ICIS 480-581108/6	0.0125	0.016258	0.5	11254941.0	1.300602	Y
6	IC 480-581108/7	0.025	0.032235	0.5	11148683.0	1.289404	Y
7	IC 480-581108/8	0.05	0.065032	0.5	11040479.0	1.300647	Y



Calibration / PCB-1016 Peak 1

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

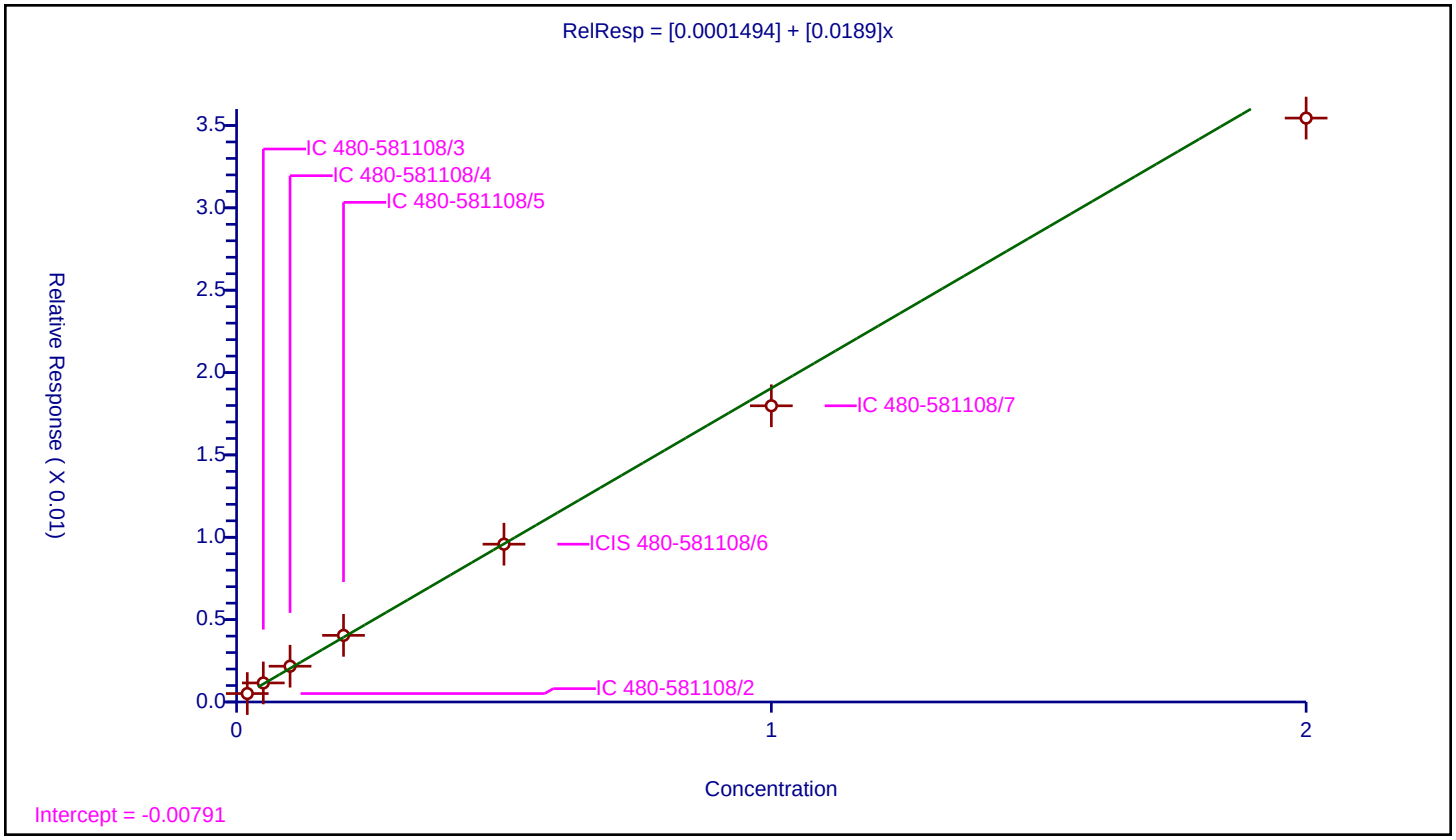
Curve Coefficients

Intercept:	0.0001494
Slope:	0.0189

Error Coefficients

Standard Error:	408000
Relative Standard Error:	6.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/2	0.02	0.000512	0.5	11269236.0	0.025592	Y
2	IC 480-581108/3	0.05	0.001156	0.5	11188836.0	0.023123	Y
3	IC 480-581108/4	0.1	0.002173	0.5	11292579.0	0.021726	Y
4	IC 480-581108/5	0.2	0.004045	0.5	11263482.0	0.020225	Y
5	ICIS 480-581108/6	0.5	0.00958	0.5	11254941.0	0.019161	Y
6	IC 480-581108/7	1.0	0.017983	0.5	11148683.0	0.017983	Y
7	IC 480-581108/8	2.0	0.03545	0.5	11040479.0	0.017725	Y



Calibration / PCB-1016 Peak 2

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

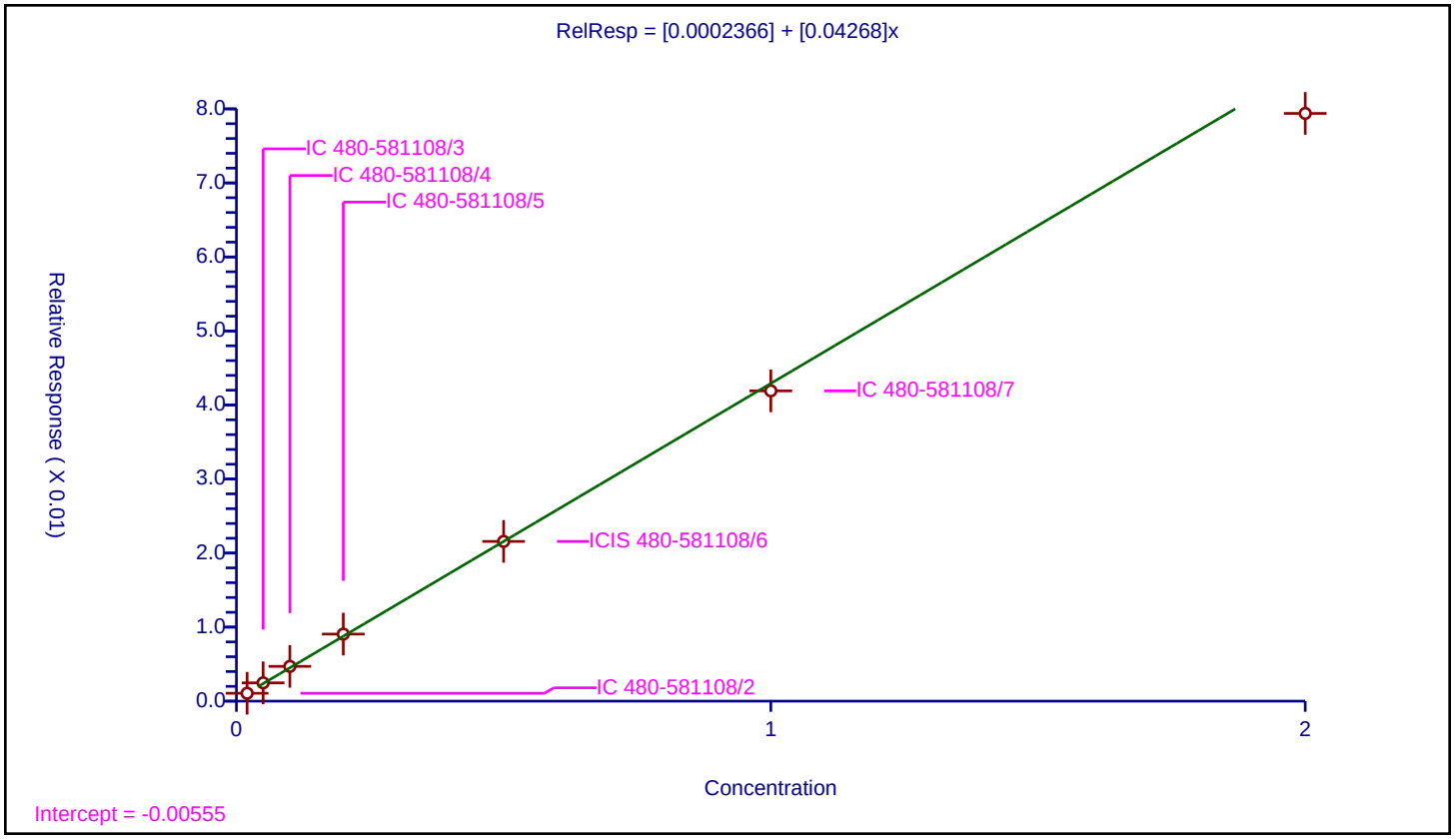
Curve Coefficients

Intercept:	0.0002366
Slope:	0.04268

Error Coefficients

Standard Error:	921000
Relative Standard Error:	4.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/2	0.02	0.001064	0.5	11269236.0	0.053205	Y
2	IC 480-581108/3	0.05	0.002474	0.5	11188836.0	0.049482	Y
3	IC 480-581108/4	0.1	0.004696	0.5	11292579.0	0.046958	Y
4	IC 480-581108/5	0.2	0.009056	0.5	11263482.0	0.045278	Y
5	ICIS 480-581108/6	0.5	0.021573	0.5	11254941.0	0.043145	Y
6	IC 480-581108/7	1.0	0.04191	0.5	11148683.0	0.04191	Y
7	IC 480-581108/8	2.0	0.07939	0.5	11040479.0	0.039695	Y



Calibration / PCB-1016 Peak 3

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

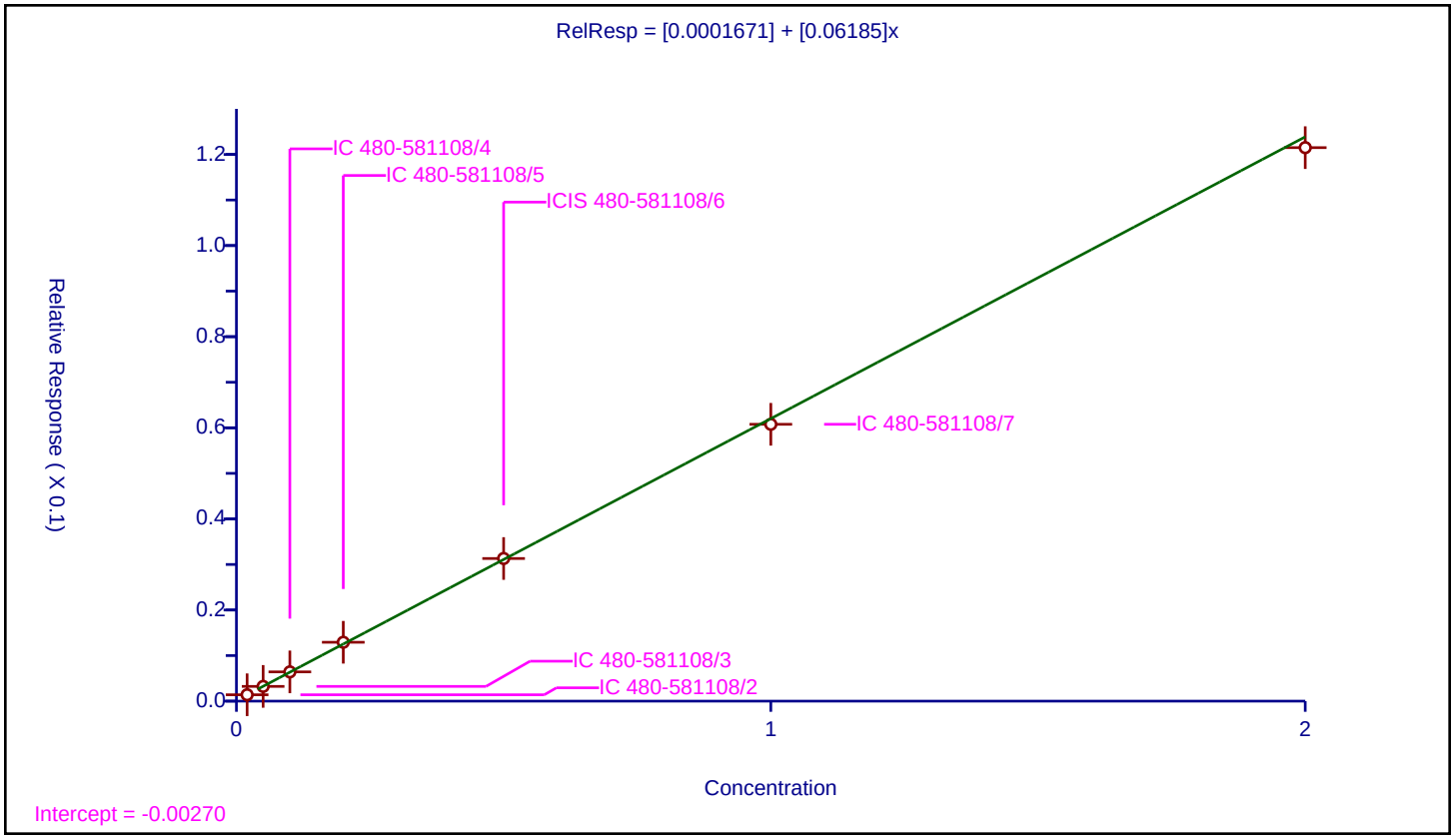
Curve Coefficients

Intercept:	0.0001671
Slope:	0.06185

Error Coefficients

Standard Error:	1390000
Relative Standard Error:	2.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/2	0.02	0.001402	0.5	11269236.0	0.070096	Y
2	IC 480-581108/3	0.05	0.003234	0.5	11188836.0	0.064672	Y
3	IC 480-581108/4	0.1	0.006421	0.5	11292579.0	0.064211	Y
4	IC 480-581108/5	0.2	0.012921	0.5	11263482.0	0.064604	Y
5	ICIS 480-581108/6	0.5	0.03131	0.5	11254941.0	0.06262	Y
6	IC 480-581108/7	1.0	0.060766	0.5	11148683.0	0.060766	Y
7	IC 480-581108/8	2.0	0.121496	0.5	11040479.0	0.060748	Y



Calibration / PCB-1016 Peak 4

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

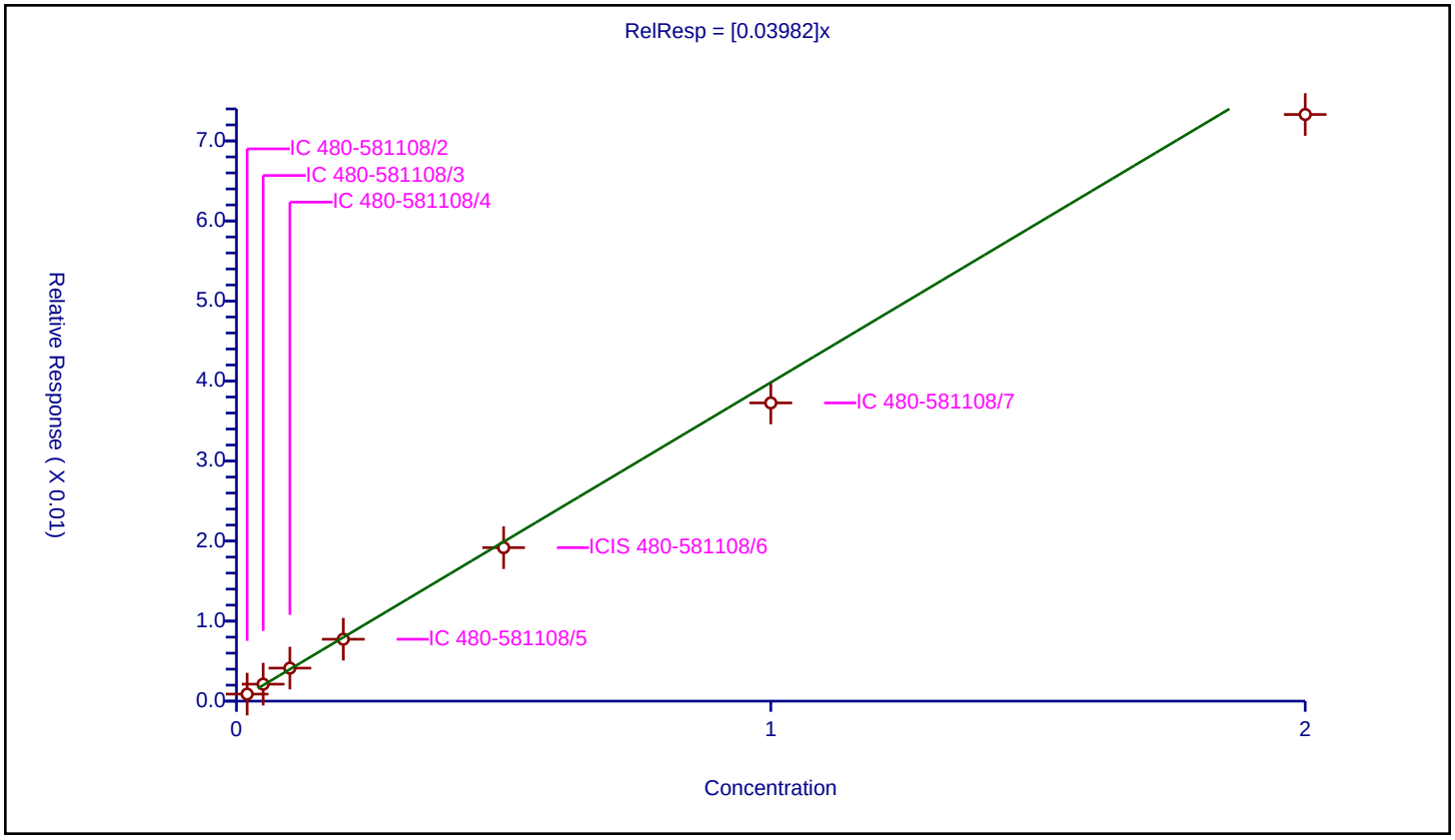
Curve Coefficients

Intercept:	0
Slope:	0.03982

Error Coefficients

Standard Error:	768000
Relative Standard Error:	7.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/2	0.02	0.000882	0.5	11269236.0	0.044085	Y
2	IC 480-581108/3	0.05	0.002123	0.5	11188836.0	0.042459	Y
3	IC 480-581108/4	0.1	0.004127	0.5	11292579.0	0.041269	Y
4	IC 480-581108/5	0.2	0.007736	0.5	11263482.0	0.038681	Y
5	ICIS 480-581108/6	0.5	0.01918	0.5	11254941.0	0.03836	Y
6	IC 480-581108/7	1.0	0.037264	0.5	11148683.0	0.037264	Y
7	IC 480-581108/8	2.0	0.073301	0.5	11040479.0	0.03665	Y



Calibration / PCB-1016 Peak 5

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

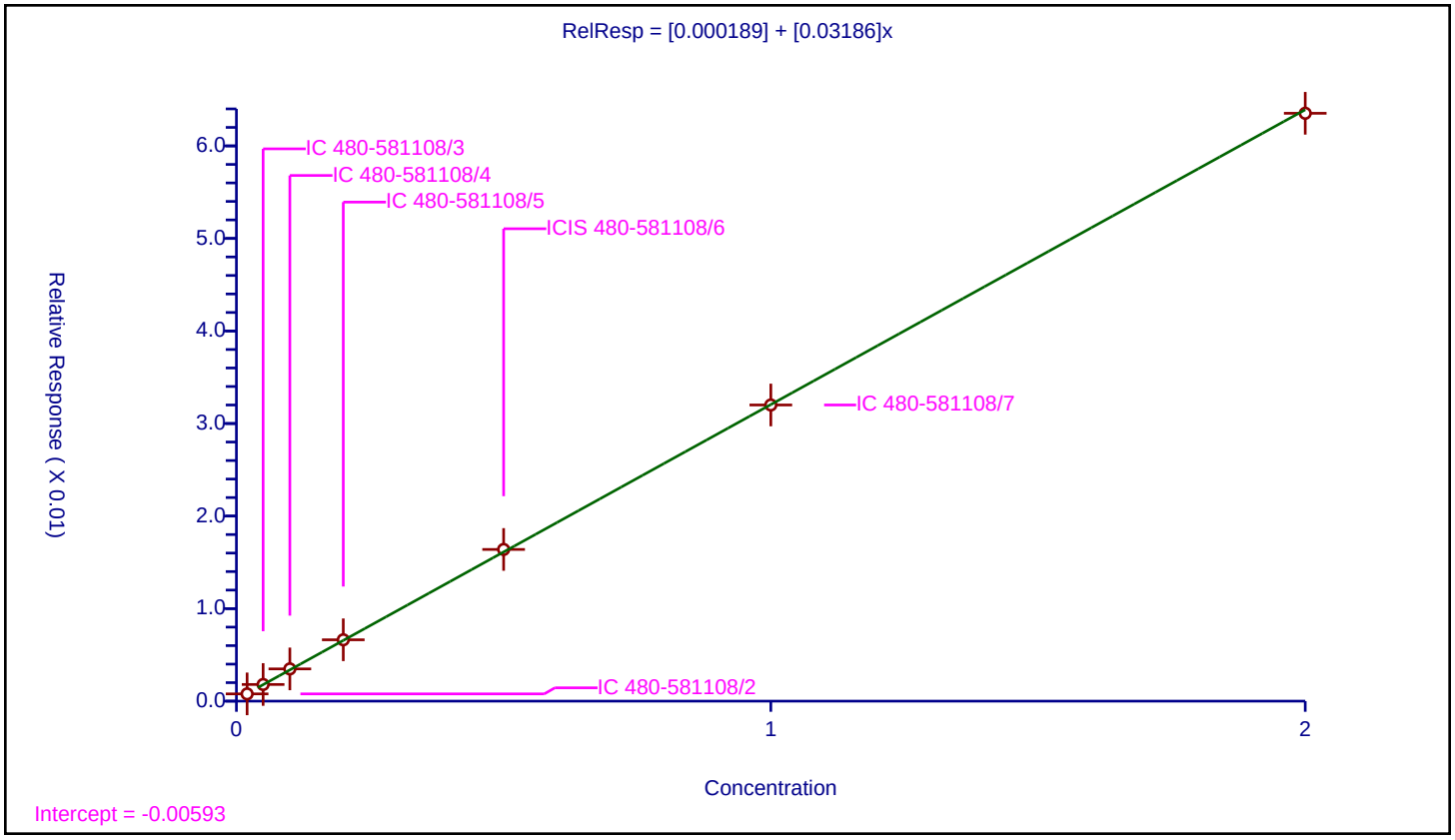
Curve Coefficients

Intercept:	0.000189
Slope:	0.03186

Error Coefficients

Standard Error:	727000
Relative Standard Error:	3.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/2	0.02	0.000783	0.5	11269236.0	0.039169	Y
2	IC 480-581108/3	0.05	0.001801	0.5	11188836.0	0.036026	Y
3	IC 480-581108/4	0.1	0.003485	0.5	11292579.0	0.034848	Y
4	IC 480-581108/5	0.2	0.006631	0.5	11263482.0	0.033153	Y
5	ICIS 480-581108/6	0.5	0.016392	0.5	11254941.0	0.032783	Y
6	IC 480-581108/7	1.0	0.032004	0.5	11148683.0	0.032004	Y
7	IC 480-581108/8	2.0	0.063525	0.5	11040479.0	0.031762	Y



Calibration / PCB-1260 Peak 1

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

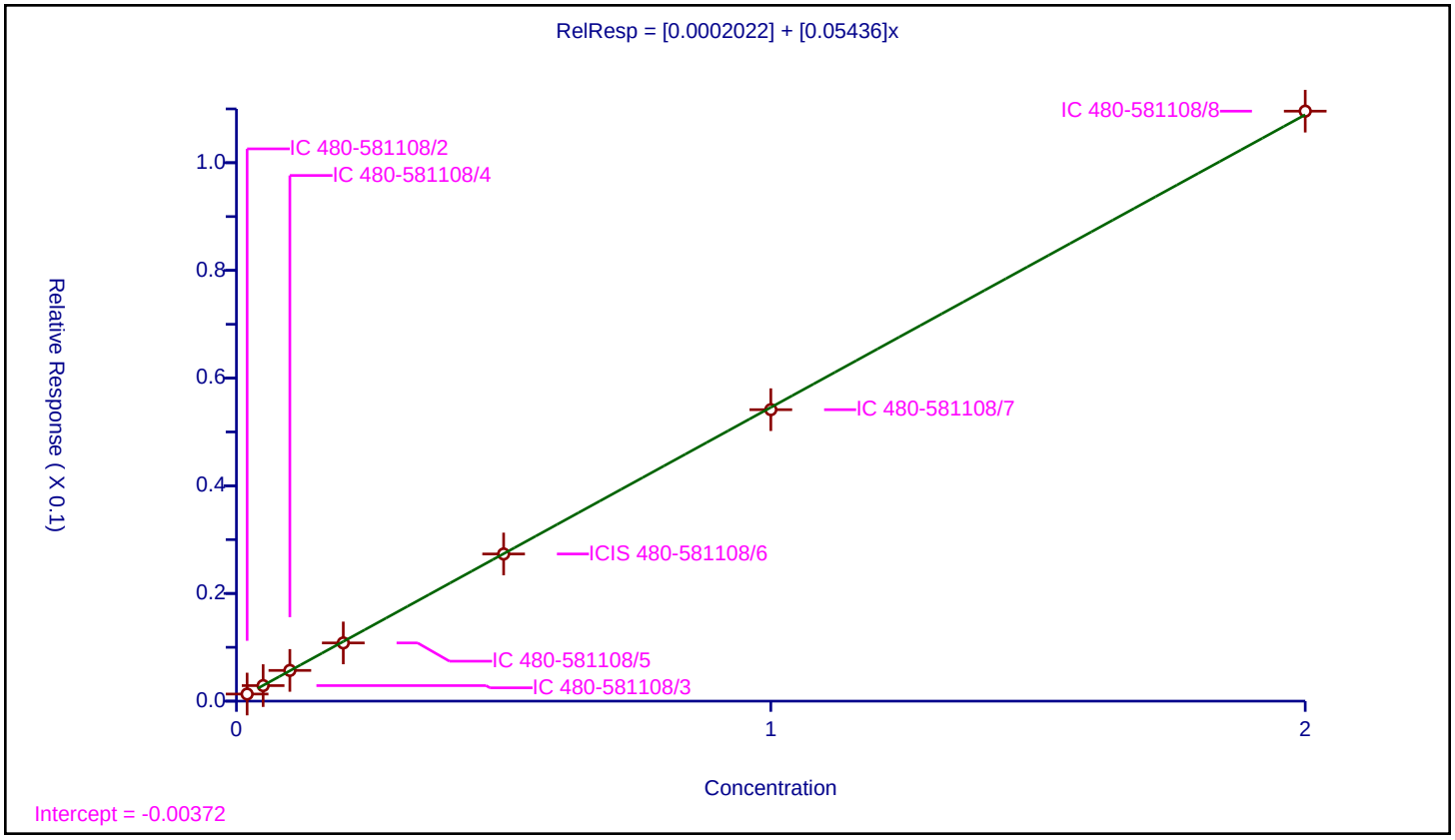
Curve Coefficients

Intercept:	0.0002022
Slope:	0.05436

Error Coefficients

Standard Error:	1250000
Relative Standard Error:	1.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/2	0.02	0.001319	0.5	11269236.0	0.065932	Y
2	IC 480-581108/3	0.05	0.002886	0.5	11188836.0	0.05772	Y
3	IC 480-581108/4	0.1	0.005708	0.5	11292579.0	0.057077	Y
4	IC 480-581108/5	0.2	0.010813	0.5	11263482.0	0.054064	Y
5	ICIS 480-581108/6	0.5	0.027335	0.5	11254941.0	0.054669	Y
6	IC 480-581108/7	1.0	0.054134	0.5	11148683.0	0.054134	Y
7	IC 480-581108/8	2.0	0.109578	0.5	11040479.0	0.054789	Y



Calibration / PCB-1260 Peak 2

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

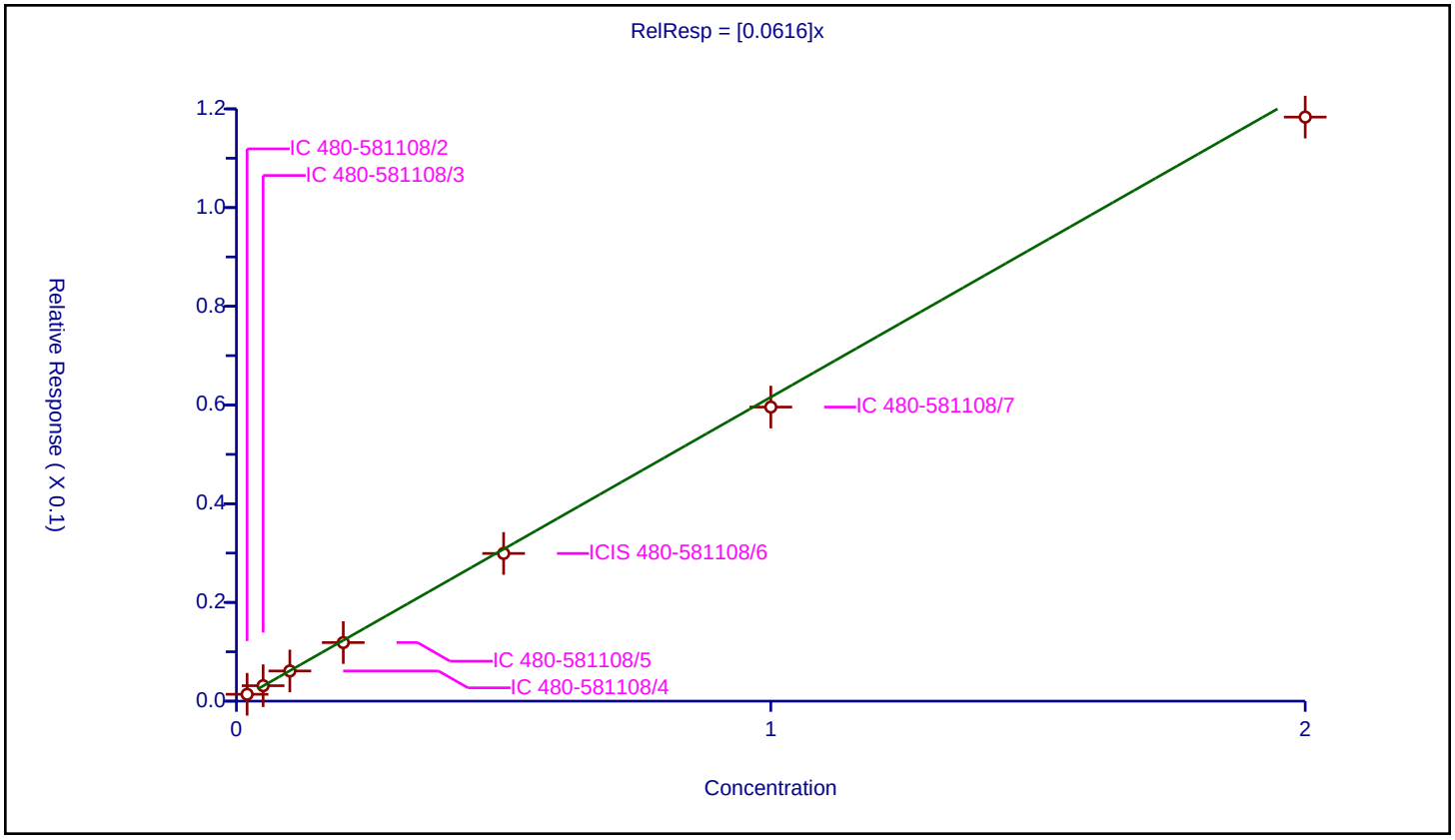
Curve Coefficients

Intercept:	0
Slope:	0.0616

Error Coefficients

Standard Error:	1230000
Relative Standard Error:	6.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/2	0.02	0.00139	0.5	11269236.0	0.069506	Y
2	IC 480-581108/3	0.05	0.003128	0.5	11188836.0	0.062551	Y
3	IC 480-581108/4	0.1	0.006118	0.5	11292579.0	0.061178	Y
4	IC 480-581108/5	0.2	0.011871	0.5	11263482.0	0.059355	Y
5	ICIS 480-581108/6	0.5	0.02992	0.5	11254941.0	0.059839	Y
6	IC 480-581108/7	1.0	0.059588	0.5	11148683.0	0.059588	Y
7	IC 480-581108/8	2.0	0.11834	0.5	11040479.0	0.05917	Y



Calibration / PCB-1260 Peak 3

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

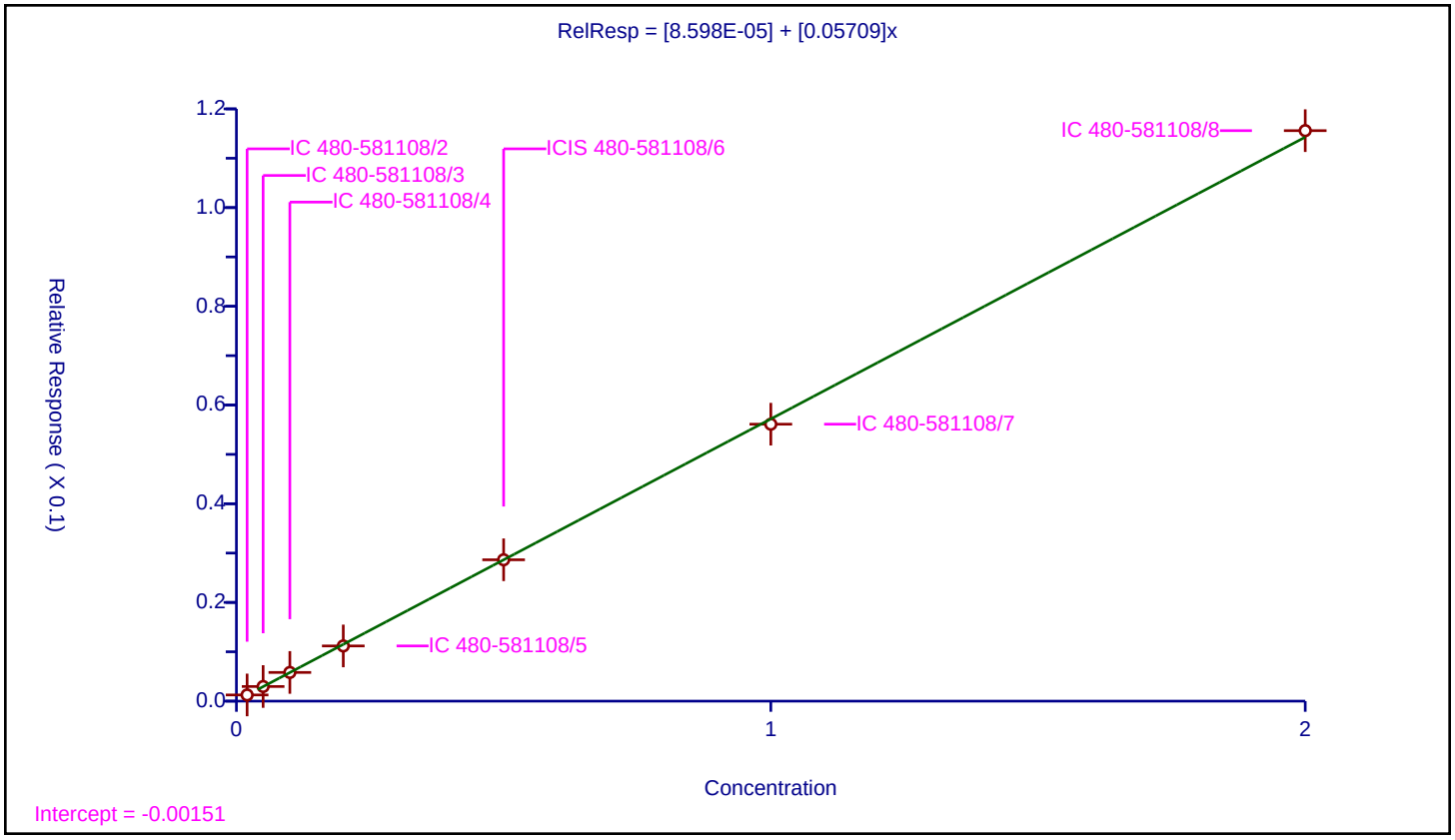
Curve Coefficients

Intercept:	8.598E-05
Slope:	0.05709

Error Coefficients

Standard Error:	1310000
Relative Standard Error:	2.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/2	0.02	0.001255	0.5	11269236.0	0.062735	Y
2	IC 480-581108/3	0.05	0.002966	0.5	11188836.0	0.059312	Y
3	IC 480-581108/4	0.1	0.005813	0.5	11292579.0	0.058127	Y
4	IC 480-581108/5	0.2	0.011182	0.5	11263482.0	0.055908	Y
5	ICIS 480-581108/6	0.5	0.02864	0.5	11254941.0	0.05728	Y
6	IC 480-581108/7	1.0	0.056113	0.5	11148683.0	0.056113	Y
7	IC 480-581108/8	2.0	0.115589	0.5	11040479.0	0.057795	Y



Calibration / PCB-1260 Peak 4

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

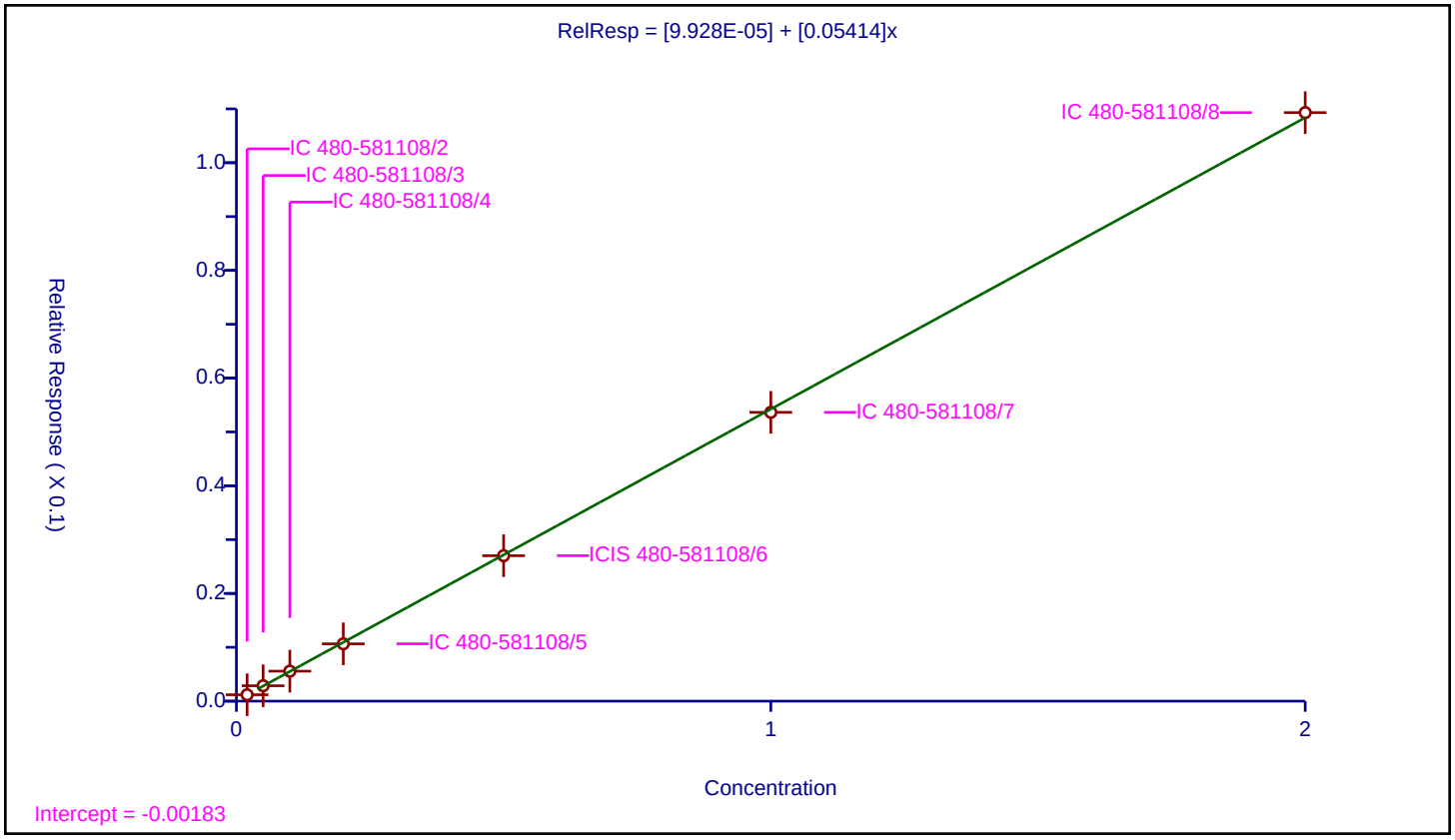
Curve Coefficients

Intercept:	9.928E-05
Slope:	0.05414

Error Coefficients

Standard Error:	1240000
Relative Standard Error:	1.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/2	0.02	0.001189	0.5	11269236.0	0.059445	Y
2	IC 480-581108/3	0.05	0.002855	0.5	11188836.0	0.057109	Y
3	IC 480-581108/4	0.1	0.005567	0.5	11292579.0	0.055673	Y
4	IC 480-581108/5	0.2	0.010644	0.5	11263482.0	0.053219	Y
5	ICIS 480-581108/6	0.5	0.02701	0.5	11254941.0	0.05402	Y
6	IC 480-581108/7	1.0	0.053641	0.5	11148683.0	0.053641	Y
7	IC 480-581108/8	2.0	0.109307	0.5	11040479.0	0.054654	Y



Calibration / PCB-1260 Peak 5

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

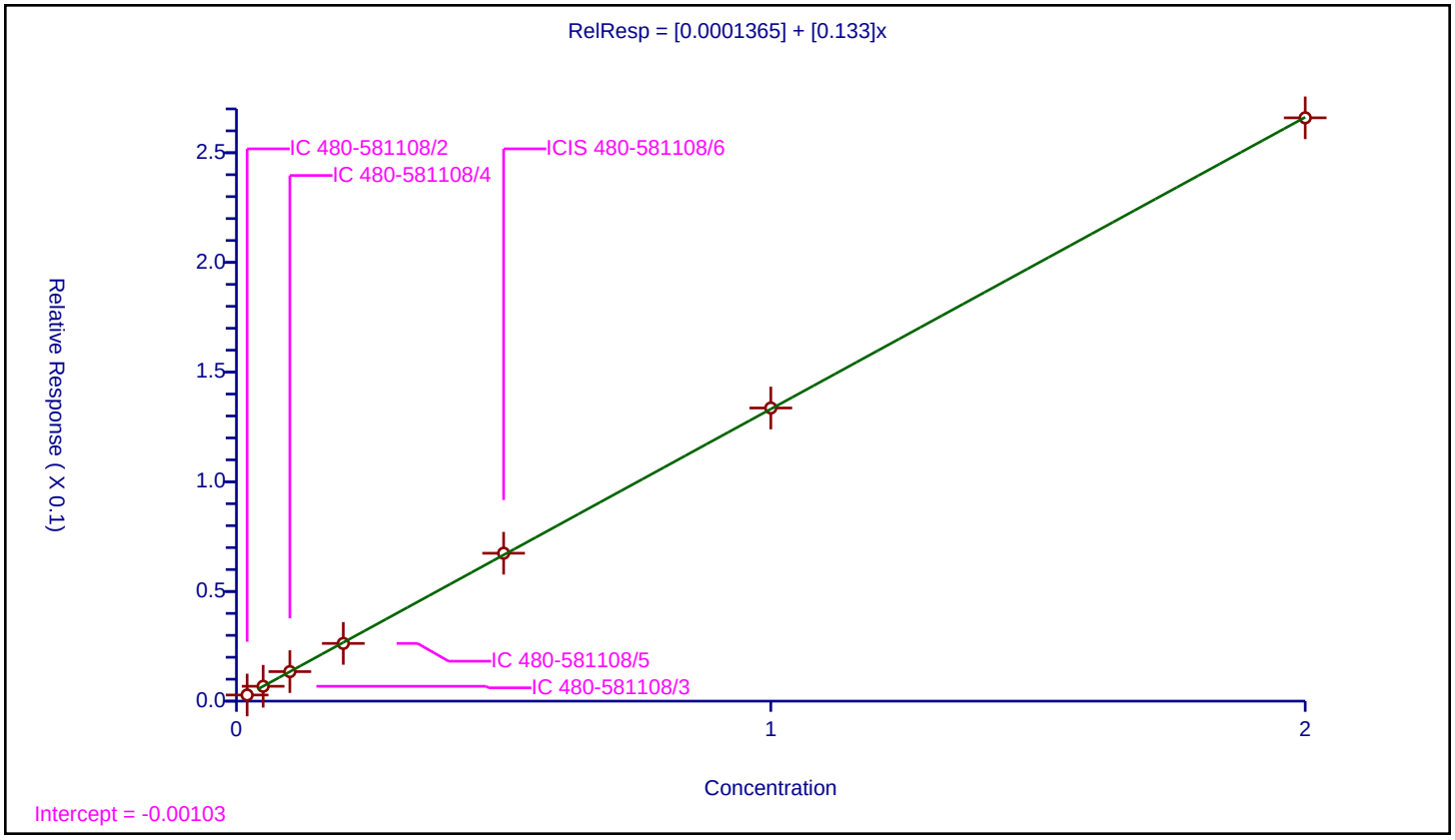
Curve Coefficients

Intercept:	0.0001365
Slope:	0.133

Error Coefficients

Standard Error:	3040000
Relative Standard Error:	0.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/2	0.02	0.0028	0.5	11269236.0	0.140021	Y
2	IC 480-581108/3	0.05	0.006778	0.5	11188836.0	0.135565	Y
3	IC 480-581108/4	0.1	0.013465	0.5	11292579.0	0.134647	Y
4	IC 480-581108/5	0.2	0.026316	0.5	11263482.0	0.13158	Y
5	ICIS 480-581108/6	0.5	0.067427	0.5	11254941.0	0.134854	Y
6	IC 480-581108/7	1.0	0.133644	0.5	11148683.0	0.133644	Y
7	IC 480-581108/8	2.0	0.265933	0.5	11040479.0	0.132966	Y



Calibration / DCB Decachlorobiphenyl

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

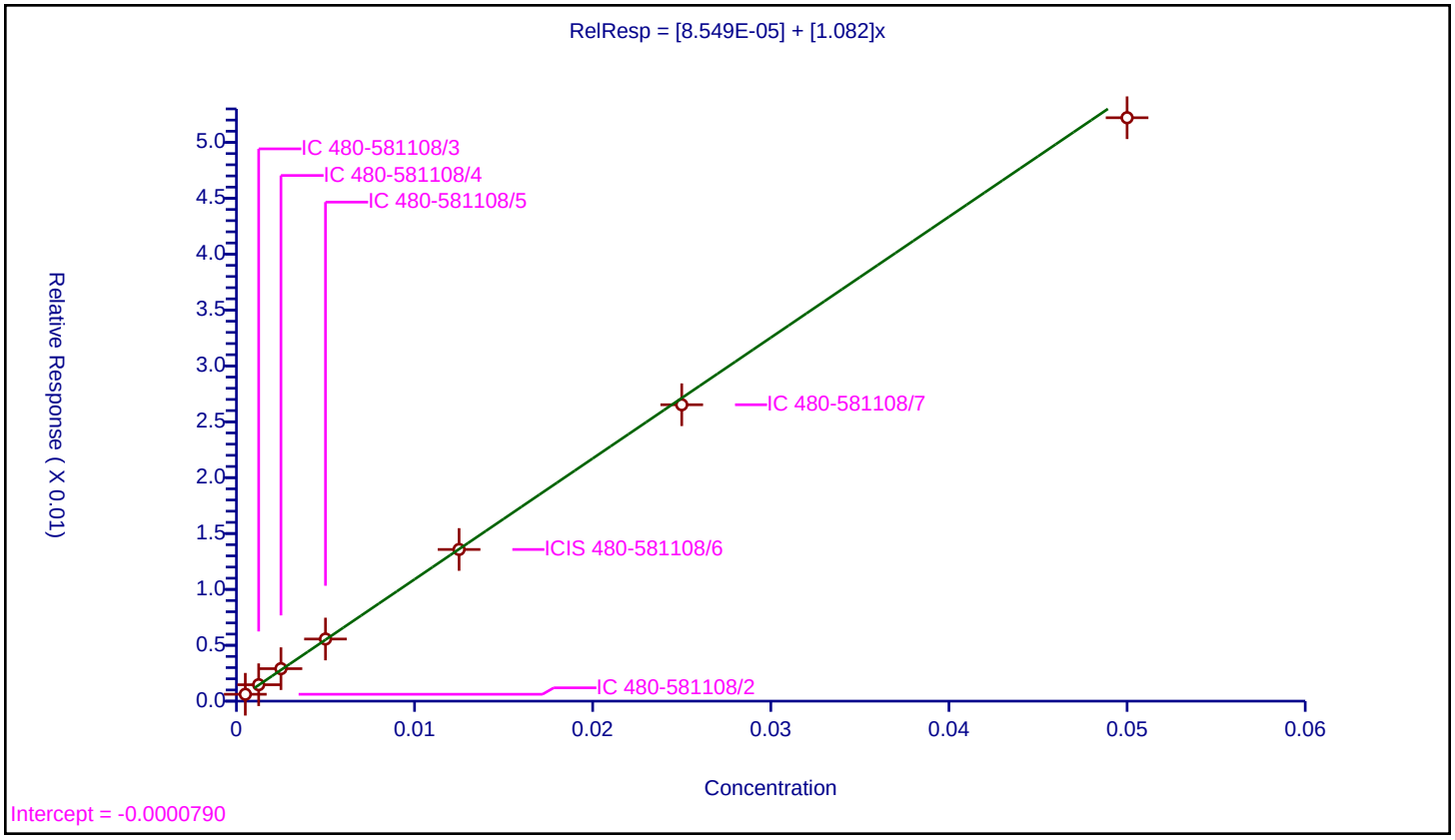
Curve Coefficients

Intercept:	8.549E-05
Slope:	1.082

Error Coefficients

Standard Error:	599000
Relative Standard Error:	3.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/2	0.0005	0.000616	0.5	11269236.0	1.232559	Y
2	IC 480-581108/3	0.00125	0.00147	0.5	11188836.0	1.175779	Y
3	IC 480-581108/4	0.0025	0.002906	0.5	11292579.0	1.162268	Y
4	IC 480-581108/5	0.005	0.00556	0.5	11263482.0	1.111992	Y
5	ICIS 480-581108/6	0.0125	0.013573	0.5	11254941.0	1.085831	Y
6	IC 480-581108/7	0.025	0.026524	0.5	11148683.0	1.060976	Y
7	IC 480-581108/8	0.05	0.052209	0.5	11040479.0	1.044176	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 581108

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/14/2021 21:25 Calibration End Date: 05/14/2021 21:56 Calibration ID: 41833

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-581108/14	7_97-026.D
Level 2	IC 480-581108/15	7_97-027.D
Level 3	IC 480-581108/16	7_97-028.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3				B	M1	M2								
PCB-1221 Peak 1	0.0114	0.0076	0.0067			Lin1	0.0001	0.0068				12.0			0.9980		0.9900
PCB-1221 Peak 2	0.0189	0.0124	0.0114			Lin1	0.0002	0.0115				6.7			0.9990		0.9900
PCB-1221 Peak 3	0.0105	0.0074	0.0064			Lin1	0.0001	0.0065				13.9			0.9970		0.9900
PCB-1221 Peak 4	0.0416	0.0287	0.0266			Lin1	0.0003	0.0267				6.4			0.9990		0.9900
PCB-1254 Peak 1	0.0596	0.0443	0.0437			Lin2	0.0003	0.0436				0.2			1.0000		0.9900
PCB-1254 Peak 2	0.0839	0.0634	0.0631			Lin2	0.0004	0.0627				0.4			1.0000		0.9900
PCB-1254 Peak 3	0.0972	0.0770	0.0763			Lin2	0.0004	0.0761							1.0000		0.9900
PCB-1254 Peak 4	0.0969	0.0736	0.0739			Lin2	0.0005	0.0731				1.0			1.0000		0.9900
PCB-1254 Peak 5	0.0672	0.0489	0.0491			Lin2	0.0004	0.0485				1.1			1.0000		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 581108

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/14/2021 21:25 Calibration End Date: 05/14/2021 21:56 Calibration ID: 41833

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-581108/14	7_97-026.D
Level 2	IC 480-581108/15	7_97-027.D
Level 3	IC 480-581108/16	7_97-028.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
PCB-1221 Peak 1	BNB	Lin1	5256	89156	304163			0.0199	0.498	1.99		
PCB-1221 Peak 2	BNB	Lin1	8710	145453	521425			0.0199	0.498	1.99		
PCB-1221 Peak 3	BNB	Lin1	4832	86825	291514			0.0199	0.498	1.99		
PCB-1221 Peak 4	BNB	Lin1	19228	336393	1211443			0.0199	0.498	1.99		
PCB-1254 Peak 1	BNB	Lin2	27754	522851	2008105			0.0201	0.502	2.01		
PCB-1254 Peak 2	BNB	Lin2	39043	748772	2900807			0.0201	0.502	2.01		
PCB-1254 Peak 3	BNB	Lin2	45236	908883	3508017			0.0201	0.502	2.01		
PCB-1254 Peak 4	BNB	Lin2	45107	868469	3394122			0.0201	0.502	2.01		
PCB-1254 Peak 5	BNB	Lin2	31297	577199	2254945			0.0201	0.502	2.01		

Curve Type Legend

Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-026.D
Lims ID: IC level 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 14-May-2021 21:25:06 ALS Bottle#: 0 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub7

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2021 13:21:30 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1602

First Level Reviewer: schickr Date: 15-May-2021 13:07:45

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.824	1.824	0.000	11591916	0.5000	0.5000	
2	2.015	2.015	0.000	11175444	0.5000	0.5000	
						RPD = 0.00	
2 PCB-1221							
1	2.319	2.319	0.000	5256	0.0199	0.0185	
1	2.947	2.947	0.000	8710	0.0199	0.0191	
1	3.027	3.027	0.000	4832	0.0199	0.0183	
1	3.078	3.078	0.000	19228	0.0199	0.0192	
		Average of Peak Amounts =				0.0188	
2	2.429	2.429	0.000	5183	0.0199	0.0191	
2	3.050	3.050	0.000	8254	0.0199	0.0195	
2	3.170	3.170	0.000	4828	0.0199	0.0191	
2	3.227	3.227	0.000	15026	0.0199	0.0194	
		Average of Peak Amounts =				0.0193	
						RPD = 2.78	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
6 PCB-1254							M
1	4.609	4.609	0.000	27754	0.0201	0.0201	M
1	4.783	4.783	0.000	39043	0.0201	0.0201	M
1	5.103	5.103	0.000	45236	0.0201	0.0201	M
1	5.306	5.306	0.000	45107	0.0201	0.0201	M
1	5.542	5.542	0.000	31297	0.0201	0.0201	M
		Average of Peak Amounts =				0.0201	
2	4.885	4.885	0.000	29037	0.0201	0.0201	
2	5.217	5.217	0.000	19205	0.0201	0.0201	
2	5.309	5.309	0.000	39028	0.0201	0.0201	
2	5.439	5.439	0.000	28124	0.0201	0.0201	
2	5.945	5.945	0.000	28057	0.0201	0.0201	
		Average of Peak Amounts =				0.0201	
						RPD = 0.06	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

21-54w/IS@.02_00023 Amount Added: 1.00 Units: mL

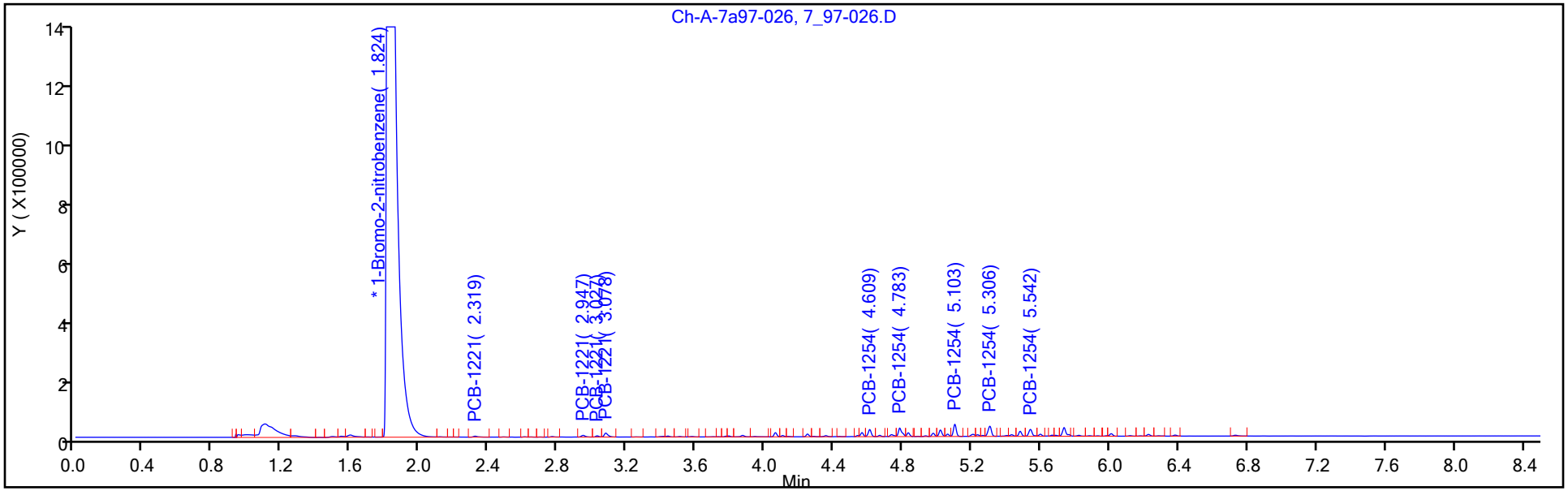
Report Date: 15-May-2021 13:21:31 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

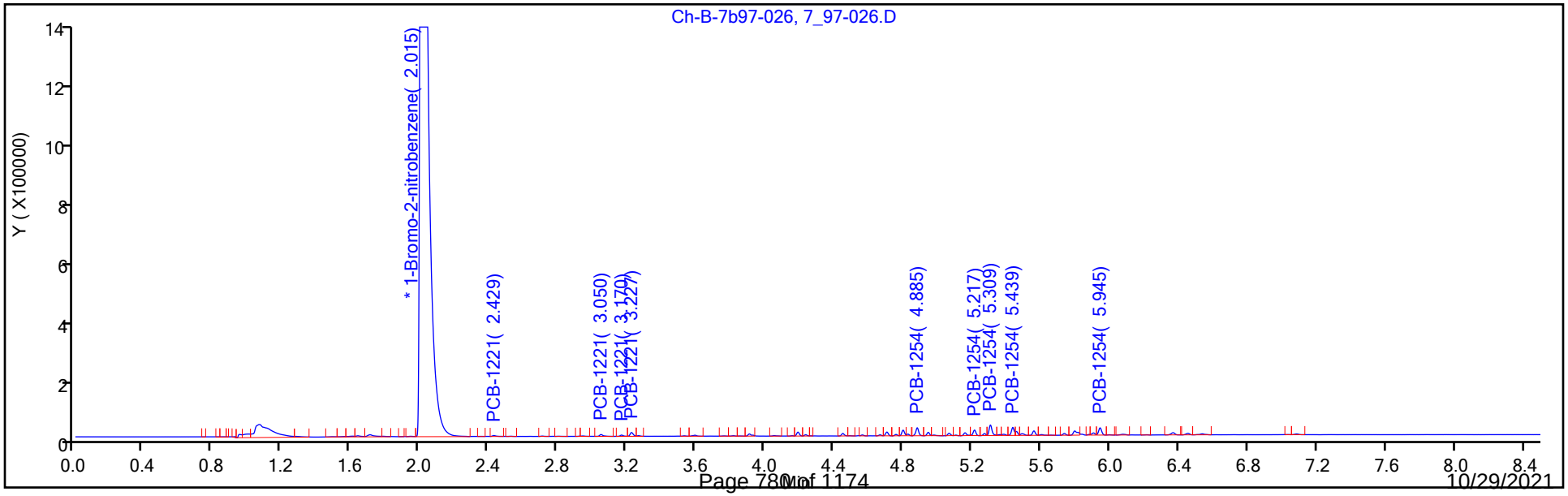
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-026.D

Injection Date:	14-May-2021 21:25:06	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC level 1			Worklist Smp#:	14
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 15-May-2021 13:21:31 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-026.D

Injection Date: 14-May-2021 21:25:06 Instrument ID: HP6890-7

Lims ID: IC level 1

Client ID:

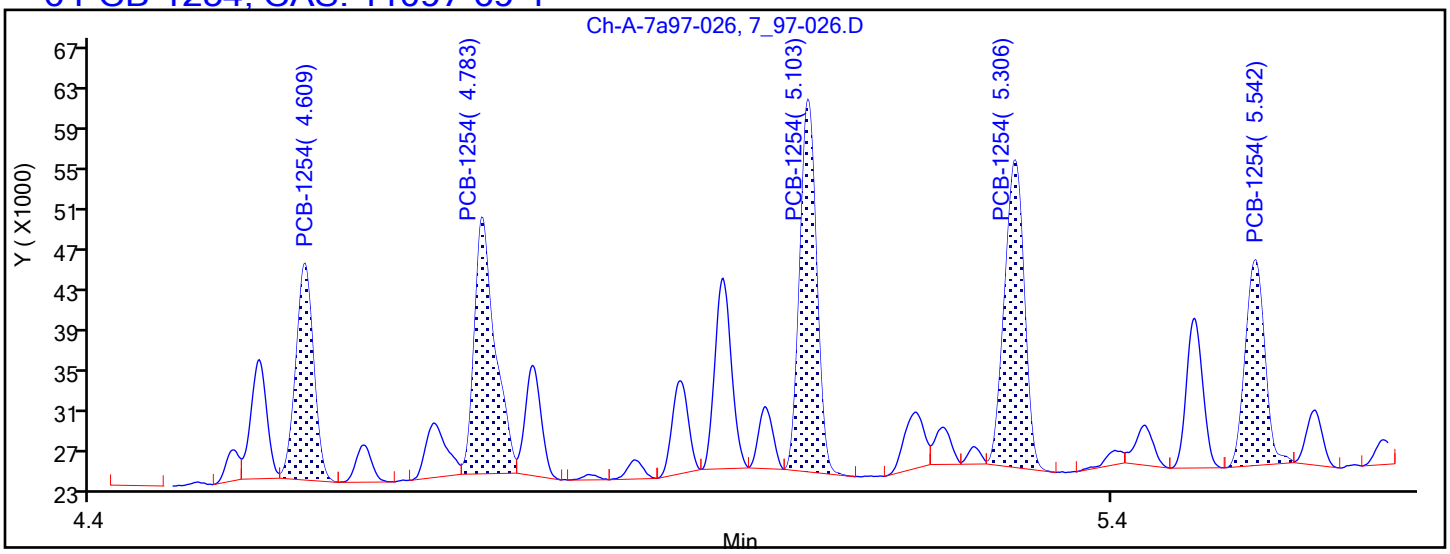
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 14

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

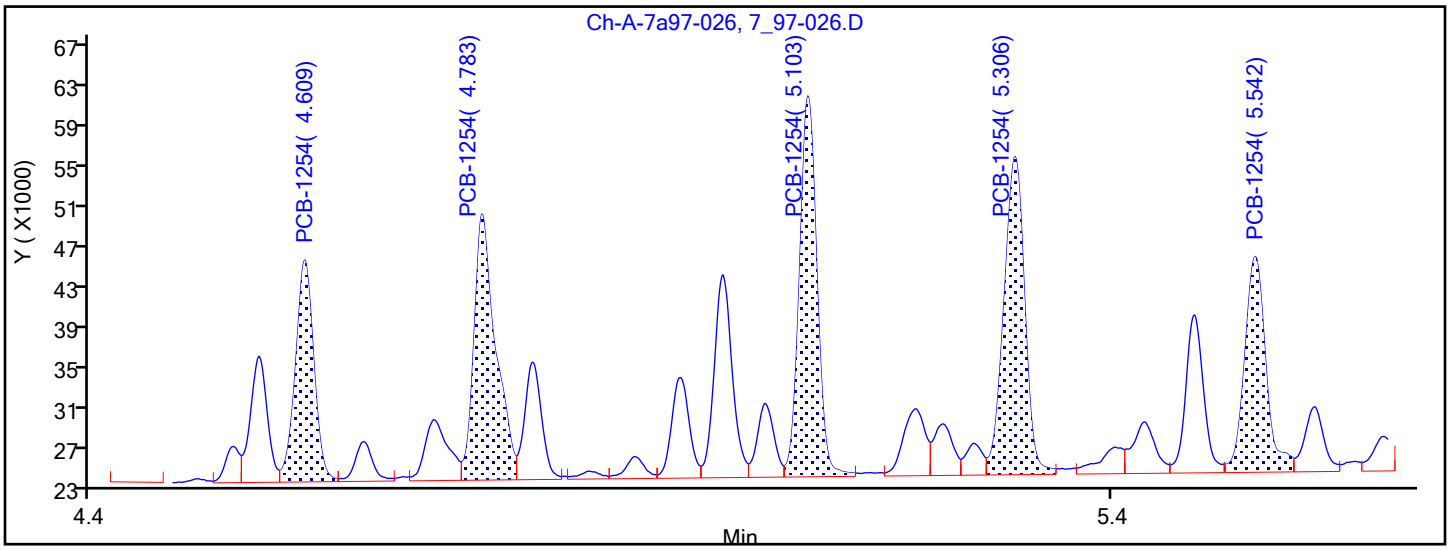
Column: ZB-5 (0.53 mm) Detector Ch-A-7A136

6 PCB-1254, CAS: 11097-69-1



Processing Integration Results

4.609	Response = 26053
4.783	Response = 35889
5.103	Response = 42317
5.306	Response = 41113
5.542	Response = 27093



Manual Integration Results

4.609	Response = 27754	M
4.783	Response = 39043	M
5.103	Response = 45236	M
5.306	Response = 45107	M
5.542	Response = 31297	M

Reviewer: schickr, 15-May-2021 13:07:28

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-027.D
Lims ID: IC level 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 14-May-2021 21:40:49 ALS Bottle#: 0 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub7

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2021 13:21:32 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1602

First Level Reviewer: schickr Date: 15-May-2021 12:43:21

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.825	1.825	0.000	11759612	0.5000	0.5000	
2	2.015	2.015	0.000	11270326	0.5000	0.5000	
						RPD = 0.00	
2 PCB-1221							
1	2.320	2.320	0.000	89156	0.4980	0.5446	
1	2.948	2.948	0.000	145453	0.4980	0.5240	
1	3.028	3.028	0.000	86825	0.4980	0.5523	
1	3.078	3.078	0.000	336393	0.4980	0.5230	
		Average of Peak Amounts =				0.5360	
2	2.428	2.428	0.000	84195	0.4980	0.5239	
2	3.050	3.050	0.000	139568	0.4980	0.5113	
2	3.169	3.169	0.000	84902	0.4980	0.5247	
2	3.227	3.227	0.000	273442	0.4980	0.5141	
		Average of Peak Amounts =				0.5185	
						RPD = 3.32	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
6 PCB-1254							M
1	4.610	4.610	0.000	522851	0.5020	0.5026	M
1	4.783	4.783	0.000	748772	0.5020	0.5006	M
1	5.103	5.103	0.000	908883	0.5020	0.5020	M
1	5.307	5.307	0.000	868469	0.5020	0.4985	M
1	5.541	5.541	0.000	577199	0.5020	0.4981	M
		Average of Peak Amounts =				0.5004	
2	4.885	4.885	0.000	604109	0.5020	0.4938	M
2	5.217	5.217	0.000	412542	0.5020	0.4896	M
2	5.309	5.309	0.000	857235	0.5020	0.4928	M
2	5.439	5.439	0.000	591119	0.5020	0.4914	M
2	5.946	5.946	0.000	599420	0.5020	0.4868	M
		Average of Peak Amounts =				0.4909	
						RPD = 1.91	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

21-54w/IS@0.5_00087 Amount Added: 1.00 Units: mL

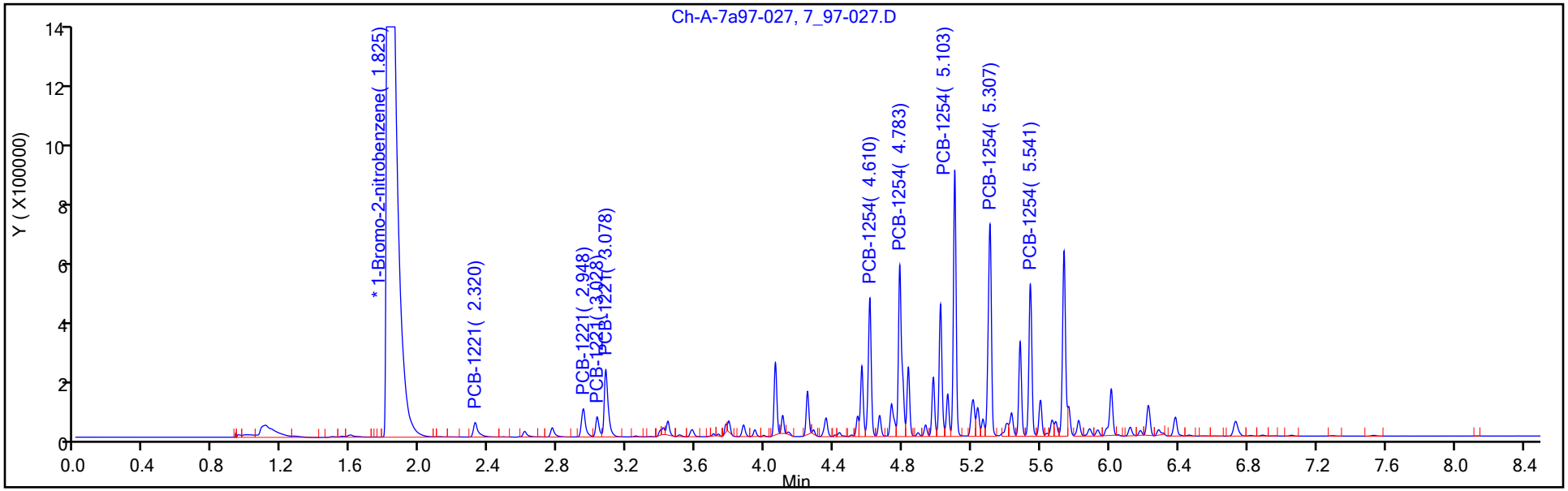
Report Date: 15-May-2021 13:21:32 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

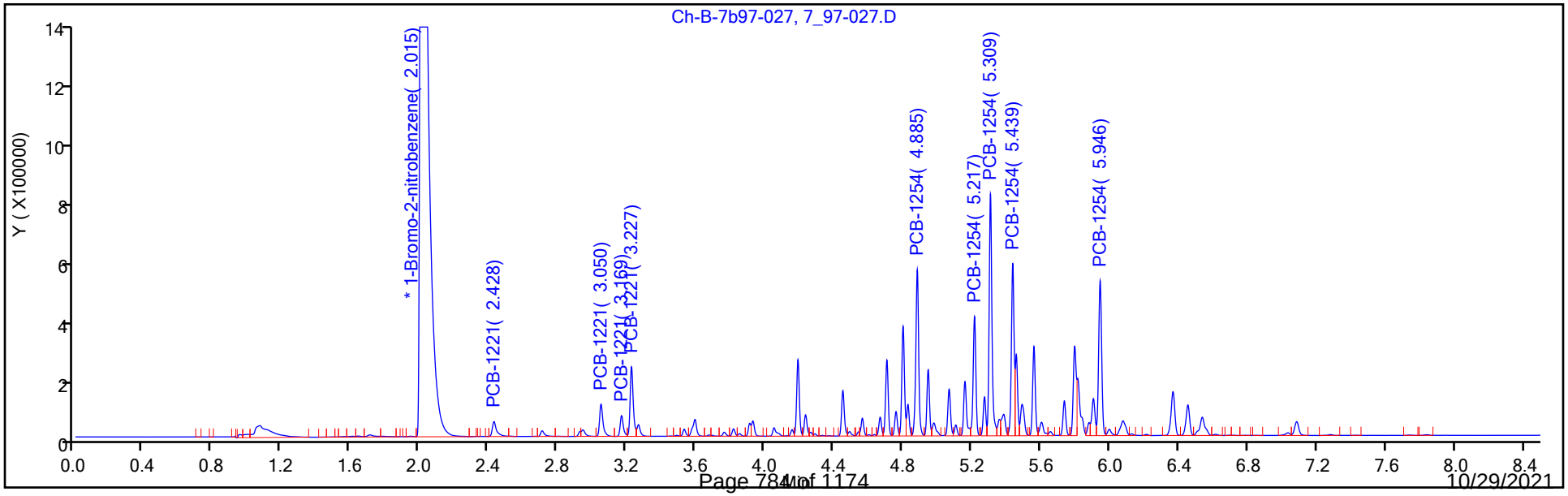
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-027.D

Injection Date:	14-May-2021 21:40:49	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC level 2			Worklist Smp#:	15
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 15-May-2021 13:21:32 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-027.D

Injection Date: 14-May-2021 21:40:49 Instrument ID: HP6890-7

Lims ID: IC level 2

Client ID:

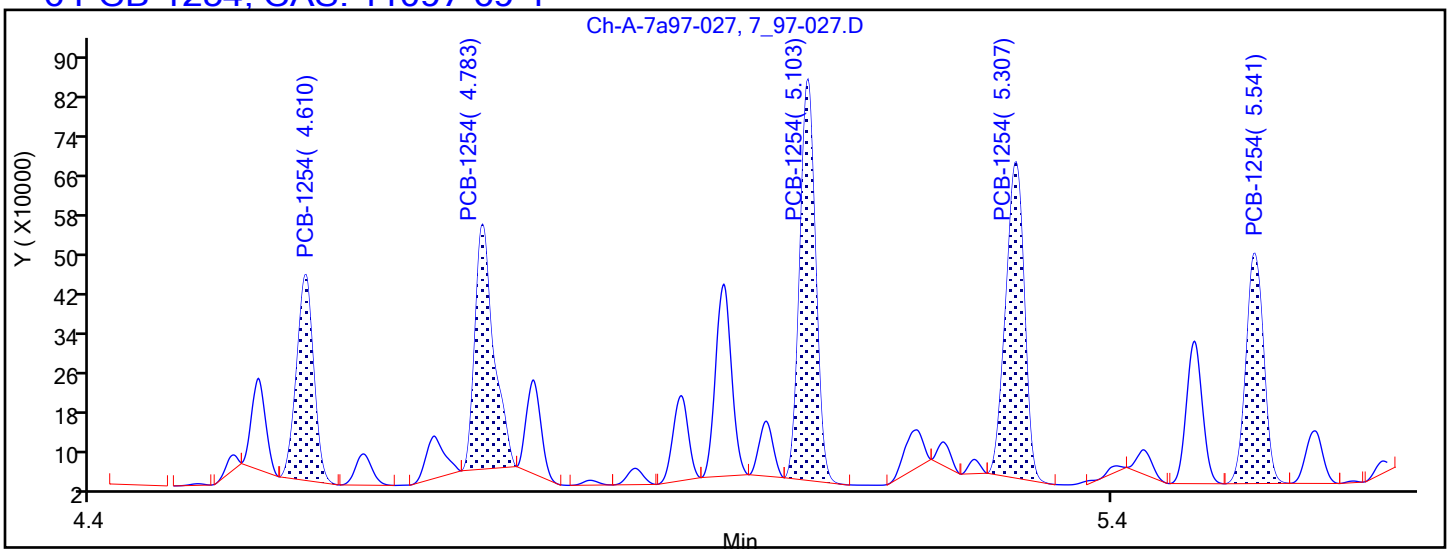
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 15

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

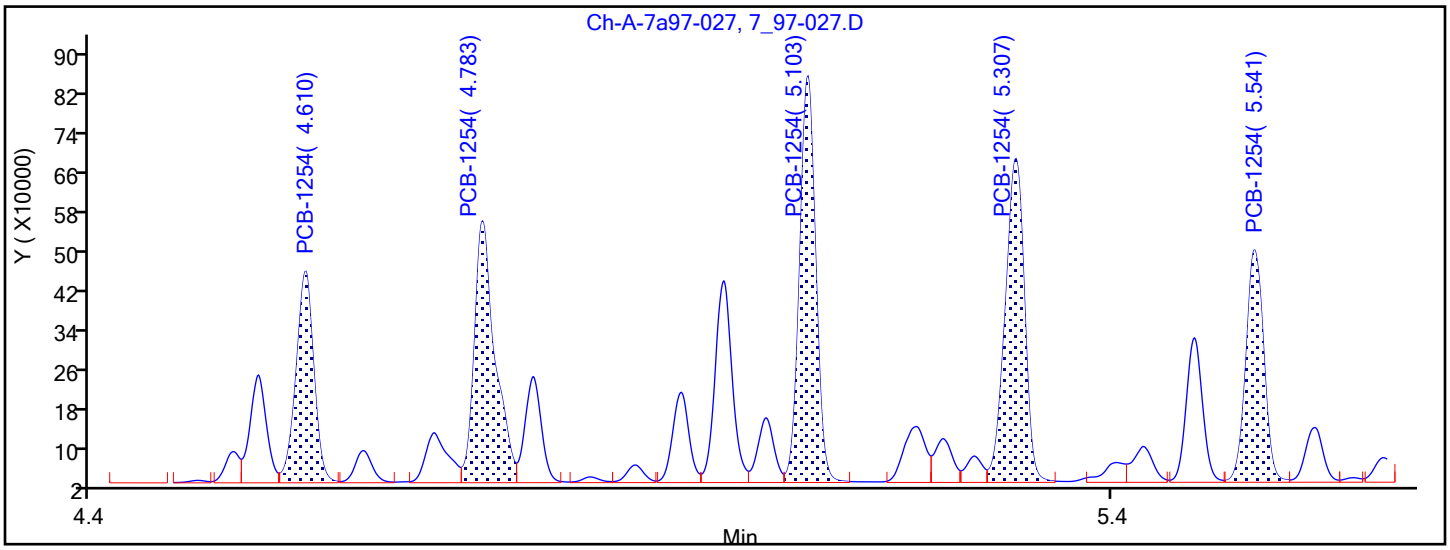
Column: ZB-5 (0.53 mm) Detector Ch-A-7A136

6 PCB-1254, CAS: 11097-69-1



Processing Integration Results

4.610	Response = 485876
4.783	Response = 633426
5.103	Response = 874327
5.307	Response = 813589
5.541	Response = 561192



Manual Integration Results

4.610	Response = 522851	M
4.783	Response = 748772	M
5.103	Response = 908883	M
5.307	Response = 868469	M
5.541	Response = 577199	M

Reviewer: schickr, 15-May-2021 13:08:08

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-028.D
Lims ID: IC level 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 14-May-2021 21:56:49 ALS Bottle#: 0 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub7

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2021 13:21:33 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1602

First Level Reviewer: schickr Date: 15-May-2021 13:09:21

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.825	1.825	0.000	11442852	0.5000	0.5000	
2	2.015	2.015	0.000	10895282	0.5000	0.5000	
						RPD = 0.00	
2 PCB-1221							
1	2.321	2.320	0.001	304163	1.99	1.95	
1	2.948	2.948	0.000	521425	1.99	1.97	
1	3.029	3.028	0.001	291514	1.99	1.94	
1	3.079	3.078	0.001	1211443	1.99	1.97	
		Average of Peak Amounts =				1.96	
2	2.429	2.428	0.001	299618	1.99	1.97	
2	3.050	3.050	0.000	513572	1.99	1.98	
2	3.169	3.169	0.000	302628	1.99	1.97	
2	3.227	3.227	0.000	1002580	1.99	1.98	
		Average of Peak Amounts =				1.97	
						RPD = 0.86	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
6 PCB-1254							M
1	4.611	4.610	0.001	2008105	2.01	2.01	
1	4.785	4.783	0.002	2900807	2.01	2.01	
1	5.105	5.103	0.003	3508017	2.01	2.01	
1	5.308	5.307	0.001	3394122	2.01	2.02	
1	5.543	5.541	0.002	2254945	2.01	2.02	
		Average of Peak Amounts =				2.01	
2	4.886	4.885	0.001	2397662	2.01	2.04	M
2	5.218	5.217	0.001	1666781	2.01	2.06	M
2	5.310	5.309	0.001	3422325	2.01	2.04	M
2	5.439	5.439	0.000	2369204	2.01	2.05	M
2	5.947	5.946	0.001	2448810	2.01	2.07	M
		Average of Peak Amounts =				2.05	
						RPD = 1.81	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

21-54w/IS@2.0_00025 Amount Added: 1.00 Units: mL

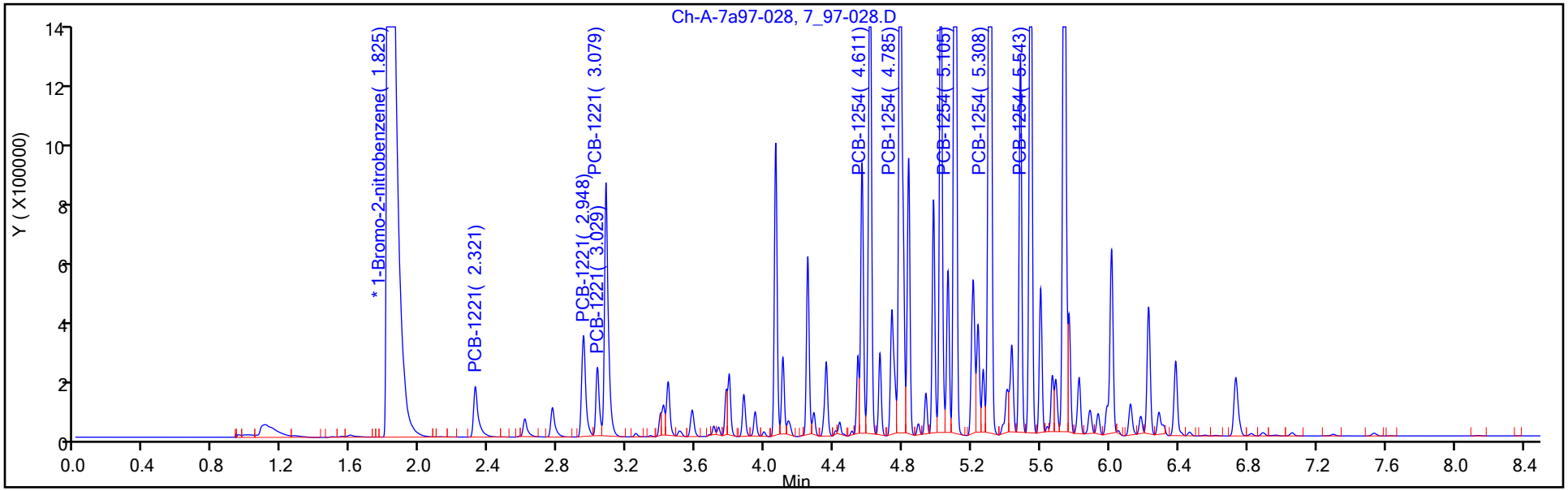
Report Date: 15-May-2021 13:21:34 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

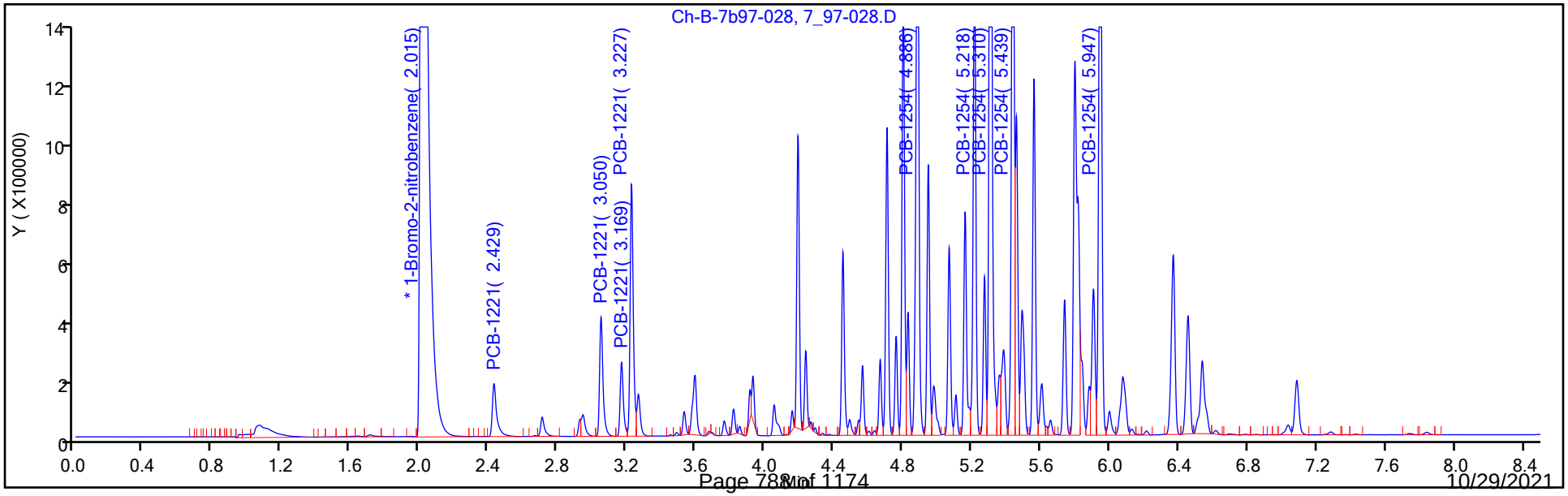
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-028.D

Injection Date:	14-May-2021 21:56:49	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC level 3			Worklist Smp#:	16
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Calibration / PCB-1221 Peak 1

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

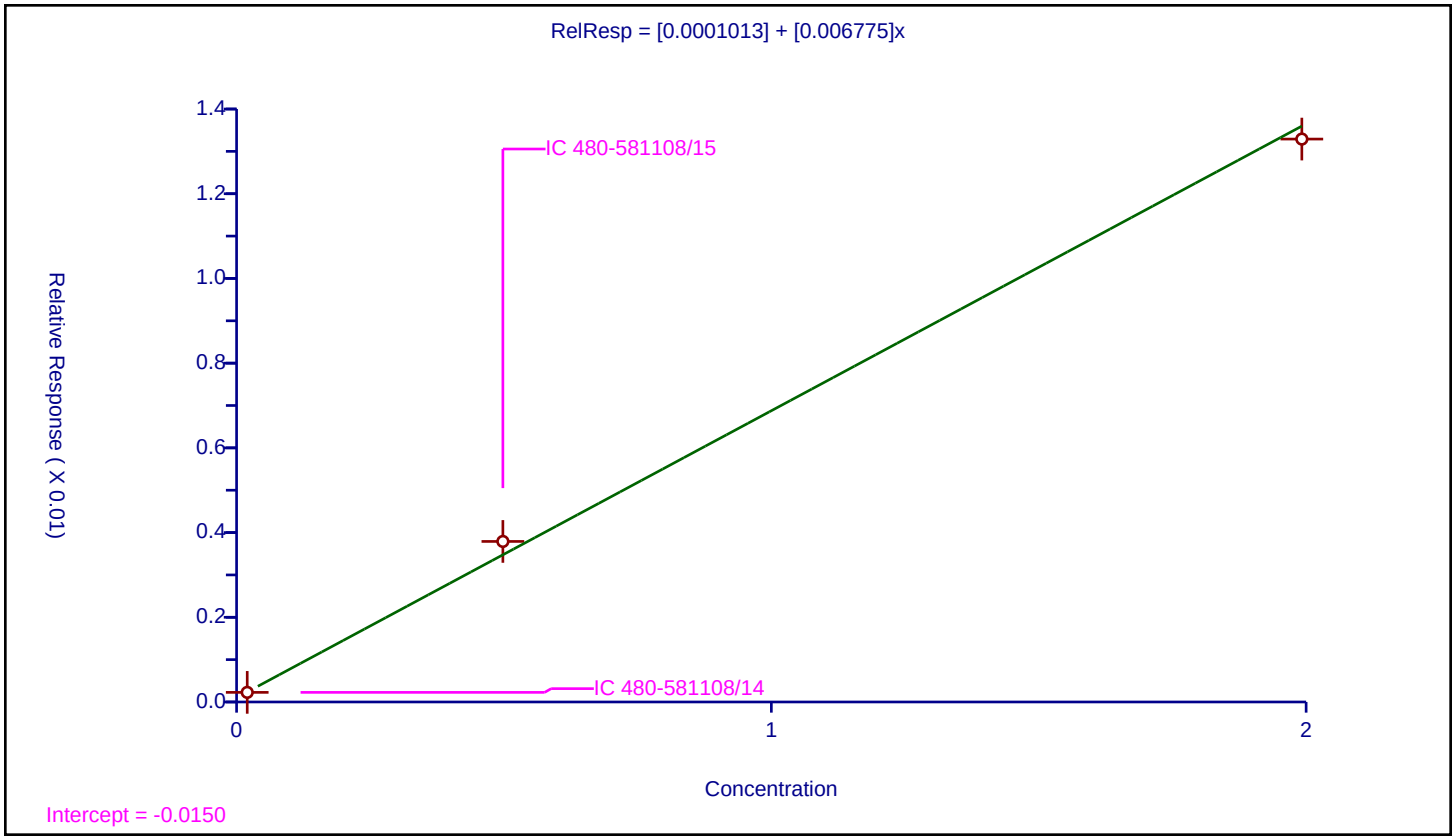
Curve Coefficients

Intercept:	0.0001013
Slope:	0.006775

Error Coefficients

Standard Error:	317000
Relative Standard Error:	12.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/14	0.01992	0.000227	0.5	11591916.0	0.011381	Y
2	IC 480-581108/15	0.498	0.003791	0.5	11759612.0	0.007612	Y
3	IC 480-581108/16	1.992	0.013291	0.5	11442852.0	0.006672	Y



Calibration / PCB-1221 Peak 2

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

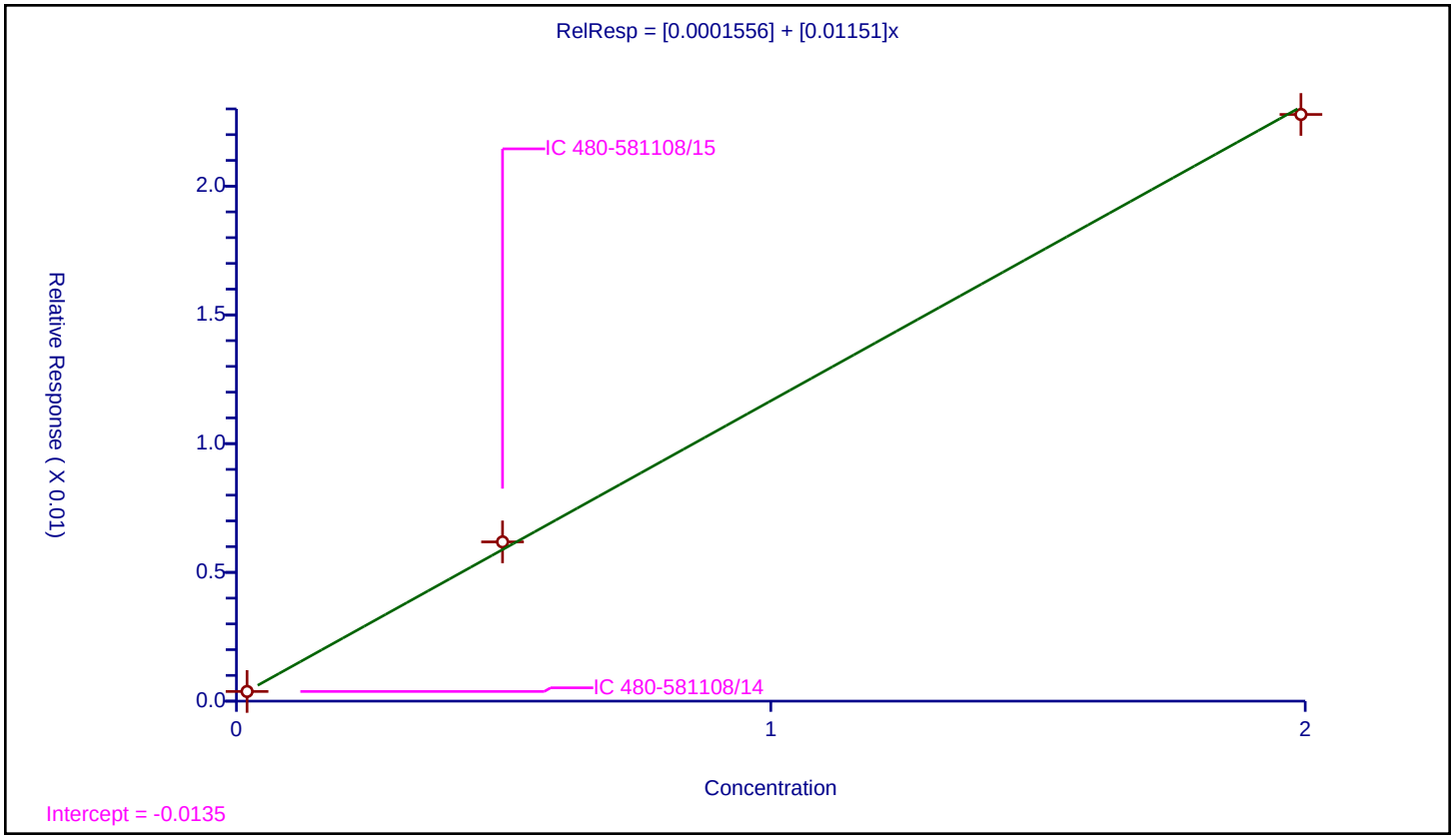
Curve Coefficients

Intercept:	0.0001556
Slope:	0.01151

Error Coefficients

Standard Error:	541000
Relative Standard Error:	6.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/14	0.01992	0.000376	0.5	11591916.0	0.01886	Y
2	IC 480-581108/15	0.498	0.006184	0.5	11759612.0	0.012419	Y
3	IC 480-581108/16	1.992	0.022784	0.5	11442852.0	0.011438	Y



Calibration / PCB-1221 Peak 3

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

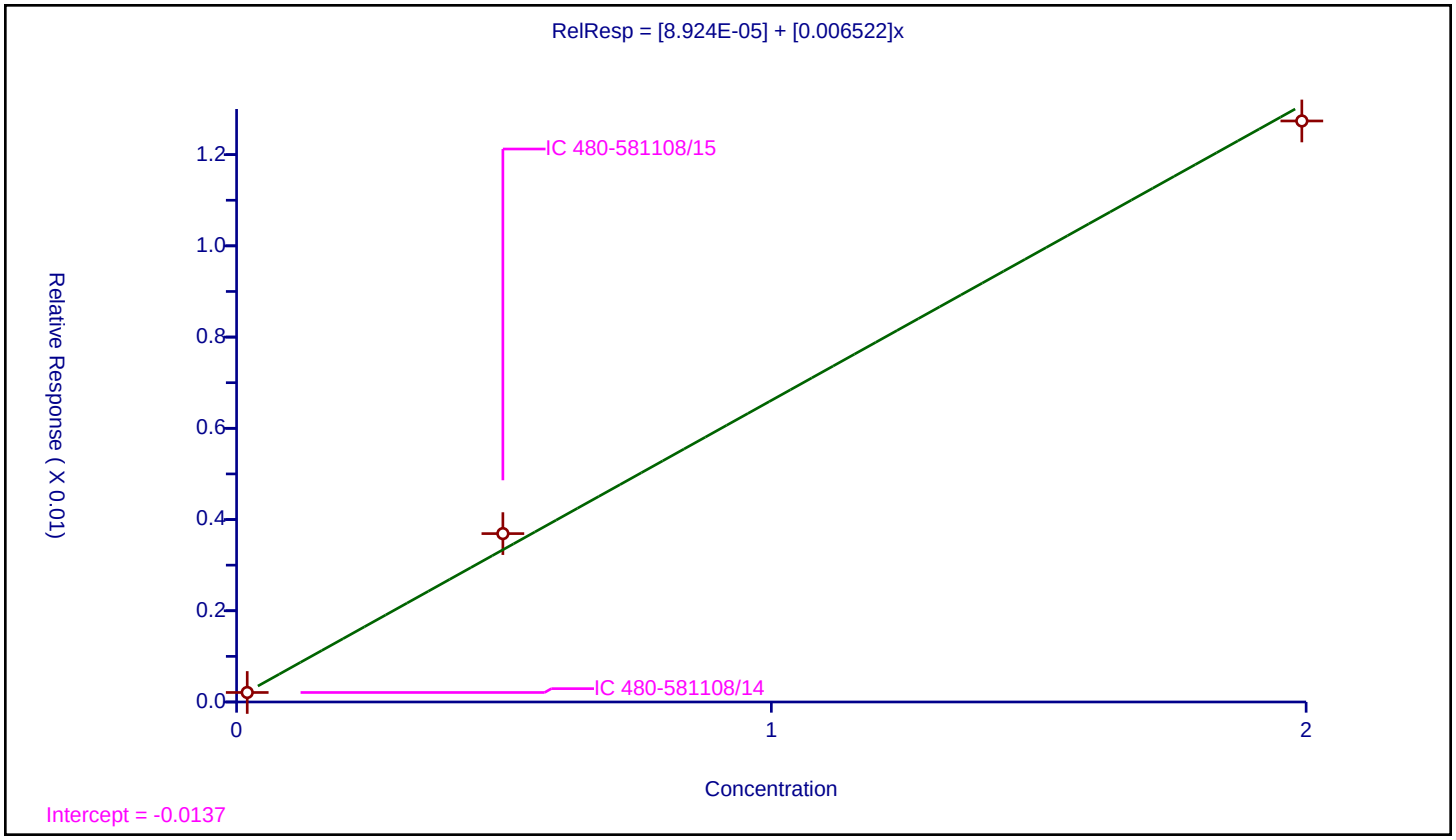
Curve Coefficients

Intercept:	8.924E-05
Slope:	0.006522

Error Coefficients

Standard Error:	304000
Relative Standard Error:	13.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/14	0.01992	0.000208	0.5	11591916.0	0.010463	Y
2	IC 480-581108/15	0.498	0.003692	0.5	11759612.0	0.007413	Y
3	IC 480-581108/16	1.992	0.012738	0.5	11442852.0	0.006394	Y



Calibration / PCB-1221 Peak 4

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

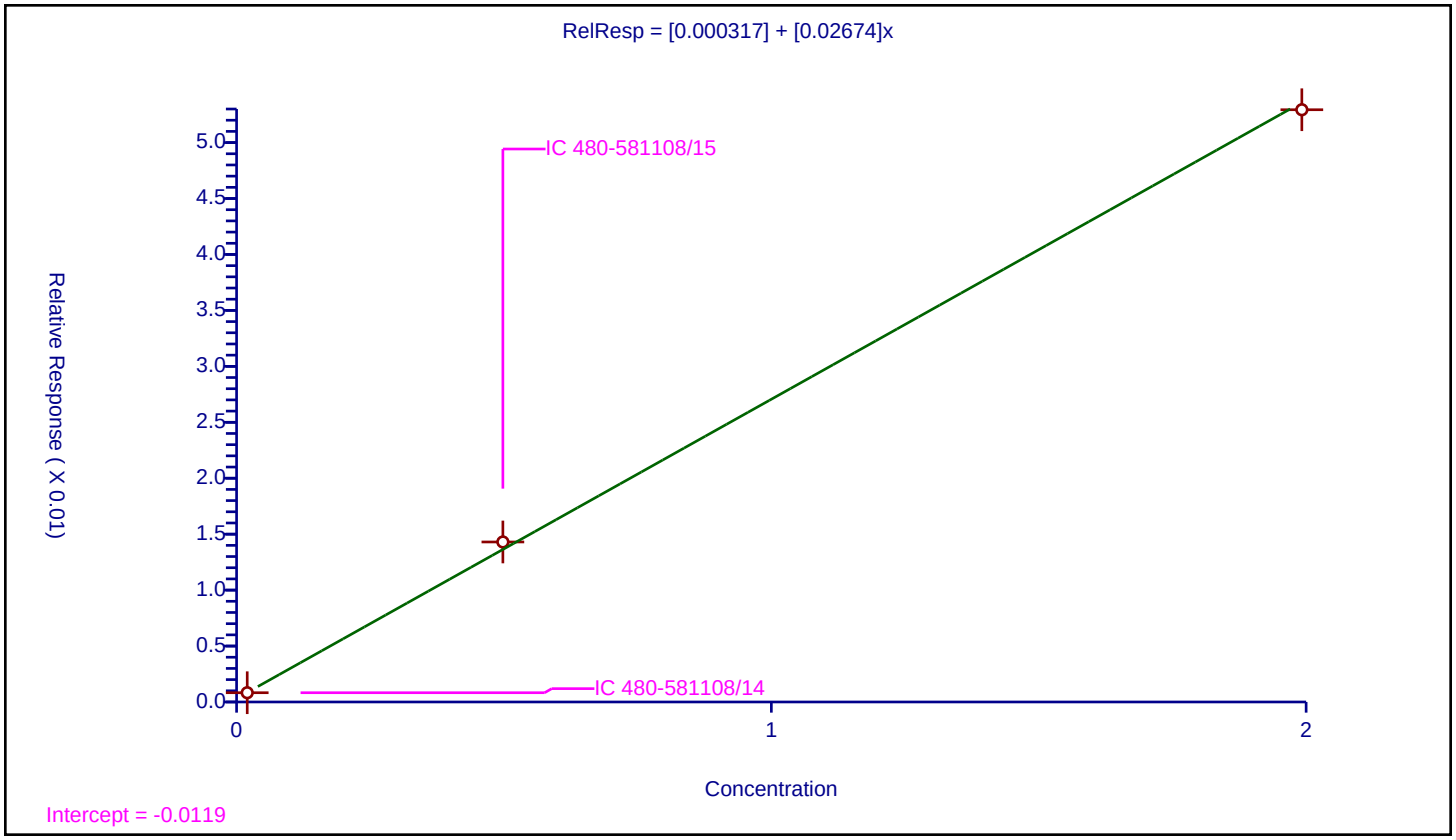
Curve Coefficients

Intercept:	0.000317
Slope:	0.02674

Error Coefficients

Standard Error:	1260000
Relative Standard Error:	6.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/14	0.01992	0.000829	0.5	11591916.0	0.041635	Y
2	IC 480-581108/15	0.498	0.014303	0.5	11759612.0	0.028721	Y
3	IC 480-581108/16	1.992	0.052934	0.5	11442852.0	0.026574	Y



Calibration / PCB-1254 Peak 1

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

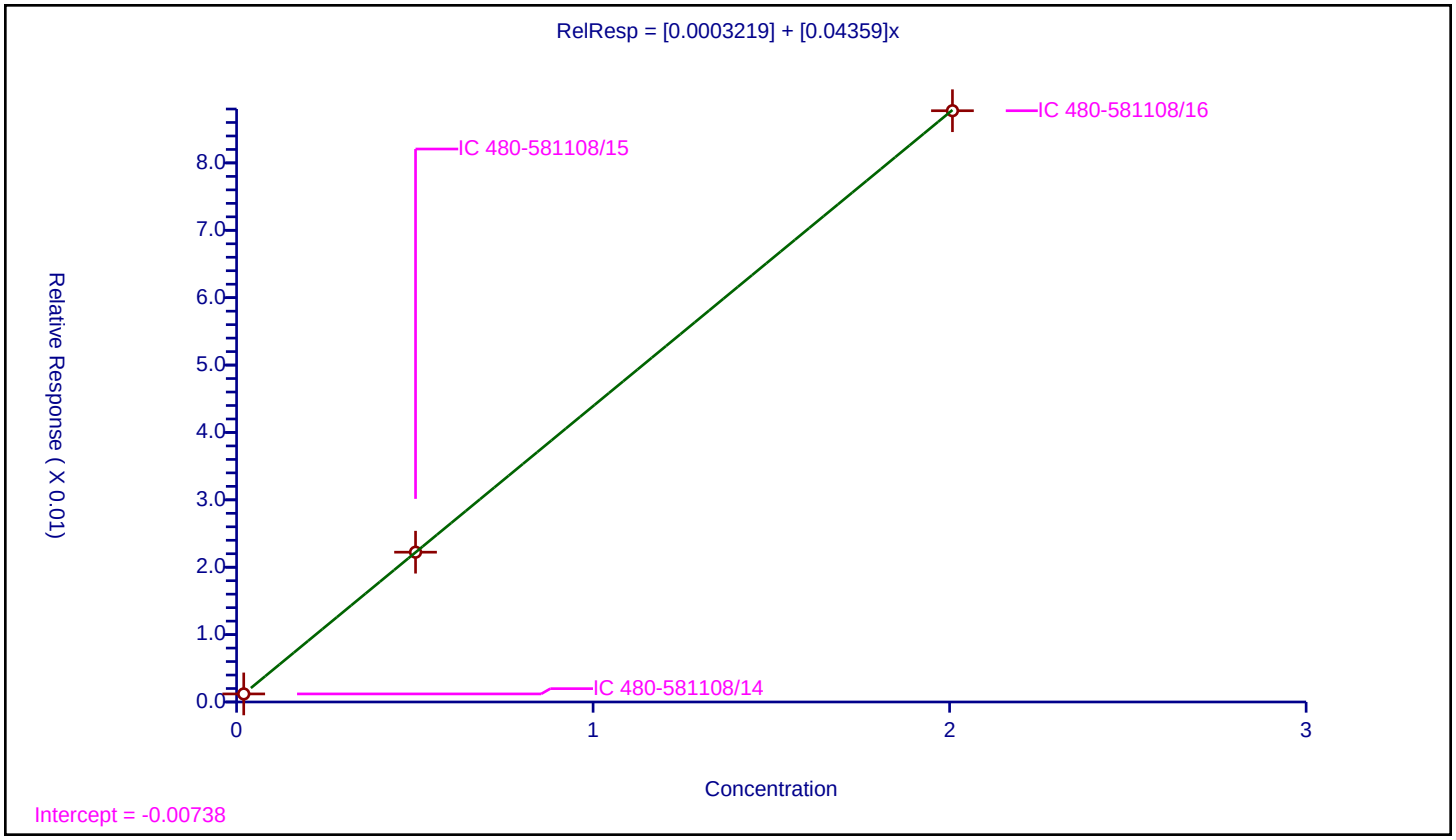
Curve Coefficients

Intercept:	0.0003219
Slope:	0.04359

Error Coefficients

Standard Error:	2080000
Relative Standard Error:	0.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/14	0.02008	0.001197	0.5	11591916.0	0.059618	Y
2	IC 480-581108/15	0.502	0.022231	0.5	11759612.0	0.044284	Y
3	IC 480-581108/16	2.008	0.087745	0.5	11442852.0	0.043698	Y



Calibration / PCB-1254 Peak 2

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

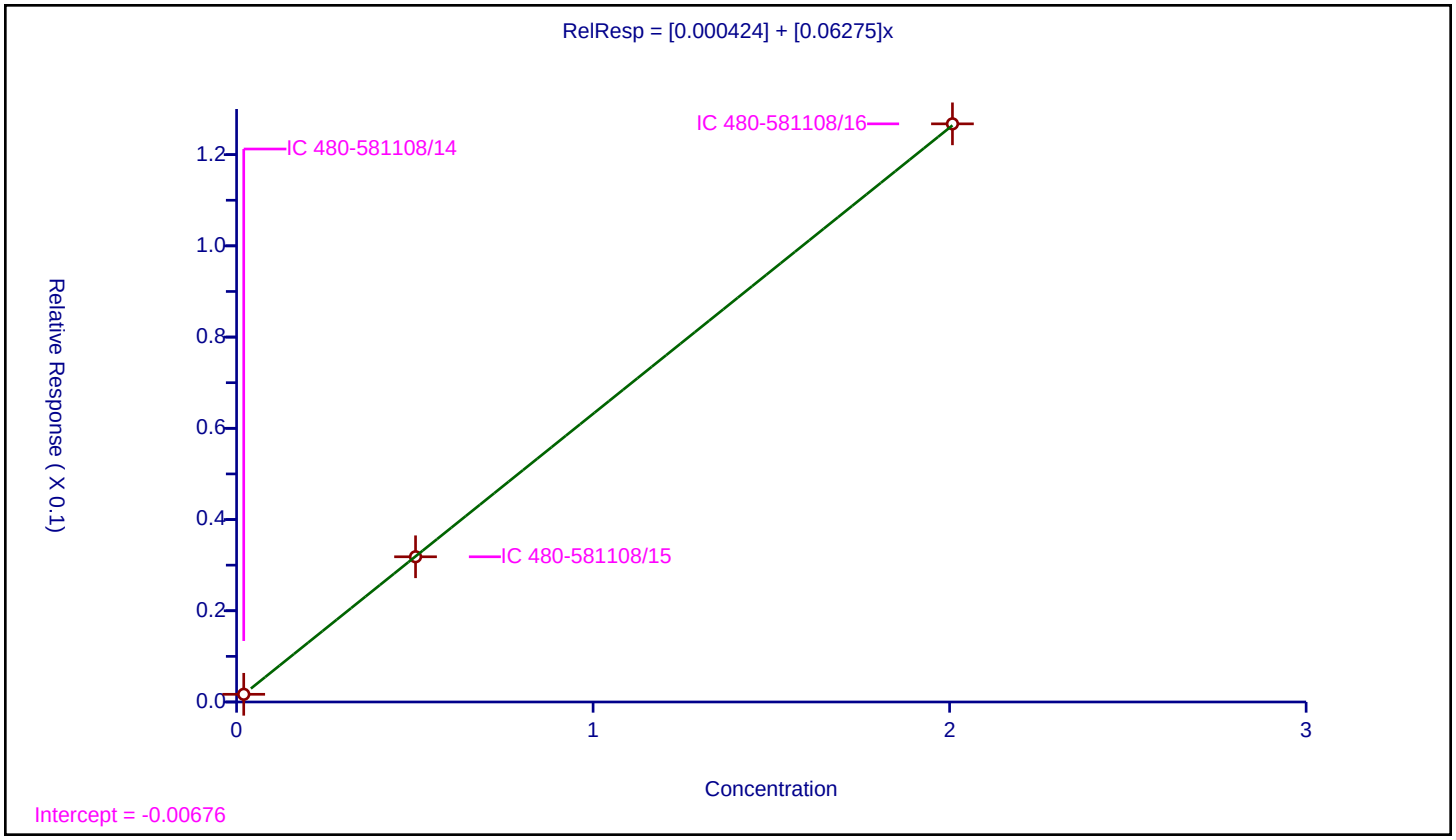
Curve Coefficients

Intercept:	0.000424
Slope:	0.06275

Error Coefficients

Standard Error:	3000000
Relative Standard Error:	0.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/14	0.02008	0.001684	0.5	11591916.0	0.083868	Y
2	IC 480-581108/15	0.502	0.031837	0.5	11759612.0	0.06342	Y
3	IC 480-581108/16	2.008	0.126752	0.5	11442852.0	0.063123	Y



Calibration / PCB-1254 Peak 3

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

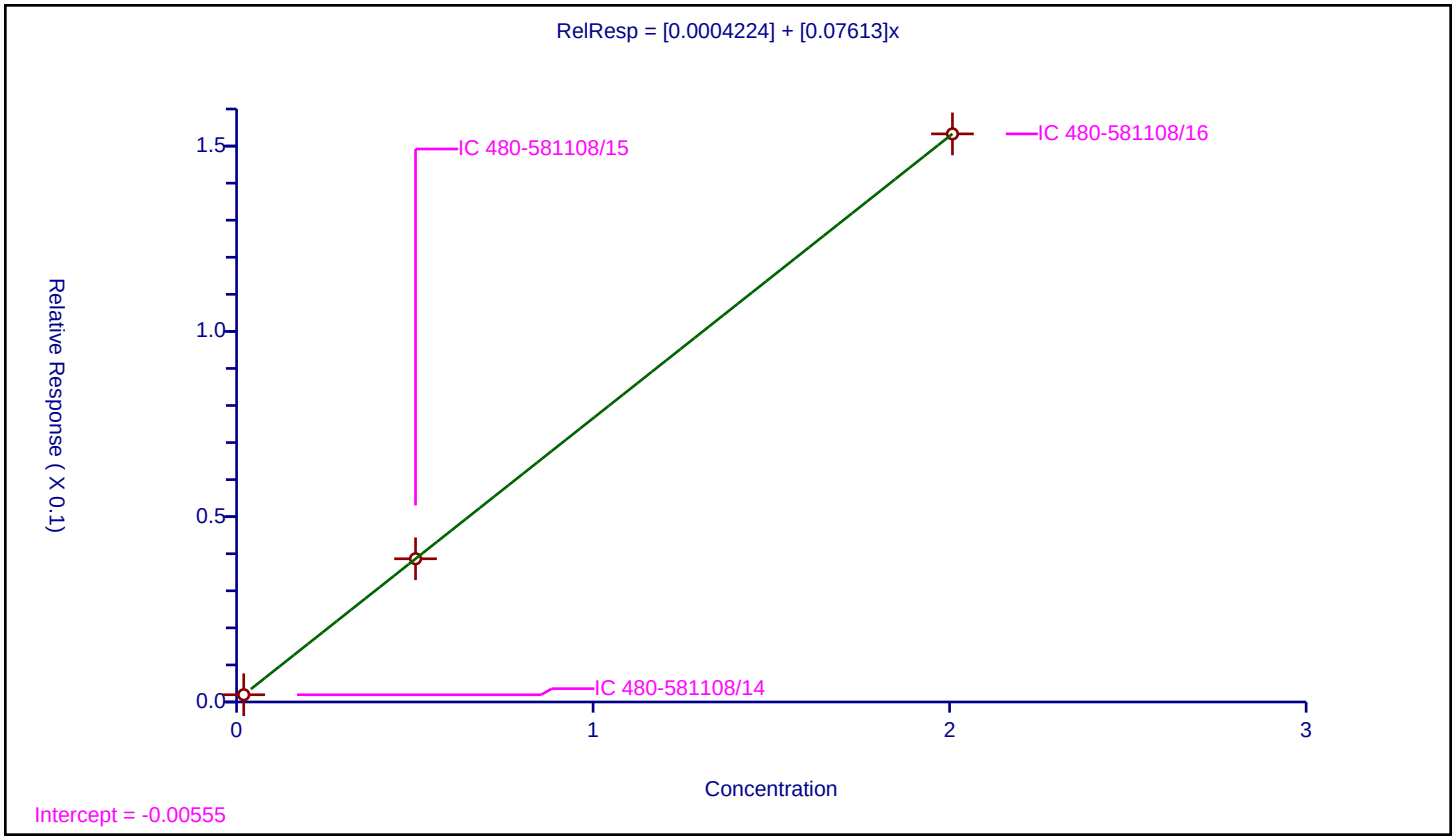
Curve Coefficients

Intercept:	0.0004224
Slope:	0.07613

Error Coefficients

Standard Error:	3620000
Relative Standard Error:	0.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/14	0.02008	0.001951	0.5	11591916.0	0.097171	Y
2	IC 480-581108/15	0.502	0.038644	0.5	11759612.0	0.076981	Y
3	IC 480-581108/16	2.008	0.153284	0.5	11442852.0	0.076337	Y



Calibration / PCB-1254 Peak 4

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

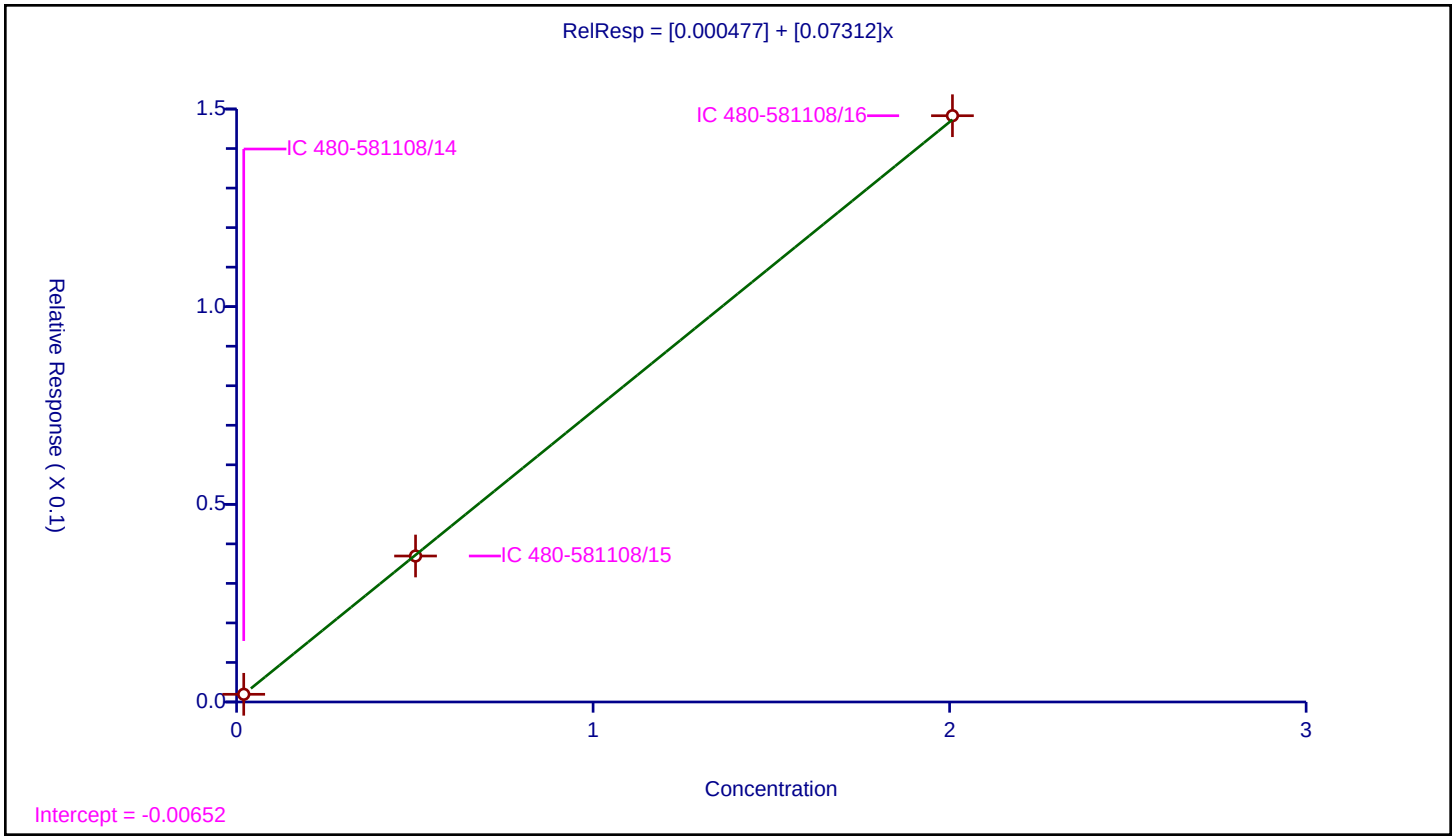
Curve Coefficients

Intercept:	0.000477
Slope:	0.07312

Error Coefficients

Standard Error:	3500000
Relative Standard Error:	1.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/14	0.02008	0.001946	0.5	11591916.0	0.096894	Y
2	IC 480-581108/15	0.502	0.036926	0.5	11759612.0	0.073558	Y
3	IC 480-581108/16	2.008	0.148308	0.5	11442852.0	0.073858	Y



Calibration / PCB-1254 Peak 5

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

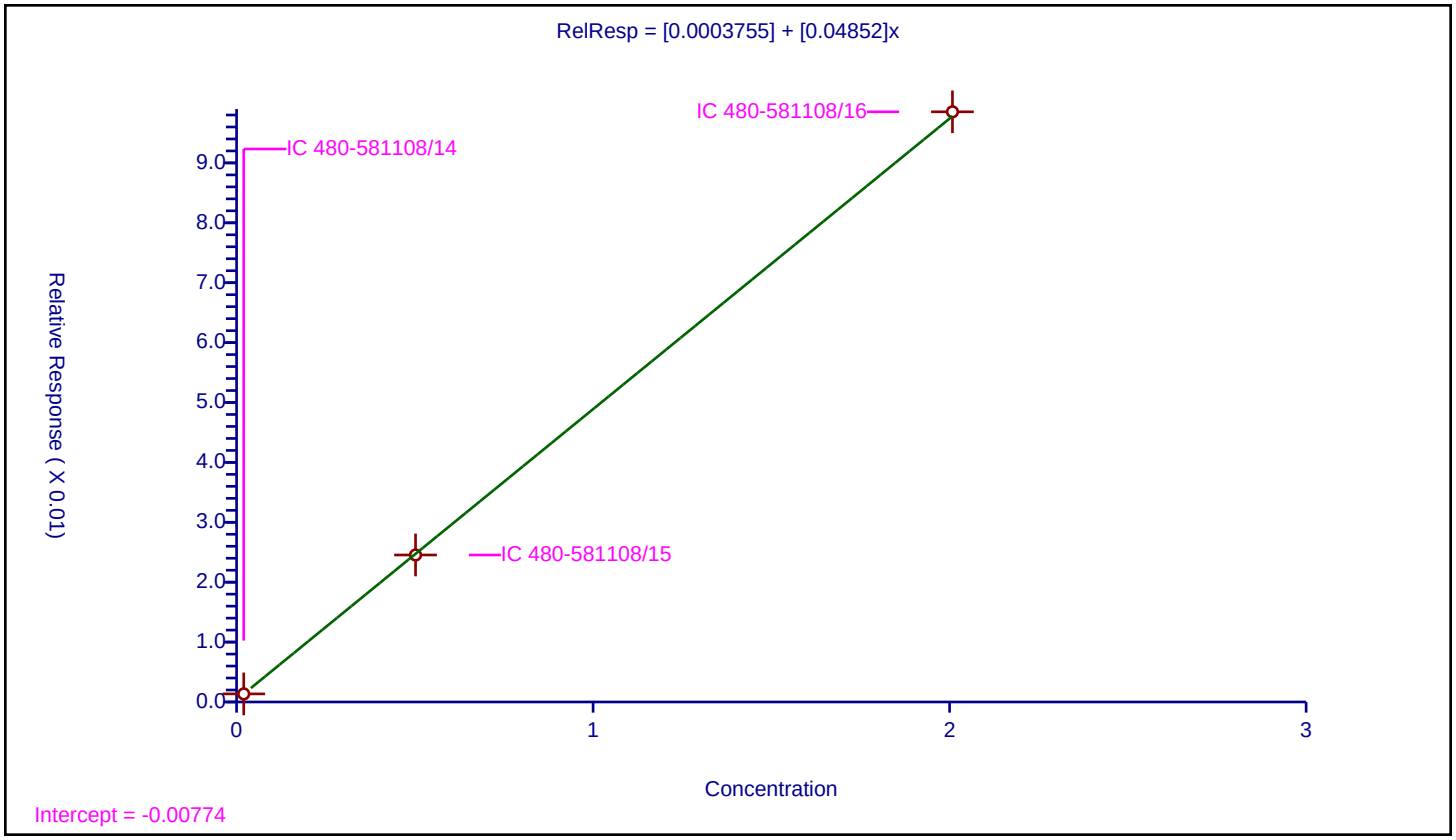
Curve Coefficients

Intercept:	0.0003755
Slope:	0.04852

Error Coefficients

Standard Error:	2330000
Relative Standard Error:	1.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/14	0.02008	0.00135	0.5	11591916.0	0.067229	Y
2	IC 480-581108/15	0.502	0.024542	0.5	11759612.0	0.048888	Y
3	IC 480-581108/16	2.008	0.098531	0.5	11442852.0	0.049069	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 581108

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/14/2021 21:25 Calibration End Date: 05/14/2021 21:56 Calibration ID: 41834

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-581108/14	7_97-026.D
Level 2	IC 480-581108/15	7_97-027.D
Level 3	IC 480-581108/16	7_97-028.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3				B	M1	M2								
PCB-1221 Peak 1	0.0116	0.0075	0.0069			Lin1	0.0001	0.0069				6.6			0.9990		0.9900
PCB-1221 Peak 2	0.0185	0.0124	0.0118			Lin1	0.0001	0.0118				3.4			1.0000		0.9900
PCB-1221 Peak 3	0.0108	0.0076	0.0070			Lin1	0.0001	0.0070				6.9			0.9990		0.9900
PCB-1221 Peak 4	0.0337	0.0244	0.0231			Lin1	0.0002	0.0232				4.1			1.0000		0.9900
PCB-1254 Peak 1	0.0647	0.0534	0.0548			Lin2	0.0002	0.0538				2.3			1.0000		0.9900
PCB-1254 Peak 2	0.0428	0.0365	0.0381			Lin2	0.0001	0.0371				3.4			0.9990		0.9900
PCB-1254 Peak 3	0.0870	0.0758	0.0782			Lin2	0.0002	0.0768				2.5			1.0000		0.9900
PCB-1254 Peak 4	0.0627	0.0522	0.0541			Lin2	0.0002	0.0530				2.9			1.0000		0.9900
PCB-1254 Peak 5	0.0625	0.0530	0.0560			Lin2	0.0002	0.0543				4.2			0.9990		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 581108

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/14/2021 21:25 Calibration End Date: 05/14/2021 21:56 Calibration ID: 41834

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-581108/14	7_97-026.D
Level 2	IC 480-581108/15	7_97-027.D
Level 3	IC 480-581108/16	7_97-028.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
PCB-1221 Peak 1	BNB	Lin1	5183	84195	299618			0.0199	0.498	1.99		
PCB-1221 Peak 2	BNB	Lin1	8254	139568	513572			0.0199	0.498	1.99		
PCB-1221 Peak 3	BNB	Lin1	4828	84902	302628			0.0199	0.498	1.99		
PCB-1221 Peak 4	BNB	Lin1	15026	273442	1002580			0.0199	0.498	1.99		
PCB-1254 Peak 1	BNB	Lin2	29037	604109	2397662			0.0201	0.502	2.01		
PCB-1254 Peak 2	BNB	Lin2	19205	412542	1666781			0.0201	0.502	2.01		
PCB-1254 Peak 3	BNB	Lin2	39028	857235	3422325			0.0201	0.502	2.01		
PCB-1254 Peak 4	BNB	Lin2	28124	591119	2369204			0.0201	0.502	2.01		
PCB-1254 Peak 5	BNB	Lin2	28057	599420	2448810			0.0201	0.502	2.01		

Curve Type Legend

Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-026.D
Lims ID: IC level 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 14-May-2021 21:25:06 ALS Bottle#: 0 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub7

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2021 13:21:30 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1602

First Level Reviewer: schickr Date: 15-May-2021 13:07:45

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.824	1.824	0.000	11591916	0.5000	0.5000	
2	2.015	2.015	0.000	11175444	0.5000	0.5000	
						RPD = 0.00	
2 PCB-1221							
1	2.319	2.319	0.000	5256	0.0199	0.0185	
1	2.947	2.947	0.000	8710	0.0199	0.0191	
1	3.027	3.027	0.000	4832	0.0199	0.0183	
1	3.078	3.078	0.000	19228	0.0199	0.0192	
		Average of Peak Amounts =				0.0188	
2	2.429	2.429	0.000	5183	0.0199	0.0191	
2	3.050	3.050	0.000	8254	0.0199	0.0195	
2	3.170	3.170	0.000	4828	0.0199	0.0191	
2	3.227	3.227	0.000	15026	0.0199	0.0194	
		Average of Peak Amounts =				0.0193	
						RPD = 2.78	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
6 PCB-1254							M
1	4.609	4.609	0.000	27754	0.0201	0.0201	M
1	4.783	4.783	0.000	39043	0.0201	0.0201	M
1	5.103	5.103	0.000	45236	0.0201	0.0201	M
1	5.306	5.306	0.000	45107	0.0201	0.0201	M
1	5.542	5.542	0.000	31297	0.0201	0.0201	M
		Average of Peak Amounts =				0.0201	
2	4.885	4.885	0.000	29037	0.0201	0.0201	
2	5.217	5.217	0.000	19205	0.0201	0.0201	
2	5.309	5.309	0.000	39028	0.0201	0.0201	
2	5.439	5.439	0.000	28124	0.0201	0.0201	
2	5.945	5.945	0.000	28057	0.0201	0.0201	
		Average of Peak Amounts =				0.0201	
						RPD = 0.06	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

21-54w/IS@.02_00023 Amount Added: 1.00 Units: mL

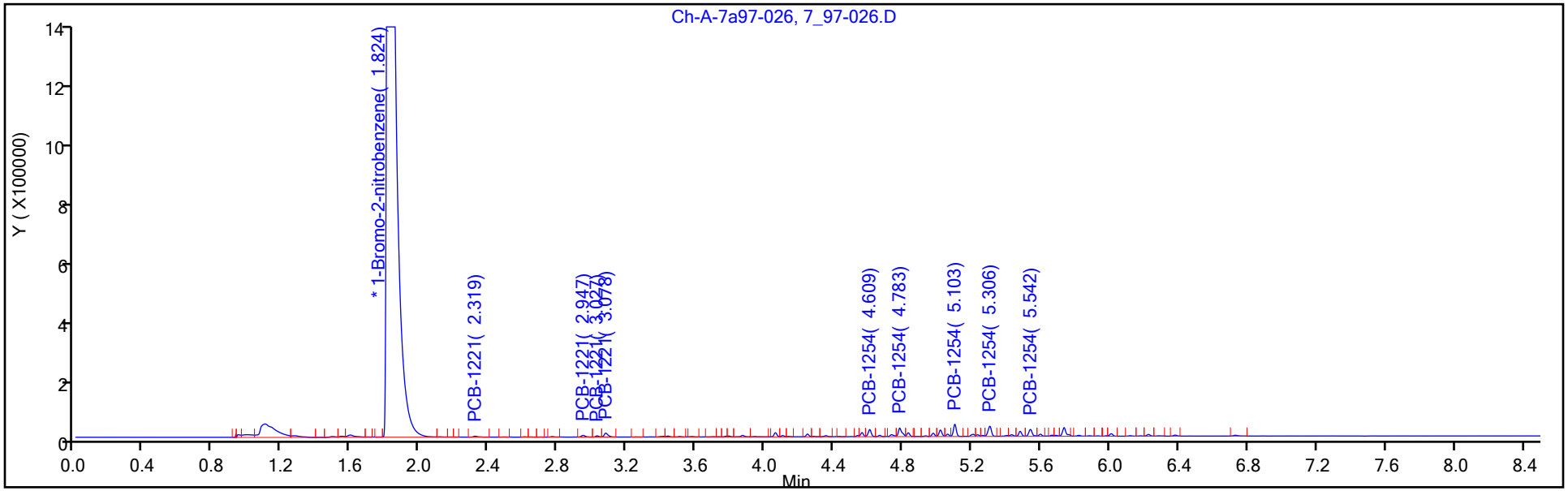
Report Date: 15-May-2021 13:21:31 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

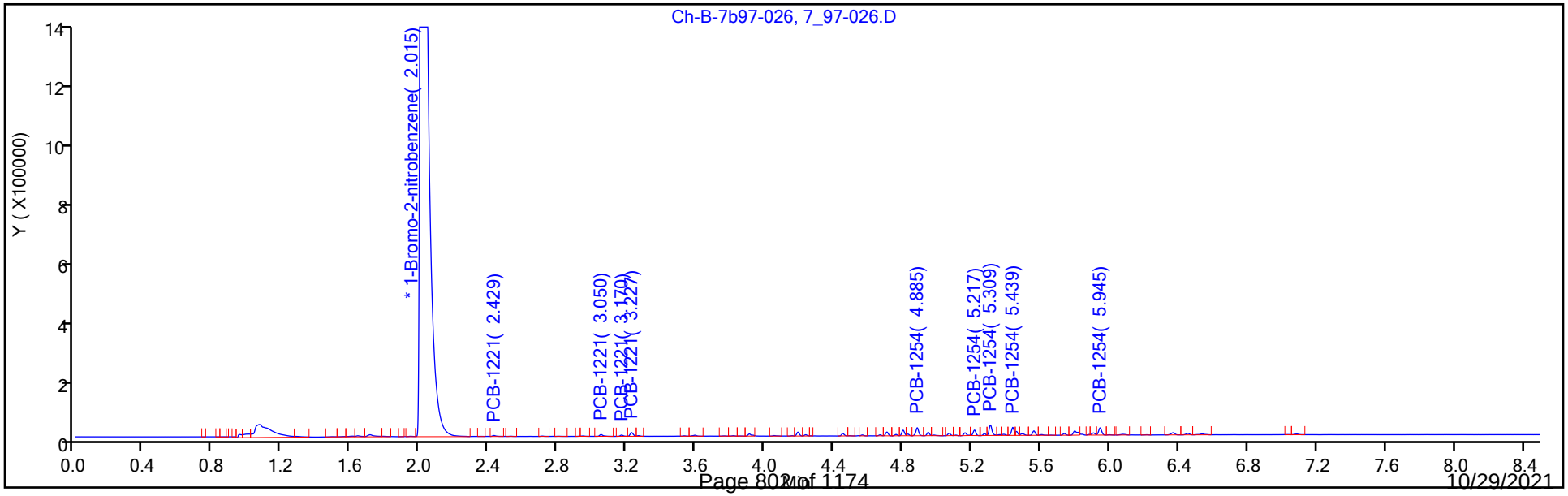
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-026.D

Injection Date:	14-May-2021 21:25:06	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC level 1			Worklist Smp#:	14
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-027.D
Lims ID: IC level 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 14-May-2021 21:40:49 ALS Bottle#: 0 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub7

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2021 13:21:32 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1602

First Level Reviewer: schickr Date: 15-May-2021 12:43:21

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.825	1.825	0.000	11759612	0.5000	0.5000	
2	2.015	2.015	0.000	11270326	0.5000	0.5000	
						RPD = 0.00	
2 PCB-1221							
1	2.320	2.320	0.000	89156	0.4980	0.5446	
1	2.948	2.948	0.000	145453	0.4980	0.5240	
1	3.028	3.028	0.000	86825	0.4980	0.5523	
1	3.078	3.078	0.000	336393	0.4980	0.5230	
		Average of Peak Amounts =				0.5360	
2	2.428	2.428	0.000	84195	0.4980	0.5239	
2	3.050	3.050	0.000	139568	0.4980	0.5113	
2	3.169	3.169	0.000	84902	0.4980	0.5247	
2	3.227	3.227	0.000	273442	0.4980	0.5141	
		Average of Peak Amounts =				0.5185	
						RPD = 3.32	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
6 PCB-1254							M
1	4.610	4.610	0.000	522851	0.5020	0.5026	M
1	4.783	4.783	0.000	748772	0.5020	0.5006	M
1	5.103	5.103	0.000	908883	0.5020	0.5020	M
1	5.307	5.307	0.000	868469	0.5020	0.4985	M
1	5.541	5.541	0.000	577199	0.5020	0.4981	M
		Average of Peak Amounts =				0.5004	
2	4.885	4.885	0.000	604109	0.5020	0.4938	M
2	5.217	5.217	0.000	412542	0.5020	0.4896	M
2	5.309	5.309	0.000	857235	0.5020	0.4928	M
2	5.439	5.439	0.000	591119	0.5020	0.4914	M
2	5.946	5.946	0.000	599420	0.5020	0.4868	M
		Average of Peak Amounts =				0.4909	
						RPD = 1.91	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

21-54w/IS@0.5_00087 Amount Added: 1.00 Units: mL

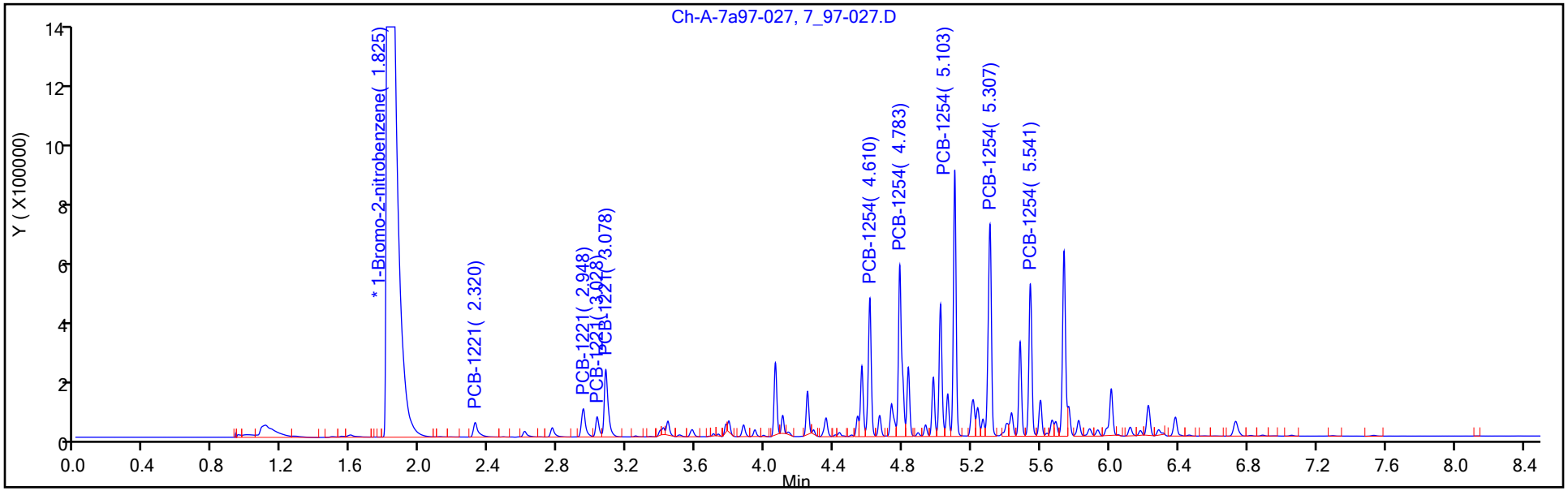
Report Date: 15-May-2021 13:21:32 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

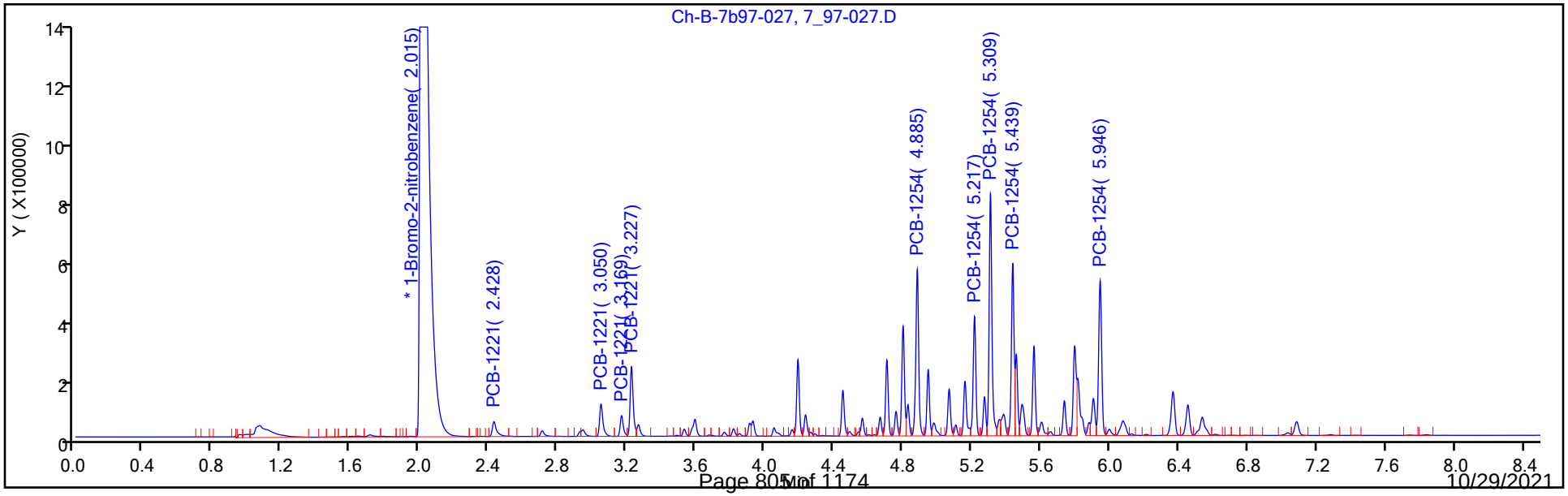
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-027.D

Injection Date:	14-May-2021 21:40:49	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC level 2			Worklist Smp#:	15
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 15-May-2021 13:21:32 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-027.D

Injection Date: 14-May-2021 21:40:49 Instrument ID: HP6890-7

Lims ID: IC level 2

Client ID:

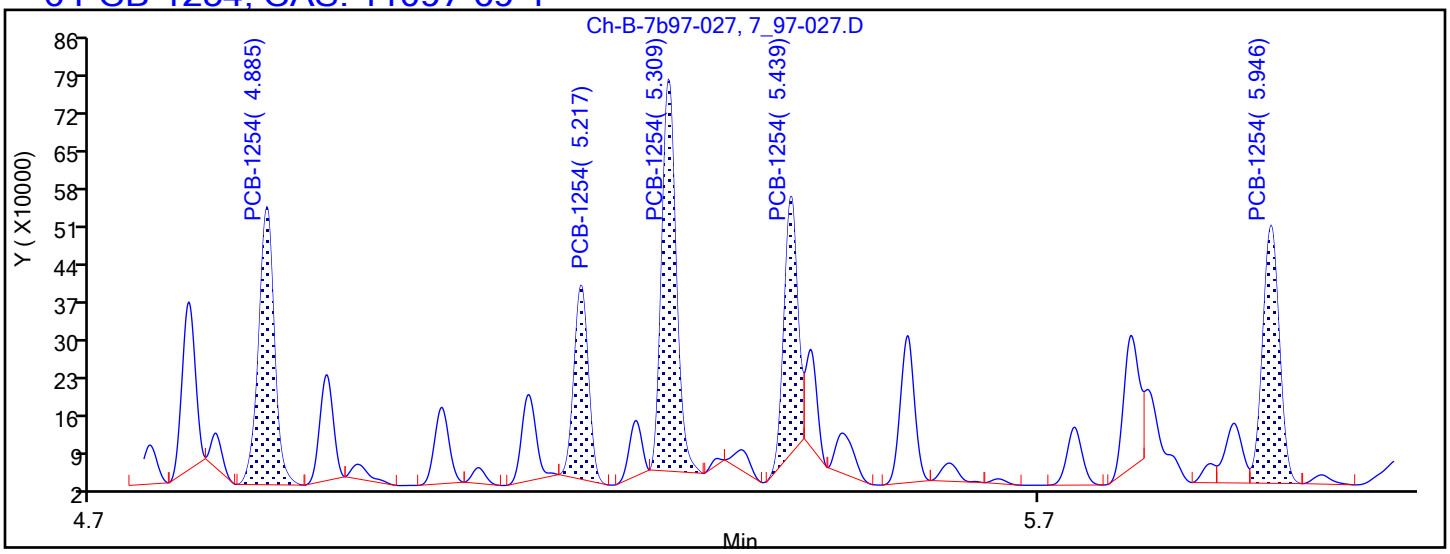
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 15

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

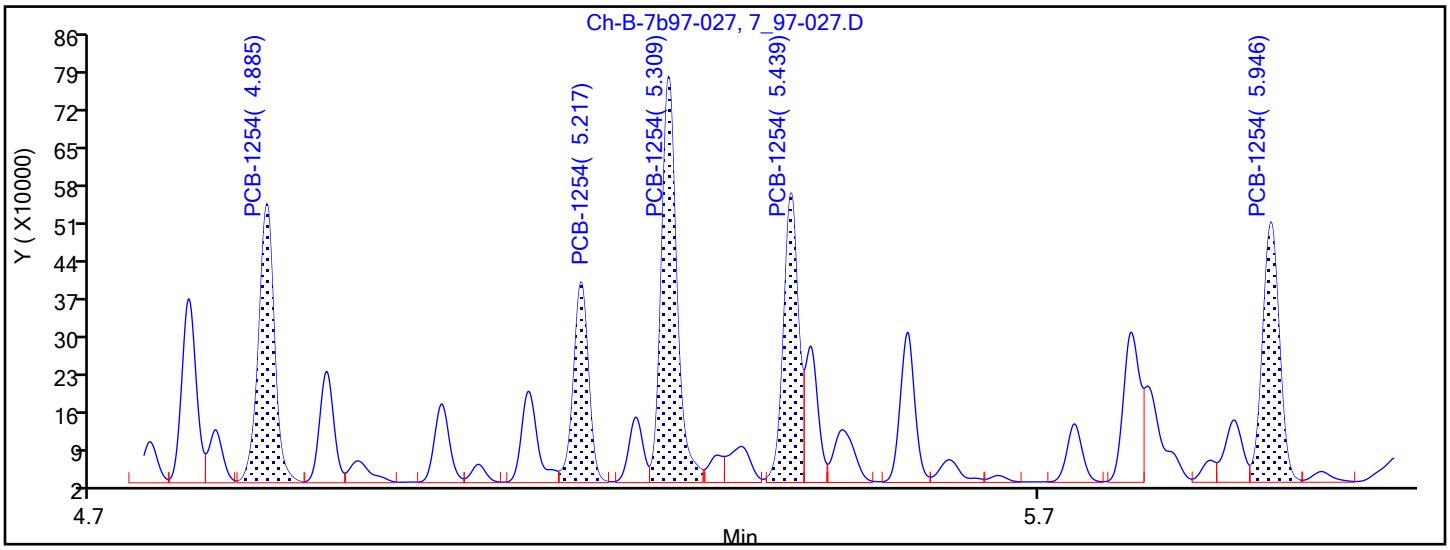
Column: ZB-35 (0.53 mm) Detector Ch-B-7b136

6 PCB-1254, CAS: 11097-69-1



Processing Integration Results

4.885	Response = 593521
5.217	Response = 376575
5.309	Response = 767062
5.439	Response = 477925
5.946	Response = 585635



Manual Integration Results

4.885	Response = 604109	M
5.217	Response = 412542	M
5.309	Response = 857235	M
5.439	Response = 591119	M
5.946	Response = 599420	M

Reviewer: schickr, 15-May-2021 13:08:19

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-028.D
Lims ID: IC level 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 14-May-2021 21:56:49 ALS Bottle#: 0 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub7

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2021 13:21:33 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1602

First Level Reviewer: schickr Date: 15-May-2021 13:09:21

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.825	1.825	0.000	11442852	0.5000	0.5000	
2	2.015	2.015	0.000	10895282	0.5000	0.5000	
						RPD = 0.00	
2 PCB-1221							
1	2.321	2.320	0.001	304163	1.99	1.95	
1	2.948	2.948	0.000	521425	1.99	1.97	
1	3.029	3.028	0.001	291514	1.99	1.94	
1	3.079	3.078	0.001	1211443	1.99	1.97	
		Average of Peak Amounts =				1.96	
2	2.429	2.428	0.001	299618	1.99	1.97	
2	3.050	3.050	0.000	513572	1.99	1.98	
2	3.169	3.169	0.000	302628	1.99	1.97	
2	3.227	3.227	0.000	1002580	1.99	1.98	
		Average of Peak Amounts =				1.97	
						RPD = 0.86	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
6 PCB-1254							M
1	4.611	4.610	0.001	2008105	2.01	2.01	
1	4.785	4.783	0.002	2900807	2.01	2.01	
1	5.105	5.103	0.003	3508017	2.01	2.01	
1	5.308	5.307	0.001	3394122	2.01	2.02	
1	5.543	5.541	0.002	2254945	2.01	2.02	
		Average of Peak Amounts =				2.01	
2	4.886	4.885	0.001	2397662	2.01	2.04	M
2	5.218	5.217	0.001	1666781	2.01	2.06	M
2	5.310	5.309	0.001	3422325	2.01	2.04	M
2	5.439	5.439	0.000	2369204	2.01	2.05	M
2	5.947	5.946	0.001	2448810	2.01	2.07	M
		Average of Peak Amounts =				2.05	
						RPD = 1.81	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

21-54w/IS@2.0_00025 Amount Added: 1.00 Units: mL

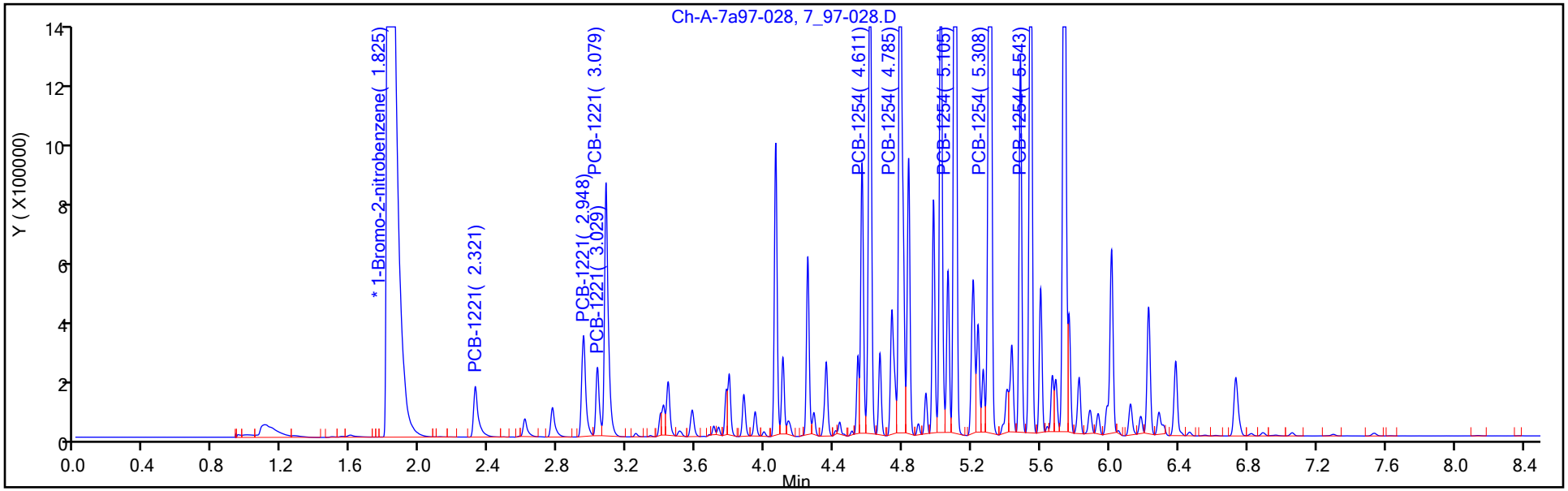
Report Date: 15-May-2021 13:21:34 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

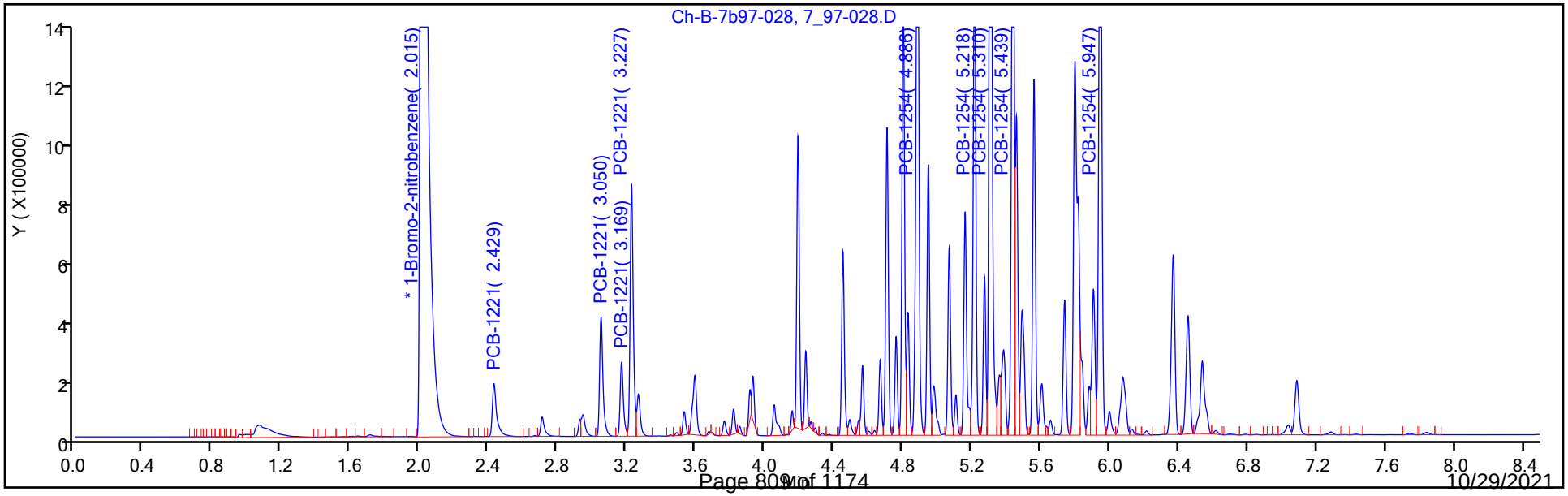
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-028.D

Injection Date:	14-May-2021 21:56:49	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC level 3			Worklist Smp#:	16
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value

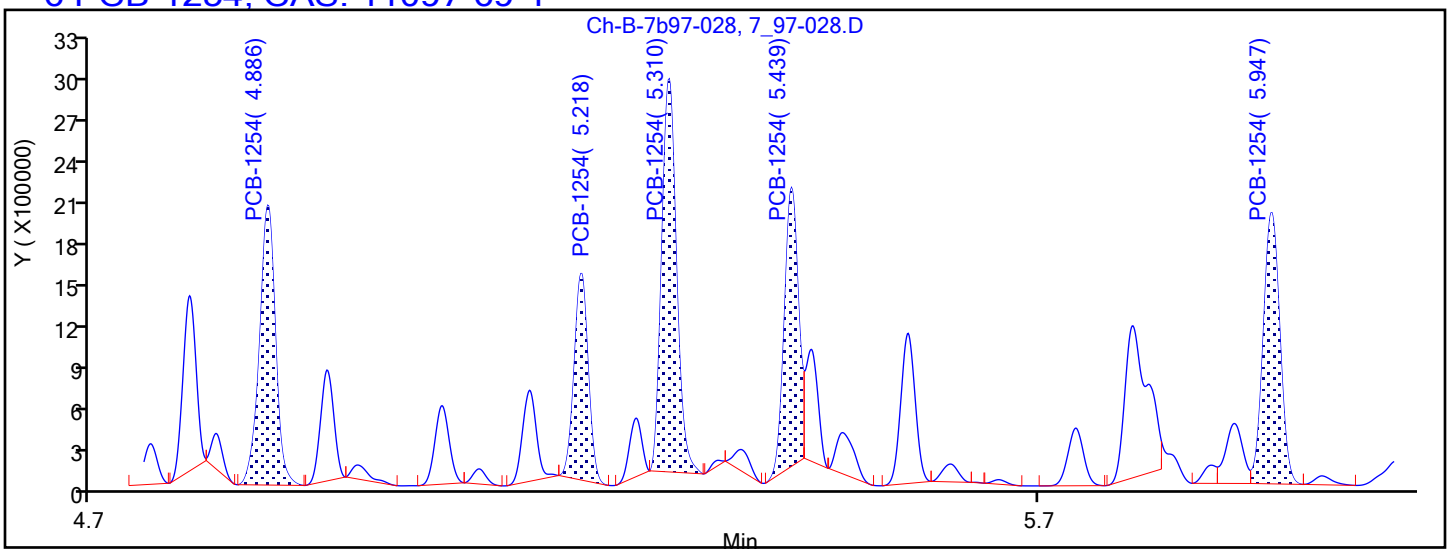


Report Date: 15-May-2021 13:21:34 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

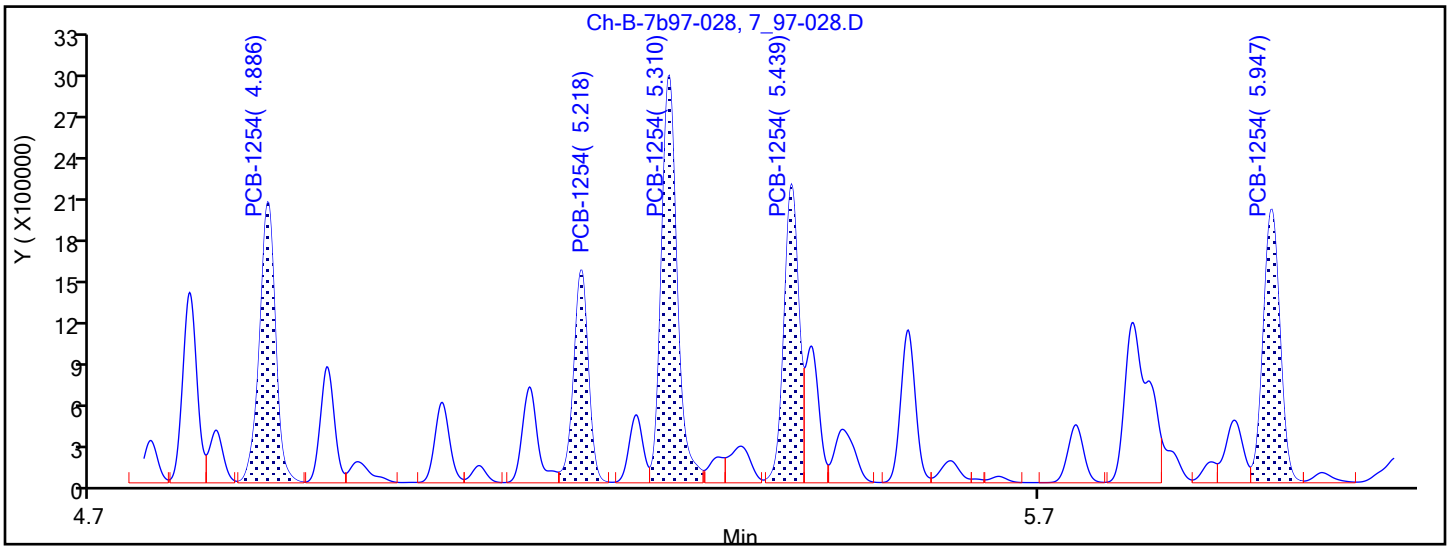
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-028.D
Injection Date: 14-May-2021 21:56:49 Instrument ID: HP6890-7
Lims ID: IC level 3
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL
Column: ZB-35 (0.53 mm) Detector Ch-B-7b136

6 PCB-1254, CAS: 11097-69-1



Processing Integration Results

4.886	Response = 2364842
5.218	Response = 1538313
5.310	Response = 3081927
5.439	Response = 2095292
5.947	Response = 2396513



Manual Integration Results

4.886	Response = 2397662	M
5.218	Response = 1666781	M
5.310	Response = 3422325	M
5.439	Response = 2369204	M
5.947	Response = 2448810	M

Reviewer: schickr, 15-May-2021 13:08:45
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Calibration / PCB-1221 Peak 1

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

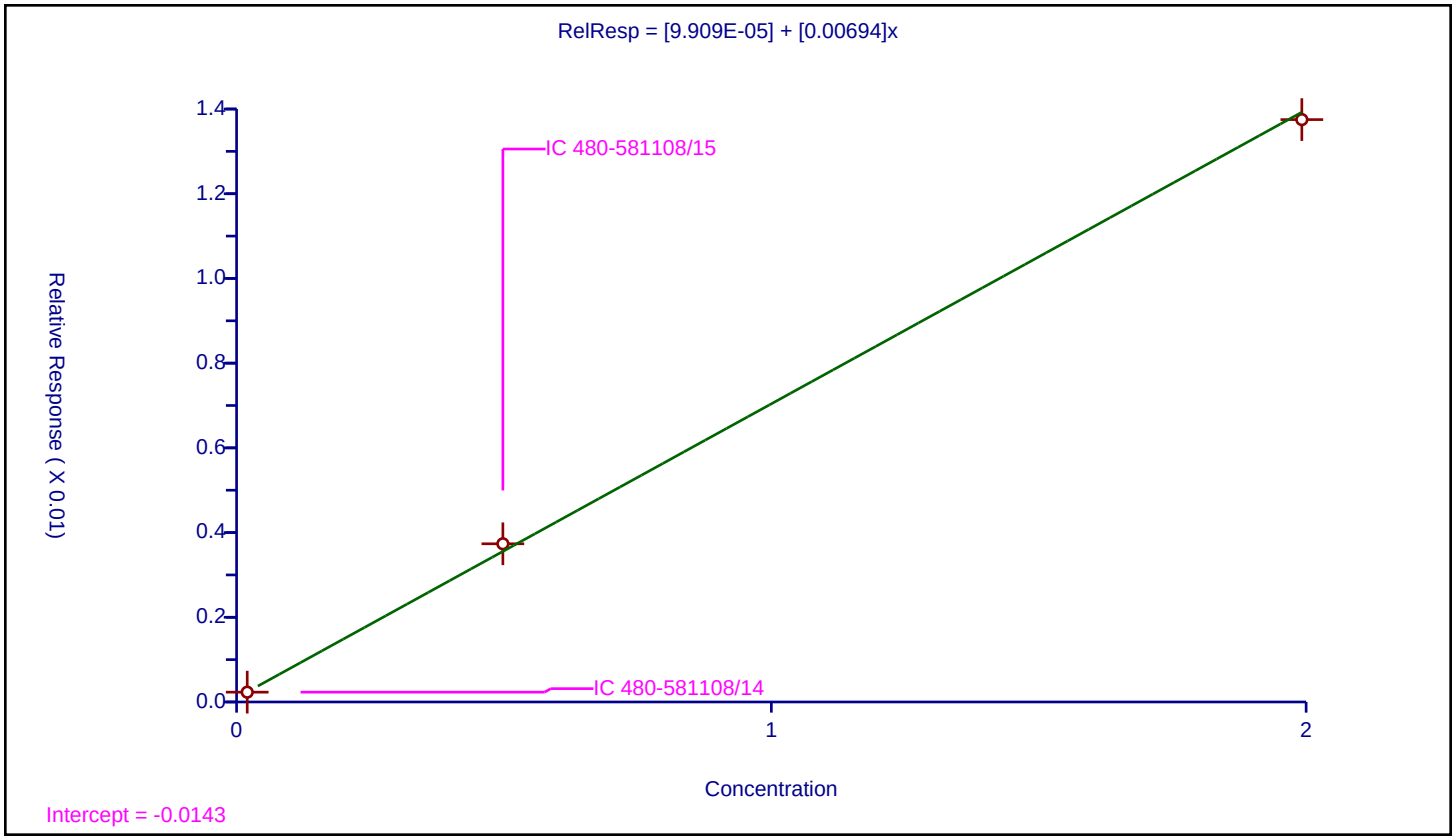
Curve Coefficients

Intercept:	9.909E-05
Slope:	0.00694

Error Coefficients

Standard Error:	311000
Relative Standard Error:	6.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/14	0.01992	0.000232	0.5	11175444.0	0.011641	Y
2	IC 480-581108/15	0.498	0.003735	0.5	11270326.0	0.007501	Y
3	IC 480-581108/16	1.992	0.01375	0.5	10895282.0	0.006903	Y



Calibration / PCB-1221 Peak 2

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

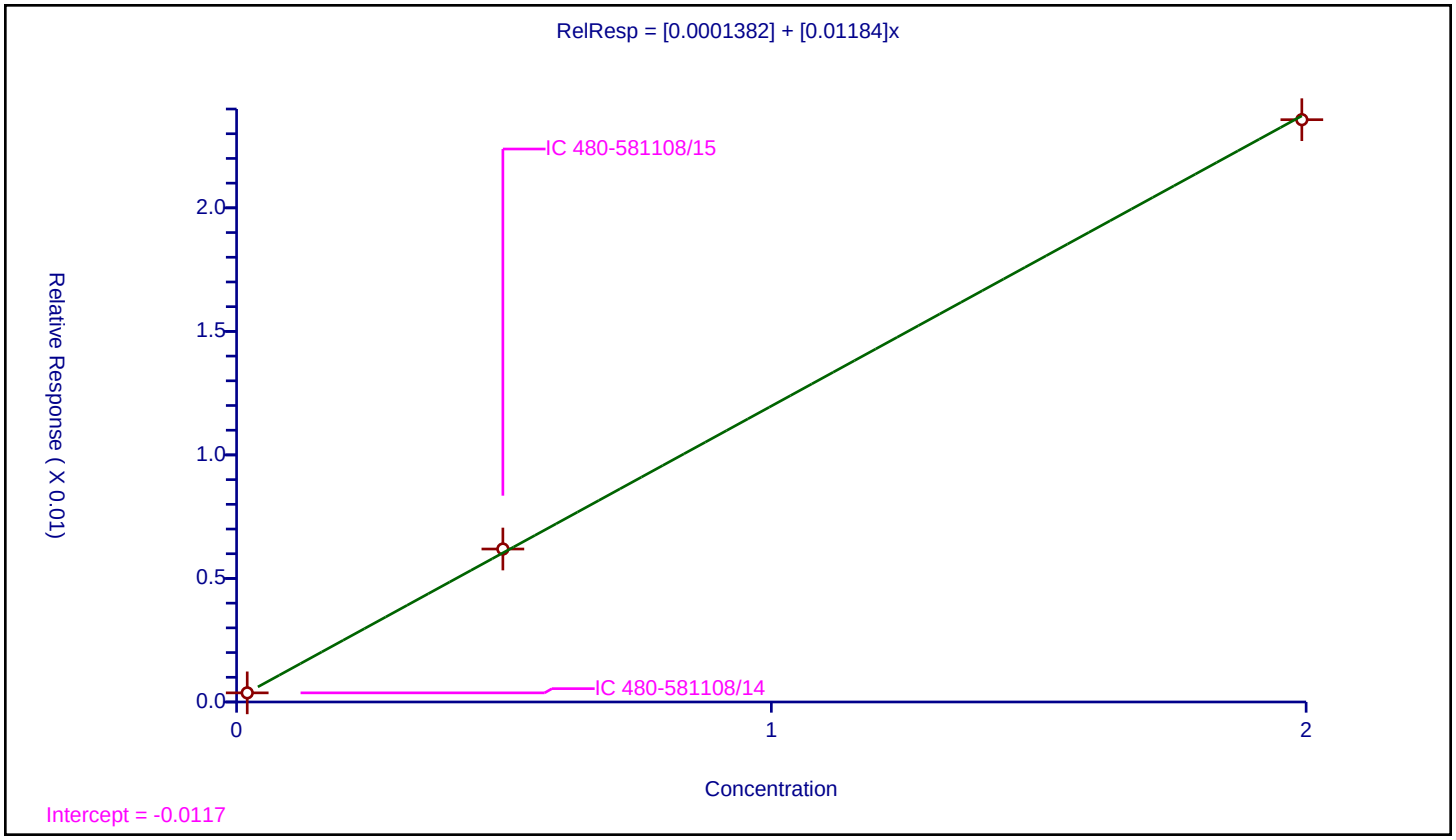
Curve Coefficients

Intercept:	0.0001382
Slope:	0.01184

Error Coefficients

Standard Error:	532000
Relative Standard Error:	3.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/14	0.01992	0.000369	0.5	11175444.0	0.018539	Y
2	IC 480-581108/15	0.498	0.006192	0.5	11270326.0	0.012433	Y
3	IC 480-581108/16	1.992	0.023569	0.5	10895282.0	0.011832	Y



Calibration / PCB-1221 Peak 3

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

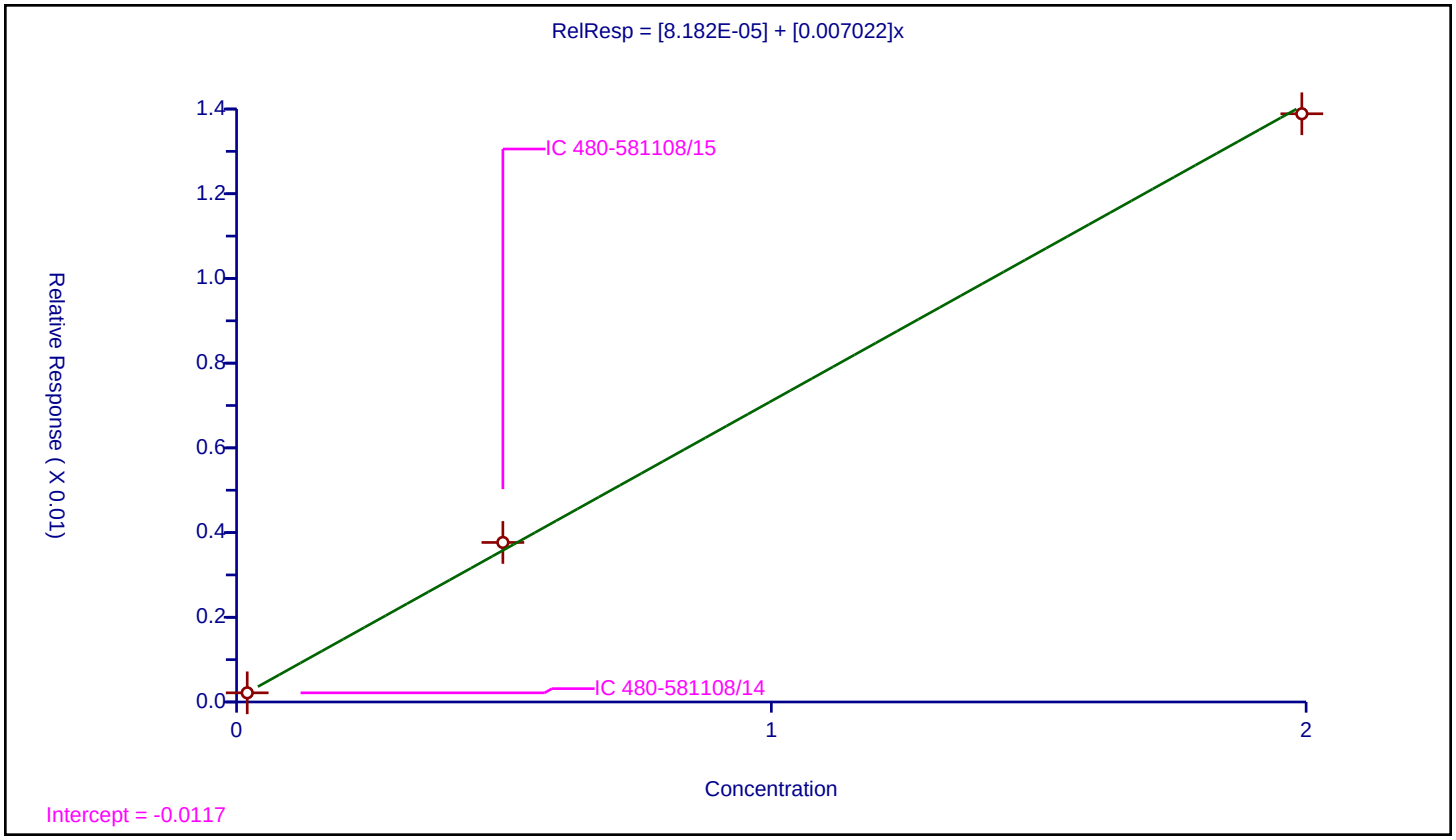
Curve Coefficients

Intercept:	8.182E-05
Slope:	0.007022

Error Coefficients

Standard Error:	314000
Relative Standard Error:	6.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/14	0.01992	0.000216	0.5	11175444.0	0.010844	Y
2	IC 480-581108/15	0.498	0.003767	0.5	11270326.0	0.007563	Y
3	IC 480-581108/16	1.992	0.013888	0.5	10895282.0	0.006972	Y



Calibration / PCB-1221 Peak 4

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

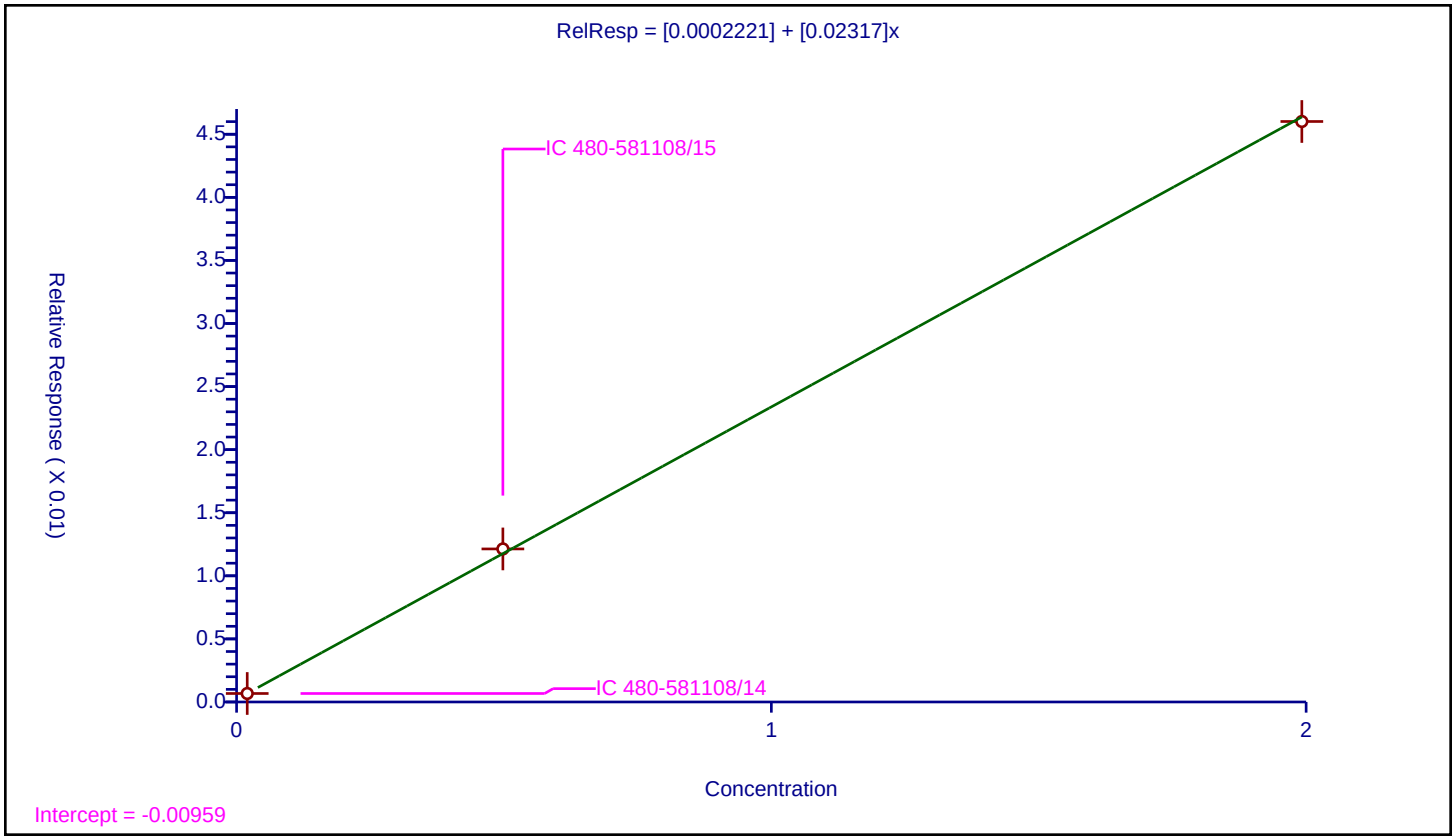
Curve Coefficients

Intercept:	0.0002221
Slope:	0.02317

Error Coefficients

Standard Error:	1040000
Relative Standard Error:	4.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/14	0.01992	0.000672	0.5	11175444.0	0.033749	Y
2	IC 480-581108/15	0.498	0.012131	0.5	11270326.0	0.02436	Y
3	IC 480-581108/16	1.992	0.04601	0.5	10895282.0	0.023097	Y



Calibration / PCB-1254 Peak 1

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

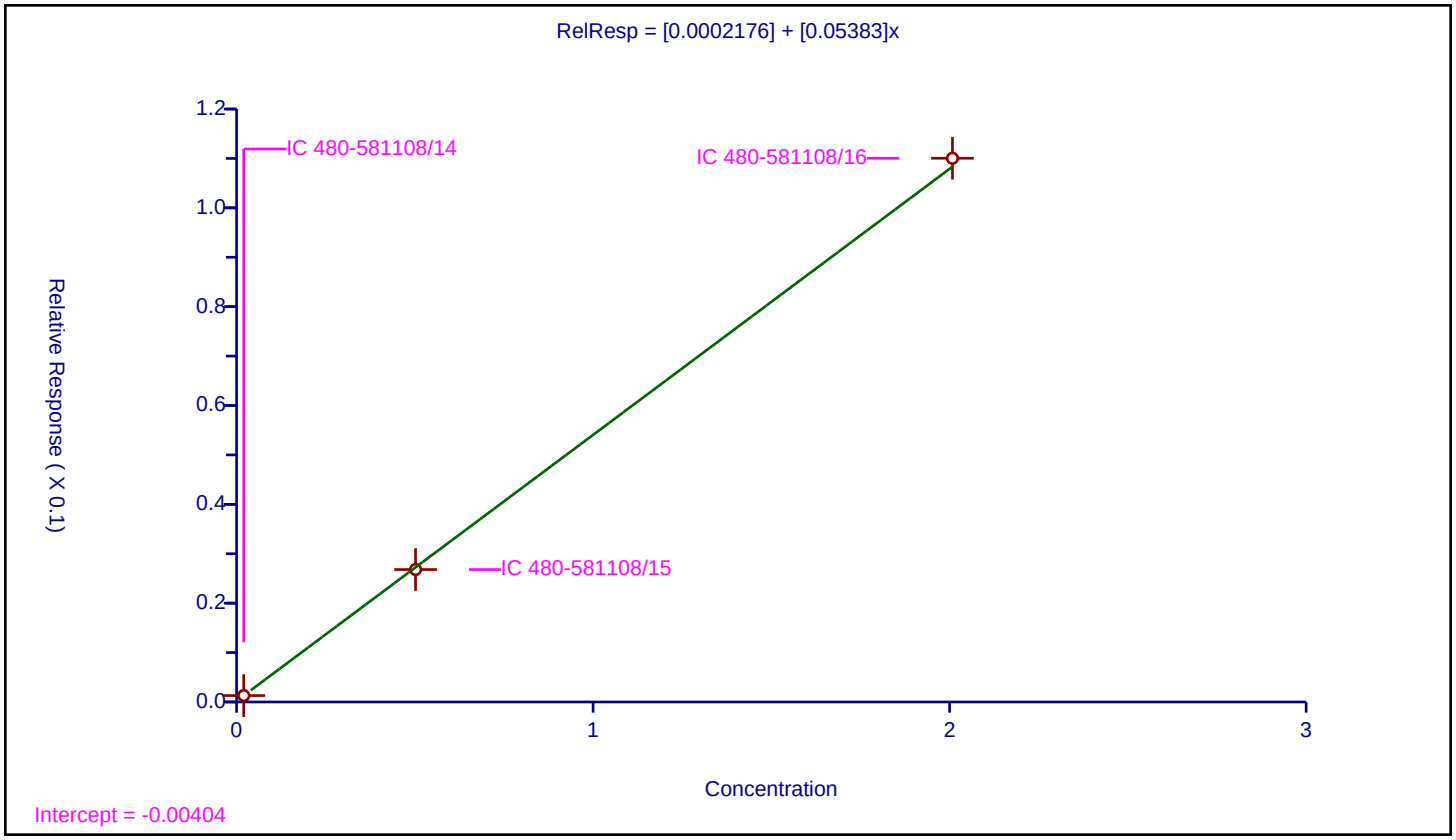
Curve Coefficients

Intercept:	0.0002176
Slope:	0.05383

Error Coefficients

Standard Error:	2470000
Relative Standard Error:	2.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/14	0.02008	0.001299	0.5	11175444.0	0.064698	Y
2	IC 480-581108/15	0.502	0.026801	0.5	11270326.0	0.053388	Y
3	IC 480-581108/16	2.008	0.110032	0.5	10895282.0	0.054797	Y



Calibration / PCB-1254 Peak 2

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

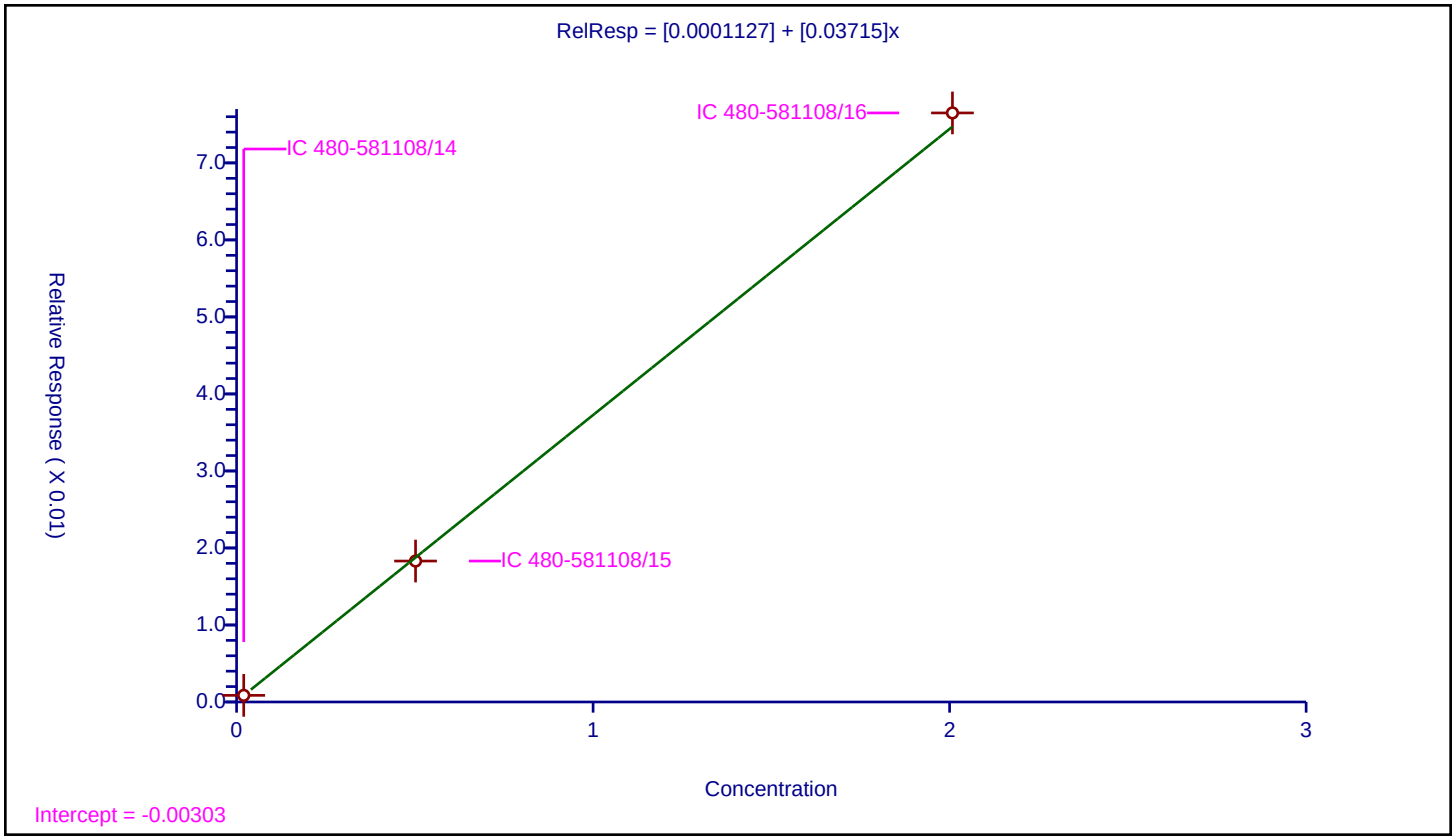
Curve Coefficients

Intercept:	0.0001127
Slope:	0.03715

Error Coefficients

Standard Error:	1720000
Relative Standard Error:	3.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/14	0.02008	0.000859	0.5	11175444.0	0.042791	Y
2	IC 480-581108/15	0.502	0.018302	0.5	11270326.0	0.036458	Y
3	IC 480-581108/16	2.008	0.076491	0.5	10895282.0	0.038093	Y



Calibration / PCB-1254 Peak 3

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

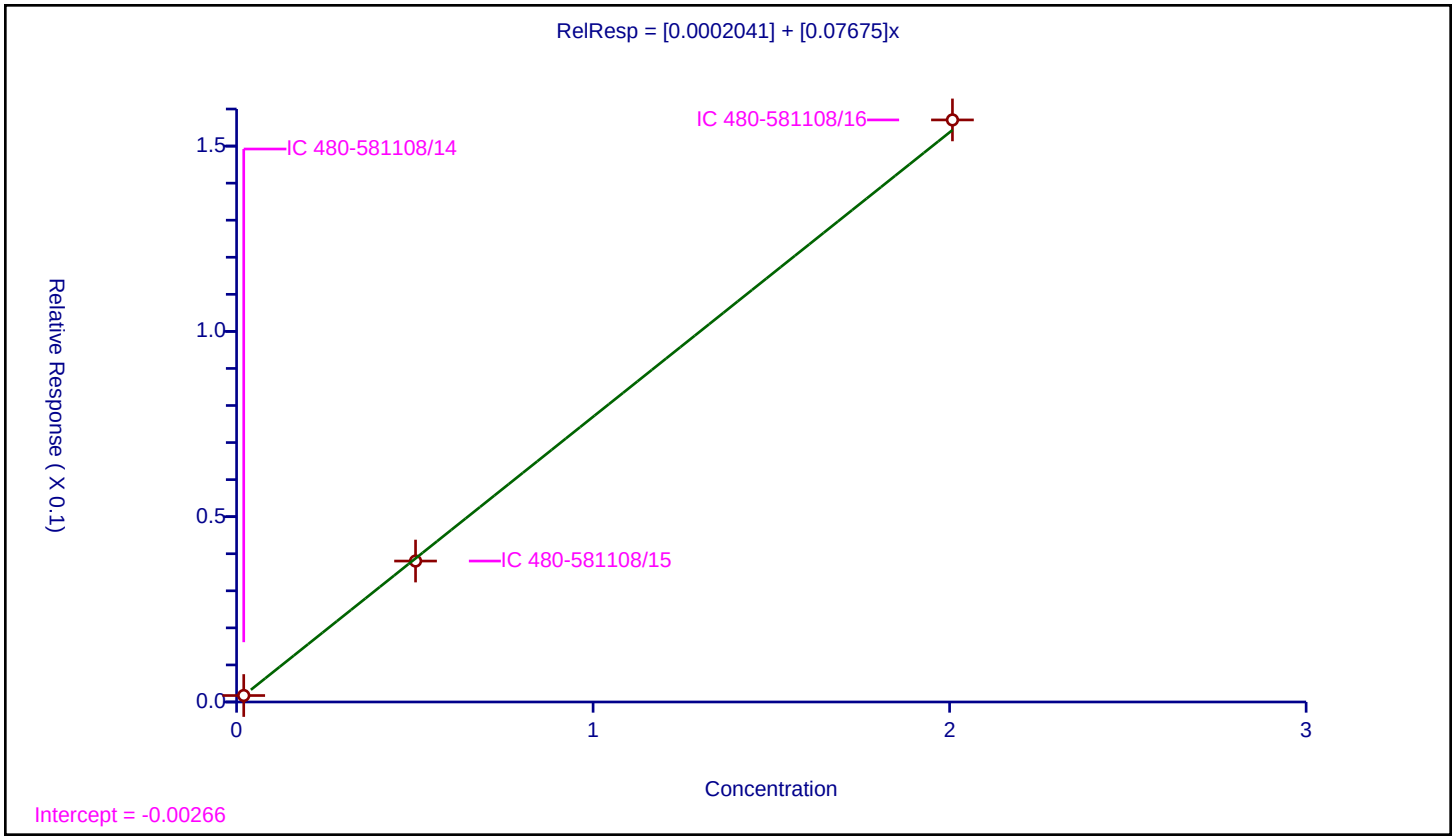
Curve Coefficients

Intercept:	0.0002041
Slope:	0.07675

Error Coefficients

Standard Error:	3530000
Relative Standard Error:	2.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/14	0.02008	0.001746	0.5	11175444.0	0.08696	Y
2	IC 480-581108/15	0.502	0.038031	0.5	11270326.0	0.075758	Y
3	IC 480-581108/16	2.008	0.157055	0.5	10895282.0	0.078215	Y



Calibration / PCB-1254 Peak 4

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

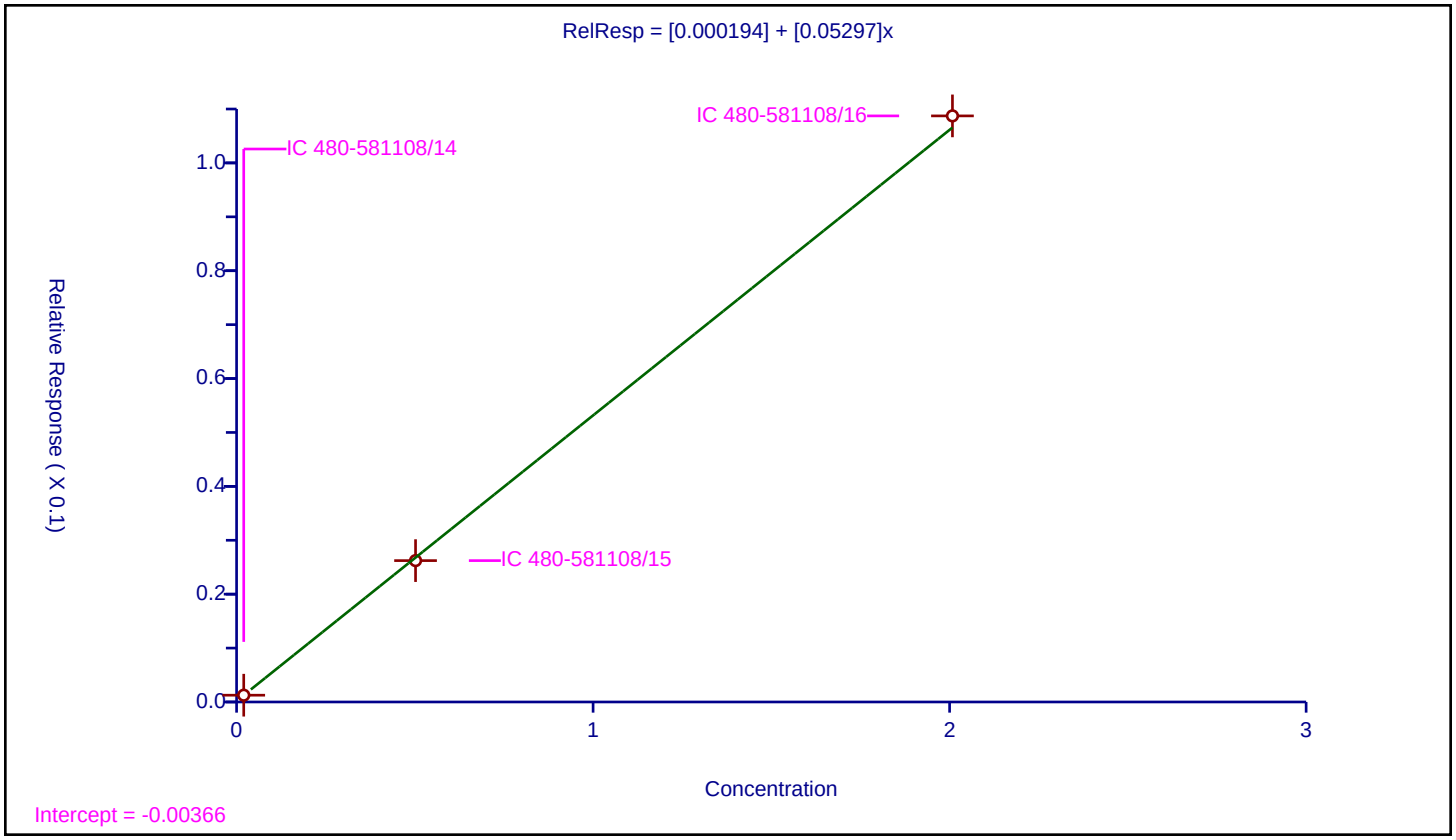
Curve Coefficients

Intercept:	0.000194
Slope:	0.05297

Error Coefficients

Standard Error:	2440000
Relative Standard Error:	2.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/14	0.02008	0.001258	0.5	11175444.0	0.062664	Y
2	IC 480-581108/15	0.502	0.026225	0.5	11270326.0	0.05224	Y
3	IC 480-581108/16	2.008	0.108726	0.5	10895282.0	0.054146	Y



Calibration / PCB-1254 Peak 5

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

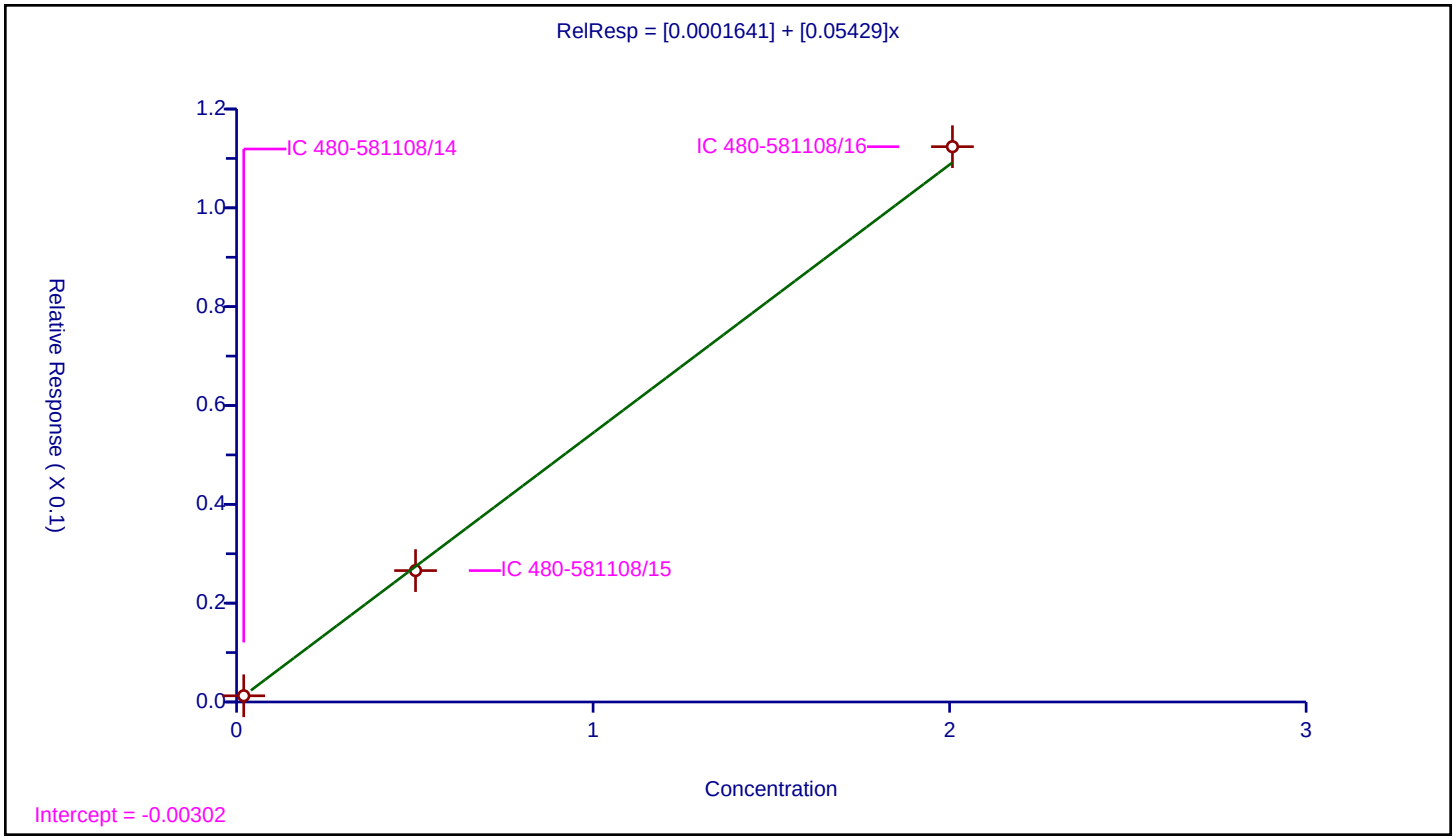
Curve Coefficients

Intercept:	0.0001641
Slope:	0.05429

Error Coefficients

Standard Error:	2520000
Relative Standard Error:	4.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/14	0.02008	0.001255	0.5	11175444.0	0.062515	Y
2	IC 480-581108/15	0.502	0.026593	0.5	11270326.0	0.052974	Y
3	IC 480-581108/16	2.008	0.112379	0.5	10895282.0	0.055966	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 581108

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/14/2021 22:28 Calibration End Date: 05/14/2021 23:00 Calibration ID: 41837

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-581108/18	7_97-030.D
Level 2	IC 480-581108/19	7_97-031.D
Level 3	IC 480-581108/20	7_97-032.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3				B	M1	M2								
PCB-1232 Peak 1	0.0348	0.0229	0.0214			Lin1	0.0003	0.0215				5.3			1.0000		0.9900
PCB-1232 Peak 2	0.0180	0.0119	0.0113			Lin2	0.0001	0.0115				2.8			1.0000		0.9900
PCB-1232 Peak 3	0.0377	0.0266	0.0280			Lin2	0.0002	0.0270				4.3			0.9990		0.9900
PCB-1232 Peak 4	0.0312	0.0158	0.0153			Lin1	0.0003	0.0152				0.2			1.0000		0.9900
PCB-1232 Peak 5	0.0169	0.0110	0.0107			Lin2	0.0001	0.0107				0.6			1.0000		0.9900
PCB-1262 Peak 1	0.0717	0.0480	0.0488			Lin2	0.0005	0.0478				2.3			1.0000		0.9900
PCB-1262 Peak 2	0.0927	0.0675	0.0682			Lin2	0.0005	0.0672				1.6			1.0000		0.9900
PCB-1262 Peak 3	0.1556	0.1284	0.1285			Lin2	0.0006	0.1278				0.5			1.0000		0.9900
PCB-1262 Peak 4	0.0667	0.0506	0.0522			Lin2	0.0003	0.0510				2.8			1.0000		0.9900
PCB-1262 Peak 5	0.0671	0.0511	0.0526			Lin2	0.0003	0.0515				2.8			1.0000		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 581108

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/14/2021 22:28 Calibration End Date: 05/14/2021 23:00 Calibration ID: 41837

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-581108/18	7_97-030.D
Level 2	IC 480-581108/19	7_97-031.D
Level 3	IC 480-581108/20	7_97-032.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
PCB-1232 Peak 1	BNB	Lin1	16601	283813	1007816			0.0200	0.500	2.00		
PCB-1232 Peak 2	BNB	Lin2	8588	147759	531208			0.0200	0.500	2.00		
PCB-1232 Peak 3	BNB	Lin2	17980	329398	1315495			0.0200	0.500	2.00		
PCB-1232 Peak 4	BNB	Lin1	14911	195284	721025			0.0200	0.500	2.00		
PCB-1232 Peak 5	BNB	Lin2	8079	135815	503448			0.0200	0.500	2.00		
PCB-1262 Peak 1	BNB	Lin2	34218	593335	2297089			0.0200	0.500	2.00		
PCB-1262 Peak 2	BNB	Lin2	44279	834947	3210345			0.0200	0.500	2.00		
PCB-1262 Peak 3	BNB	Lin2	74300	1588043	6046019			0.0200	0.500	2.00		
PCB-1262 Peak 4	BNB	Lin2	31866	625976	2453999			0.0200	0.500	2.00		
PCB-1262 Peak 5	BNB	Lin2	32046	631534	2476500			0.0200	0.500	2.00		

Curve Type Legend

Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-030.D
Lims ID: IC level 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 14-May-2021 22:28:21 ALS Bottle#: 0 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub8

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2021 13:21:35 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1602

First Level Reviewer: schickr Date: 15-May-2021 13:10:12

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.828	1.828	0.000	11938875	0.5000	0.5000	
2	2.019	2.019	0.000	11458576	0.5000	0.5000	
						RPD = 0.00	
15 PCB-1232							
1	3.082	3.082	0.000	16601	0.0200	0.0194	
1	3.417	3.417	0.000	8588	0.0200	0.0200	
1	3.795	3.795	0.000	17980	0.0200	0.0200	
1	3.879	3.879	0.000	14911	0.0200	0.0200	
1	3.947	3.947	0.000	8079	0.0200	0.0200	
		Average of Peak Amounts =				0.0199	
2	3.230	3.230	0.000	12643	0.0200	0.0200	
2	3.589	3.589	0.000	12549	0.0200	0.0200	
2	3.935	3.935	0.000	14743	0.0200	0.0200	
2	4.058	4.058	0.000	10406	0.0200	0.0200	
2	4.456	4.456	0.000	9698	0.0200	0.0200	
		Average of Peak Amounts =				0.0200	
						RPD = 0.59	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
7 PCB-1262							
1	5.486	5.486	0.000	34218	0.0200	0.0200	
1	5.888	5.888	0.000	44279	0.0200	0.0200	
1	6.386	6.386	0.000	74300	0.0200	0.0200	
1	6.824	6.824	0.000	31866	0.0200	0.0200	
1	6.894	6.894	0.000	32046	0.0200	0.0200	
		Average of Peak Amounts =				0.0200	
2	5.565	5.565	0.000	29500	0.0200	0.0200	
2	6.003	6.003	0.000	37453	0.0200	0.0200	
2	6.359	6.359	0.000	34390	0.0200	0.0200	
2	6.543	6.543	0.000	74011	0.0200	0.0200	
2	7.017	7.017	0.000	31643	0.0200	0.0200	
		Average of Peak Amounts =				0.0200	
						RPD = 0.01	

QC Flag Legend

Processing Flags

Reagents:

32-62w/IS@.02_00020 Amount Added: 1.00 Units: mL

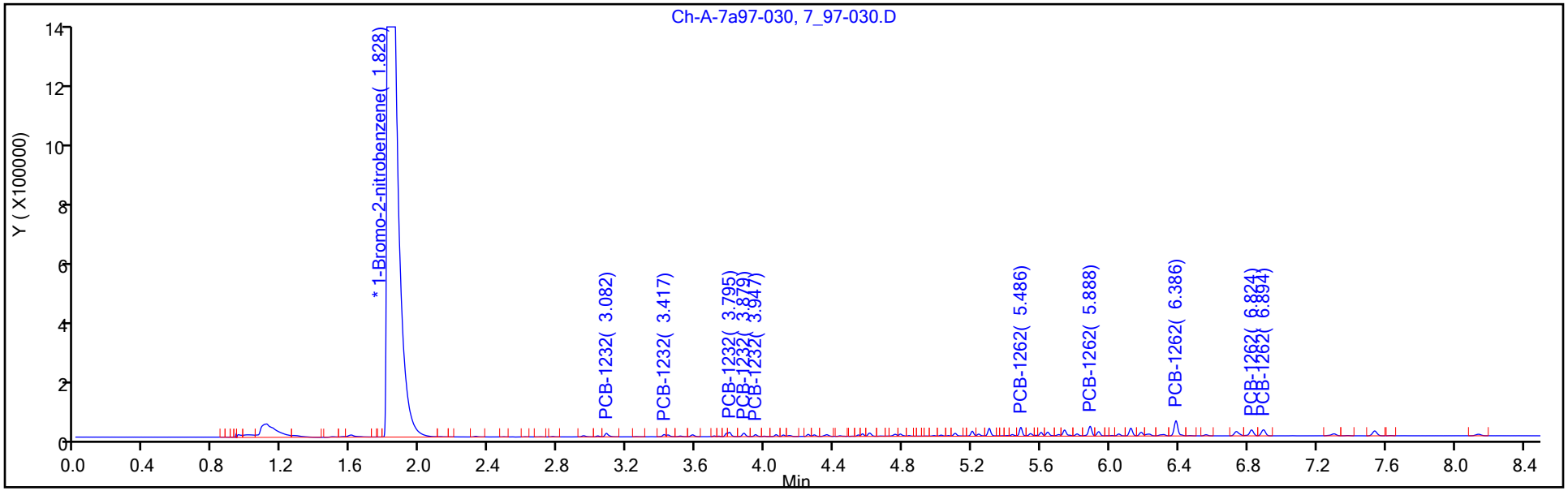
Report Date: 15-May-2021 13:21:35 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

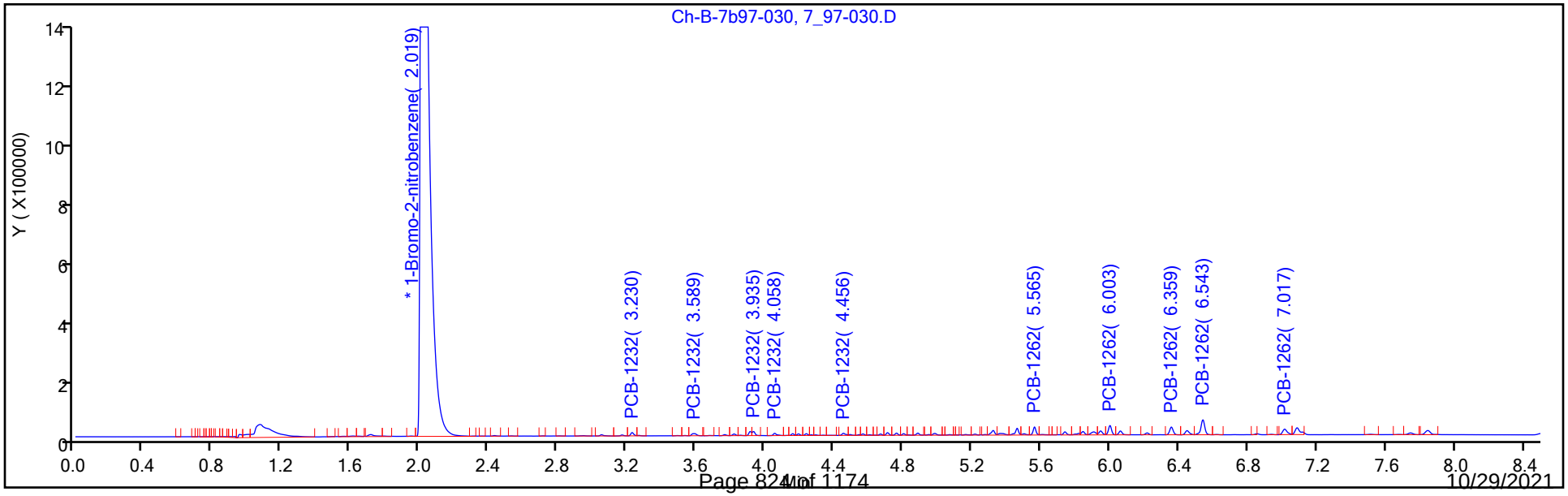
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-030.D

Injection Date:	14-May-2021 22:28:21	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC level 1			Worklist Smp#:	18
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-031.D
Lims ID: IC level 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 14-May-2021 22:44:09 ALS Bottle#: 0 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub8

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2021 13:21:36 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1602

First Level Reviewer: schickr Date: 15-May-2021 13:11:19

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.826	1.826	0.000	12369851	0.5000	0.5000	
2	2.016	2.016	0.000	11856903	0.5000	0.5000	
						RPD = 0.00	
15 PCB-1232							
1	3.078	3.078	0.000	283813	0.5000	0.5206	
1	3.413	3.413	0.000	147759	0.5000	0.5101	
1	3.793	3.793	0.000	329398	0.5000	0.4845	
1	3.878	3.878	0.000	195284	0.5000	0.4994	
1	3.944	3.944	0.000	135815	0.5000	0.5021	
		Average of Peak Amounts =				0.5033	
2	3.228	3.228	0.000	238426	0.5000	0.5124	
2	3.589	3.589	0.000	237445	0.5000	0.5100	
2	3.932	3.932	0.000	302024	0.5000	0.4937	
2	4.055	4.055	0.000	187717	0.5000	0.4992	
2	4.453	4.453	0.000	168044	0.5000	0.4956	
		Average of Peak Amounts =				0.5022	
						RPD = 0.23	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
7 PCB-1262							
1	5.483	5.483	0.000	593335	0.5000	0.4916	
1	5.884	5.884	0.000	834947	0.5000	0.4943	
1	6.383	6.383	0.000	1588043	0.5000	0.4980	
1	6.821	6.821	0.000	625976	0.5000	0.4899	
1	6.890	6.890	0.000	631534	0.5000	0.4898	
		Average of Peak Amounts =				0.4927	
2	5.562	5.562	0.000	542494	0.5000	0.4911	
2	5.999	5.999	0.000	783127	0.5000	0.4910	
2	6.355	6.355	0.000	729146	0.5000	0.4881	
2	6.538	6.538	0.000	1664407	0.5000	0.4947	
2	7.013	7.013	0.000	696446	0.5000	0.4869	
		Average of Peak Amounts =				0.4903	
						RPD = 0.49	

QC Flag Legend

Processing Flags

Reagents:

32-62w/IS@0.5_00087 Amount Added: 1.00 Units: mL

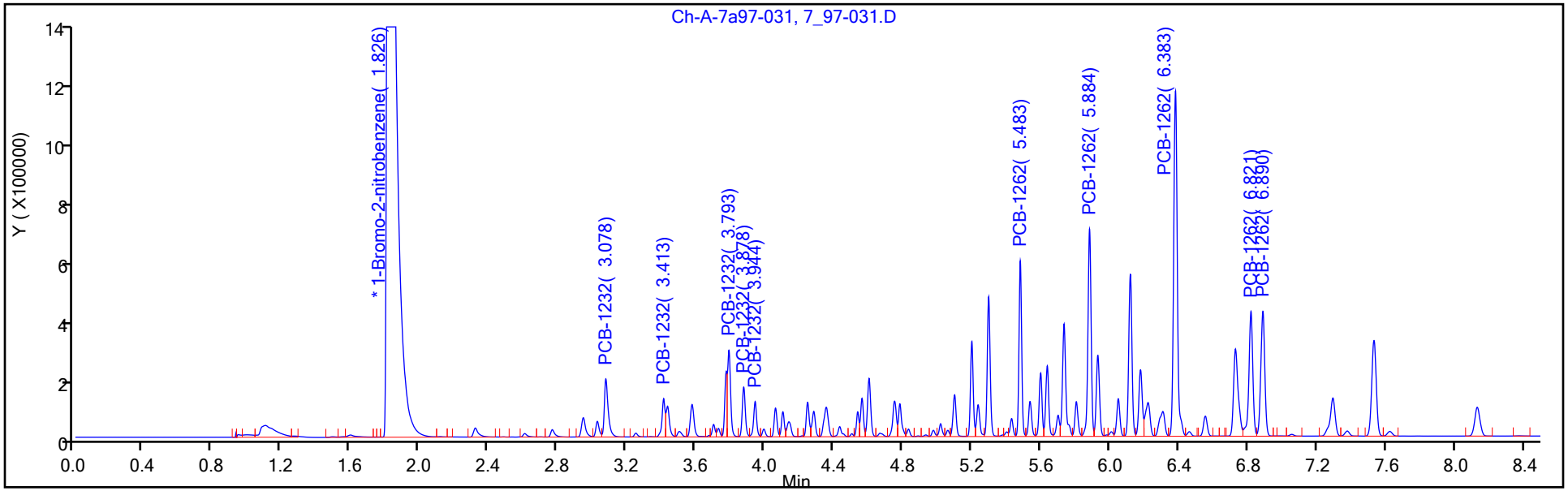
Report Date: 15-May-2021 13:21:36 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

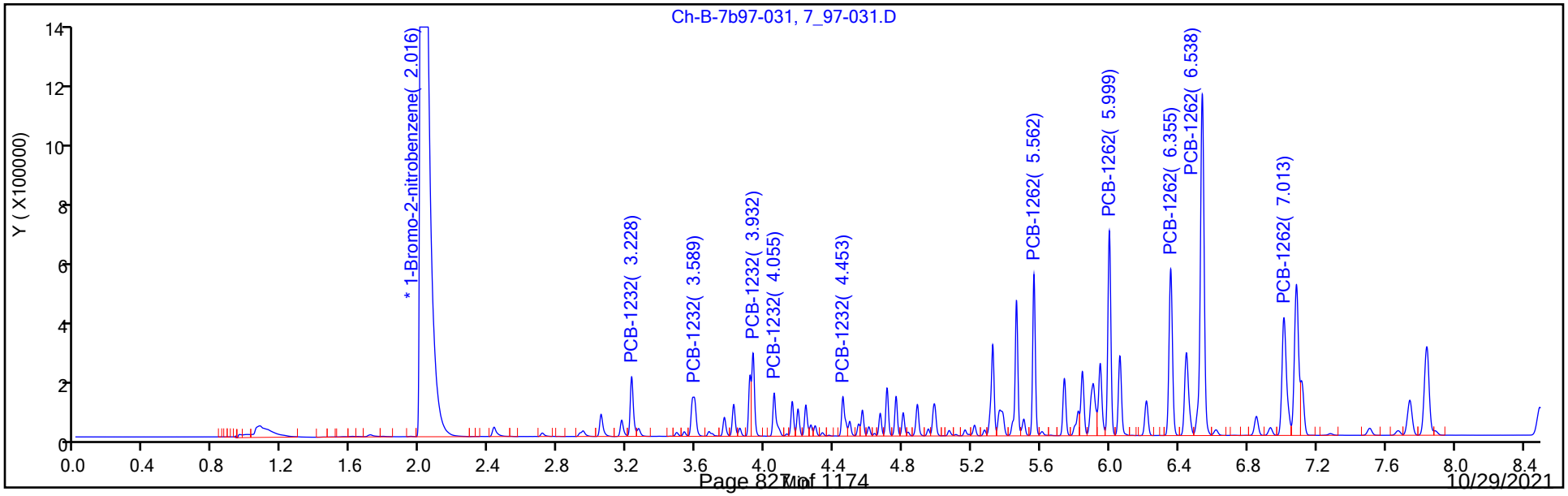
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-031.D

Injection Date:	14-May-2021 22:44:09	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC level 2			Worklist Smp#:	19
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-032.D
Lims ID: IC level 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 14-May-2021 23:00:09 ALS Bottle#: 0 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub8

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2021 13:21:38 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1602

First Level Reviewer: schickr Date: 15-May-2021 13:14:19

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.824	1.826	-0.002	11759833	0.5000	0.5000	
2	2.015	2.016	-0.001	11233839	0.5000	0.5000	
						RPD = 0.00	
15 PCB-1232							
1	3.079	3.078	0.001	1007816	2.00	1.98	
1	3.414	3.413	0.001	531208	2.00	1.96	
1	3.793	3.793	0.001	1315495	2.00	2.06	
1	3.879	3.878	0.001	721025	2.00	2.00	
1	3.944	3.944	0.000	503448	2.00	1.99	
		Average of Peak Amounts =				2.00	
2	3.227	3.228	-0.001	850117	2.00	1.95	
2	3.583	3.589	-0.006	854654	2.00	1.96	
2	3.933	3.932	0.000	1163966	2.00	2.02	
2	4.054	4.055	-0.001	704007	2.00	2.00	
2	4.454	4.453	0.001	638181	2.00	2.02	
		Average of Peak Amounts =				1.99	
						RPD = 0.36	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
7 PCB-1262							
1	5.484	5.483	0.002	2297089	2.00	2.03	
1	5.886	5.884	0.002	3210345	2.00	2.02	
1	6.384	6.383	0.001	6046019	2.00	2.01	
1	6.823	6.821	0.002	2453999	2.00	2.04	
1	6.891	6.890	0.001	2476500	2.00	2.04	
		Average of Peak Amounts =				2.03	
2	5.563	5.562	0.001	2103169	2.00	2.03	
2	6.001	5.999	0.002	3054387	2.00	2.04	
2	6.357	6.355	0.002	2877969	2.00	2.05	
2	6.540	6.538	0.002	6413639	2.00	2.02	
2	7.014	7.013	0.002	2766356	2.00	2.05	
		Average of Peak Amounts =				2.04	
						RPD = 0.46	

QC Flag Legend

Processing Flags

Reagents:

32-62w/IS@2.0_00020 Amount Added: 1.00 Units: mL

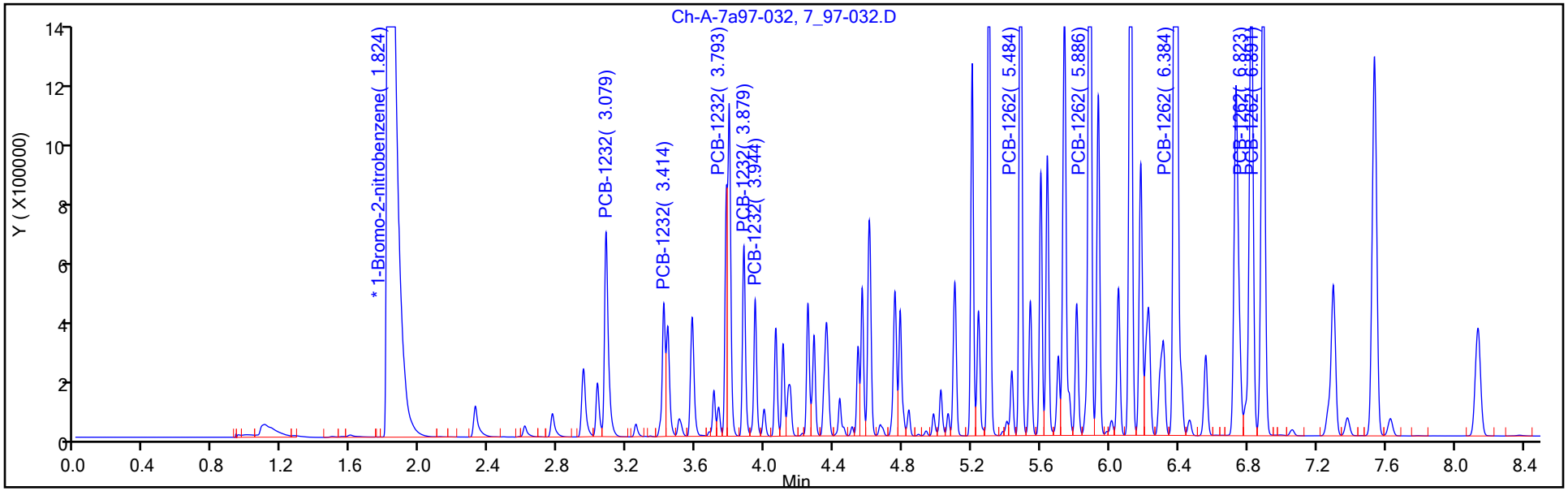
Report Date: 15-May-2021 13:21:38 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

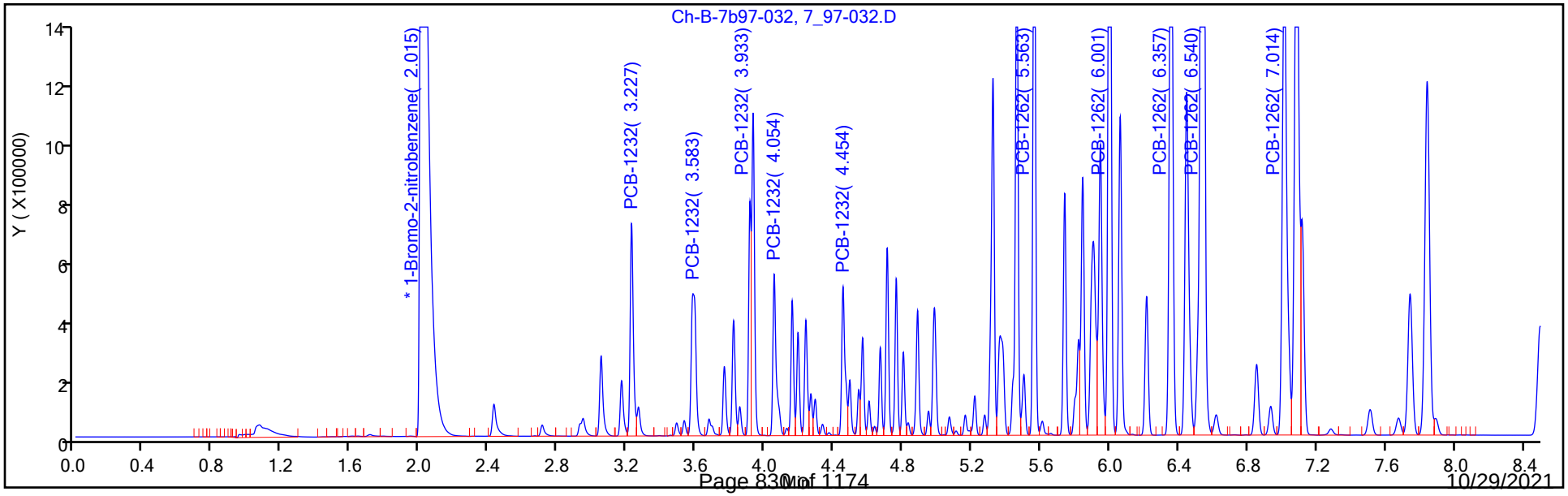
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-032.D

Injection Date:	14-May-2021 23:00:09	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC level 3			Worklist Smp#:	20
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Calibration / PCB-1232 Peak 1

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

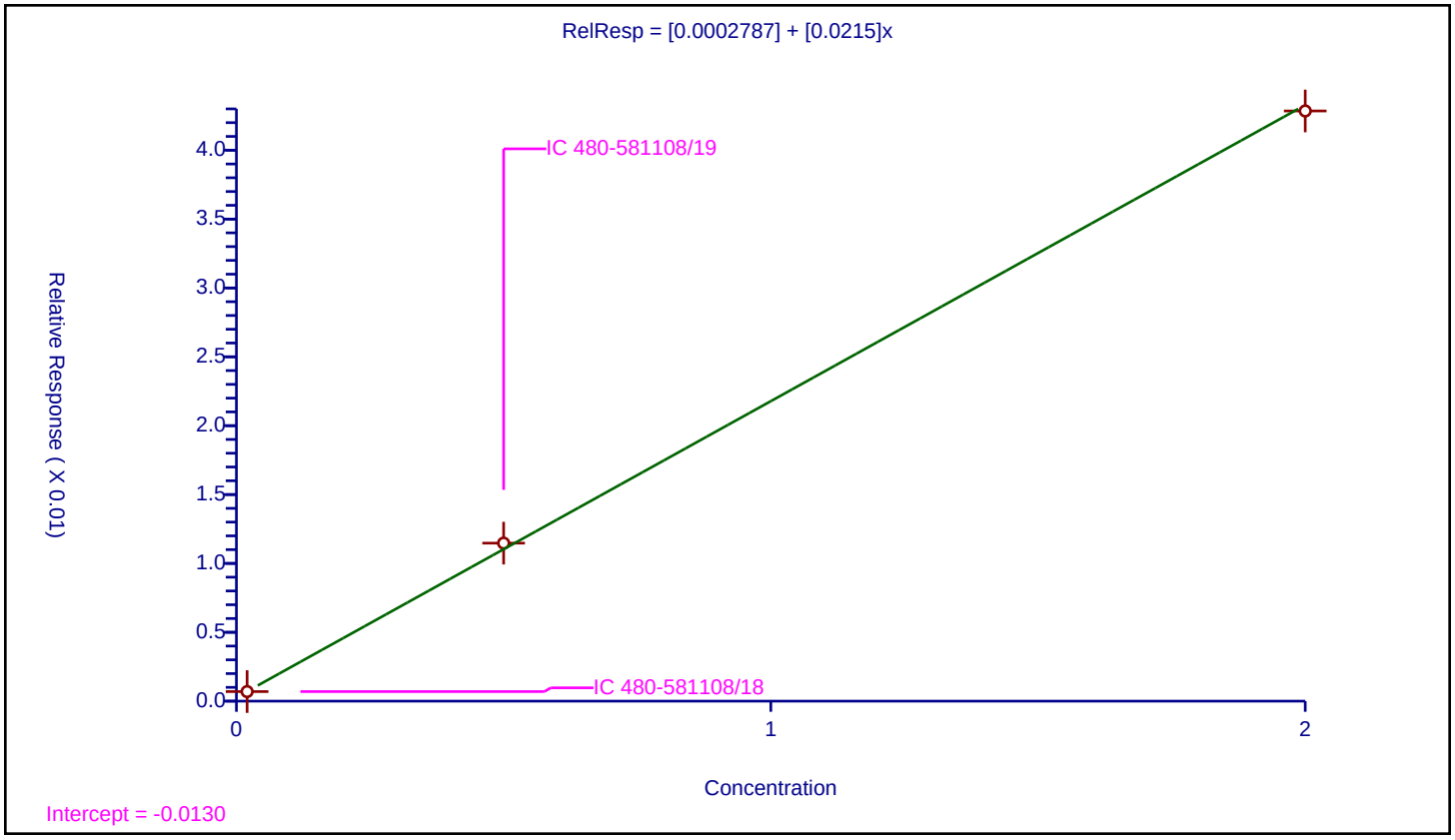
Curve Coefficients

Intercept:	0.0002787
Slope:	0.0215

Error Coefficients

Standard Error:	1050000
Relative Standard Error:	5.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/18	0.02	0.000695	0.5	11938875.0	0.034762	Y
2	IC 480-581108/19	0.5	0.011472	0.5	12369851.0	0.022944	Y
3	IC 480-581108/20	2.0	0.04285	0.5	11759833.0	0.021425	Y



Calibration / PCB-1232 Peak 2

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

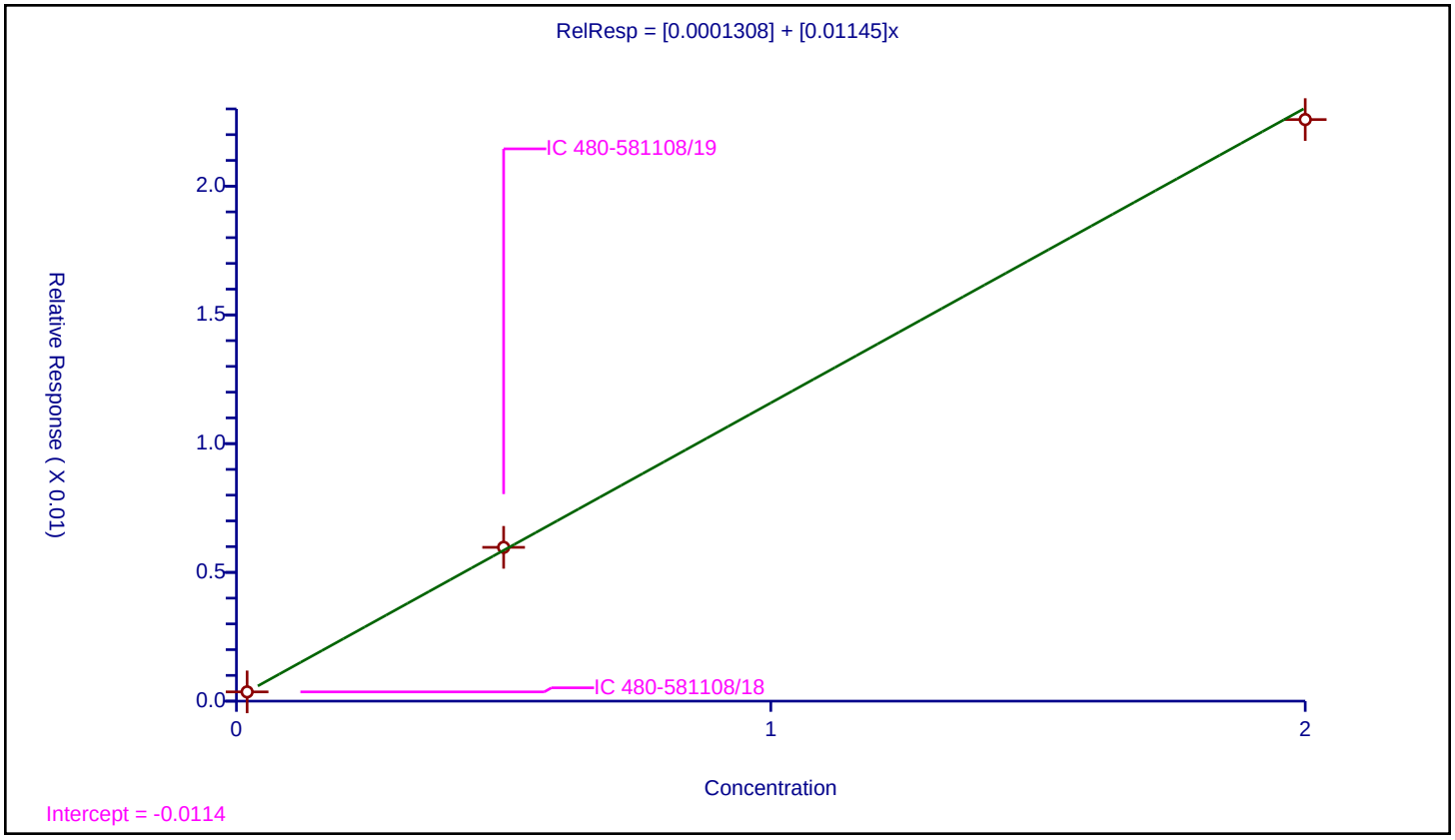
Curve Coefficients

Intercept:	0.0001308
Slope:	0.01145

Error Coefficients

Standard Error:	551000
Relative Standard Error:	2.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/18	0.02	0.00036	0.5	11938875.0	0.017983	Y
2	IC 480-581108/19	0.5	0.005973	0.5	12369851.0	0.011945	Y
3	IC 480-581108/20	2.0	0.022586	0.5	11759833.0	0.011293	Y



Calibration / PCB-1232 Peak 3

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

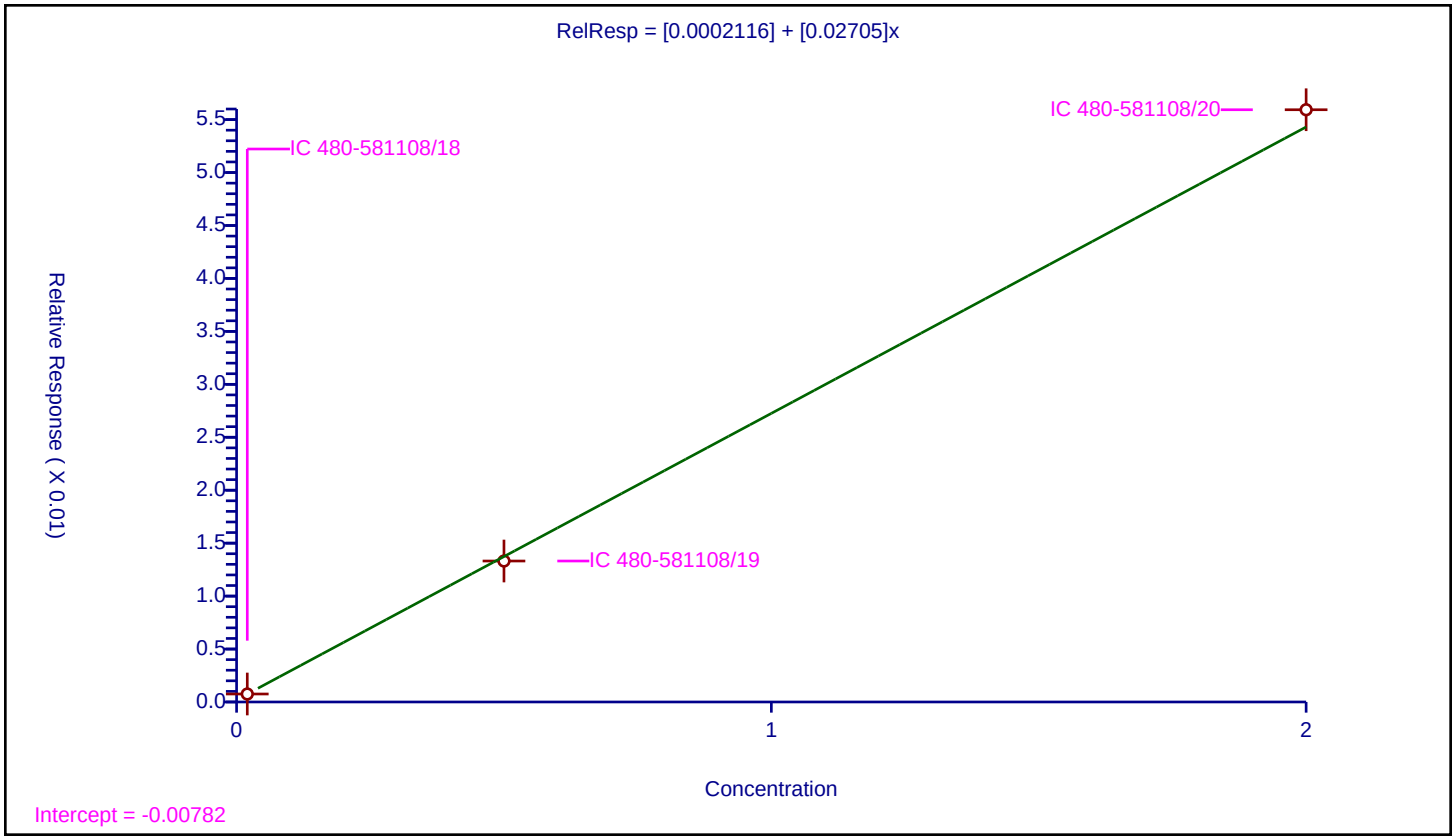
Curve Coefficients

Intercept:	0.0002116
Slope:	0.02705

Error Coefficients

Standard Error:	1360000
Relative Standard Error:	4.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/18	0.02	0.000753	0.5	11938875.0	0.03765	Y
2	IC 480-581108/19	0.5	0.013315	0.5	12369851.0	0.026629	Y
3	IC 480-581108/20	2.0	0.055932	0.5	11759833.0	0.027966	Y



Calibration / PCB-1232 Peak 4

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

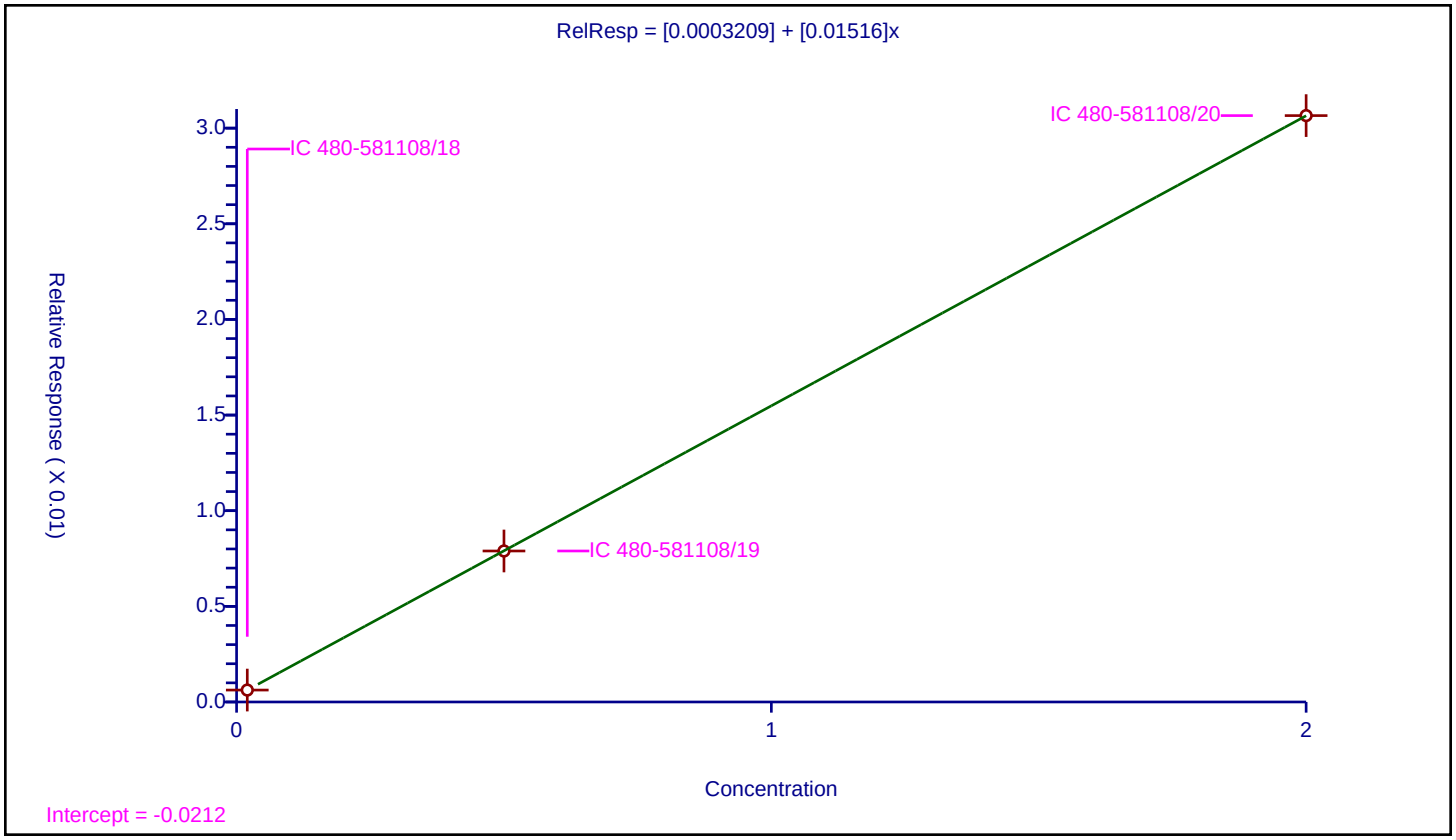
Curve Coefficients

Intercept:	0.0003209
Slope:	0.01516

Error Coefficients

Standard Error:	747000
Relative Standard Error:	0.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/18	0.02	0.000624	0.5	11938875.0	0.031224	Y
2	IC 480-581108/19	0.5	0.007894	0.5	12369851.0	0.015787	Y
3	IC 480-581108/20	2.0	0.030656	0.5	11759833.0	0.015328	Y



Calibration / PCB-1232 Peak 5

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

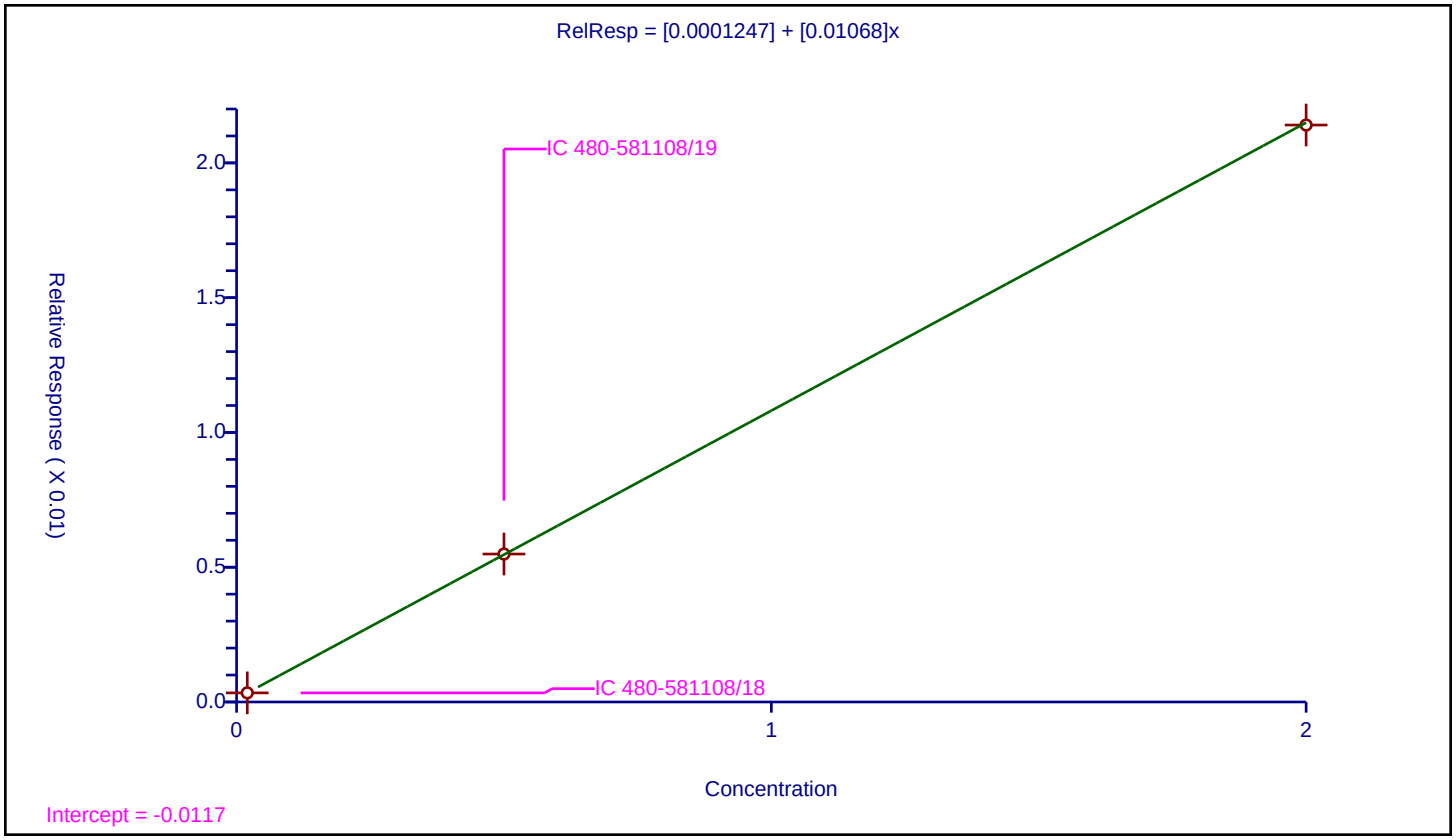
Curve Coefficients

Intercept:	0.0001247
Slope:	0.01068

Error Coefficients

Standard Error:	522000
Relative Standard Error:	0.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/18	0.02	0.000338	0.5	11938875.0	0.016917	Y
2	IC 480-581108/19	0.5	0.00549	0.5	12369851.0	0.01098	Y
3	IC 480-581108/20	2.0	0.021405	0.5	11759833.0	0.010703	Y



Calibration / PCB-1262 Peak 1

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

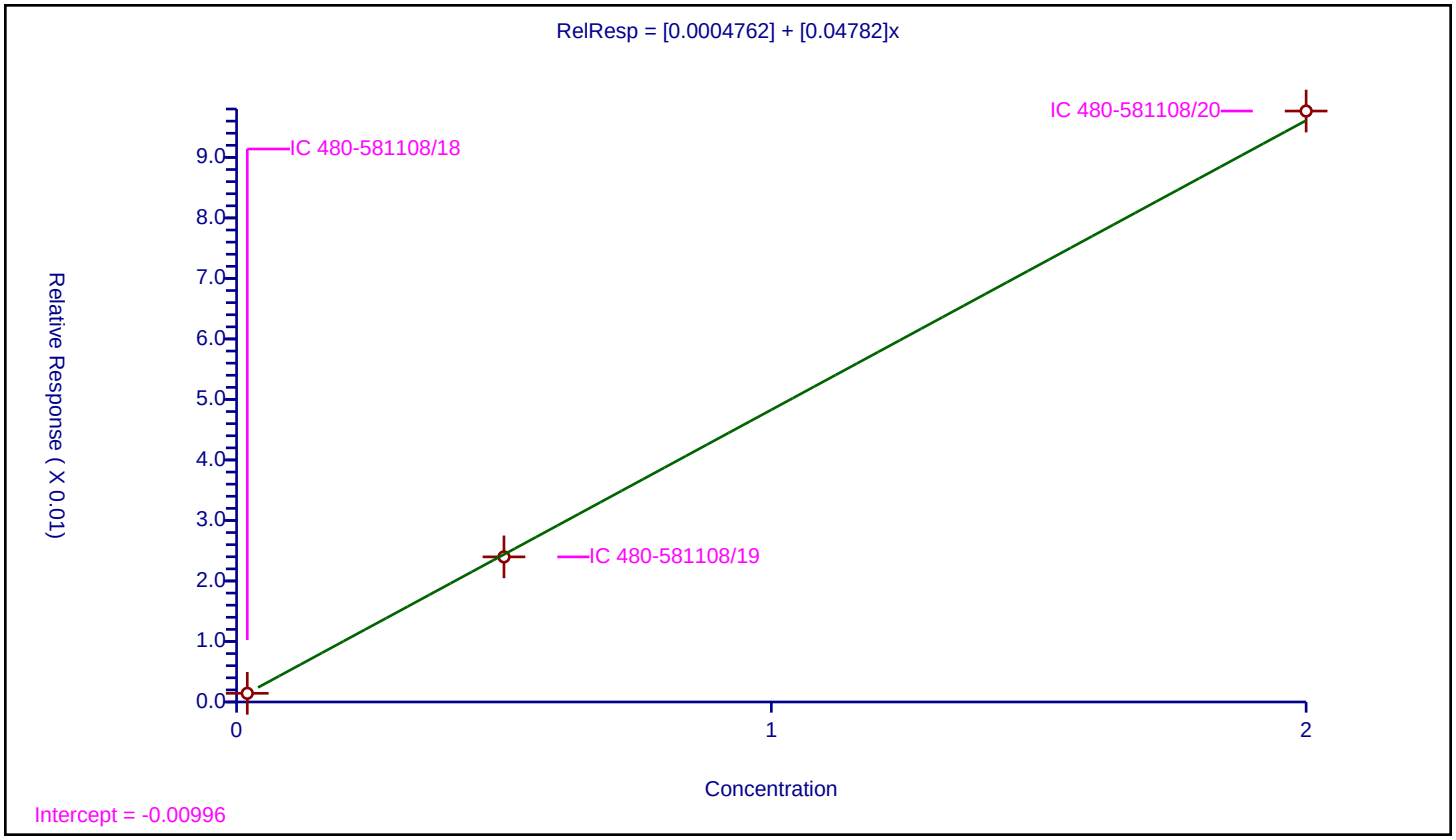
Curve Coefficients

Intercept:	0.0004762
Slope:	0.04782

Error Coefficients

Standard Error:	2370000
Relative Standard Error:	2.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/18	0.02	0.001433	0.5	11938875.0	0.071652	Y
2	IC 480-581108/19	0.5	0.023983	0.5	12369851.0	0.047966	Y
3	IC 480-581108/20	2.0	0.097667	0.5	11759833.0	0.048833	Y



Calibration / PCB-1262 Peak 2

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

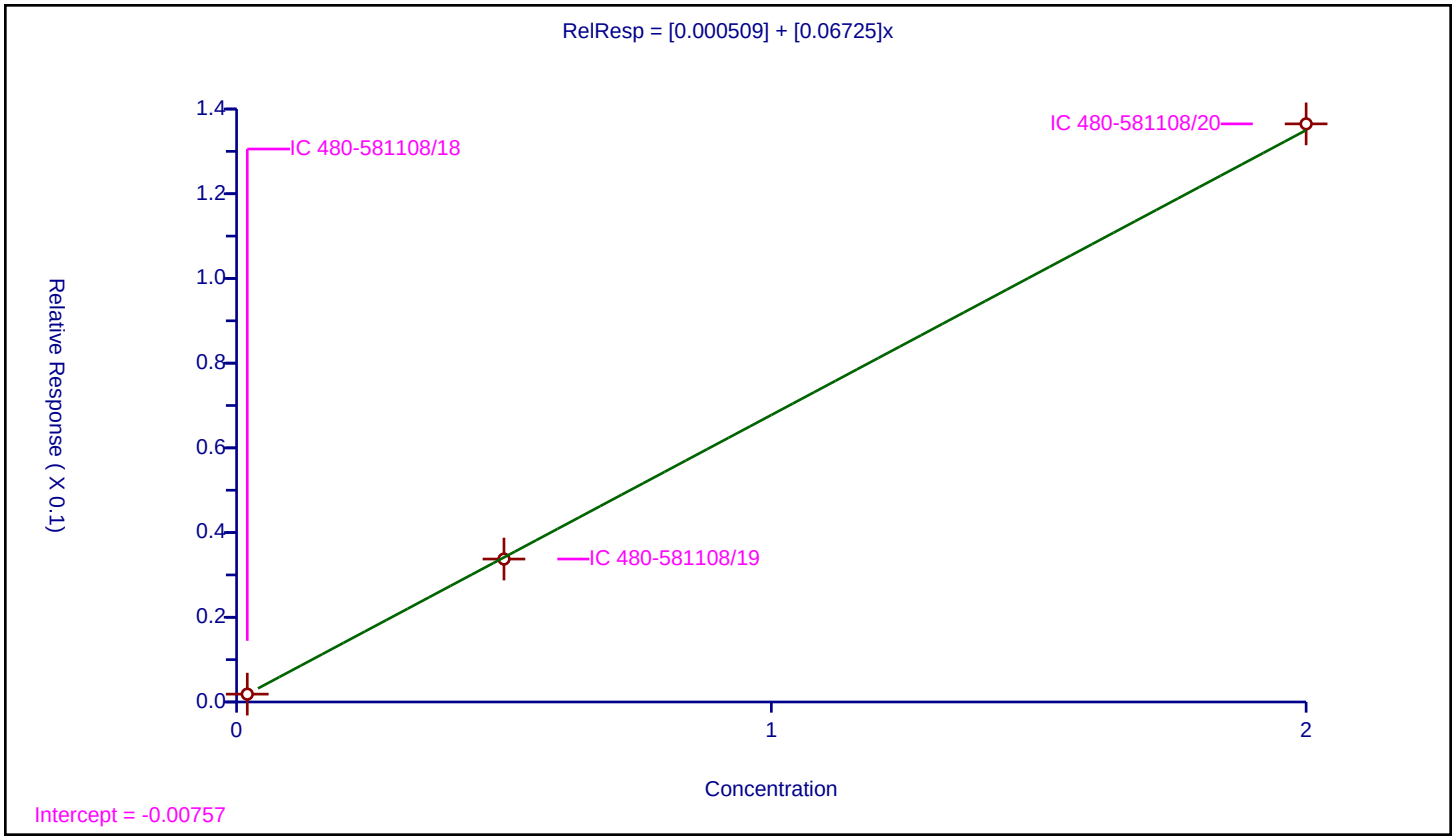
Curve Coefficients

Intercept:	0.000509
Slope:	0.06725

Error Coefficients

Standard Error:	3320000
Relative Standard Error:	1.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/18	0.02	0.001854	0.5	11938875.0	0.09272	Y
2	IC 480-581108/19	0.5	0.033749	0.5	12369851.0	0.067499	Y
3	IC 480-581108/20	2.0	0.136496	0.5	11759833.0	0.068248	Y



Calibration / PCB-1262 Peak 3

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

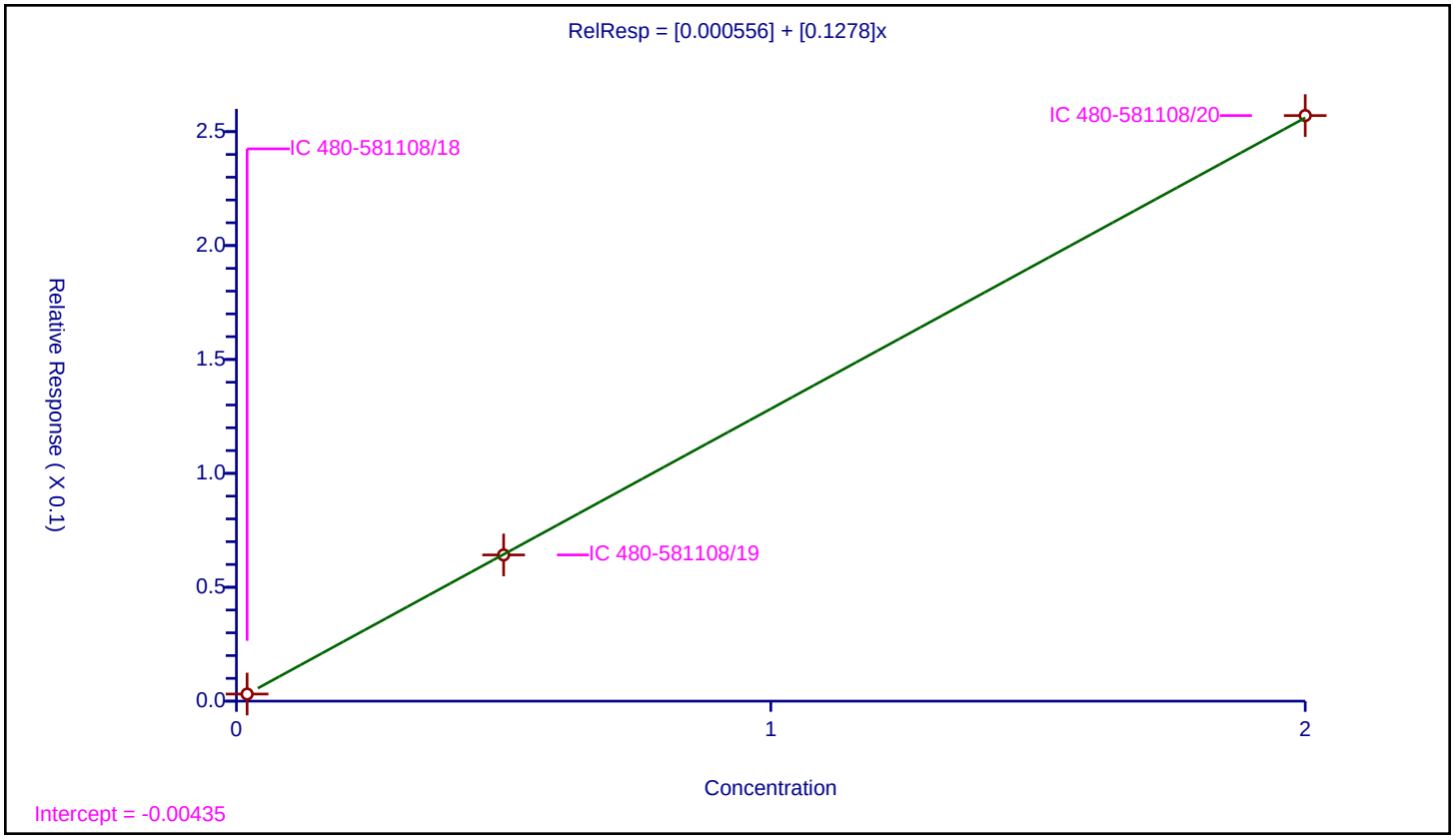
Curve Coefficients

Intercept:	0.000556
Slope:	0.1278

Error Coefficients

Standard Error:	6250000
Relative Standard Error:	0.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/18	0.02	0.003112	0.5	11938875.0	0.155584	Y
2	IC 480-581108/19	0.5	0.06419	0.5	12369851.0	0.12838	Y
3	IC 480-581108/20	2.0	0.257062	0.5	11759833.0	0.128531	Y



Calibration / PCB-1262 Peak 4

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

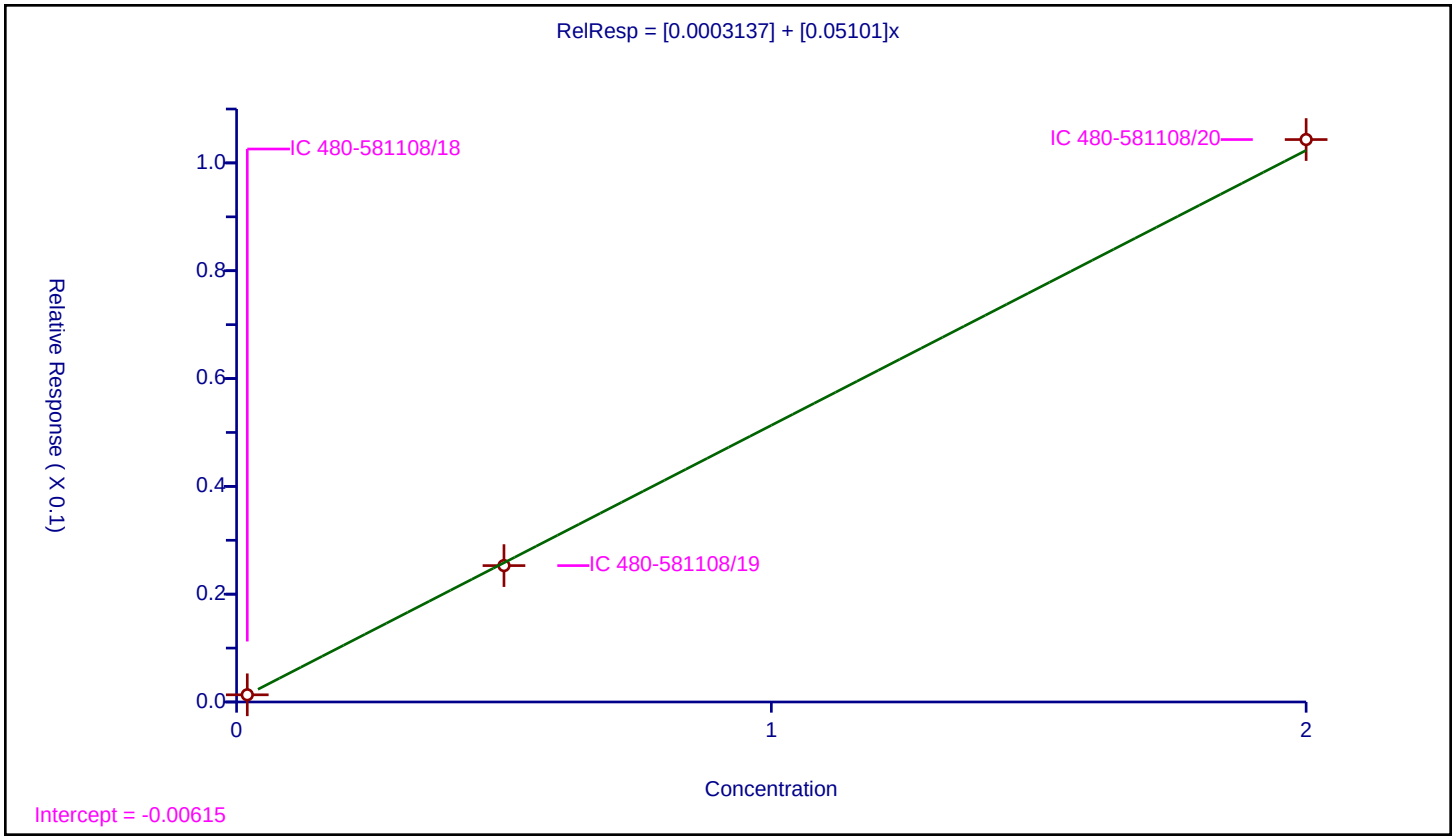
Curve Coefficients

Intercept:	0.0003137
Slope:	0.05101

Error Coefficients

Standard Error:	2530000
Relative Standard Error:	2.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/18	0.02	0.001335	0.5	11938875.0	0.066727	Y
2	IC 480-581108/19	0.5	0.025302	0.5	12369851.0	0.050605	Y
3	IC 480-581108/20	2.0	0.104338	0.5	11759833.0	0.052169	Y



Calibration / PCB-1262 Peak 5

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

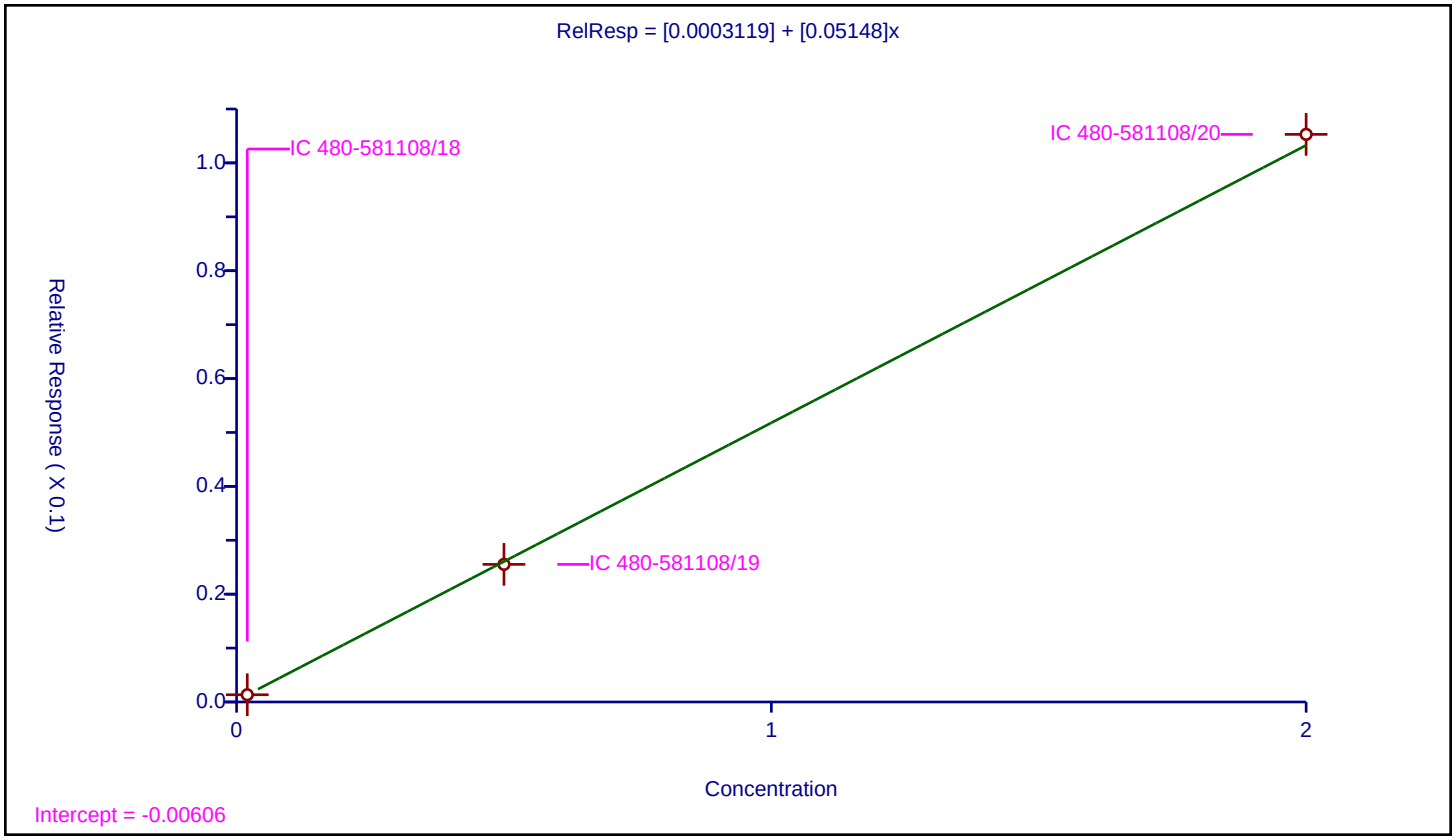
Curve Coefficients

Intercept:	0.0003119
Slope:	0.05148

Error Coefficients

Standard Error:	2560000
Relative Standard Error:	2.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/18	0.02	0.001342	0.5	11938875.0	0.067104	Y
2	IC 480-581108/19	0.5	0.025527	0.5	12369851.0	0.051054	Y
3	IC 480-581108/20	2.0	0.105295	0.5	11759833.0	0.052647	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 581108

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/14/2021 22:28 Calibration End Date: 05/14/2021 23:00 Calibration ID: 41838

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-581108/18	7_97-030.D
Level 2	IC 480-581108/19	7_97-031.D
Level 3	IC 480-581108/20	7_97-032.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3				B	M1	M2								
PCB-1232 Peak 1	0.0276	0.0201	0.0189			Lin2	0.0002	0.0193				3.4			0.9990		0.9900
PCB-1232 Peak 2	0.0274	0.0200	0.0190			Lin2	0.0002	0.0193				2.8			1.0000		0.9900
PCB-1232 Peak 3	0.0322	0.0255	0.0259			Lin2	0.0001	0.0255				1.7			1.0000		0.9900
PCB-1232 Peak 4	0.0227	0.0158	0.0157			Lin2	0.0001	0.0156				0.2			1.0000		0.9900
PCB-1232 Peak 5	0.0212	0.0142	0.0142			Lin2	0.0001	0.0140				1.2			1.0000		0.9900
PCB-1262 Peak 1	0.0644	0.0458	0.0468			Lin2	0.0004	0.0458				2.5			1.0000		0.9900
PCB-1262 Peak 2	0.0817	0.0660	0.0680			Lin2	0.0003	0.0667				2.5			1.0000		0.9900
PCB-1262 Peak 3	0.0750	0.0615	0.0640			Lin2	0.0003	0.0625				3.3			0.9990		0.9900
PCB-1262 Peak 4	0.1615	0.1404	0.1427			Lin2	0.0004	0.1411				1.5			1.0000		0.9900
PCB-1262 Peak 5	0.0690	0.0587	0.0616			Lin2	0.0002	0.0599				3.7			0.9990		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 581108

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/14/2021 22:28 Calibration End Date: 05/14/2021 23:00 Calibration ID: 41838

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-581108/18	7_97-030.D
Level 2	IC 480-581108/19	7_97-031.D
Level 3	IC 480-581108/20	7_97-032.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
PCB-1232 Peak 1	BNB	Lin2	12643	238426	850117			0.0200	0.500	2.00		
PCB-1232 Peak 2	BNB	Lin2	12549	237445	854654			0.0200	0.500	2.00		
PCB-1232 Peak 3	BNB	Lin2	14743	302024	1163966			0.0200	0.500	2.00		
PCB-1232 Peak 4	BNB	Lin2	10406	187717	704007			0.0200	0.500	2.00		
PCB-1232 Peak 5	BNB	Lin2	9698	168044	638181			0.0200	0.500	2.00		
PCB-1262 Peak 1	BNB	Lin2	29500	542494	2103169			0.0200	0.500	2.00		
PCB-1262 Peak 2	BNB	Lin2	37453	783127	3054387			0.0200	0.500	2.00		
PCB-1262 Peak 3	BNB	Lin2	34390	729146	2877969			0.0200	0.500	2.00		
PCB-1262 Peak 4	BNB	Lin2	74011	1664407	6413639			0.0200	0.500	2.00		
PCB-1262 Peak 5	BNB	Lin2	31643	696446	2766356			0.0200	0.500	2.00		

Curve Type Legend
Lin2 = Linear 1/conc^2 ISTD

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-030.D
Lims ID: IC level 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 14-May-2021 22:28:21 ALS Bottle#: 0 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub8

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2021 13:21:35 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1602

First Level Reviewer: schickr Date: 15-May-2021 13:10:12

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.828	1.828	0.000	11938875	0.5000	0.5000	
2	2.019	2.019	0.000	11458576	0.5000	0.5000	
						RPD = 0.00	
15 PCB-1232							
1	3.082	3.082	0.000	16601	0.0200	0.0194	
1	3.417	3.417	0.000	8588	0.0200	0.0200	
1	3.795	3.795	0.000	17980	0.0200	0.0200	
1	3.879	3.879	0.000	14911	0.0200	0.0200	
1	3.947	3.947	0.000	8079	0.0200	0.0200	
		Average of Peak Amounts =				0.0199	
2	3.230	3.230	0.000	12643	0.0200	0.0200	
2	3.589	3.589	0.000	12549	0.0200	0.0200	
2	3.935	3.935	0.000	14743	0.0200	0.0200	
2	4.058	4.058	0.000	10406	0.0200	0.0200	
2	4.456	4.456	0.000	9698	0.0200	0.0200	
		Average of Peak Amounts =				0.0200	
						RPD = 0.59	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
7 PCB-1262							
1	5.486	5.486	0.000	34218	0.0200	0.0200	
1	5.888	5.888	0.000	44279	0.0200	0.0200	
1	6.386	6.386	0.000	74300	0.0200	0.0200	
1	6.824	6.824	0.000	31866	0.0200	0.0200	
1	6.894	6.894	0.000	32046	0.0200	0.0200	
		Average of Peak Amounts =				0.0200	
2	5.565	5.565	0.000	29500	0.0200	0.0200	
2	6.003	6.003	0.000	37453	0.0200	0.0200	
2	6.359	6.359	0.000	34390	0.0200	0.0200	
2	6.543	6.543	0.000	74011	0.0200	0.0200	
2	7.017	7.017	0.000	31643	0.0200	0.0200	
		Average of Peak Amounts =				0.0200	
						RPD = 0.01	

QC Flag Legend

Processing Flags

Reagents:

32-62w/IS@.02_00020 Amount Added: 1.00 Units: mL

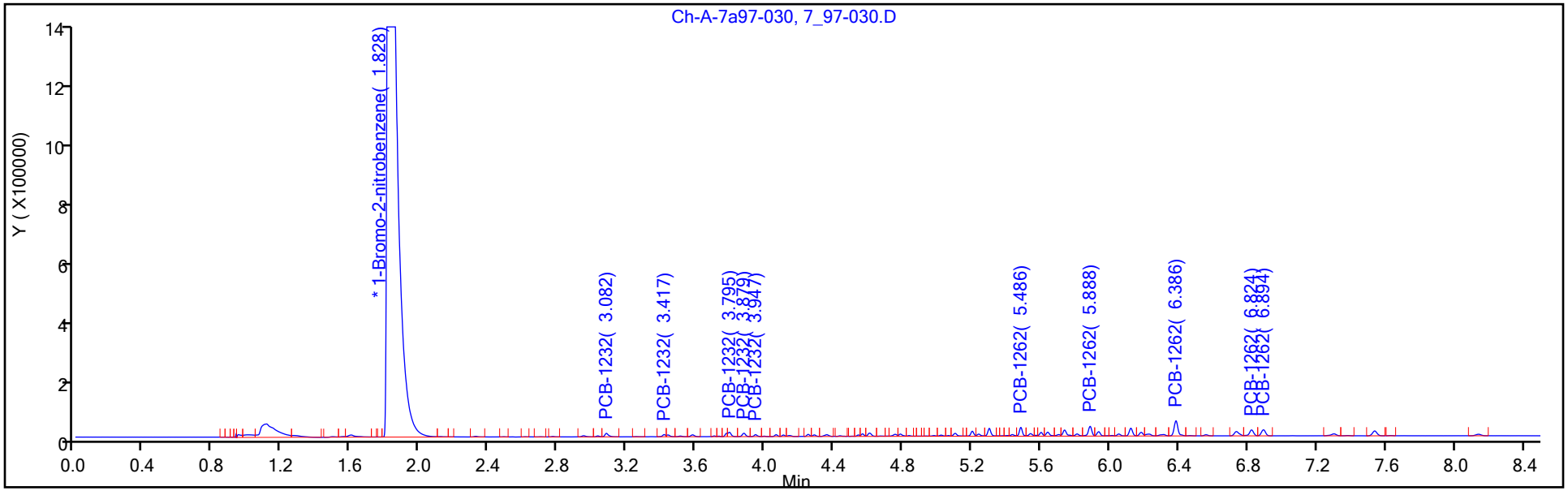
Report Date: 15-May-2021 13:21:35 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

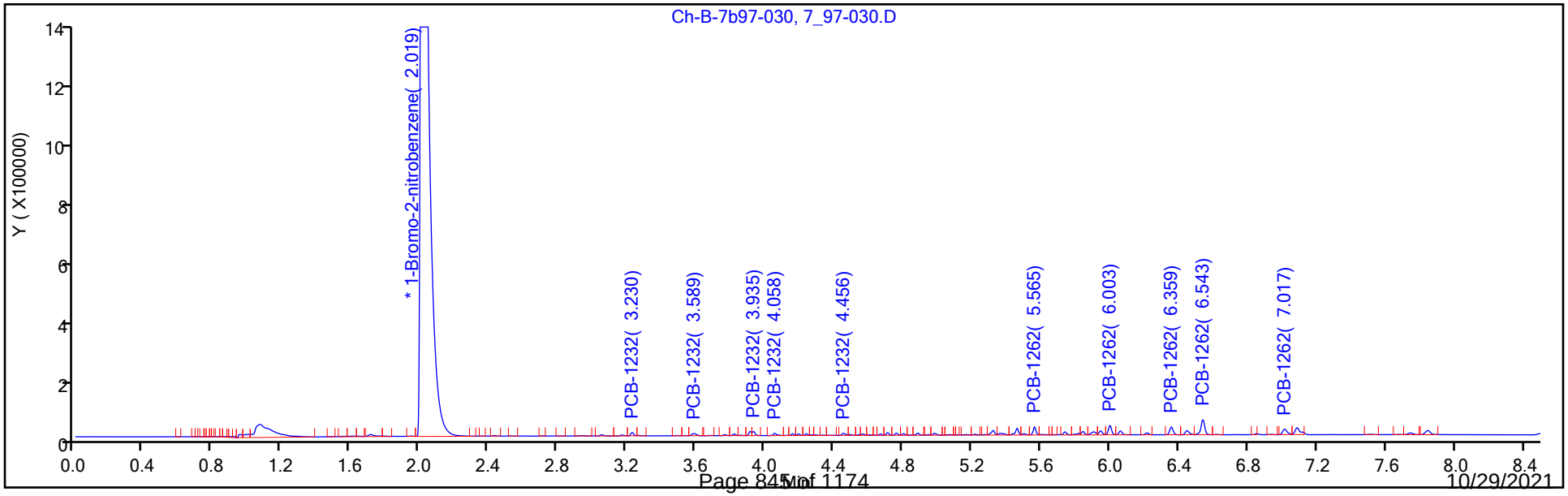
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-030.D

Injection Date:	14-May-2021 22:28:21	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC level 1			Worklist Smp#:	18
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-031.D
Lims ID: IC level 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 14-May-2021 22:44:09 ALS Bottle#: 0 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub8

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2021 13:21:36 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1602

First Level Reviewer: schickr Date: 15-May-2021 13:11:19

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.826	1.826	0.000	12369851	0.5000	0.5000	
2	2.016	2.016	0.000	11856903	0.5000	0.5000	
						RPD = 0.00	
15 PCB-1232							
1	3.078	3.078	0.000	283813	0.5000	0.5206	
1	3.413	3.413	0.000	147759	0.5000	0.5101	
1	3.793	3.793	0.000	329398	0.5000	0.4845	
1	3.878	3.878	0.000	195284	0.5000	0.4994	
1	3.944	3.944	0.000	135815	0.5000	0.5021	
		Average of Peak Amounts =				0.5033	
2	3.228	3.228	0.000	238426	0.5000	0.5124	
2	3.589	3.589	0.000	237445	0.5000	0.5100	
2	3.932	3.932	0.000	302024	0.5000	0.4937	
2	4.055	4.055	0.000	187717	0.5000	0.4992	
2	4.453	4.453	0.000	168044	0.5000	0.4956	
		Average of Peak Amounts =				0.5022	
						RPD = 0.23	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
7 PCB-1262							
1	5.483	5.483	0.000	593335	0.5000	0.4916	
1	5.884	5.884	0.000	834947	0.5000	0.4943	
1	6.383	6.383	0.000	1588043	0.5000	0.4980	
1	6.821	6.821	0.000	625976	0.5000	0.4899	
1	6.890	6.890	0.000	631534	0.5000	0.4898	
		Average of Peak Amounts =				0.4927	
2	5.562	5.562	0.000	542494	0.5000	0.4911	
2	5.999	5.999	0.000	783127	0.5000	0.4910	
2	6.355	6.355	0.000	729146	0.5000	0.4881	
2	6.538	6.538	0.000	1664407	0.5000	0.4947	
2	7.013	7.013	0.000	696446	0.5000	0.4869	
		Average of Peak Amounts =				0.4903	
						RPD = 0.49	

QC Flag Legend

Processing Flags

Reagents:

32-62w/IS@0.5_00087 Amount Added: 1.00 Units: mL

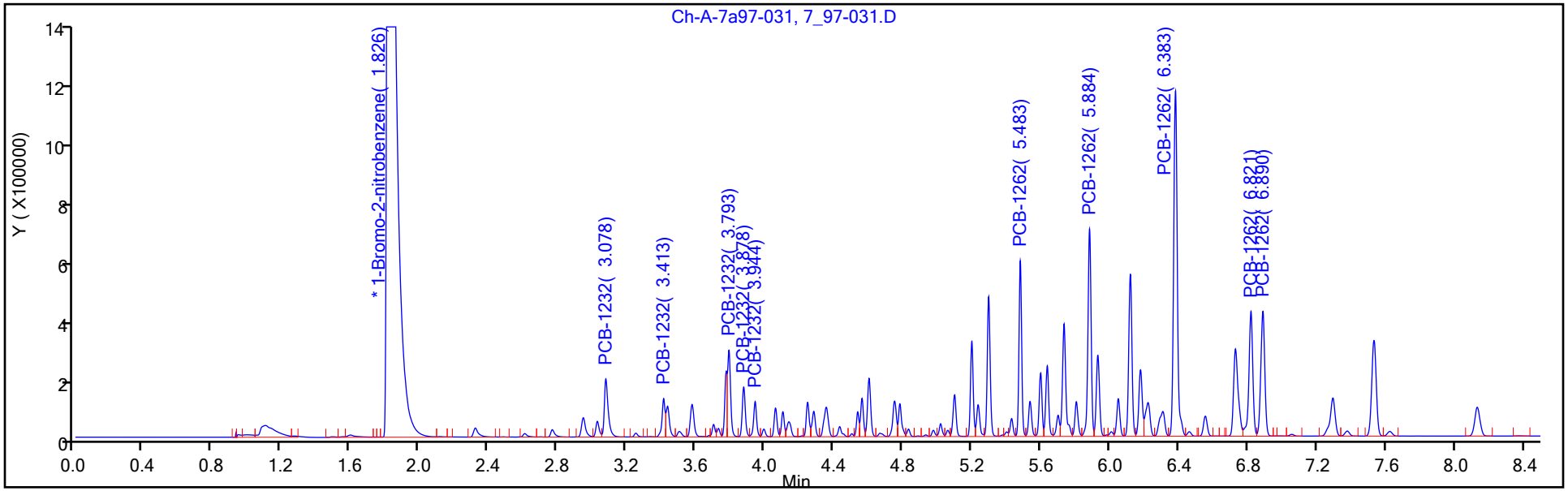
Report Date: 15-May-2021 13:21:37 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

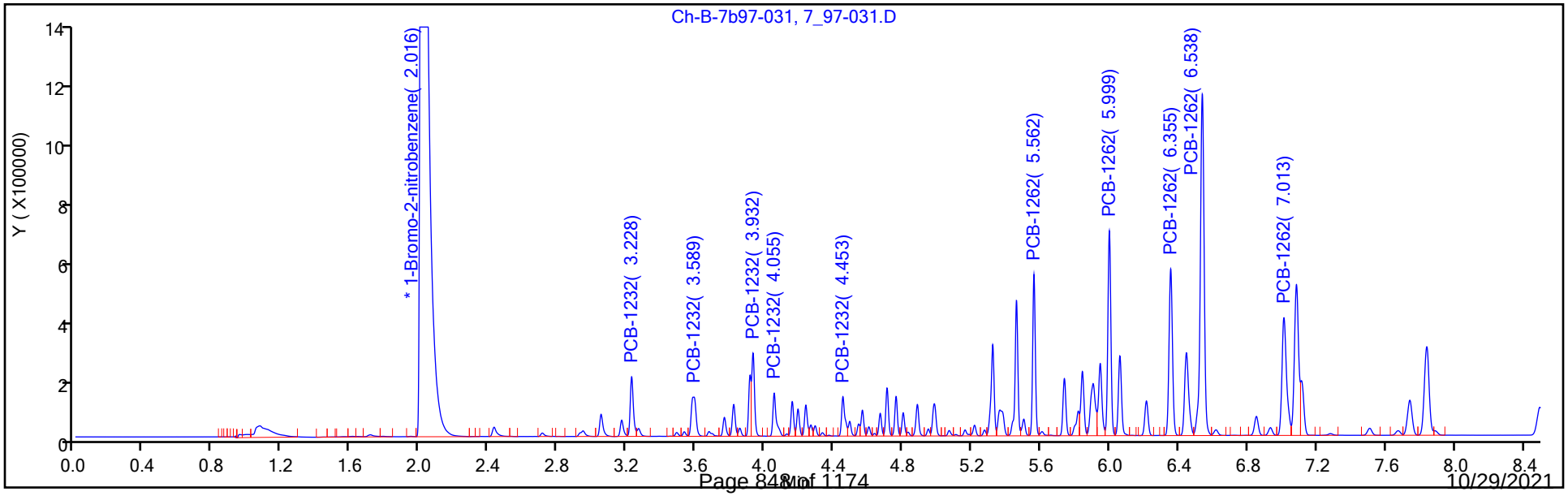
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-031.D

Injection Date:	14-May-2021 22:44:09	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC level 2			Worklist Smp#:	19
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-032.D
Lims ID: IC level 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 14-May-2021 23:00:09 ALS Bottle#: 0 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub8

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2021 13:21:38 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1602

First Level Reviewer: schickr Date: 15-May-2021 13:14:19

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.824	1.826	-0.002	11759833	0.5000	0.5000	
2	2.015	2.016	-0.001	11233839	0.5000	0.5000	
						RPD = 0.00	
15 PCB-1232							
1	3.079	3.078	0.001	1007816	2.00	1.98	
1	3.414	3.413	0.001	531208	2.00	1.96	
1	3.793	3.793	0.001	1315495	2.00	2.06	
1	3.879	3.878	0.001	721025	2.00	2.00	
1	3.944	3.944	0.000	503448	2.00	1.99	
		Average of Peak Amounts =				2.00	
2	3.227	3.228	-0.001	850117	2.00	1.95	
2	3.583	3.589	-0.006	854654	2.00	1.96	
2	3.933	3.932	0.000	1163966	2.00	2.02	
2	4.054	4.055	-0.001	704007	2.00	2.00	
2	4.454	4.453	0.001	638181	2.00	2.02	
		Average of Peak Amounts =				1.99	
						RPD = 0.36	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
7 PCB-1262							
1	5.484	5.483	0.002	2297089	2.00	2.03	
1	5.886	5.884	0.002	3210345	2.00	2.02	
1	6.384	6.383	0.001	6046019	2.00	2.01	
1	6.823	6.821	0.002	2453999	2.00	2.04	
1	6.891	6.890	0.001	2476500	2.00	2.04	
		Average of Peak Amounts =				2.03	
2	5.563	5.562	0.001	2103169	2.00	2.03	
2	6.001	5.999	0.002	3054387	2.00	2.04	
2	6.357	6.355	0.002	2877969	2.00	2.05	
2	6.540	6.538	0.002	6413639	2.00	2.02	
2	7.014	7.013	0.002	2766356	2.00	2.05	
		Average of Peak Amounts =				2.04	
						RPD = 0.46	

QC Flag Legend

Processing Flags

Reagents:

32-62w/IS@2.0_00020 Amount Added: 1.00 Units: mL

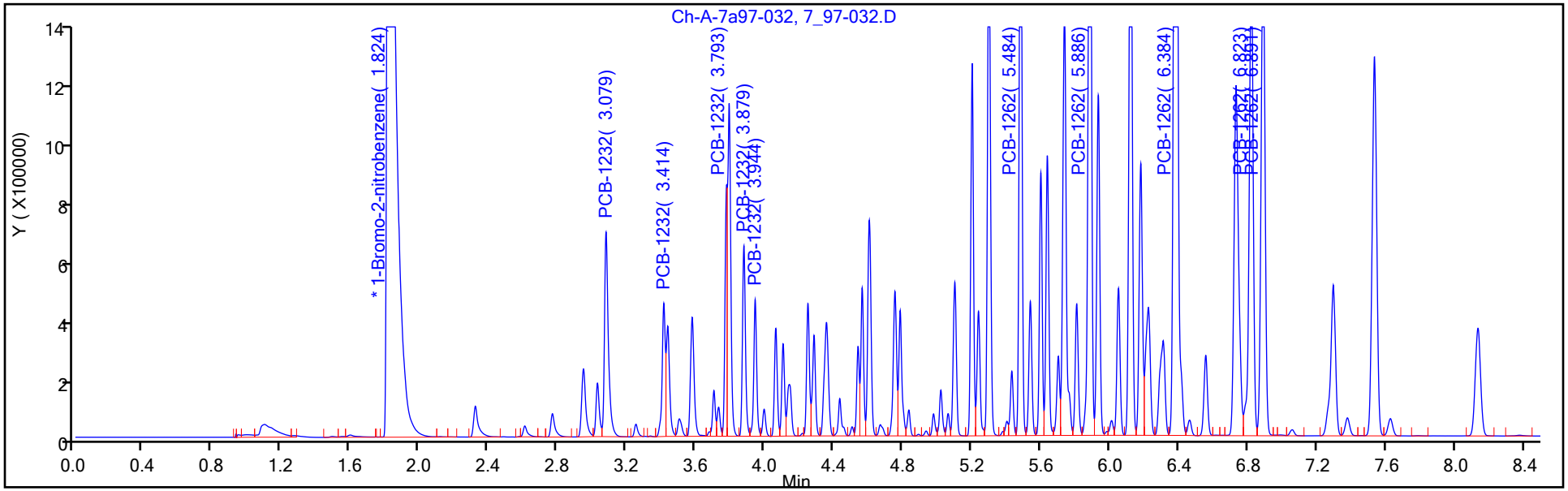
Report Date: 15-May-2021 13:21:38 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

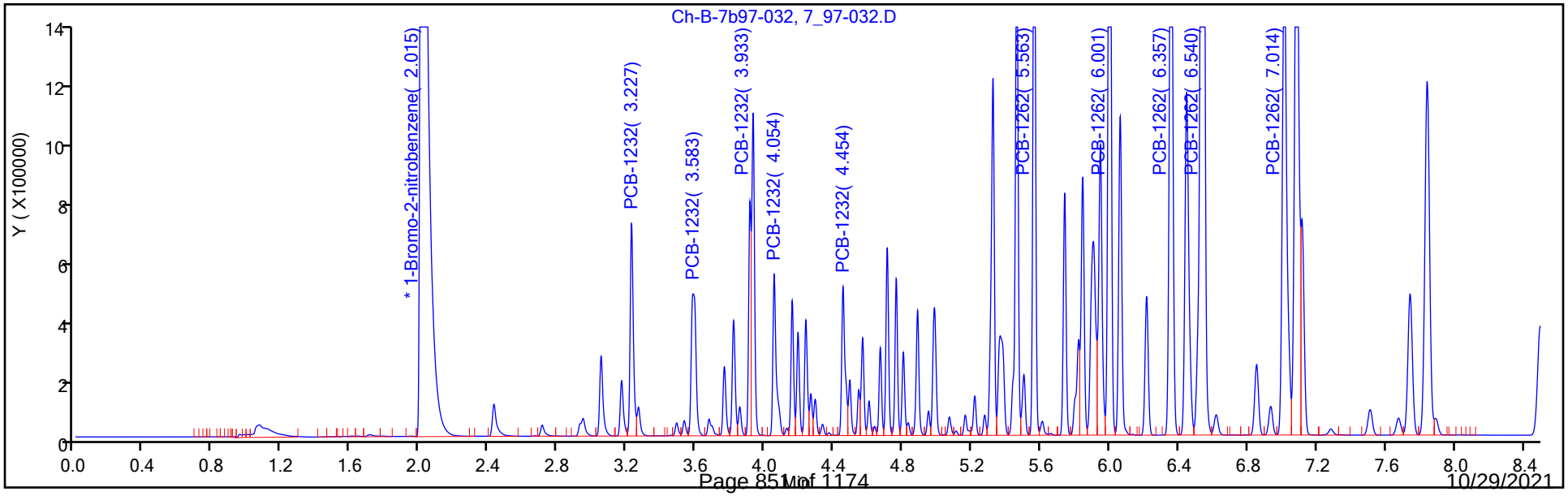
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-032.D

Injection Date:	14-May-2021 23:00:09	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC level 3			Worklist Smp#:	20
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Calibration / PCB-1232 Peak 1

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

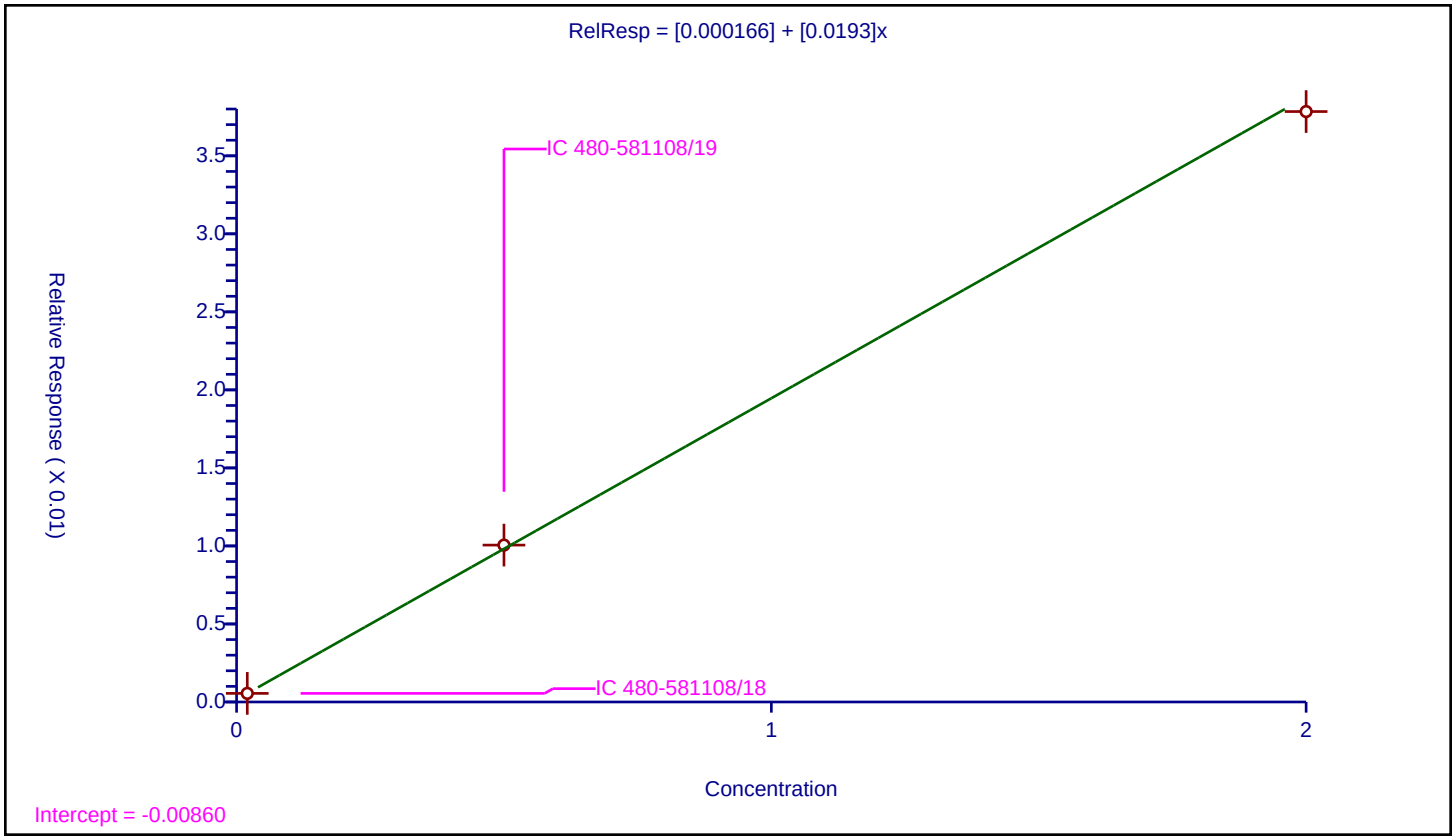
Curve Coefficients

Intercept:	0.000166
Slope:	0.0193

Error Coefficients

Standard Error:	883000
Relative Standard Error:	3.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/18	0.02	0.000552	0.5	11458576.0	0.027584	Y
2	IC 480-581108/19	0.5	0.010054	0.5	11856903.0	0.020109	Y
3	IC 480-581108/20	2.0	0.037837	0.5	11233839.0	0.018919	Y



Calibration / PCB-1232 Peak 2

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

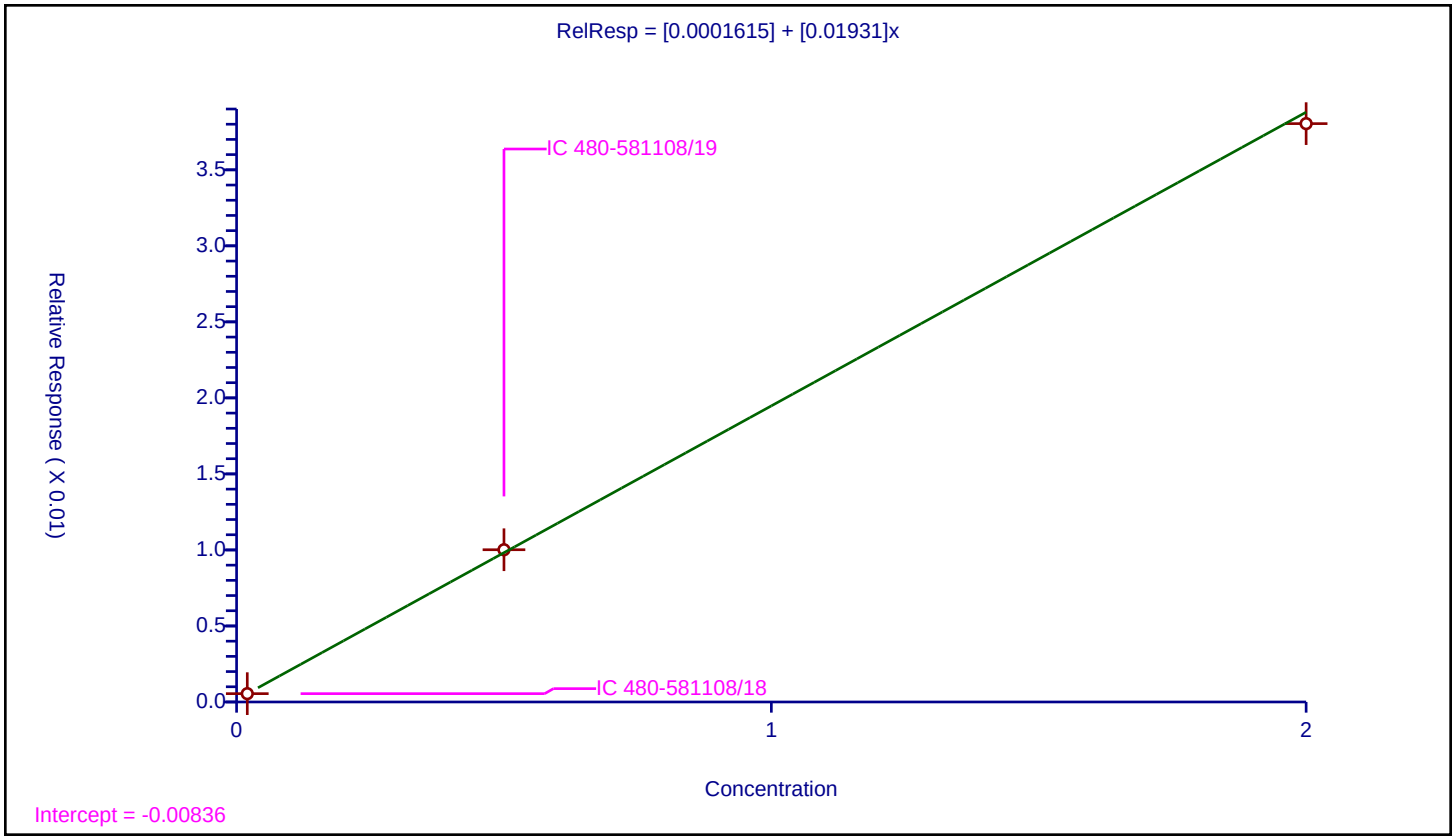
Curve Coefficients

Intercept:	0.0001615
Slope:	0.01931

Error Coefficients

Standard Error:	887000
Relative Standard Error:	2.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/18	0.02	0.000548	0.5	11458576.0	0.027379	Y
2	IC 480-581108/19	0.5	0.010013	0.5	11856903.0	0.020026	Y
3	IC 480-581108/20	2.0	0.038039	0.5	11233839.0	0.01902	Y



Calibration / PCB-1232 Peak 3

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

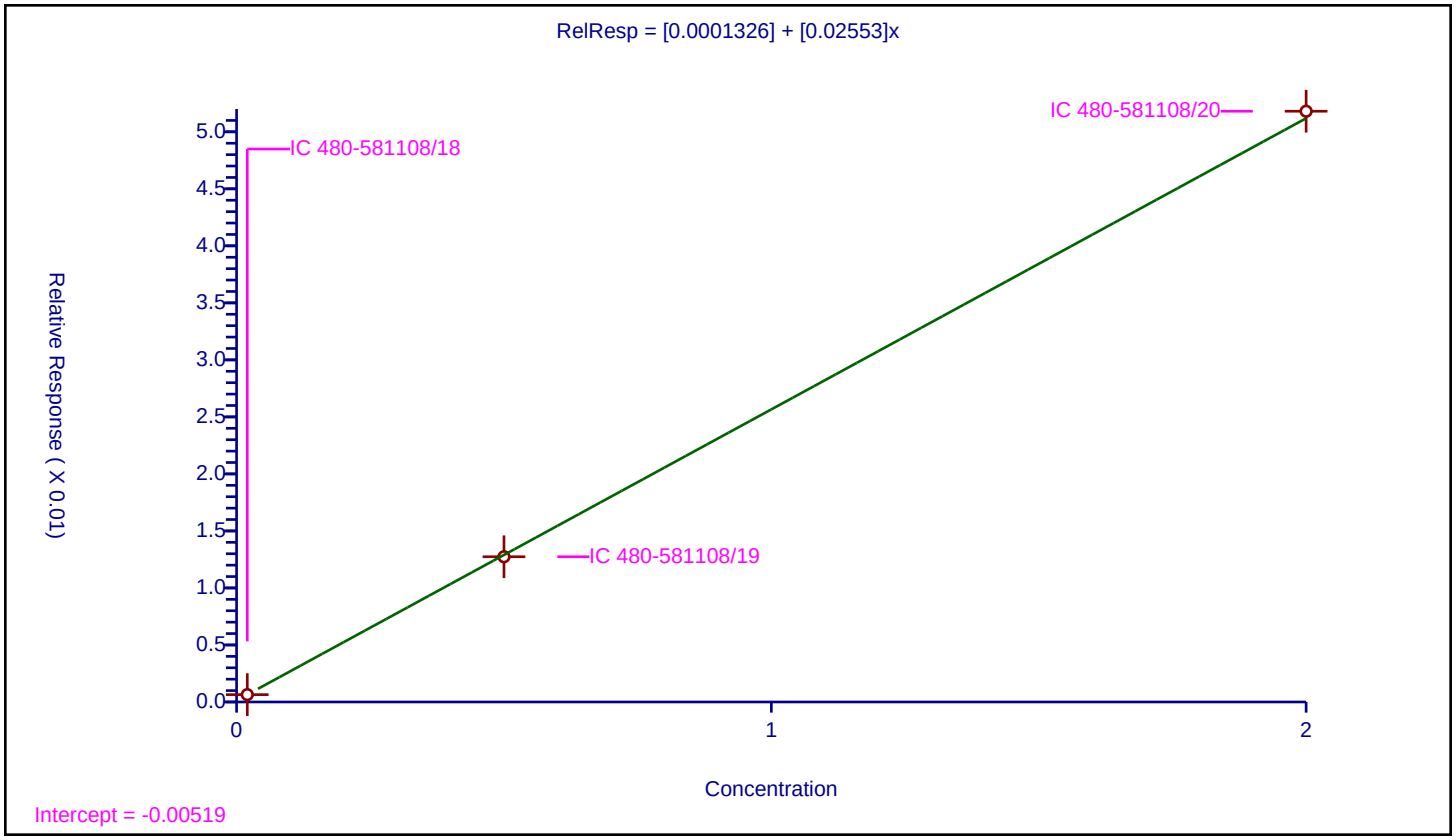
Curve Coefficients

Intercept:	0.0001326
Slope:	0.02553

Error Coefficients

Standard Error:	1200000
Relative Standard Error:	1.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/18	0.02	0.000643	0.5	11458576.0	0.032166	Y
2	IC 480-581108/19	0.5	0.012736	0.5	11856903.0	0.025472	Y
3	IC 480-581108/20	2.0	0.051806	0.5	11233839.0	0.025903	Y



Calibration / PCB-1232 Peak 4

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

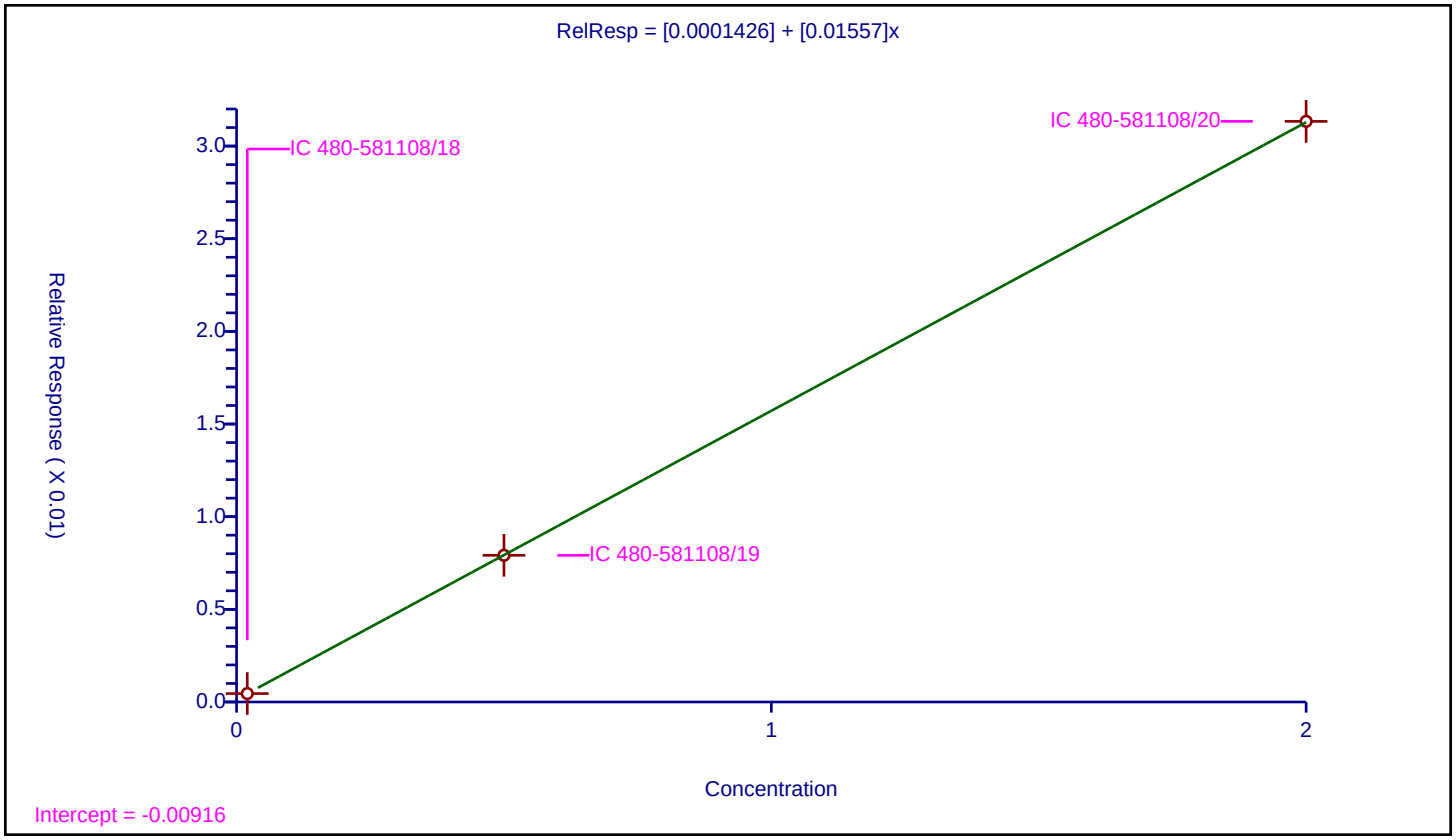
Curve Coefficients

Intercept:	0.0001426
Slope:	0.01557

Error Coefficients

Standard Error:	729000
Relative Standard Error:	0.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/18	0.02	0.000454	0.5	11458576.0	0.022704	Y
2	IC 480-581108/19	0.5	0.007916	0.5	11856903.0	0.015832	Y
3	IC 480-581108/20	2.0	0.031334	0.5	11233839.0	0.015667	Y



Calibration / PCB-1232 Peak 5

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

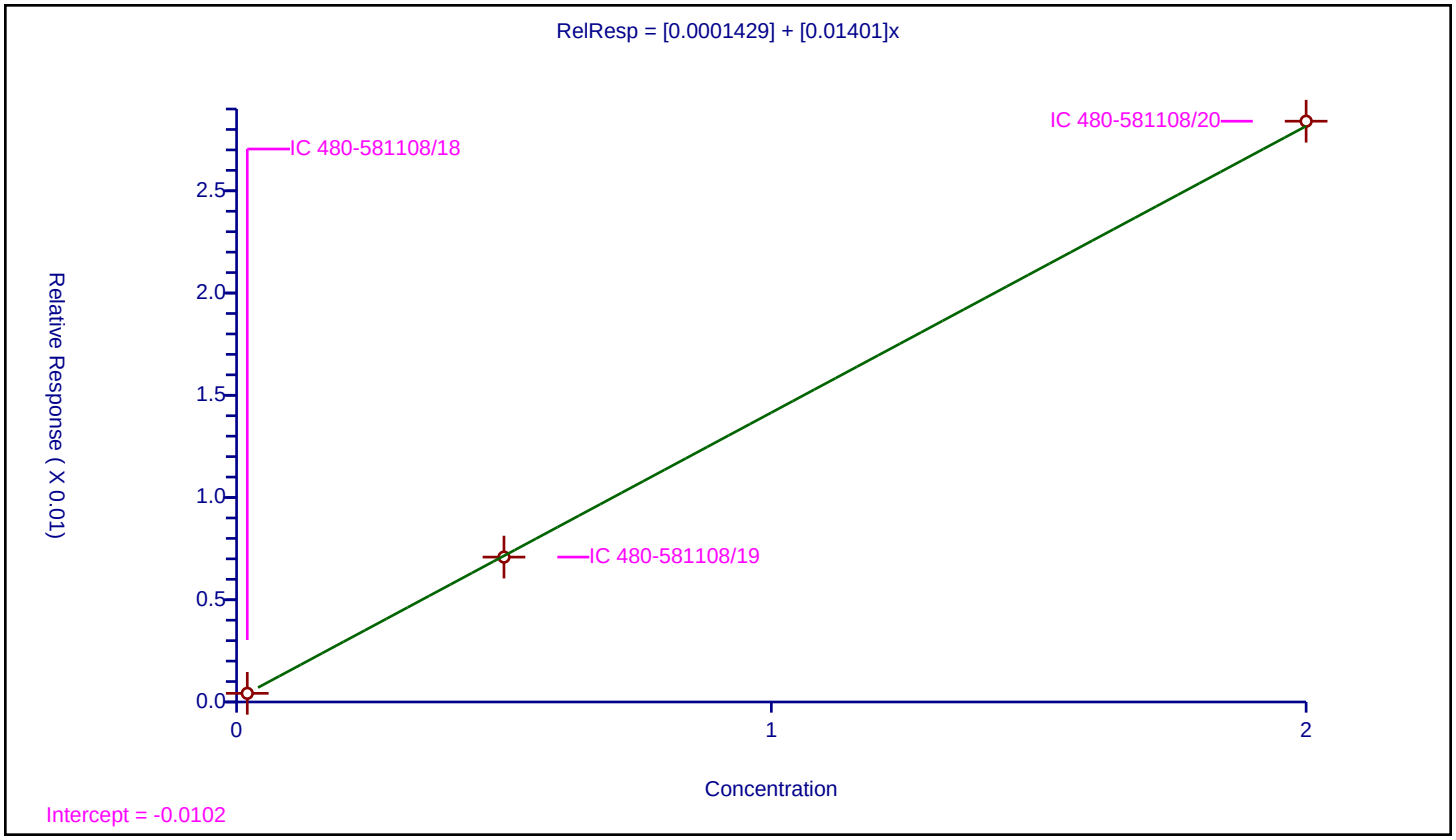
Curve Coefficients

Intercept:	0.0001429
Slope:	0.01401

Error Coefficients

Standard Error:	660000
Relative Standard Error:	1.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/18	0.02	0.000423	0.5	11458576.0	0.021159	Y
2	IC 480-581108/19	0.5	0.007086	0.5	11856903.0	0.014173	Y
3	IC 480-581108/20	2.0	0.028404	0.5	11233839.0	0.014202	Y



Calibration / PCB-1262 Peak 1

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

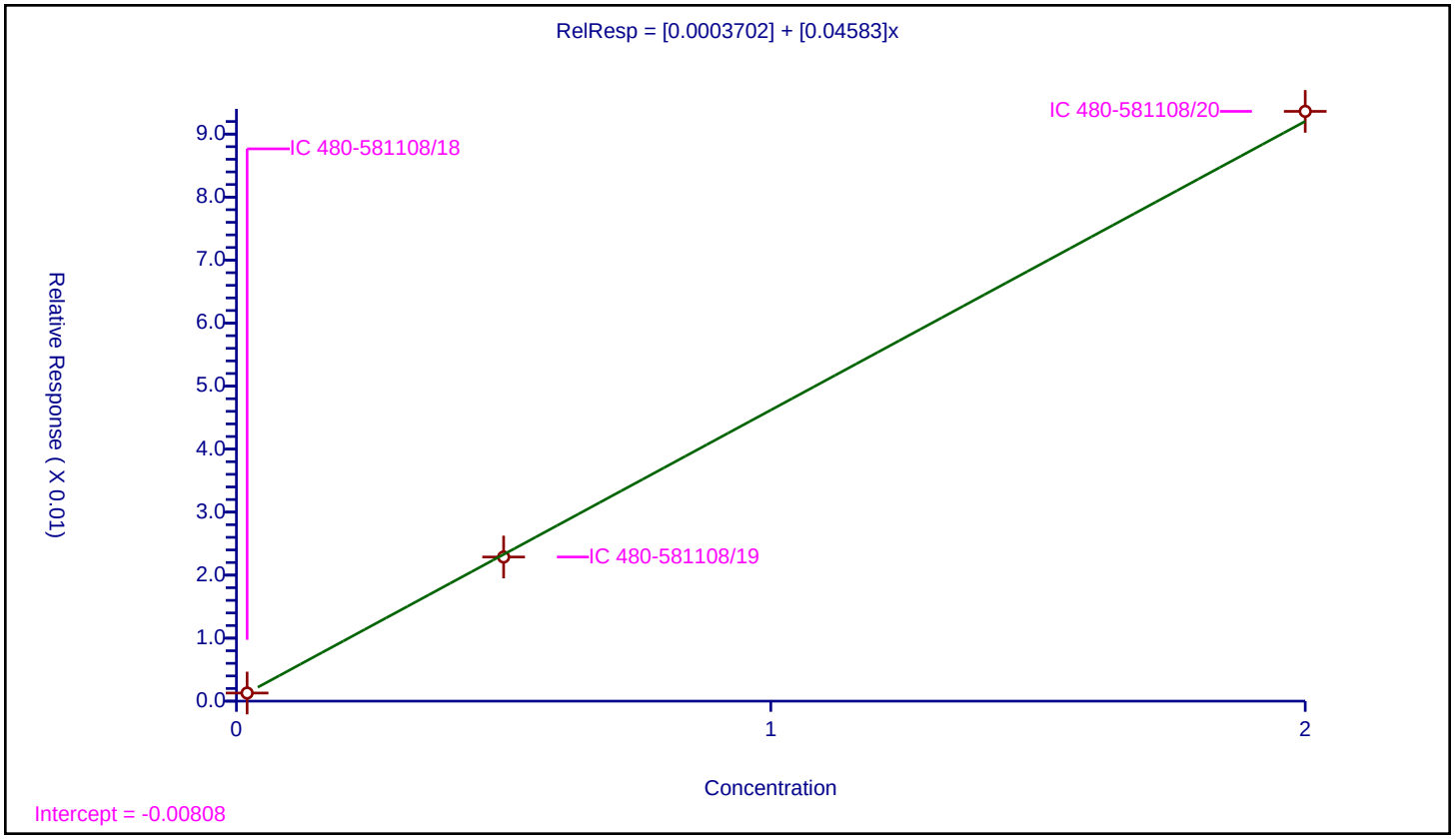
Curve Coefficients

Intercept:	0.0003702
Slope:	0.04583

Error Coefficients

Standard Error:	2170000
Relative Standard Error:	2.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/18	0.02	0.001287	0.5	11458576.0	0.064362	Y
2	IC 480-581108/19	0.5	0.022877	0.5	11856903.0	0.045753	Y
3	IC 480-581108/20	2.0	0.093609	0.5	11233839.0	0.046804	Y



Calibration / PCB-1262 Peak 2

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

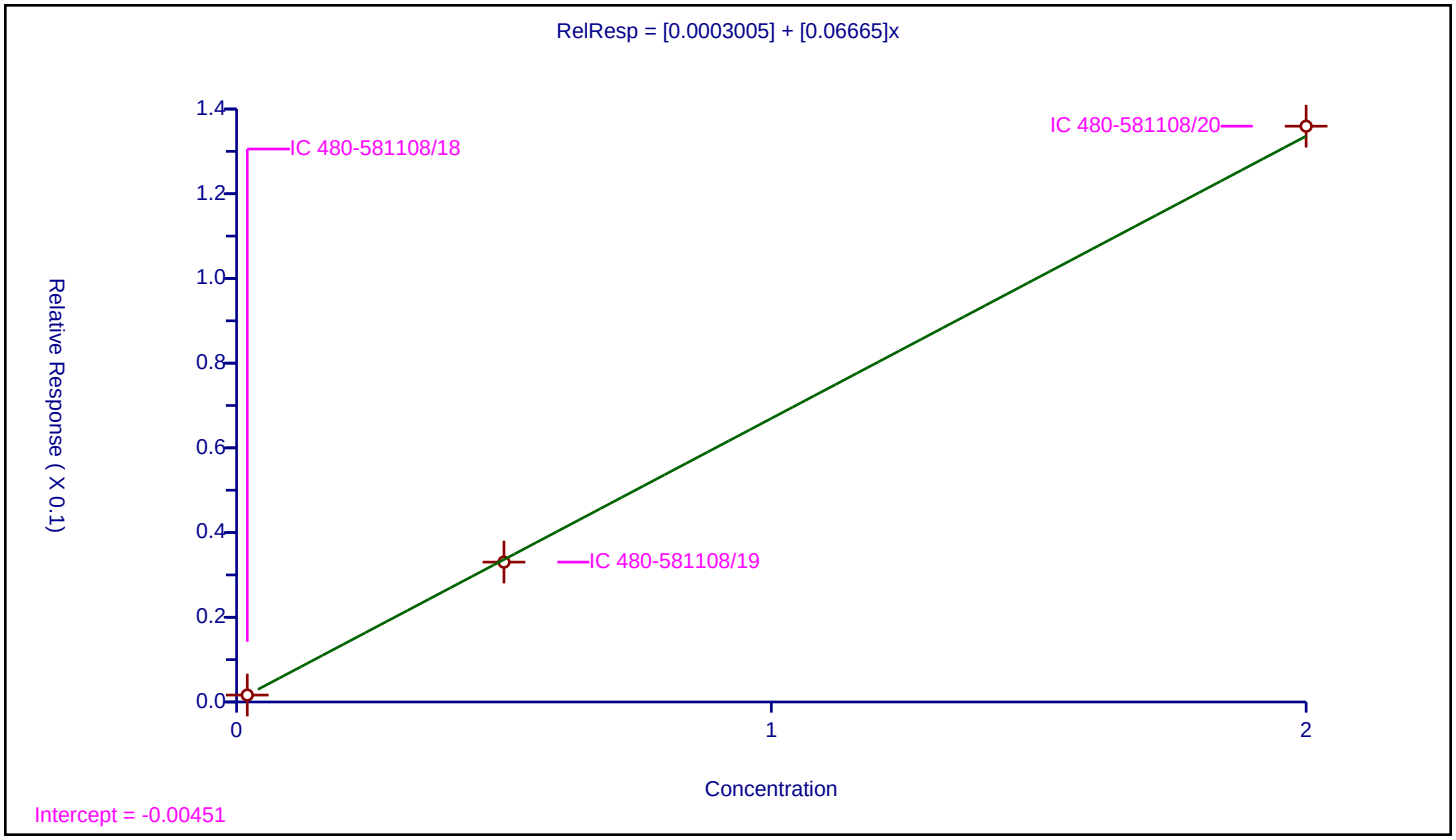
Curve Coefficients

Intercept:	0.0003005
Slope:	0.06665

Error Coefficients

Standard Error:	3150000
Relative Standard Error:	2.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/18	0.02	0.001634	0.5	11458576.0	0.081714	Y
2	IC 480-581108/19	0.5	0.033024	0.5	11856903.0	0.066048	Y
3	IC 480-581108/20	2.0	0.135946	0.5	11233839.0	0.067973	Y



Calibration / PCB-1262 Peak 3

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

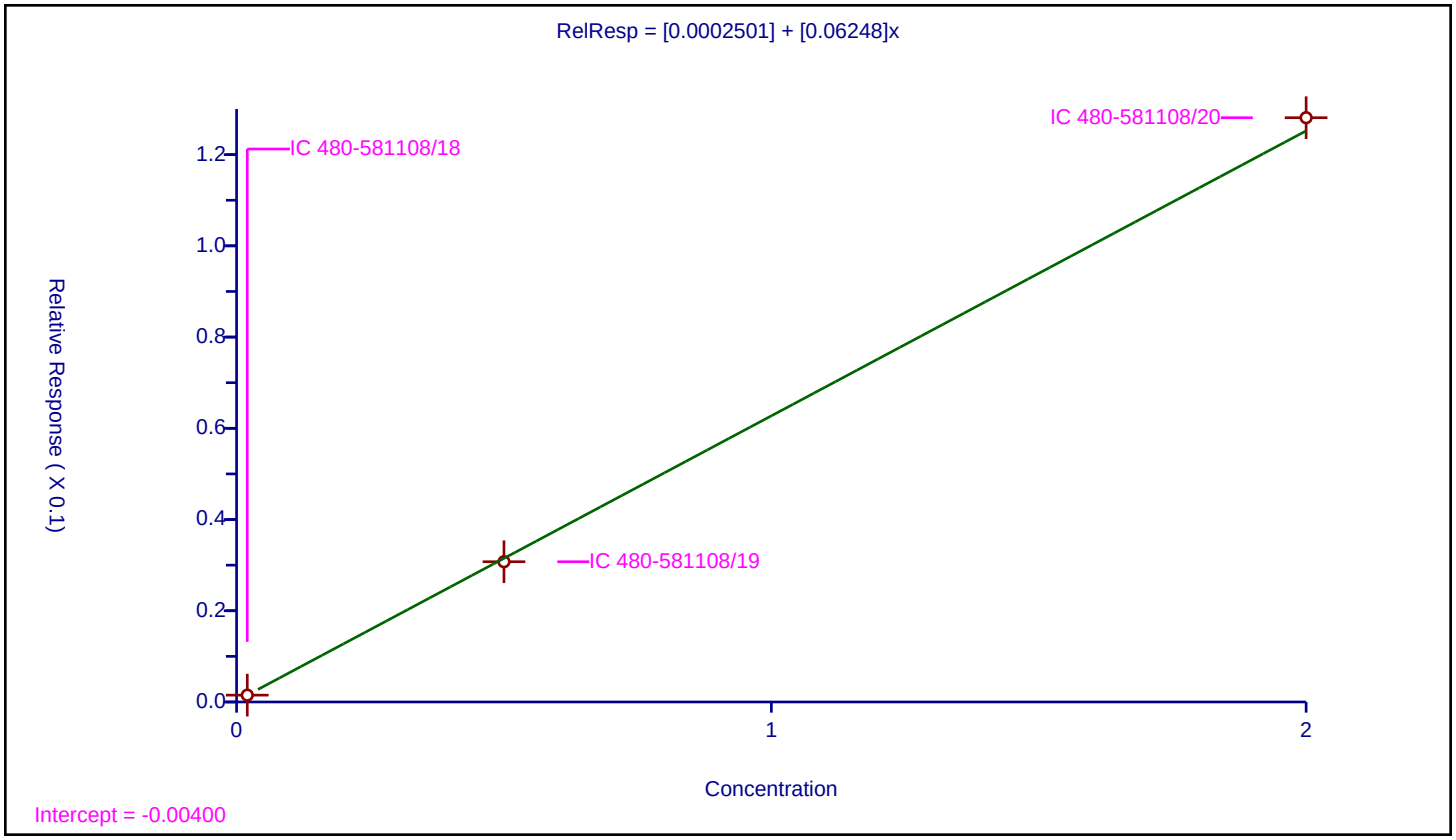
Curve Coefficients

Intercept:	0.0002501
Slope:	0.06248

Error Coefficients

Standard Error:	2970000
Relative Standard Error:	3.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/18	0.02	0.001501	0.5	11458576.0	0.075031	Y
2	IC 480-581108/19	0.5	0.030748	0.5	11856903.0	0.061495	Y
3	IC 480-581108/20	2.0	0.128094	0.5	11233839.0	0.064047	Y



Calibration / PCB-1262 Peak 4

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

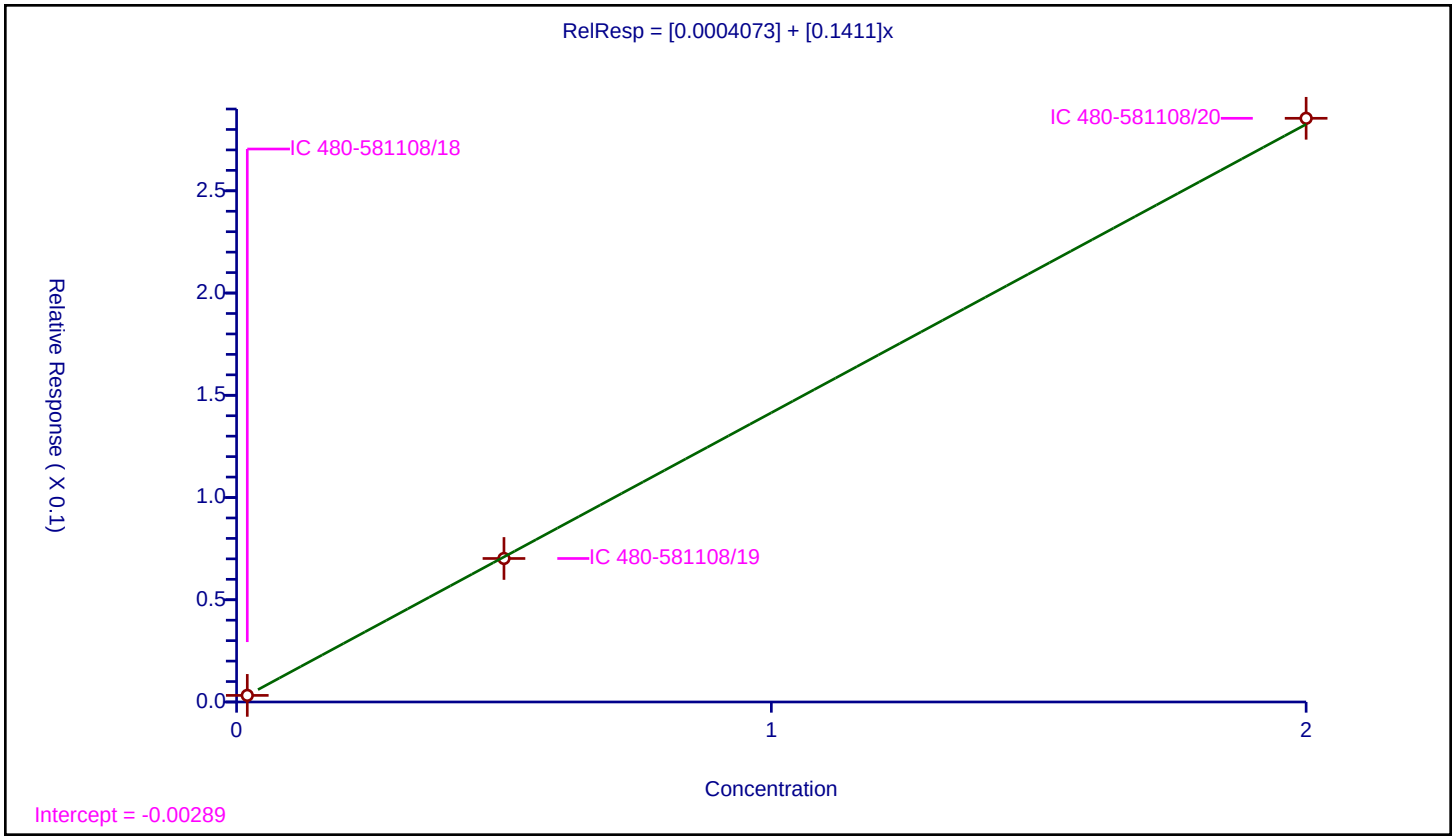
Curve Coefficients

Intercept:	0.0004073
Slope:	0.1411

Error Coefficients

Standard Error:	6630000
Relative Standard Error:	1.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/18	0.02	0.00323	0.5	11458576.0	0.161475	Y
2	IC 480-581108/19	0.5	0.070187	0.5	11856903.0	0.140375	Y
3	IC 480-581108/20	2.0	0.285461	0.5	11233839.0	0.14273	Y



Calibration / PCB-1262 Peak 5

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

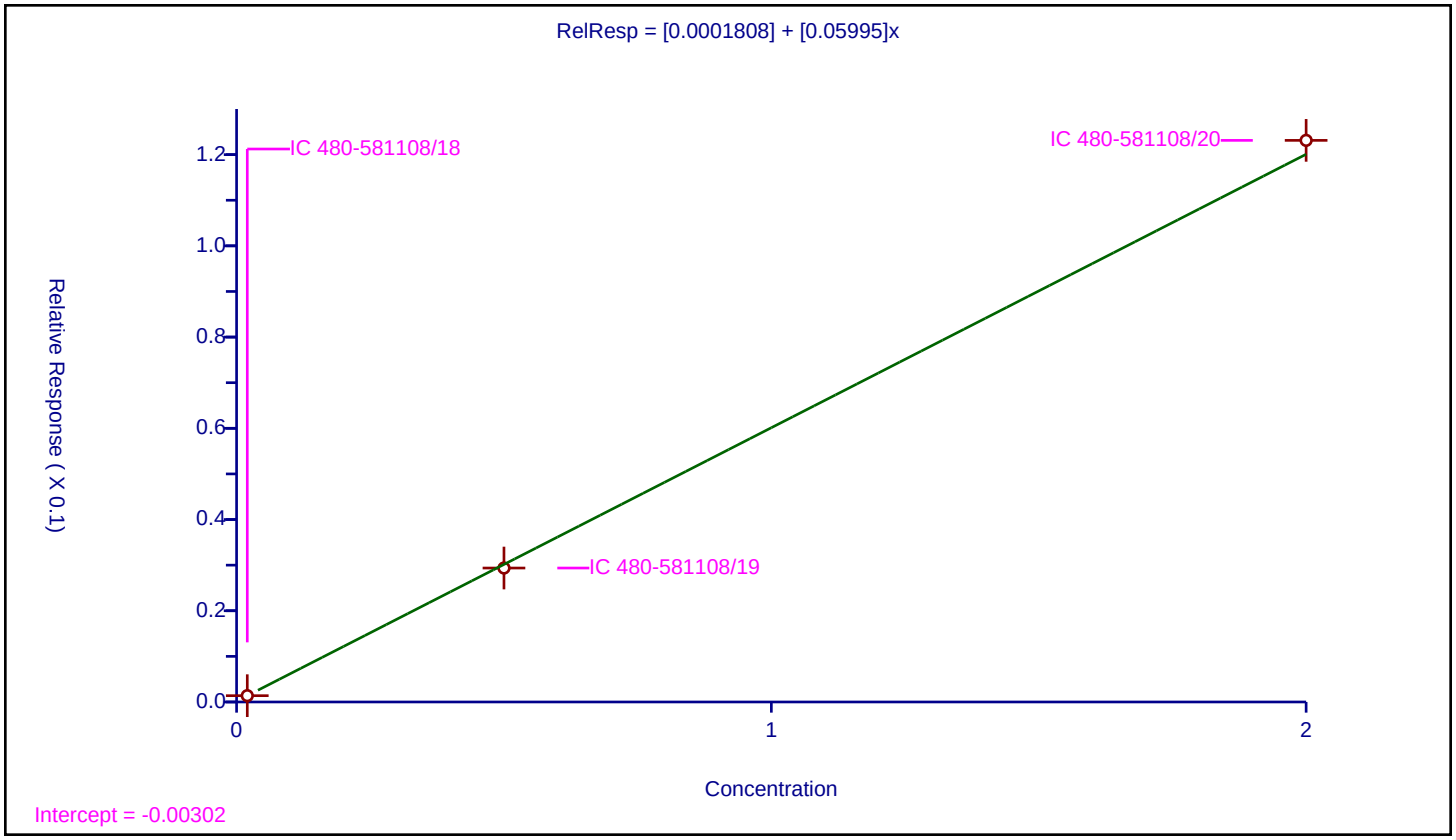
Curve Coefficients

Intercept:	0.0001808
Slope:	0.05995

Error Coefficients

Standard Error:	2850000
Relative Standard Error:	3.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/18	0.02	0.001381	0.5	11458576.0	0.069038	Y
2	IC 480-581108/19	0.5	0.029369	0.5	11856903.0	0.058738	Y
3	IC 480-581108/20	2.0	0.123126	0.5	11233839.0	0.061563	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 581108

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/14/2021 23:31 Calibration End Date: 05/15/2021 00:03 Calibration ID: 41841

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-581108/22	7_97-034.D
Level 2	IC 480-581108/23	7_97-035.D
Level 3	IC 480-581108/24	7_97-036.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3				B	M1	M2								
PCB-1242 Peak 1	0.0246	0.0165	0.0151			Lin1	0.0002	0.0152				6.9			0.9990		0.9900
PCB-1242 Peak 2	0.0300	0.0204	0.0190			Lin1	0.0002	0.0191				5.7			0.9990		0.9900
PCB-1242 Peak 3	0.0629	0.0505	0.0478			Lin2	0.0003	0.0488				3.3			0.9990		0.9900
PCB-1242 Peak 4	0.0427	0.0283	0.0272			Lin1	0.0003	0.0272				2.2			1.0000		0.9900
PCB-1242 Peak 5	0.0292	0.0211	0.0206			Lin1	0.0002	0.0206				1.3			1.0000		0.9900
PCB-1268 Peak 1	0.1763	0.1492	0.1476			Lin2	0.0006	0.1477				0.3			1.0000		0.9900
PCB-1268 Peak 2	0.1587	0.1355	0.1352			Lin2	0.0005	0.1347				0.2			1.0000		0.9900
PCB-1268 Peak 3	0.1413	0.1182	0.1213			Lin2	0.0004	0.1192				2.2			1.0000		0.9900
PCB-1268 Peak 4	0.0722	0.0506	0.0522			Lin1	0.0004	0.0516				4.5			1.0000		0.9900
PCB-1268 Peak 5	0.4364	0.3954	0.3749			Ave		0.4023				7.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 581108

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/14/2021 23:31 Calibration End Date: 05/15/2021 00:03 Calibration ID: 41841

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-581108/22	7_97-034.D
Level 2	IC 480-581108/23	7_97-035.D
Level 3	IC 480-581108/24	7_97-036.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
PCB-1242 Peak 1	BNB	Lin1	11441	194437	697517			0.0200	0.500	2.00		
PCB-1242 Peak 2	BNB	Lin1	13950	241641	877177			0.0200	0.500	2.00		
PCB-1242 Peak 3	BNB	Lin2	29209	596686	2203217			0.0200	0.500	2.00		
PCB-1242 Peak 4	BNB	Lin1	19815	333984	1254398			0.0200	0.500	2.00		
PCB-1242 Peak 5	BNB	Lin1	13541	249890	950076			0.0200	0.500	2.00		
PCB-1268 Peak 1	BNB	Lin2	81859	1762763	6803403			0.0200	0.500	2.00		
PCB-1268 Peak 2	BNB	Lin2	73704	1601448	6230107			0.0200	0.500	2.00		
PCB-1268 Peak 3	BNB	Lin2	65610	1396840	5591223			0.0200	0.500	2.00		
PCB-1268 Peak 4	BNB	Lin1	33515	597572	2407471			0.0200	0.500	2.00		
PCB-1268 Peak 5	BNB	Ave	202696	4673141	17278817			0.0200	0.500	2.00		

Curve Type Legend

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-034.D
Lims ID: IC level 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 14-May-2021 23:31:46 ALS Bottle#: 0 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub9

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2021 13:21:40 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1602

First Level Reviewer: schickr Date: 15-May-2021 13:16:45

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.826	1.826	0.000	11610763	0.5000	0.5000	
2	2.016	2.016	0.000	11181971	0.5000	0.5000	
						RPD = 0.00	
14 PCB-1242							
1	3.078	3.078	0.000	11441	0.0200	0.0192	
1	3.413	3.413	0.000	13950	0.0200	0.0193	
1	3.793	3.793	0.000	29209	0.0200	0.0200	
1	3.878	3.878	0.000	19815	0.0200	0.0197	
1	4.249	4.249	0.000	13541	0.0200	0.0198	
		Average of Peak Amounts =				0.0196	
2	3.228	3.228	0.000	10027	0.0200	0.0191	
2	3.583	3.583	0.000	20702	0.0200	0.0191	
2	3.933	3.933	0.000	25195	0.0200	0.0200	
2	4.055	4.055	0.000	17347	0.0200	0.0200	
2	4.454	4.454	0.000	16662	0.0200	0.0200	
		Average of Peak Amounts =				0.0197	
						RPD = 0.20	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
9 PCB-1268							
1	6.821	6.821	0.000	81859	0.0200	0.0200	
1	6.888	6.888	0.000	73704	0.0200	0.0200	
1	7.269	7.269	0.000	65610	0.0200	0.0200	
1	7.536	7.536	0.000	33515	0.0200	0.0205	
1	8.137	8.137	0.000	202696	0.0200	0.0217	
		Average of Peak Amounts =				0.0204	
2	7.014	7.014	0.000	80740	0.0200	0.0200	
2	7.083	7.083	0.000	76548	0.0200	0.0200	
2	7.512	7.512	0.000	64646	0.0200	0.0200	
2	7.843	7.843	0.000	29931	0.0200	0.0200	
2	8.498	8.498	0.000	205338	0.0200	0.0200	
		Average of Peak Amounts =				0.0200	
						RPD = 2.20	

QC Flag Legend

Processing Flags

Reagents:

42-68w/IS@.02_00022 Amount Added: 1.00 Units: mL

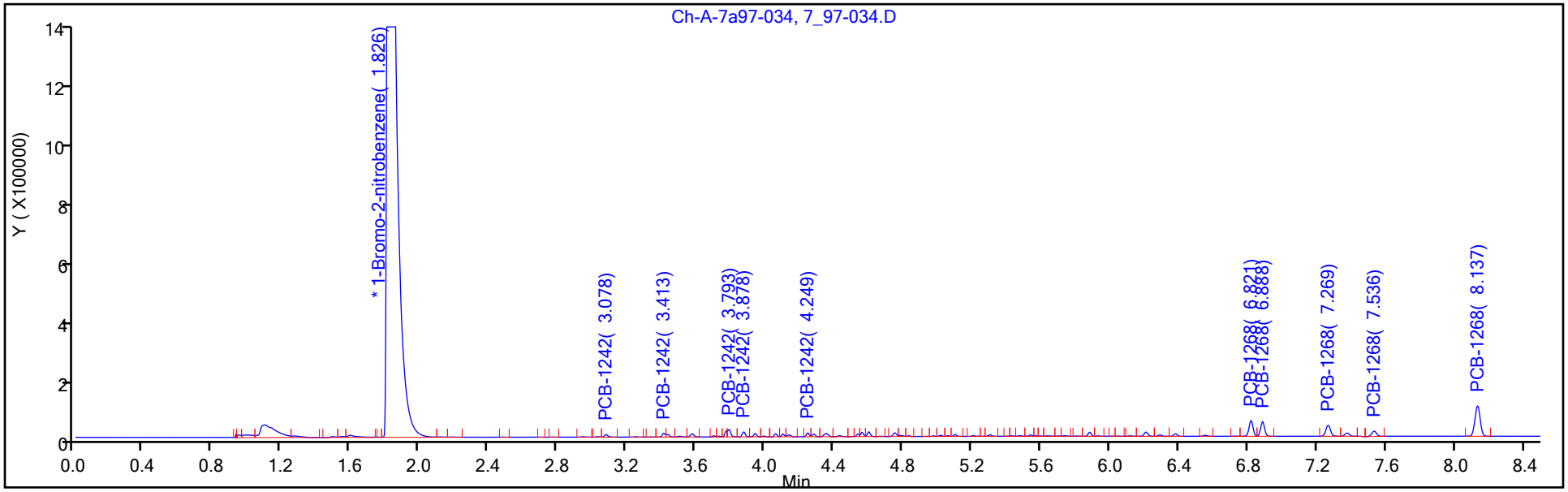
Report Date: 15-May-2021 13:21:40 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

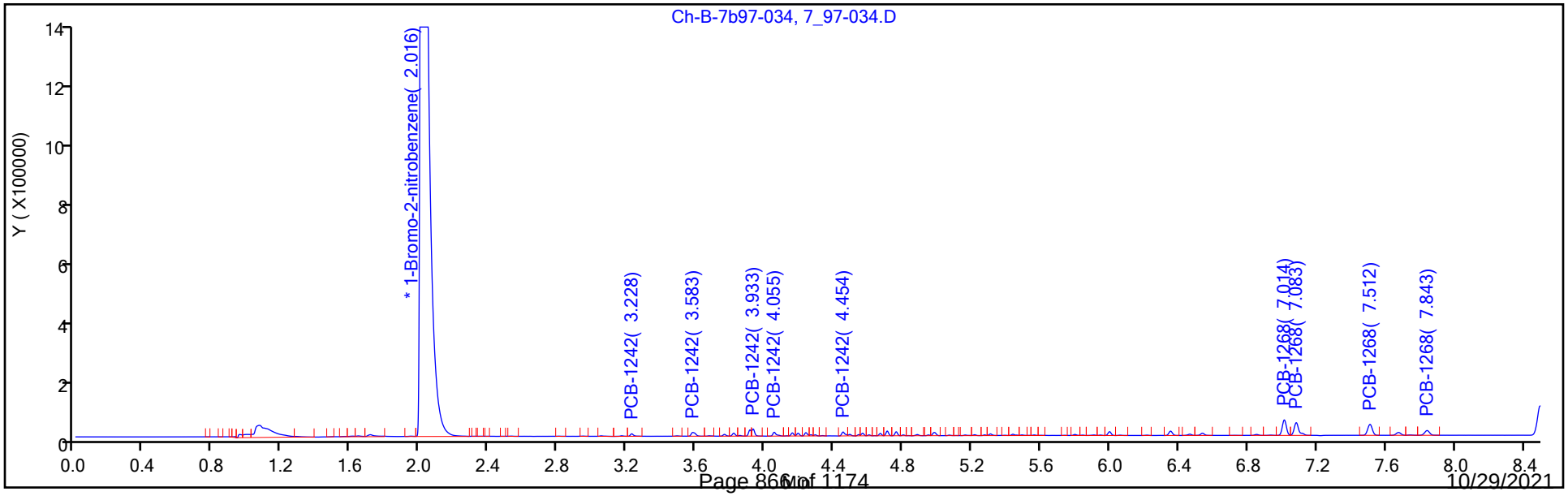
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-034.D

Injection Date:	14-May-2021 23:31:46	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC level 1			Worklist Smp#:	22
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-035.D
Lims ID: IC level 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 14-May-2021 23:47:31 ALS Bottle#: 0 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub9

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2021 13:21:41 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1602

First Level Reviewer: schickr Date: 15-May-2021 13:16:23

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.828	1.828	0.000	11818115	0.5000	0.5000	
2	2.017	2.017	0.000	11382598	0.5000	0.5000	
						RPD = 0.00	
14 PCB-1242							
1	3.078	3.078	0.000	194437	0.5000	0.5269	
1	3.413	3.413	0.000	241641	0.5000	0.5225	
1	3.793	3.793	0.000	596686	0.5000	0.5118	
1	3.878	3.878	0.000	333984	0.5000	0.5084	
1	4.249	4.249	0.000	249890	0.5000	0.5053	
		Average of Peak Amounts =				0.5150	
2	3.228	3.228	0.000	175596	0.5000	0.5287	
2	3.582	3.582	0.000	388278	0.5000	0.5281	
2	3.932	3.932	0.000	523635	0.5000	0.5040	
2	4.054	4.054	0.000	326756	0.5000	0.5041	
2	4.454	4.454	0.000	318004	0.5000	0.4995	
		Average of Peak Amounts =				0.5129	
						RPD = 0.41	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
9 PCB-1268							
1	6.823	6.823	0.000	1762763	0.5000	0.5012	
1	6.888	6.888	0.000	1601448	0.5000	0.4993	
1	7.270	7.270	0.000	1396840	0.5000	0.4920	
1	7.537	7.537	0.000	597572	0.5000	0.4825	
1	8.138	8.138	0.000	4673141	0.5000	0.4915	
		Average of Peak Amounts =				0.4933	
2	7.014	7.014	0.000	1768904	0.5000	0.4993	
2	7.084	7.084	0.000	1648139	0.5000	0.4926	
2	7.511	7.511	0.000	1426828	0.5000	0.4922	
2	7.842	7.842	0.000	599586	0.5000	0.4945	
2	8.498	8.498	0.000	4808012	0.5000	0.5078	
		Average of Peak Amounts =				0.4973	
						RPD = 0.81	

QC Flag Legend

Processing Flags

Reagents:

42-68w/IS@0.5_00089 Amount Added: 1.00 Units: mL

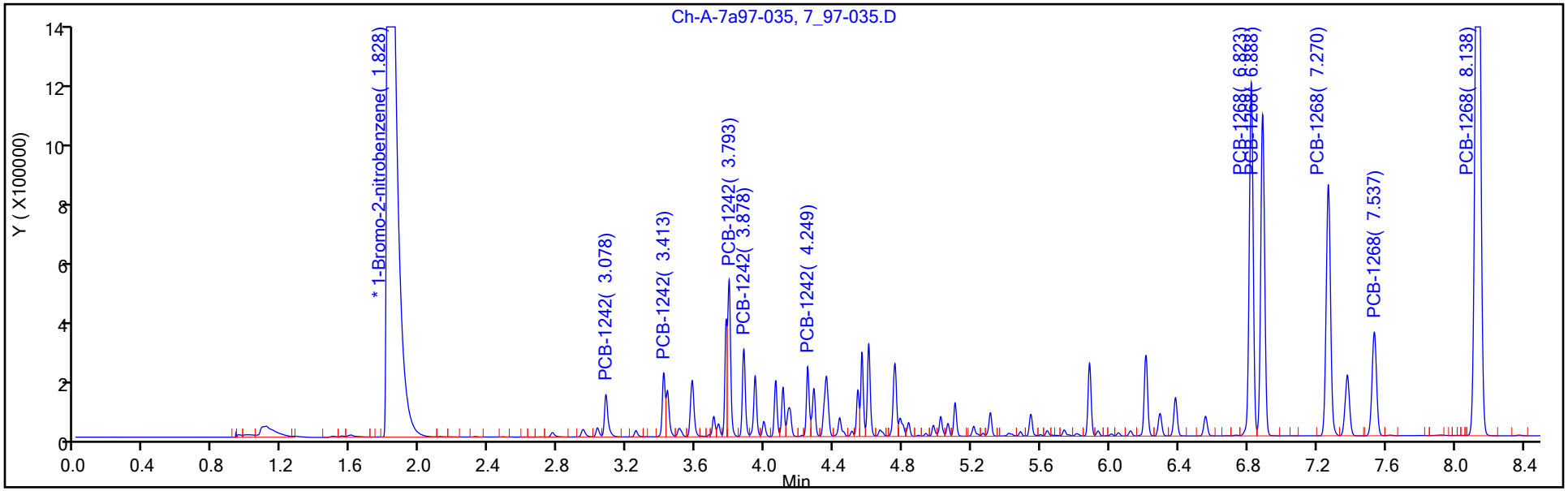
Report Date: 15-May-2021 13:21:41 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

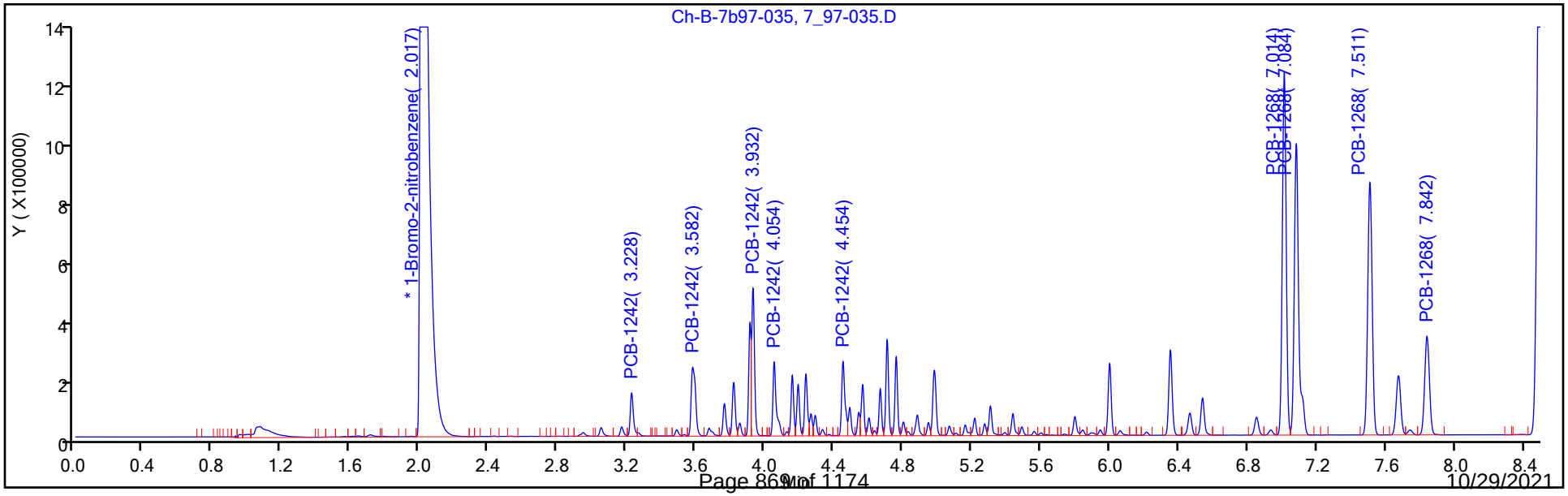
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-035.D

Injection Date:	14-May-2021 23:47:31	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC level 2			Worklist Smp#:	23
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-036.D
Lims ID: IC level 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 15-May-2021 00:03:34 ALS Bottle#: 0 Worklist Smp#: 24
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub9

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2021 13:21:43 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1602

First Level Reviewer: schickr Date: 15-May-2021 13:18:35

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.828	1.828	0.000	11522635	0.5000	0.5000	
2	2.018	2.017	0.001	11097405	0.5000	0.5000	
						RPD = 0.00	
14 PCB-1242							
1	3.080	3.078	0.002	697517	2.00	1.97	
1	3.416	3.413	0.003	877177	2.00	1.98	
1	3.795	3.793	0.002	2203217	2.00	1.95	
1	3.879	3.878	0.001	1254398	2.00	1.99	
1	4.251	4.249	0.002	950076	2.00	1.99	
		Average of Peak Amounts =				1.98	
2	3.228	3.228	0.000	627968	2.00	1.97	
2	3.583	3.582	0.001	1394784	2.00	1.97	
2	3.933	3.932	0.000	1995745	2.00	1.98	
2	4.054	4.054	0.000	1239853	2.00	1.98	
2	4.453	4.454	-0.001	1229884	2.00	2.00	
		Average of Peak Amounts =				1.98	
						RPD = 0.23	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
9 PCB-1268							
1	6.825	6.823	0.003	6803403	2.00	2.00	
1	6.890	6.888	0.002	6230107	2.00	2.00	
1	7.272	7.270	0.002	5591223	2.00	2.03	
1	7.539	7.537	0.002	2407471	2.00	2.02	
1	8.139	8.138	0.002	17278817	2.00	1.86	
		Average of Peak Amounts =				1.98	
2	7.013	7.014	-0.001	6882437	2.00	2.00	
2	7.084	7.084	0.000	6583219	2.00	2.03	
2	7.511	7.511	0.000	5714305	2.00	2.03	
2	7.842	7.842	0.000	2369886	2.00	2.02	
2	8.498	8.498	0.000	18123781	2.00	1.97	
		Average of Peak Amounts =				2.01	
						RPD = 1.43	

QC Flag Legend

Processing Flags

Reagents:

42-68w/IS@2.0_00023 Amount Added: 1.00 Units: mL

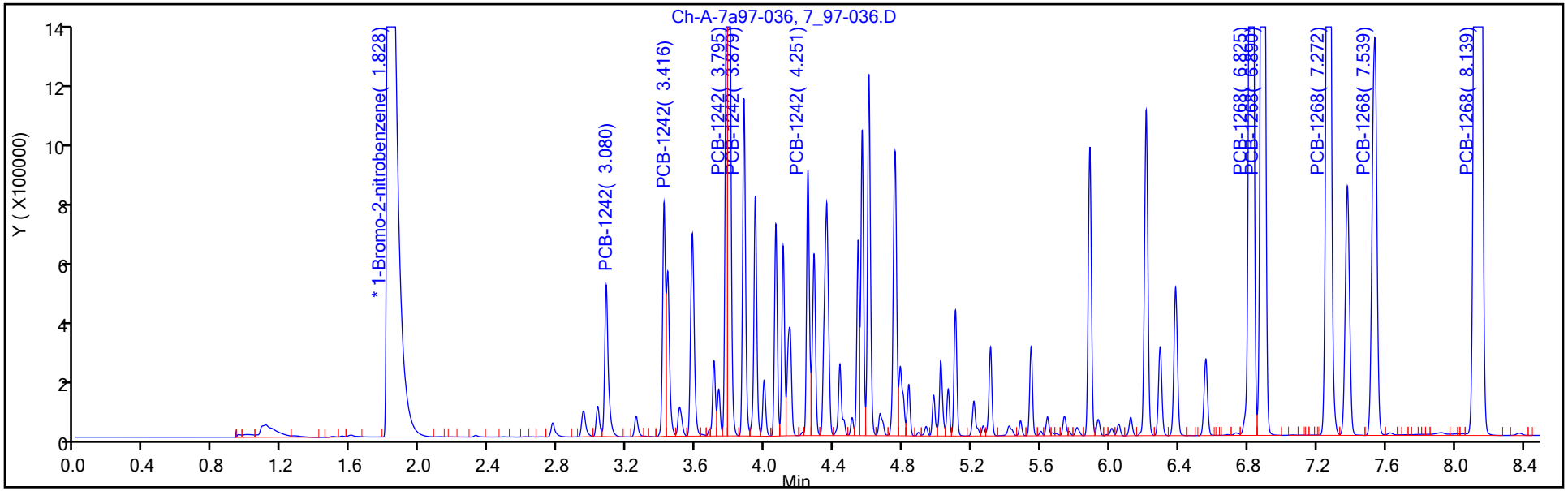
Report Date: 15-May-2021 13:21:43 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

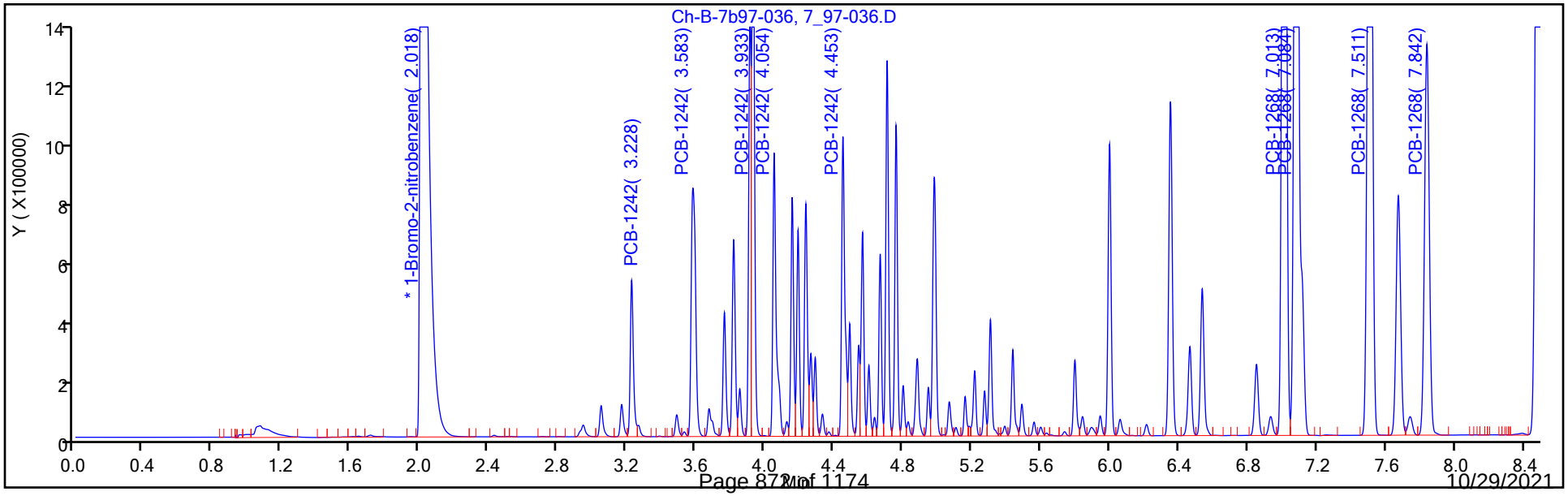
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-036.D

Injection Date:	15-May-2021 00:03:34	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC level 3			Worklist Smp#:	24
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Calibration / PCB-1242 Peak 1

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

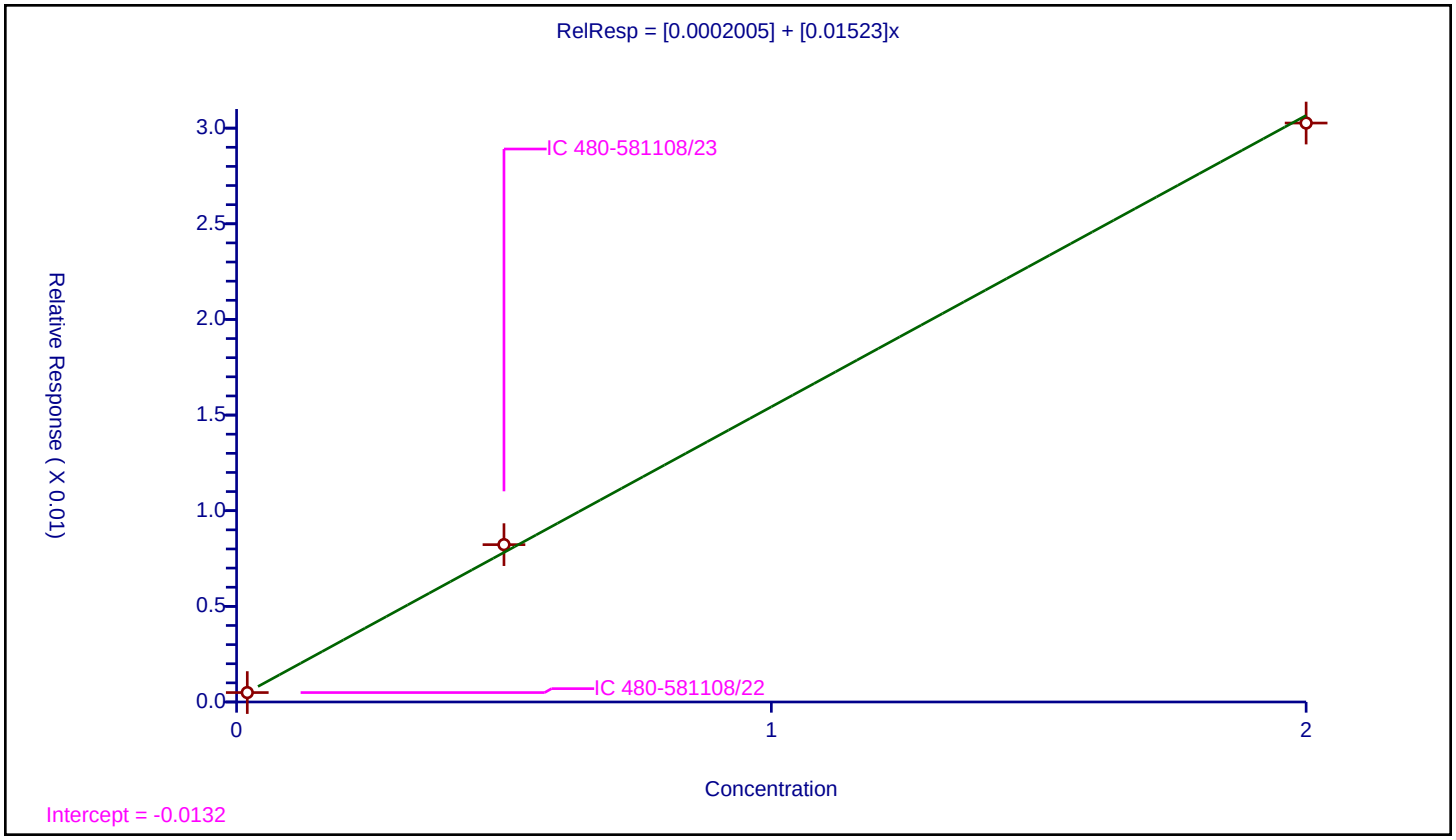
Curve Coefficients

Intercept:	0.0002005
Slope:	0.01523

Error Coefficients

Standard Error:	724000
Relative Standard Error:	6.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/22	0.02	0.000493	0.5	11610763.0	0.024634	Y
2	IC 480-581108/23	0.5	0.008226	0.5	11818115.0	0.016452	Y
3	IC 480-581108/24	2.0	0.030267	0.5	11522635.0	0.015134	Y



Calibration / PCB-1242 Peak 2

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

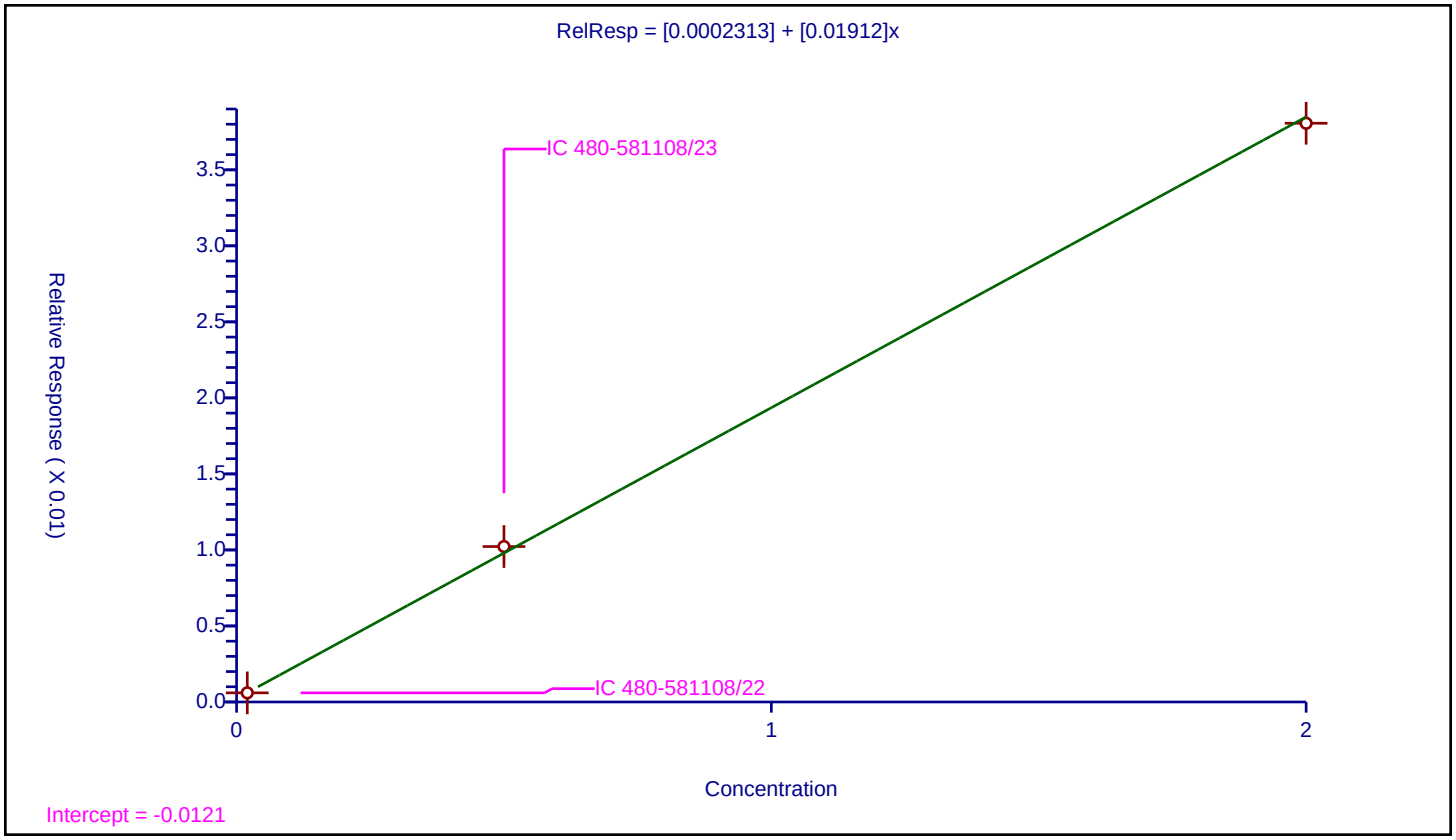
Curve Coefficients

Intercept:	0.0002313
Slope:	0.01912

Error Coefficients

Standard Error:	910000
Relative Standard Error:	5.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/22	0.02	0.000601	0.5	11610763.0	0.030037	Y
2	IC 480-581108/23	0.5	0.010223	0.5	11818115.0	0.020447	Y
3	IC 480-581108/24	2.0	0.038063	0.5	11522635.0	0.019032	Y



Calibration / PCB-1242 Peak 3

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

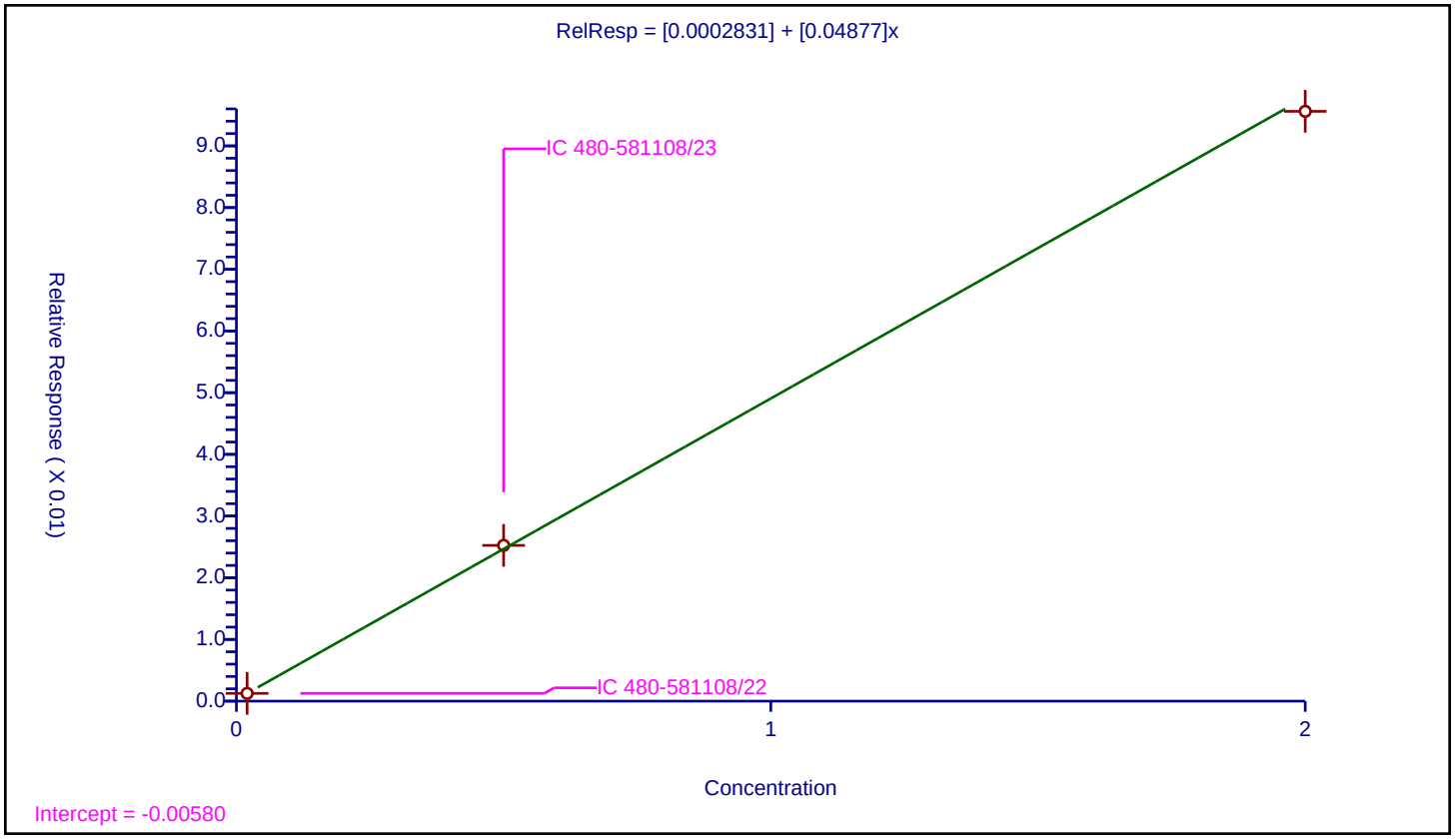
Curve Coefficients

Intercept:	0.0002831
Slope:	0.04877

Error Coefficients

Standard Error:	2280000
Relative Standard Error:	3.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/22	0.02	0.001258	0.5	11610763.0	0.062892	Y
2	IC 480-581108/23	0.5	0.025245	0.5	11818115.0	0.050489	Y
3	IC 480-581108/24	2.0	0.095604	0.5	11522635.0	0.047802	Y



Calibration / PCB-1242 Peak 4

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

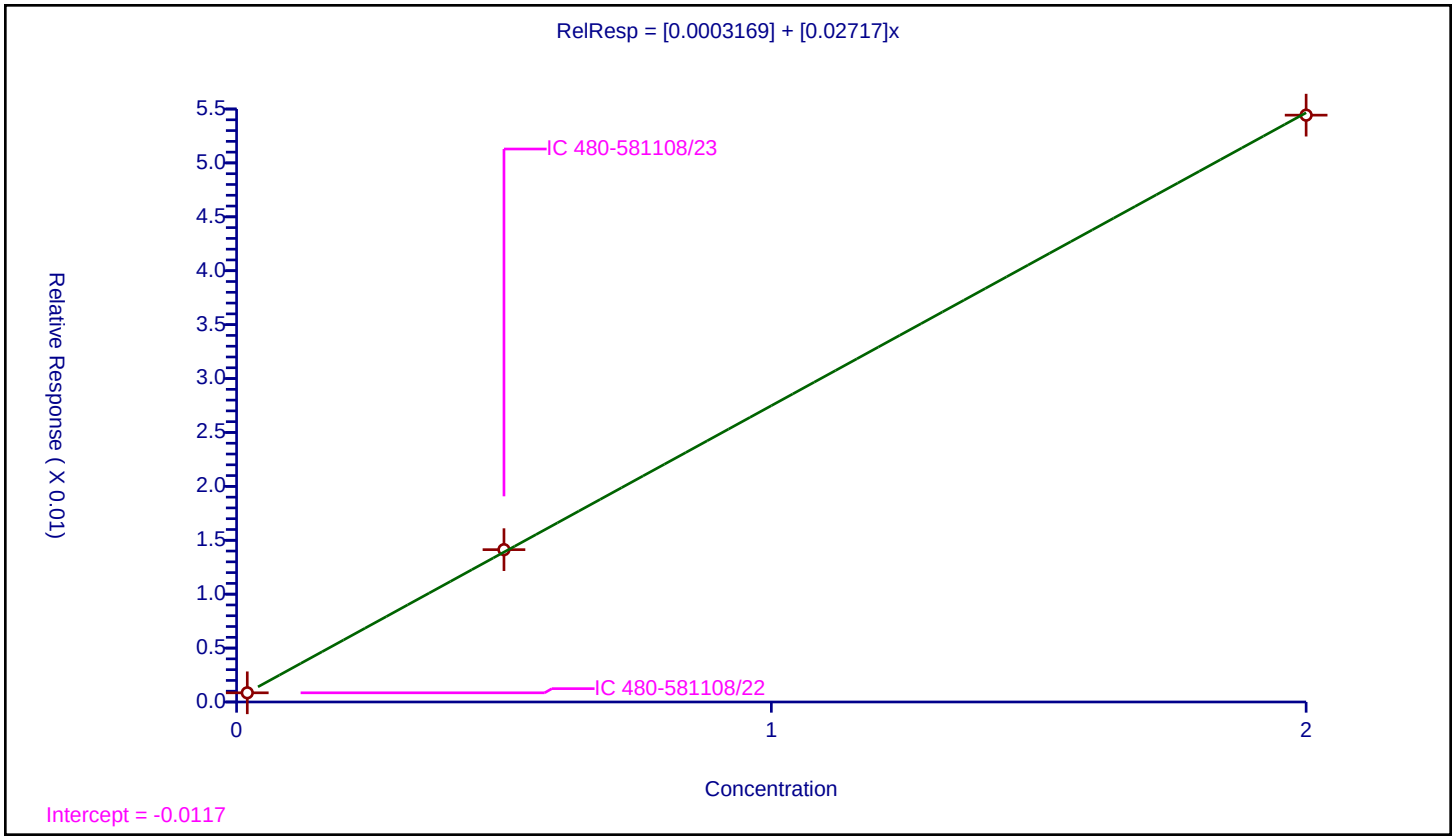
Curve Coefficients

Intercept:	0.0003169
Slope:	0.02717

Error Coefficients

Standard Error:	1300000
Relative Standard Error:	2.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/22	0.02	0.000853	0.5	11610763.0	0.042665	Y
2	IC 480-581108/23	0.5	0.01413	0.5	11818115.0	0.02826	Y
3	IC 480-581108/24	2.0	0.054432	0.5	11522635.0	0.027216	Y



Calibration / PCB-1242 Peak 5

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

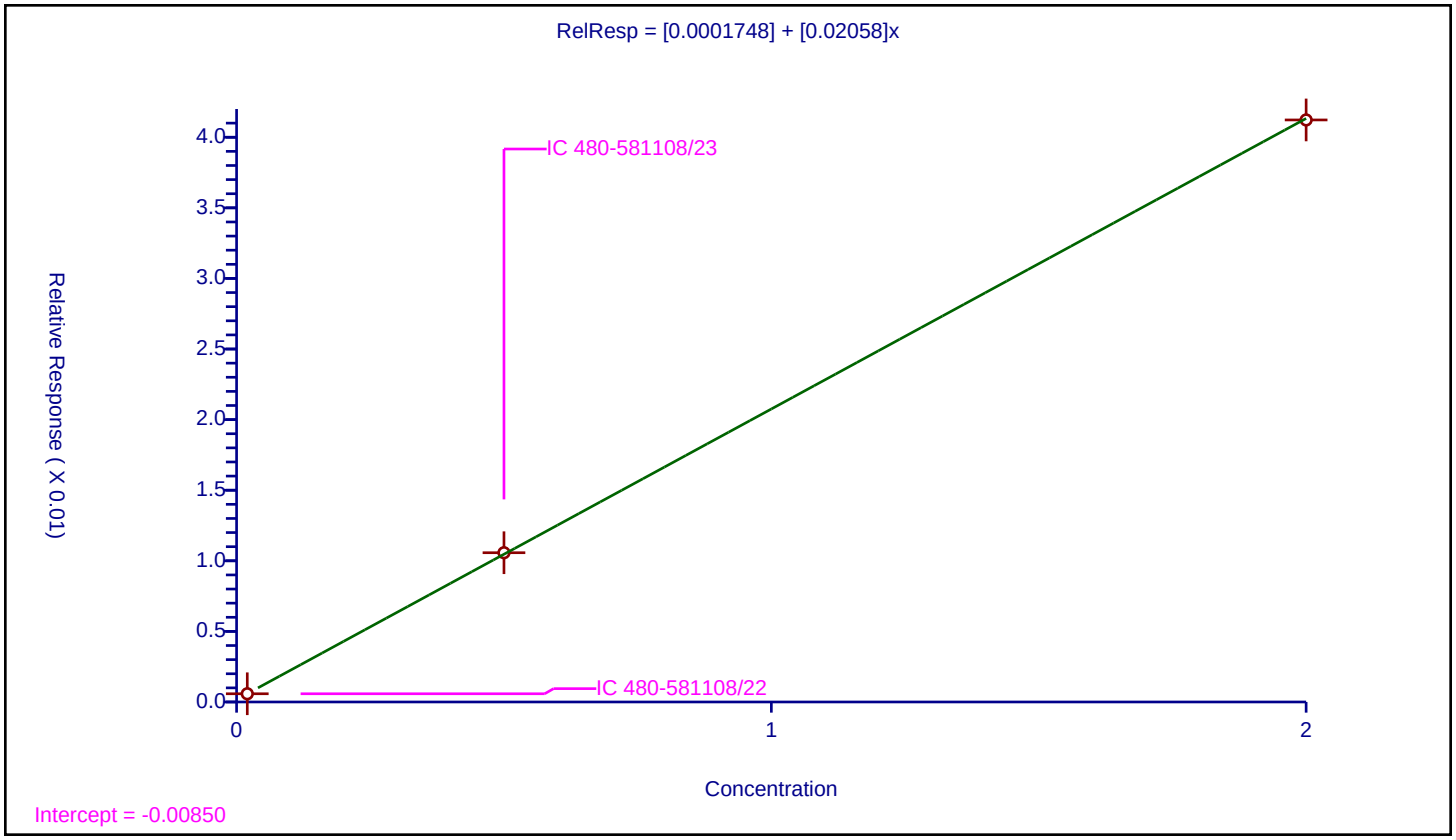
Curve Coefficients

Intercept:	0.0001748
Slope:	0.02058

Error Coefficients

Standard Error:	982000
Relative Standard Error:	1.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/22	0.02	0.000583	0.5	11610763.0	0.029156	Y
2	IC 480-581108/23	0.5	0.010572	0.5	11818115.0	0.021145	Y
3	IC 480-581108/24	2.0	0.041227	0.5	11522635.0	0.020613	Y



Calibration / PCB-1268 Peak 1

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

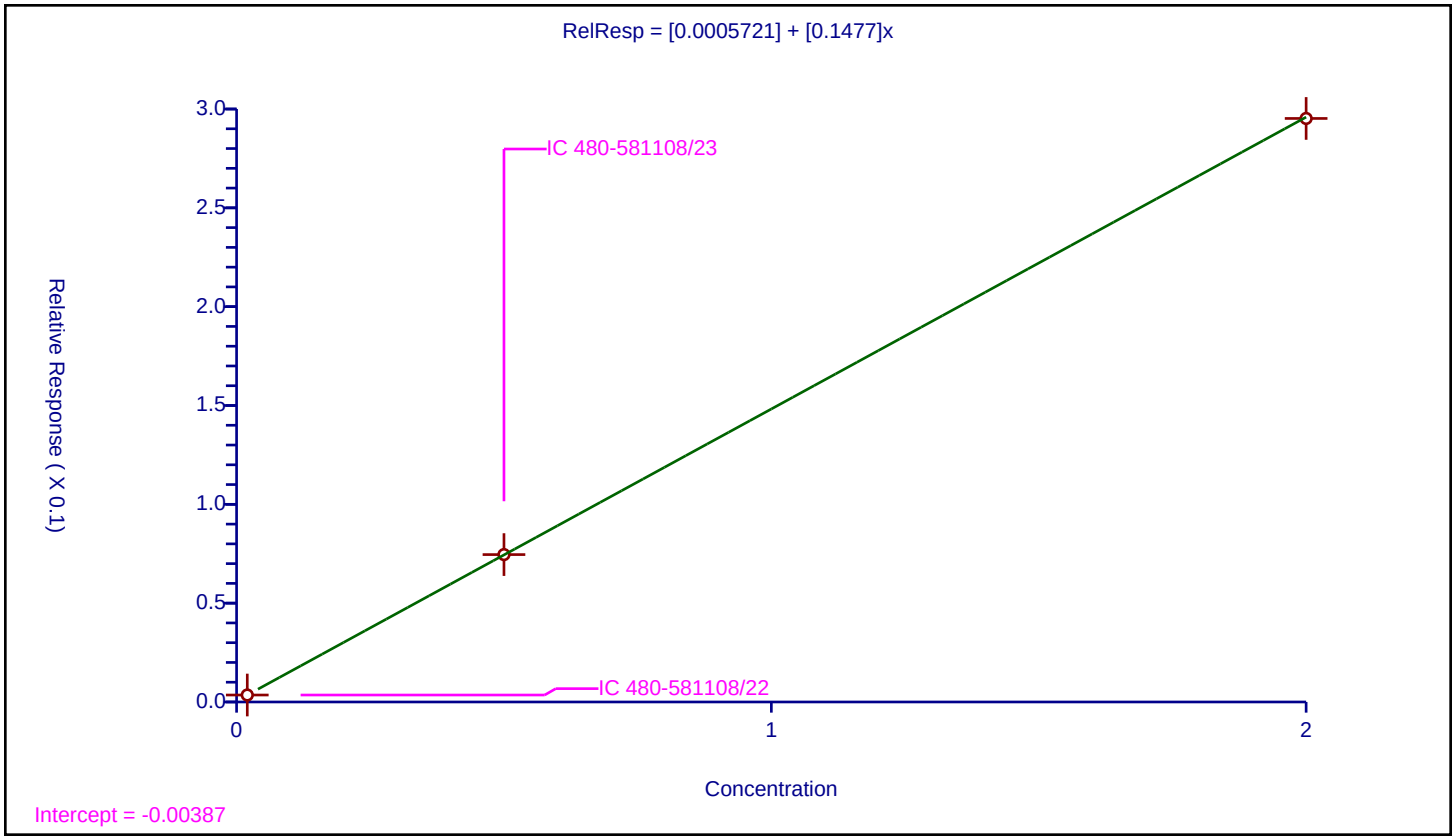
Curve Coefficients

Intercept:	0.0005721
Slope:	0.1477

Error Coefficients

Standard Error:	7030000
Relative Standard Error:	0.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/22	0.02	0.003525	0.5	11610763.0	0.176257	Y
2	IC 480-581108/23	0.5	0.074579	0.5	11818115.0	0.149158	Y
3	IC 480-581108/24	2.0	0.295219	0.5	11522635.0	0.14761	Y



Calibration / PCB-1268 Peak 2

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

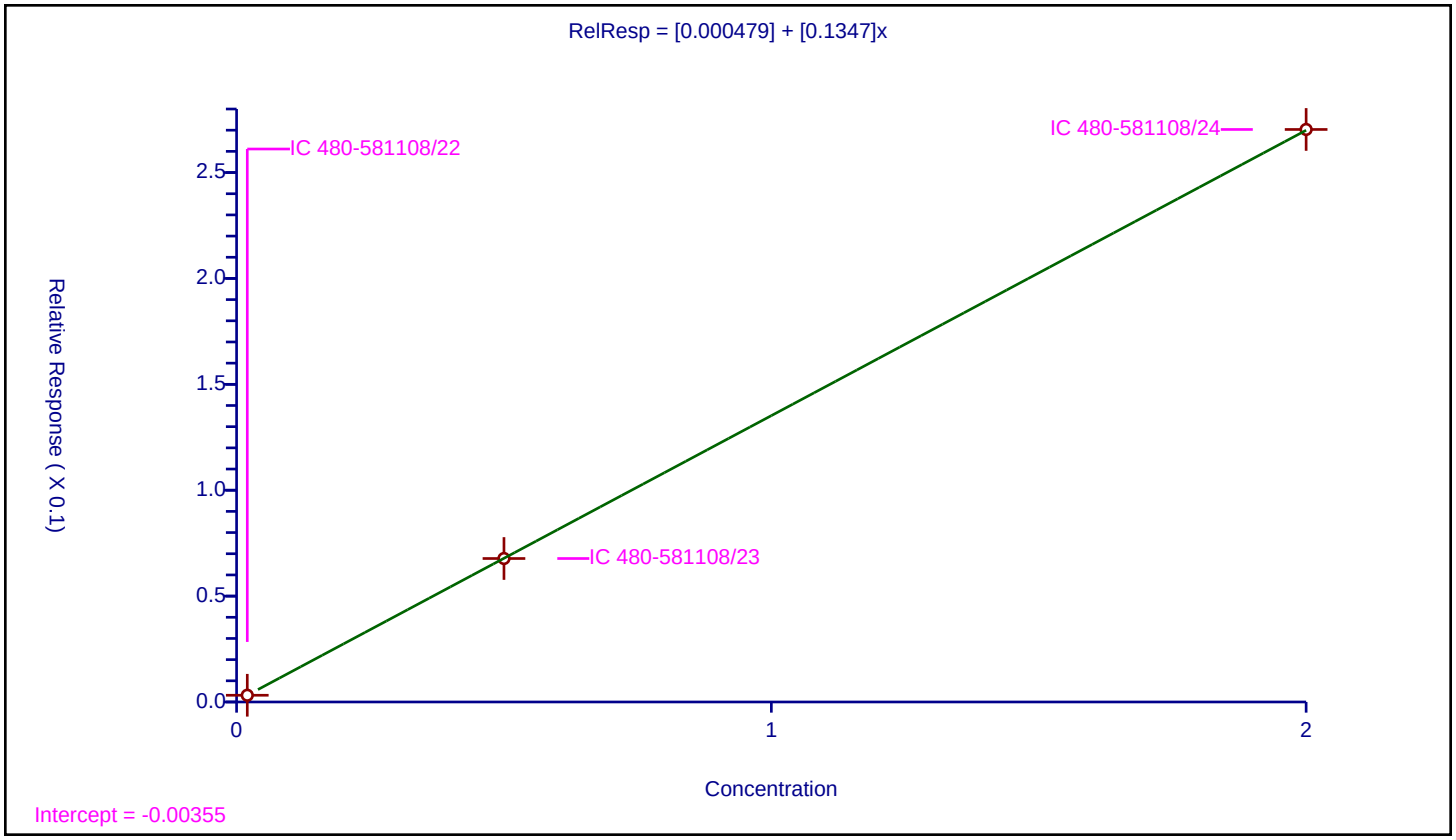
Curve Coefficients

Intercept:	0.000479
Slope:	0.1347

Error Coefficients

Standard Error:	6430000
Relative Standard Error:	0.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/22	0.02	0.003174	0.5	11610763.0	0.158698	Y
2	IC 480-581108/23	0.5	0.067754	0.5	11818115.0	0.135508	Y
3	IC 480-581108/24	2.0	0.270342	0.5	11522635.0	0.135171	Y



Calibration / PCB-1268 Peak 3

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

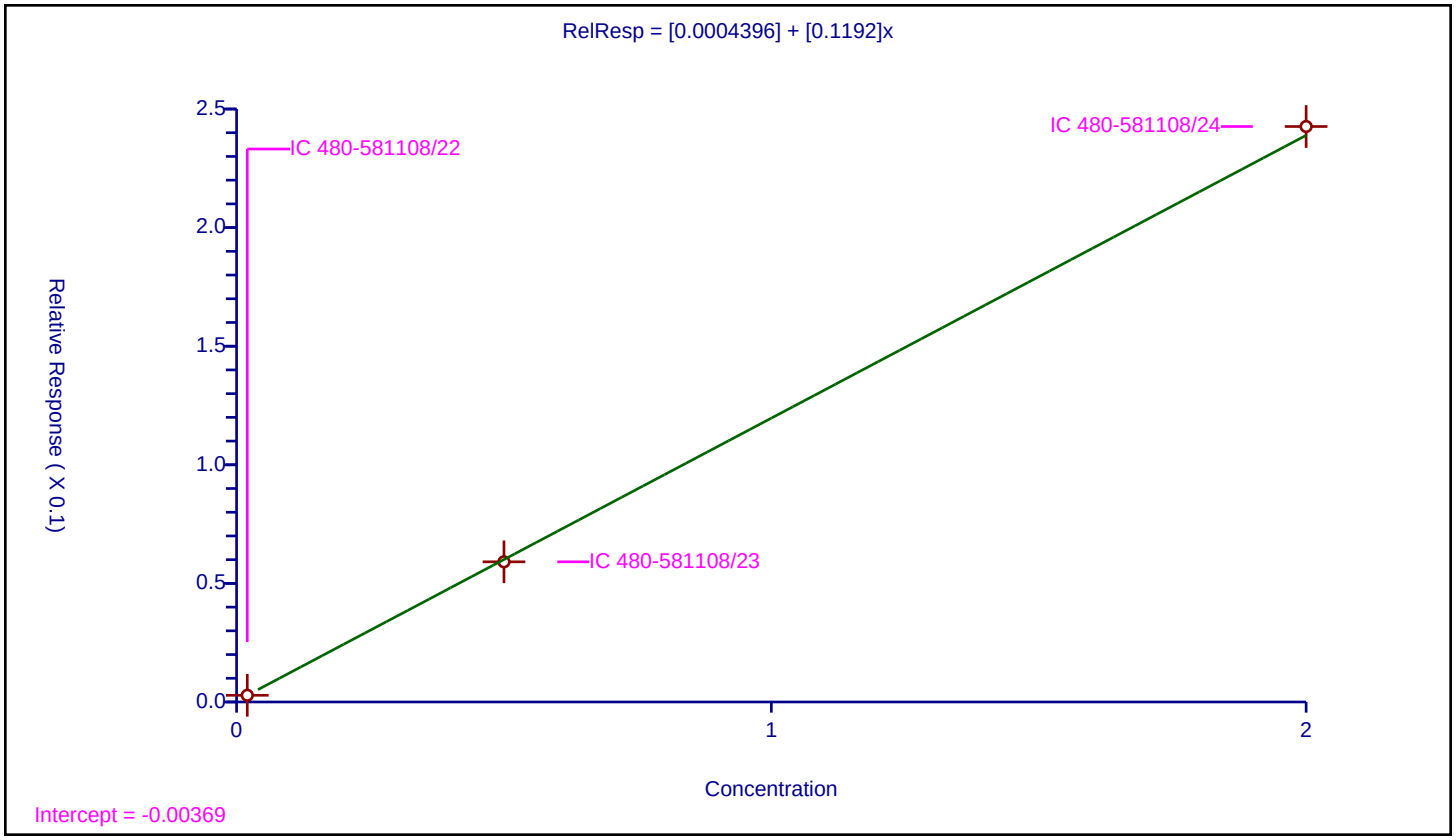
Curve Coefficients

Intercept:	0.0004396
Slope:	0.1192

Error Coefficients

Standard Error:	5760000
Relative Standard Error:	2.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/22	0.02	0.002825	0.5	11610763.0	0.14127	Y
2	IC 480-581108/23	0.5	0.059097	0.5	11818115.0	0.118195	Y
3	IC 480-581108/24	2.0	0.242619	0.5	11522635.0	0.12131	Y



Calibration / PCB-1268 Peak 4

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

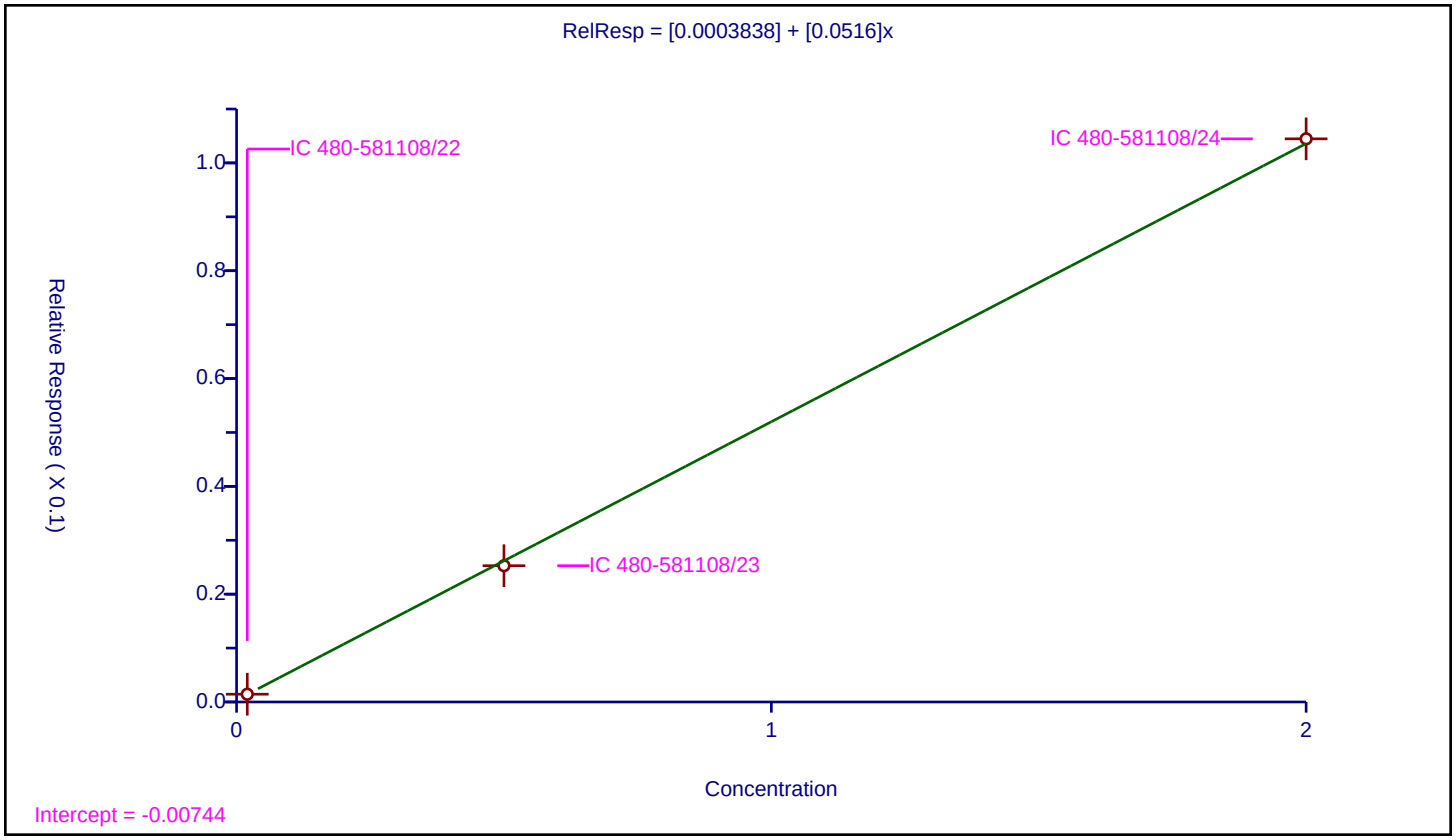
Curve Coefficients

Intercept:	0.0003838
Slope:	0.0516

Error Coefficients

Standard Error:	2480000
Relative Standard Error:	4.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/22	0.02	0.001443	0.5	11610763.0	0.072164	Y
2	IC 480-581108/23	0.5	0.025282	0.5	11818115.0	0.050564	Y
3	IC 480-581108/24	2.0	0.104467	0.5	11522635.0	0.052234	Y



Calibration / PCB-1268 Peak 5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

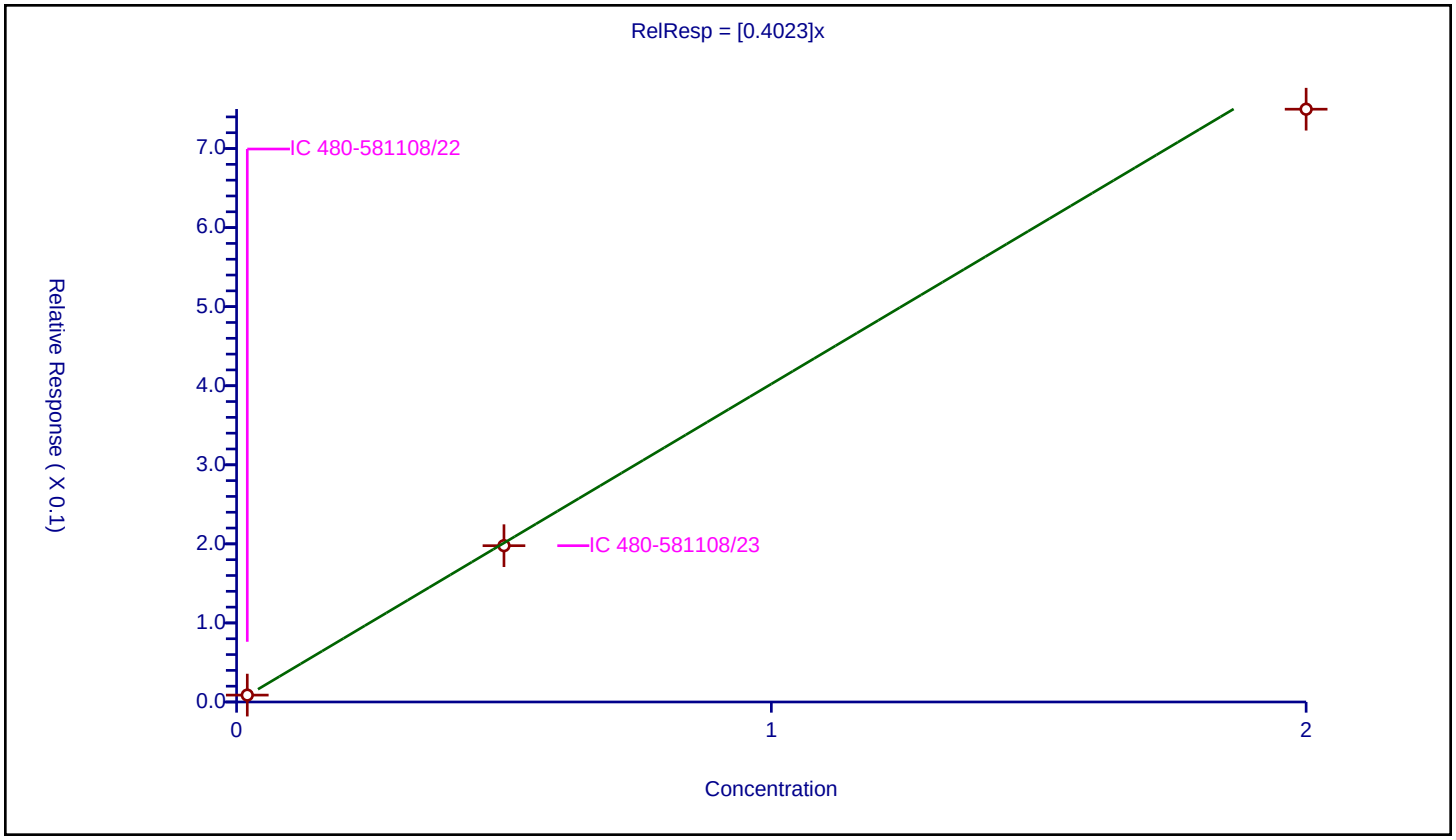
Curve Coefficients

Intercept:	0
Slope:	0.4023

Error Coefficients

Standard Error:	12700000
Relative Standard Error:	7.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/22	0.02	0.008729	0.5	11610763.0	0.43644	Y
2	IC 480-581108/23	0.5	0.197711	0.5	11818115.0	0.395422	Y
3	IC 480-581108/24	2.0	0.749777	0.5	11522635.0	0.374889	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 581108

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/14/2021 23:31 Calibration End Date: 05/15/2021 00:03 Calibration ID: 41842

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-581108/22	7_97-034.D
Level 2	IC 480-581108/23	7_97-035.D
Level 3	IC 480-581108/24	7_97-036.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3				B	M1	M2								
PCB-1242 Peak 1	0.0224	0.0154	0.0141			Lin1	0.0002	0.0143				7.3			0.9990		0.9900
PCB-1242 Peak 2	0.0463	0.0341	0.0314			Lin1	0.0003	0.0317				7.2			0.9990		0.9900
PCB-1242 Peak 3	0.0563	0.0460	0.0450			Lin2	0.0002	0.0452				1.1			1.0000		0.9900
PCB-1242 Peak 4	0.0388	0.0287	0.0279			Lin2	0.0002	0.0280				1.1			1.0000		0.9900
PCB-1242 Peak 5	0.0373	0.0279	0.0277			Lin2	0.0002	0.0276				0.2			1.0000		0.9900
PCB-1268 Peak 1	0.1805	0.1554	0.1550			Lin2	0.0005	0.1546				0.2			1.0000		0.9900
PCB-1268 Peak 2	0.1711	0.1448	0.1483			Lin2	0.0005	0.1460				2.1			1.0000		0.9900
PCB-1268 Peak 3	0.1445	0.1254	0.1287			Lin2	0.0004	0.1266				2.2			1.0000		0.9900
PCB-1268 Peak 4	0.0669	0.0527	0.0534			Lin2	0.0003	0.0527				1.5			1.0000		0.9900
PCB-1268 Peak 5	0.4591	0.4224	0.4083			Lin2	0.0009	0.4141				2.2			1.0000		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 581108

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/14/2021 23:31 Calibration End Date: 05/15/2021 00:03 Calibration ID: 41842

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-581108/22	7_97-034.D
Level 2	IC 480-581108/23	7_97-035.D
Level 3	IC 480-581108/24	7_97-036.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
PCB-1242 Peak 1	BNB	Lin1	10027	175596	627968			0.0200	0.500	2.00		
PCB-1242 Peak 2	BNB	Lin1	20702	388278	1394784			0.0200	0.500	2.00		
PCB-1242 Peak 3	BNB	Lin2	25195	523635	1995745			0.0200	0.500	2.00		
PCB-1242 Peak 4	BNB	Lin2	17347	326756	1239853			0.0200	0.500	2.00		
PCB-1242 Peak 5	BNB	Lin2	16662	318004	1229884			0.0200	0.500	2.00		
PCB-1268 Peak 1	BNB	Lin2	80740	1768904	6882437			0.0200	0.500	2.00		
PCB-1268 Peak 2	BNB	Lin2	76548	1648139	6583219			0.0200	0.500	2.00		
PCB-1268 Peak 3	BNB	Lin2	64646	1426828	5714305			0.0200	0.500	2.00		
PCB-1268 Peak 4	BNB	Lin2	29931	599586	2369886			0.0200	0.500	2.00		
PCB-1268 Peak 5	BNB	Lin2	205338	4808012	18123781			0.0200	0.500	2.00		

Curve Type Legend

Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-034.D
Lims ID: IC level 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 14-May-2021 23:31:46 ALS Bottle#: 0 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub9

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2021 13:21:40 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1602

First Level Reviewer: schickr Date: 15-May-2021 13:16:45

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.826	1.826	0.000	11610763	0.5000	0.5000	
2	2.016	2.016	0.000	11181971	0.5000	0.5000	
						RPD = 0.00	
14 PCB-1242							
1	3.078	3.078	0.000	11441	0.0200	0.0192	
1	3.413	3.413	0.000	13950	0.0200	0.0193	
1	3.793	3.793	0.000	29209	0.0200	0.0200	
1	3.878	3.878	0.000	19815	0.0200	0.0197	
1	4.249	4.249	0.000	13541	0.0200	0.0198	
		Average of Peak Amounts =				0.0196	
2	3.228	3.228	0.000	10027	0.0200	0.0191	
2	3.583	3.583	0.000	20702	0.0200	0.0191	
2	3.933	3.933	0.000	25195	0.0200	0.0200	
2	4.055	4.055	0.000	17347	0.0200	0.0200	
2	4.454	4.454	0.000	16662	0.0200	0.0200	
		Average of Peak Amounts =				0.0197	
						RPD = 0.20	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
9 PCB-1268							
1	6.821	6.821	0.000	81859	0.0200	0.0200	
1	6.888	6.888	0.000	73704	0.0200	0.0200	
1	7.269	7.269	0.000	65610	0.0200	0.0200	
1	7.536	7.536	0.000	33515	0.0200	0.0205	
1	8.137	8.137	0.000	202696	0.0200	0.0217	
		Average of Peak Amounts =				0.0204	
2	7.014	7.014	0.000	80740	0.0200	0.0200	
2	7.083	7.083	0.000	76548	0.0200	0.0200	
2	7.512	7.512	0.000	64646	0.0200	0.0200	
2	7.843	7.843	0.000	29931	0.0200	0.0200	
2	8.498	8.498	0.000	205338	0.0200	0.0200	
		Average of Peak Amounts =				0.0200	
						RPD = 2.20	

QC Flag Legend

Processing Flags

Reagents:

42-68w/IS@.02_00022 Amount Added: 1.00 Units: mL

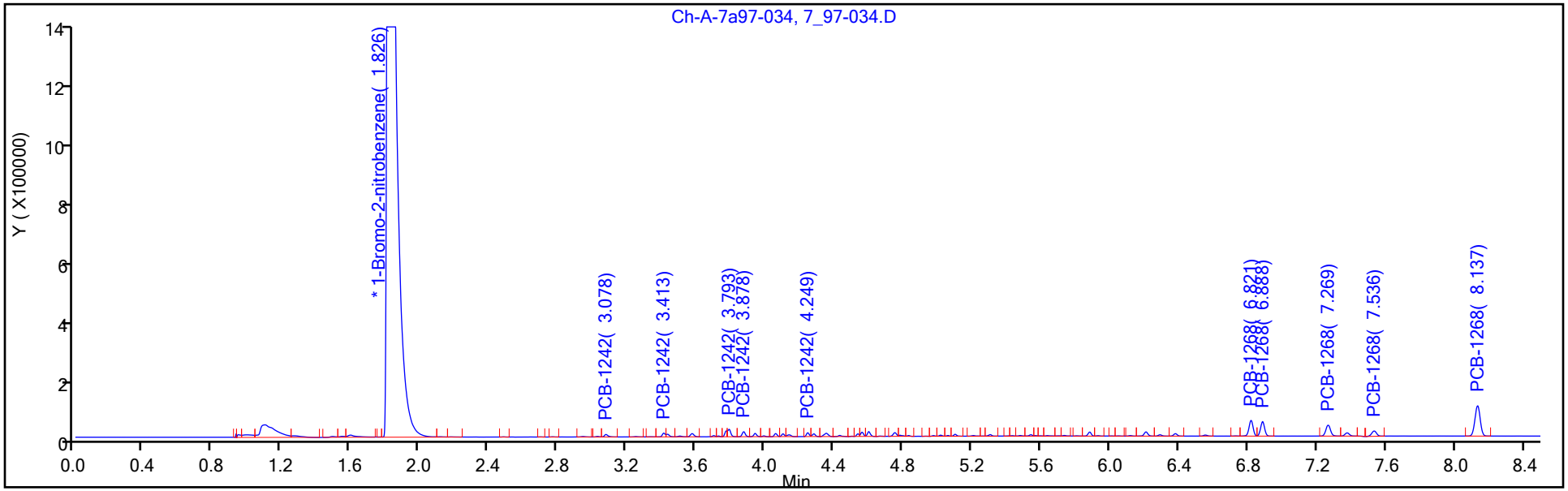
Report Date: 15-May-2021 13:21:40 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

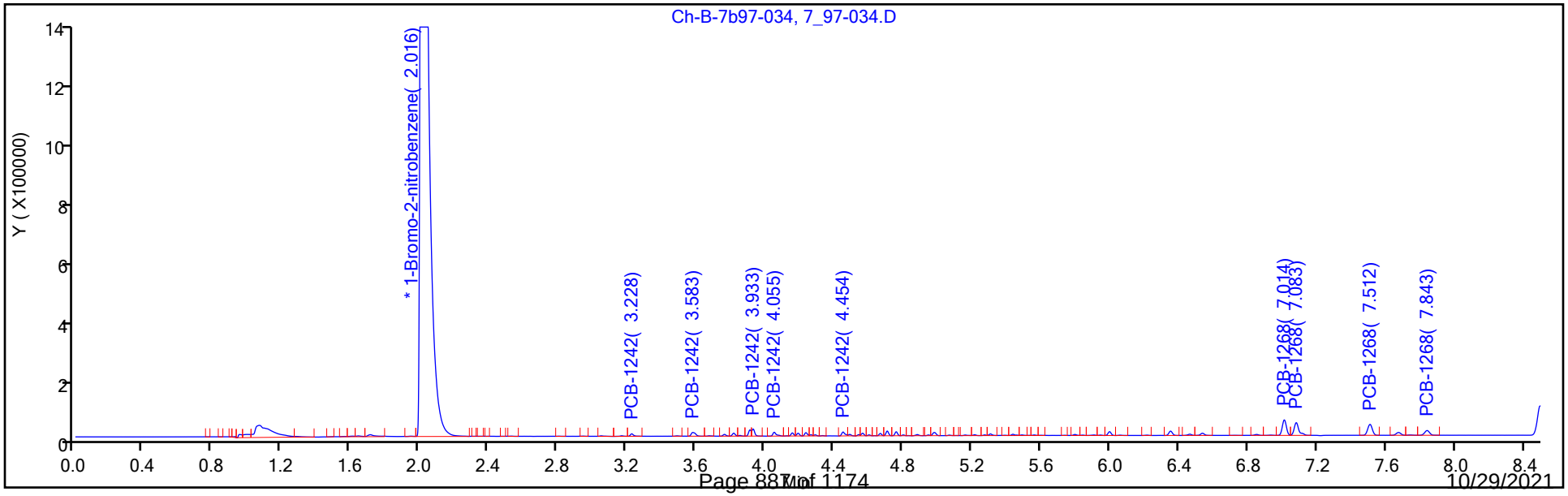
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-034.D

Injection Date:	14-May-2021 23:31:46	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC level 1			Worklist Smp#:	22
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-035.D
Lims ID: IC level 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 14-May-2021 23:47:31 ALS Bottle#: 0 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub9

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2021 13:21:41 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1602

First Level Reviewer: schickr Date: 15-May-2021 13:16:23

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.828	1.828	0.000	11818115	0.5000	0.5000	
2	2.017	2.017	0.000	11382598	0.5000	0.5000	
						RPD = 0.00	
14 PCB-1242							
1	3.078	3.078	0.000	194437	0.5000	0.5269	
1	3.413	3.413	0.000	241641	0.5000	0.5225	
1	3.793	3.793	0.000	596686	0.5000	0.5118	
1	3.878	3.878	0.000	333984	0.5000	0.5084	
1	4.249	4.249	0.000	249890	0.5000	0.5053	
		Average of Peak Amounts =				0.5150	
2	3.228	3.228	0.000	175596	0.5000	0.5287	
2	3.582	3.582	0.000	388278	0.5000	0.5281	
2	3.932	3.932	0.000	523635	0.5000	0.5040	
2	4.054	4.054	0.000	326756	0.5000	0.5041	
2	4.454	4.454	0.000	318004	0.5000	0.4995	
		Average of Peak Amounts =				0.5129	
						RPD = 0.41	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
9 PCB-1268							
1	6.823	6.823	0.000	1762763	0.5000	0.5012	
1	6.888	6.888	0.000	1601448	0.5000	0.4993	
1	7.270	7.270	0.000	1396840	0.5000	0.4920	
1	7.537	7.537	0.000	597572	0.5000	0.4825	
1	8.138	8.138	0.000	4673141	0.5000	0.4915	
		Average of Peak Amounts =				0.4933	
2	7.014	7.014	0.000	1768904	0.5000	0.4993	
2	7.084	7.084	0.000	1648139	0.5000	0.4926	
2	7.511	7.511	0.000	1426828	0.5000	0.4922	
2	7.842	7.842	0.000	599586	0.5000	0.4945	
2	8.498	8.498	0.000	4808012	0.5000	0.5078	
		Average of Peak Amounts =				0.4973	
						RPD = 0.81	

QC Flag Legend

Processing Flags

Reagents:

42-68w/IS@0.5_00089 Amount Added: 1.00 Units: mL

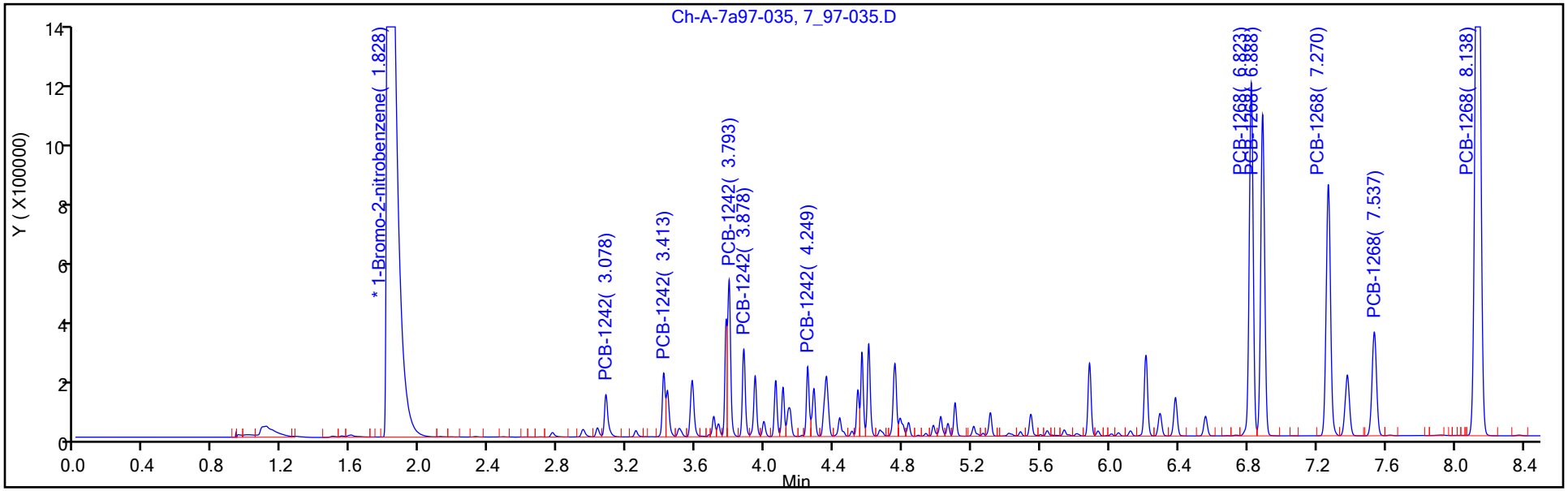
Report Date: 15-May-2021 13:21:41 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

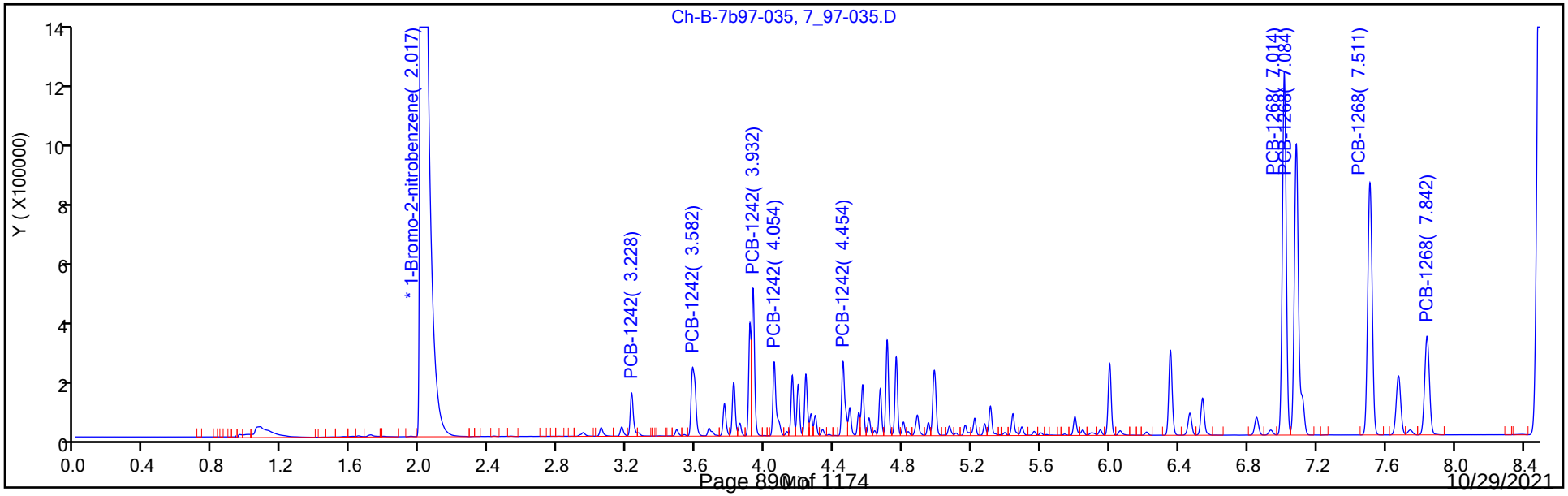
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-035.D

Injection Date:	14-May-2021 23:47:31	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC level 2			Worklist Smp#:	23
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-036.D
Lims ID: IC level 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 15-May-2021 00:03:34 ALS Bottle#: 0 Worklist Smp#: 24
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub9

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2021 13:21:43 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1602

First Level Reviewer: schickr Date: 15-May-2021 13:18:35

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.828	1.828	0.000	11522635	0.5000	0.5000	
2	2.018	2.017	0.001	11097405	0.5000	0.5000	
						RPD = 0.00	
14 PCB-1242							
1	3.080	3.078	0.002	697517	2.00	1.97	
1	3.416	3.413	0.003	877177	2.00	1.98	
1	3.795	3.793	0.002	2203217	2.00	1.95	
1	3.879	3.878	0.001	1254398	2.00	1.99	
1	4.251	4.249	0.002	950076	2.00	1.99	
		Average of Peak Amounts =				1.98	
2	3.228	3.228	0.000	627968	2.00	1.97	
2	3.583	3.582	0.001	1394784	2.00	1.97	
2	3.933	3.932	0.000	1995745	2.00	1.98	
2	4.054	4.054	0.000	1239853	2.00	1.98	
2	4.453	4.454	-0.001	1229884	2.00	2.00	
		Average of Peak Amounts =				1.98	
						RPD = 0.23	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
9 PCB-1268							
1	6.825	6.823	0.003	6803403	2.00	2.00	
1	6.890	6.888	0.002	6230107	2.00	2.00	
1	7.272	7.270	0.002	5591223	2.00	2.03	
1	7.539	7.537	0.002	2407471	2.00	2.02	
1	8.139	8.138	0.002	17278817	2.00	1.86	
		Average of Peak Amounts =				1.98	
2	7.013	7.014	-0.001	6882437	2.00	2.00	
2	7.084	7.084	0.000	6583219	2.00	2.03	
2	7.511	7.511	0.000	5714305	2.00	2.03	
2	7.842	7.842	0.000	2369886	2.00	2.02	
2	8.498	8.498	0.000	18123781	2.00	1.97	
		Average of Peak Amounts =				2.01	
						RPD = 1.43	

QC Flag Legend

Processing Flags

Reagents:

42-68w/IS@2.0_00023 Amount Added: 1.00 Units: mL

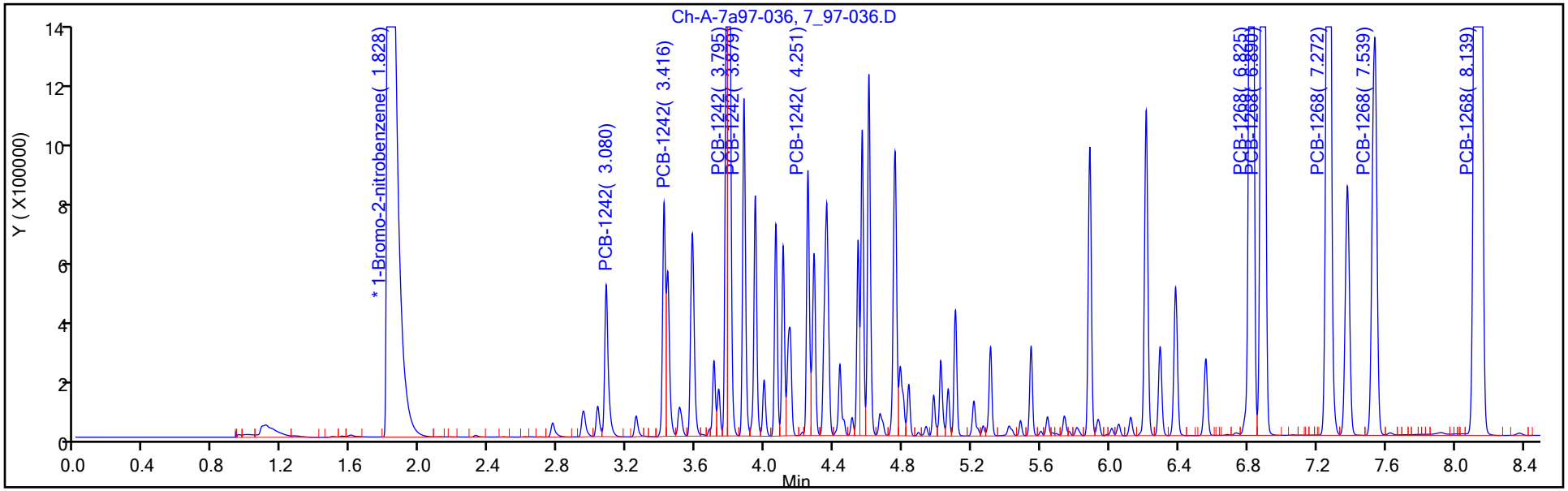
Report Date: 15-May-2021 13:21:43 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

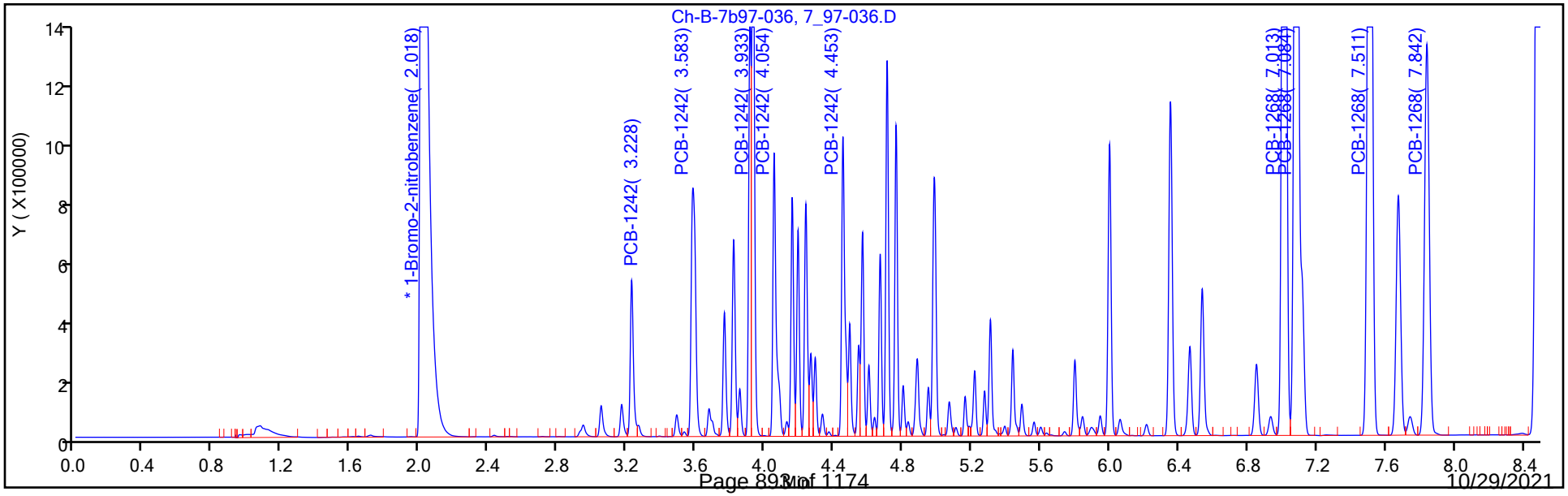
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-036.D

Injection Date:	15-May-2021 00:03:34	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC level 3			Worklist Smp#:	24
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Calibration / PCB-1242 Peak 1

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

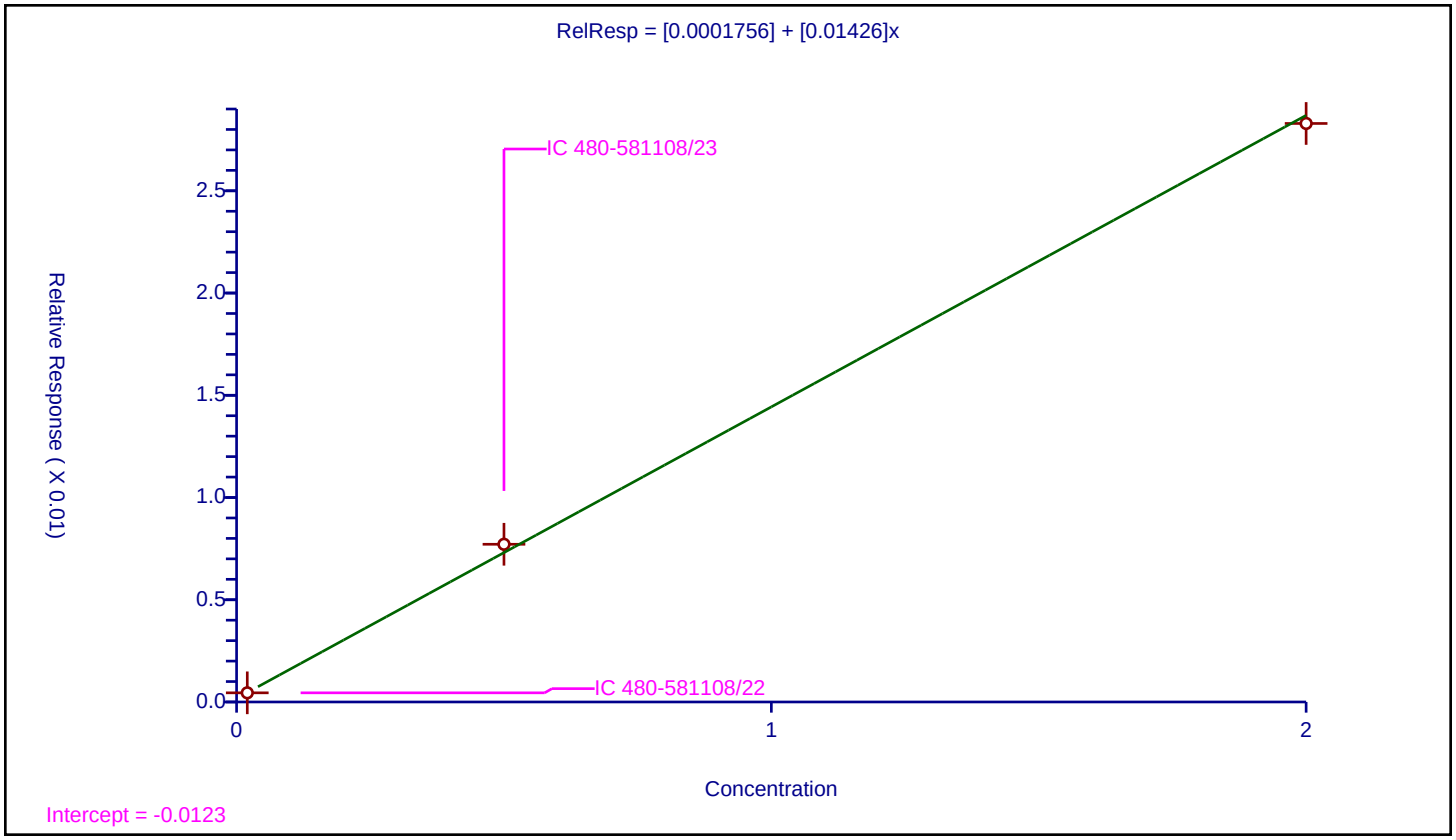
Curve Coefficients

Intercept:	0.0001756
Slope:	0.01426

Error Coefficients

Standard Error:	652000
Relative Standard Error:	7.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/22	0.02	0.000448	0.5	11181971.0	0.022418	Y
2	IC 480-581108/23	0.5	0.007713	0.5	11382598.0	0.015427	Y
3	IC 480-581108/24	2.0	0.028293	0.5	11097405.0	0.014147	Y



Calibration / PCB-1242 Peak 2

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

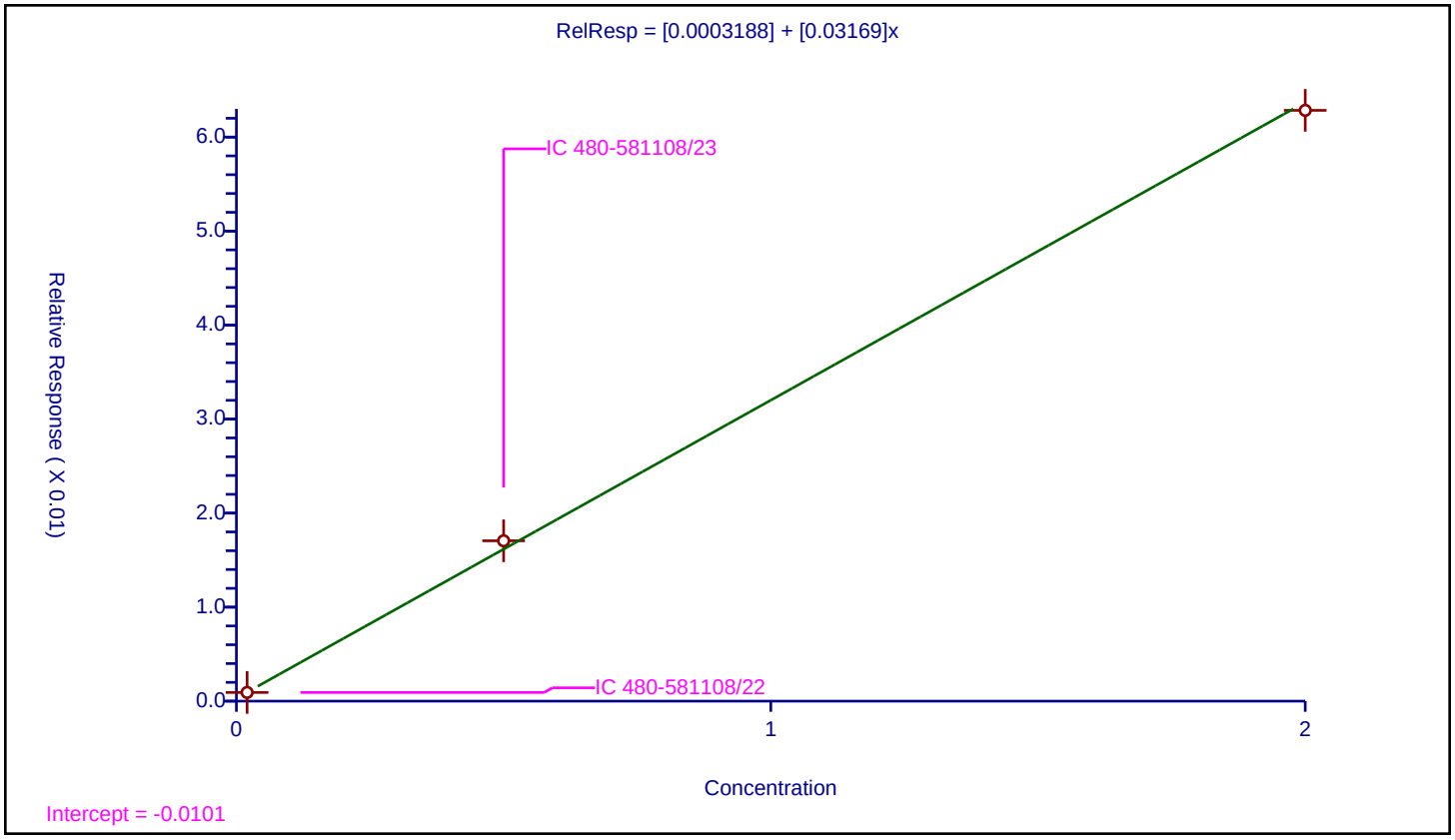
Curve Coefficients

Intercept:	0.0003188
Slope:	0.03169

Error Coefficients

Standard Error:	1450000
Relative Standard Error:	7.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/22	0.02	0.000926	0.5	11181971.0	0.046284	Y
2	IC 480-581108/23	0.5	0.017056	0.5	11382598.0	0.034112	Y
3	IC 480-581108/24	2.0	0.062843	0.5	11097405.0	0.031421	Y



Calibration / PCB-1242 Peak 3

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

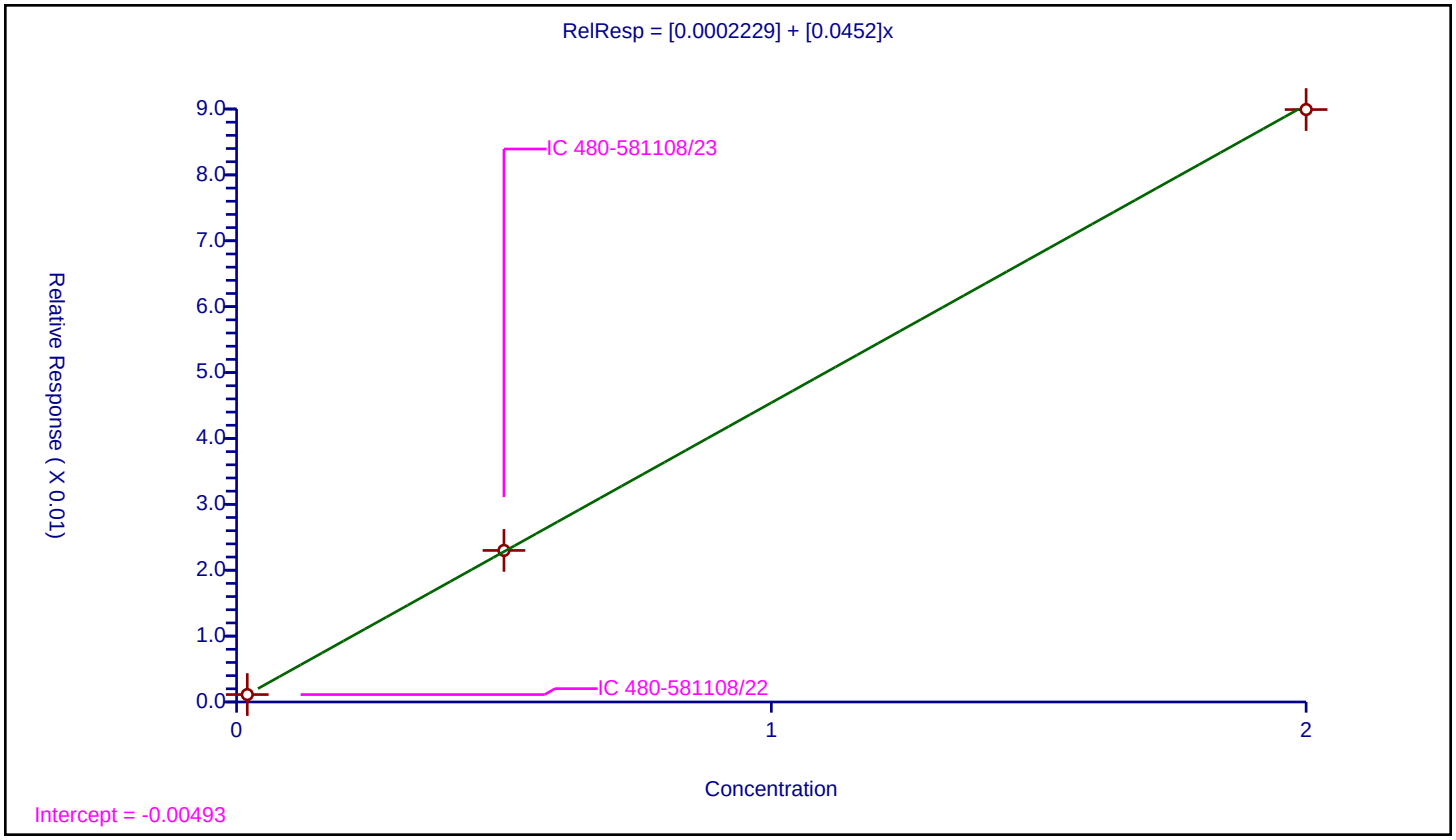
Curve Coefficients

Intercept:	0.0002229
Slope:	0.0452

Error Coefficients

Standard Error:	2060000
Relative Standard Error:	1.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/22	0.02	0.001127	0.5	11181971.0	0.05633	Y
2	IC 480-581108/23	0.5	0.023002	0.5	11382598.0	0.046003	Y
3	IC 480-581108/24	2.0	0.089919	0.5	11097405.0	0.04496	Y



Calibration / PCB-1242 Peak 4

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

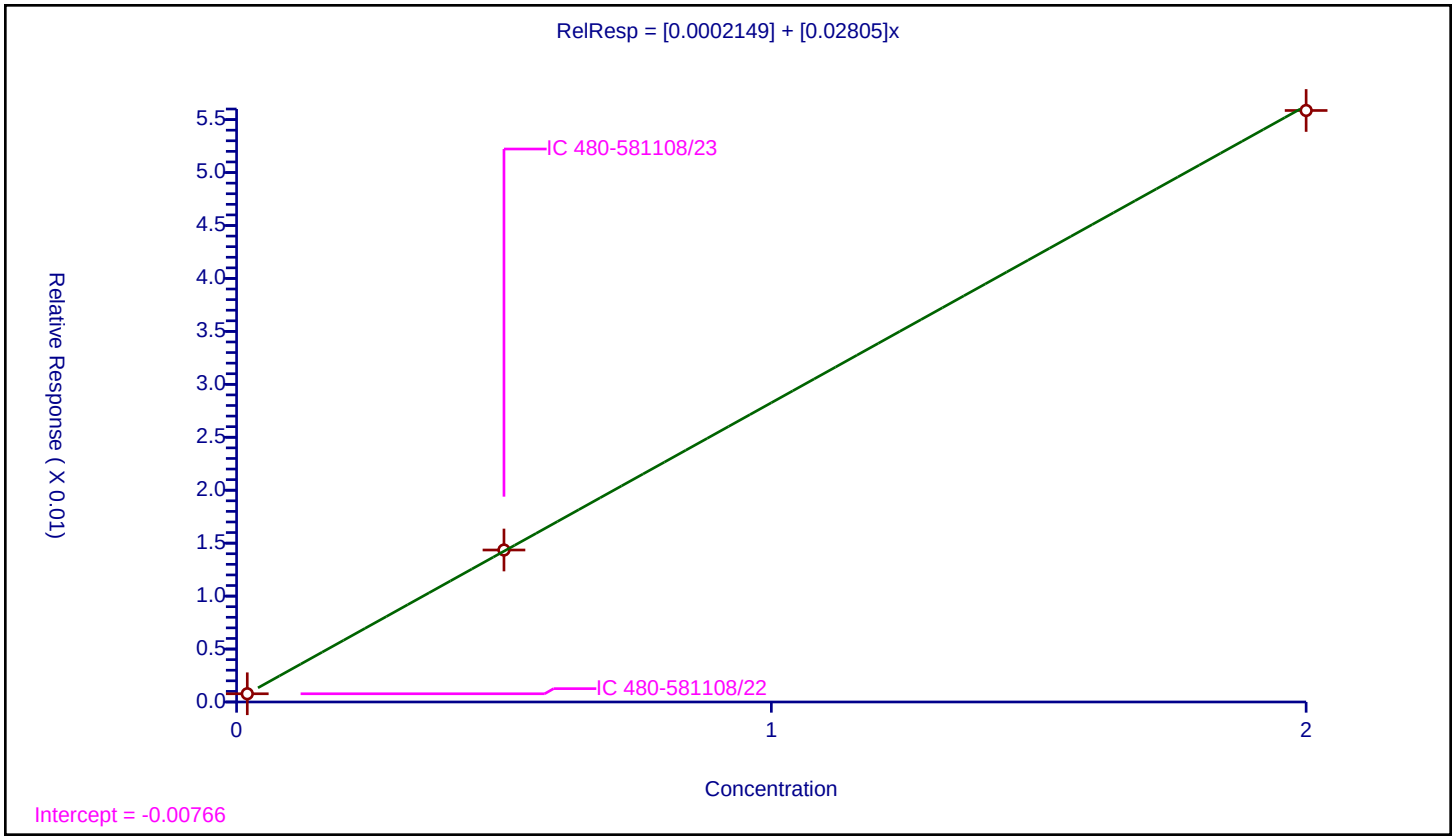
Curve Coefficients

Intercept:	0.0002149
Slope:	0.02805

Error Coefficients

Standard Error:	1280000
Relative Standard Error:	1.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/22	0.02	0.000776	0.5	11181971.0	0.038783	Y
2	IC 480-581108/23	0.5	0.014353	0.5	11382598.0	0.028707	Y
3	IC 480-581108/24	2.0	0.055862	0.5	11097405.0	0.027931	Y



Calibration / PCB-1242 Peak 5

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

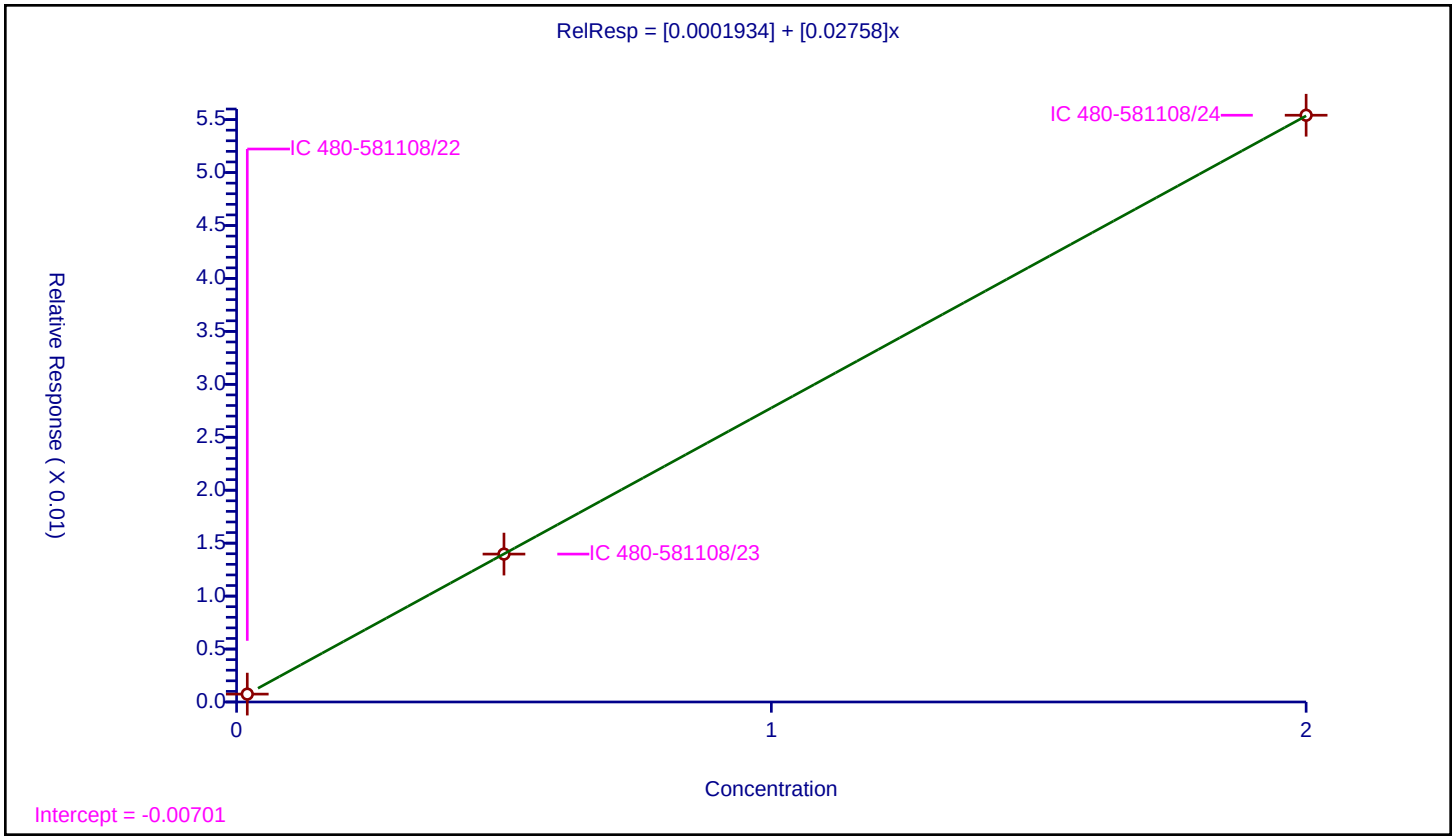
Curve Coefficients

Intercept:	0.0001934
Slope:	0.02758

Error Coefficients

Standard Error:	1270000
Relative Standard Error:	0.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/22	0.02	0.000745	0.5	11181971.0	0.037252	Y
2	IC 480-581108/23	0.5	0.013969	0.5	11382598.0	0.027938	Y
3	IC 480-581108/24	2.0	0.055413	0.5	11097405.0	0.027707	Y



Calibration / PCB-1268 Peak 1

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

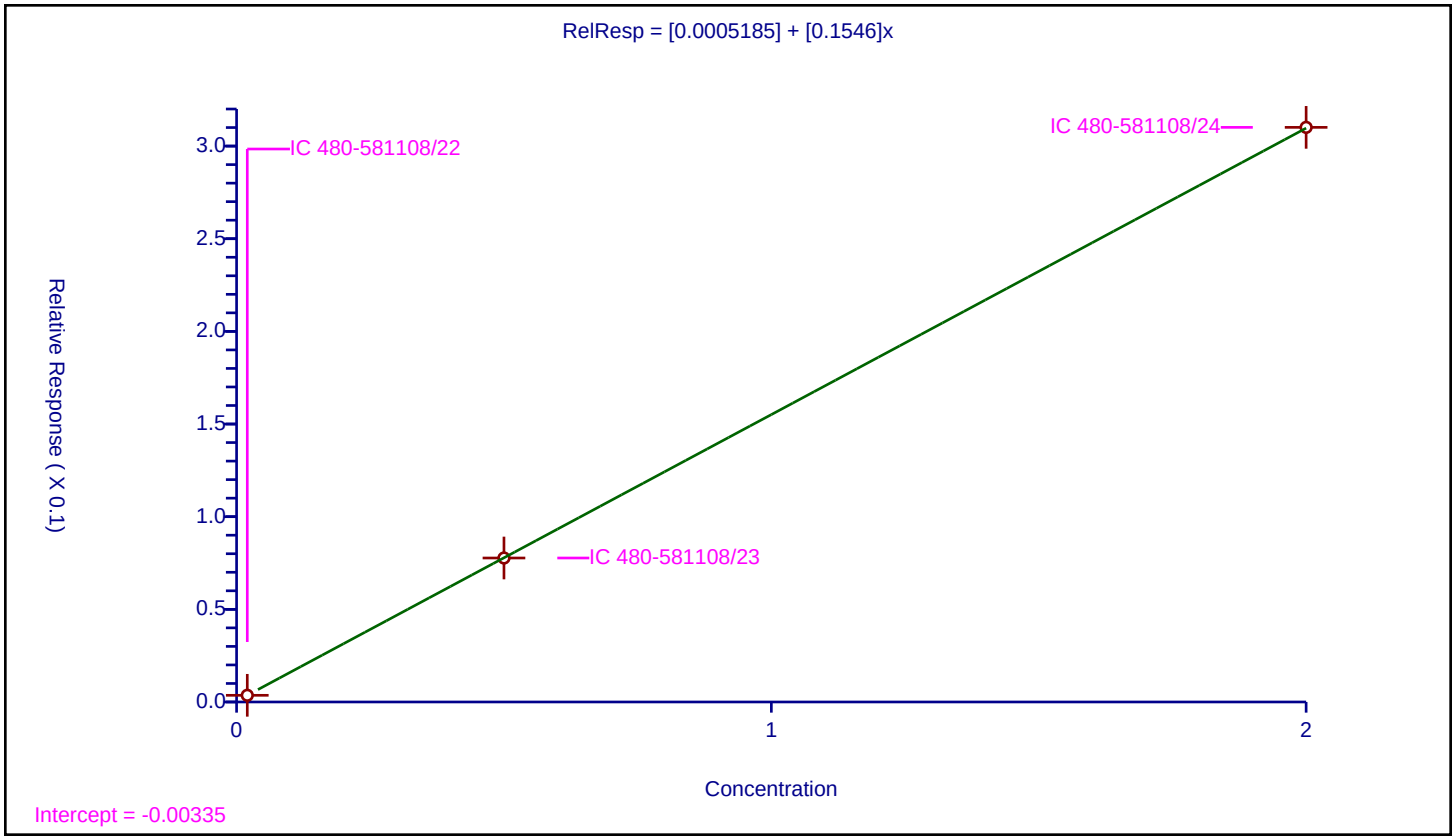
Curve Coefficients

Intercept:	0.0005185
Slope:	0.1546

Error Coefficients

Standard Error:	7110000
Relative Standard Error:	0.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/22	0.02	0.00361	0.5	11181971.0	0.180514	Y
2	IC 480-581108/23	0.5	0.077702	0.5	11382598.0	0.155404	Y
3	IC 480-581108/24	2.0	0.310092	0.5	11097405.0	0.155046	Y



Calibration / PCB-1268 Peak 2

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

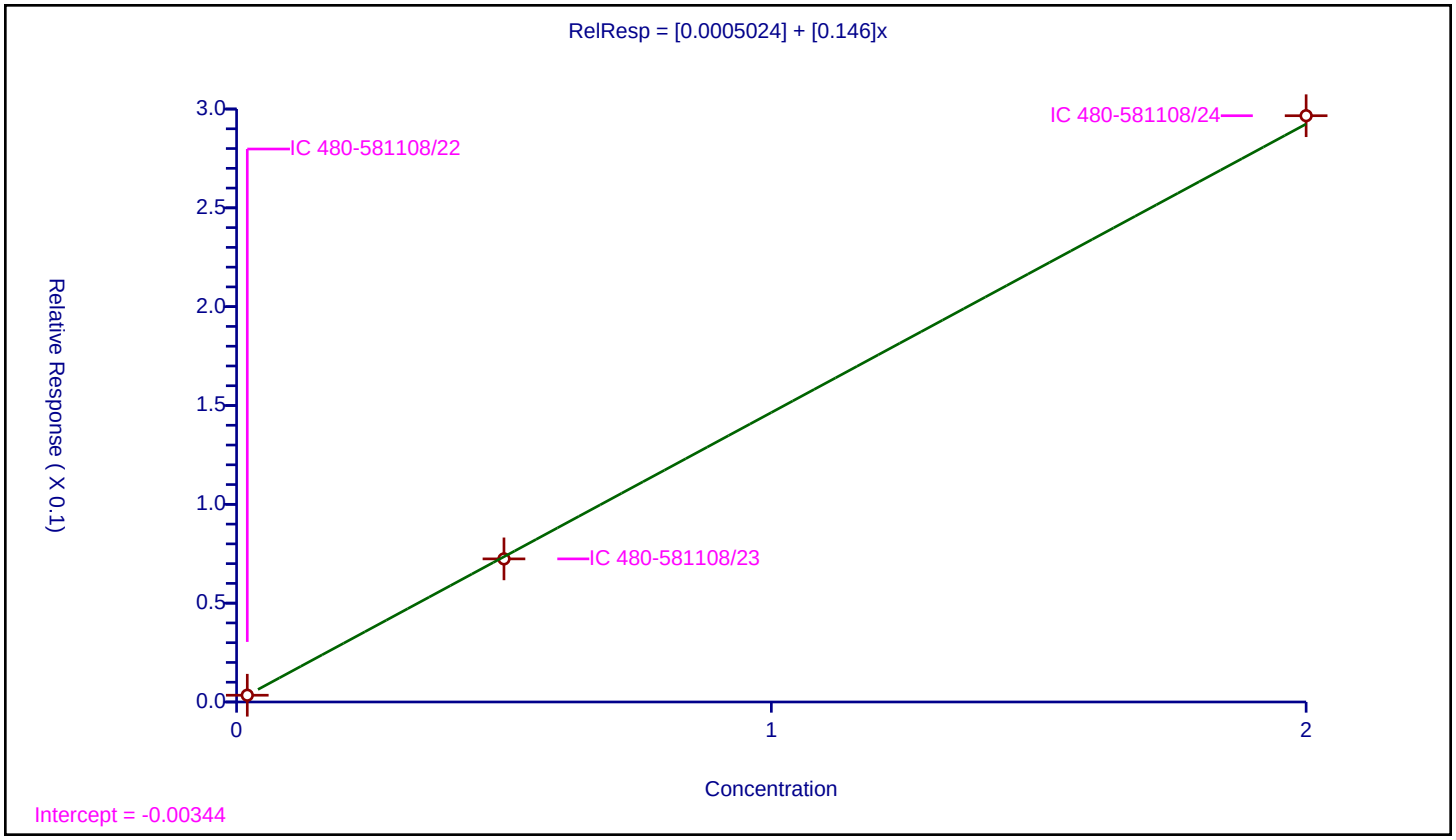
Curve Coefficients

Intercept:	0.0005024
Slope:	0.146

Error Coefficients

Standard Error:	6790000
Relative Standard Error:	2.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/22	0.02	0.003423	0.5	11181971.0	0.171142	Y
2	IC 480-581108/23	0.5	0.072397	0.5	11382598.0	0.144795	Y
3	IC 480-581108/24	2.0	0.296611	0.5	11097405.0	0.148305	Y



Calibration / PCB-1268 Peak 3

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

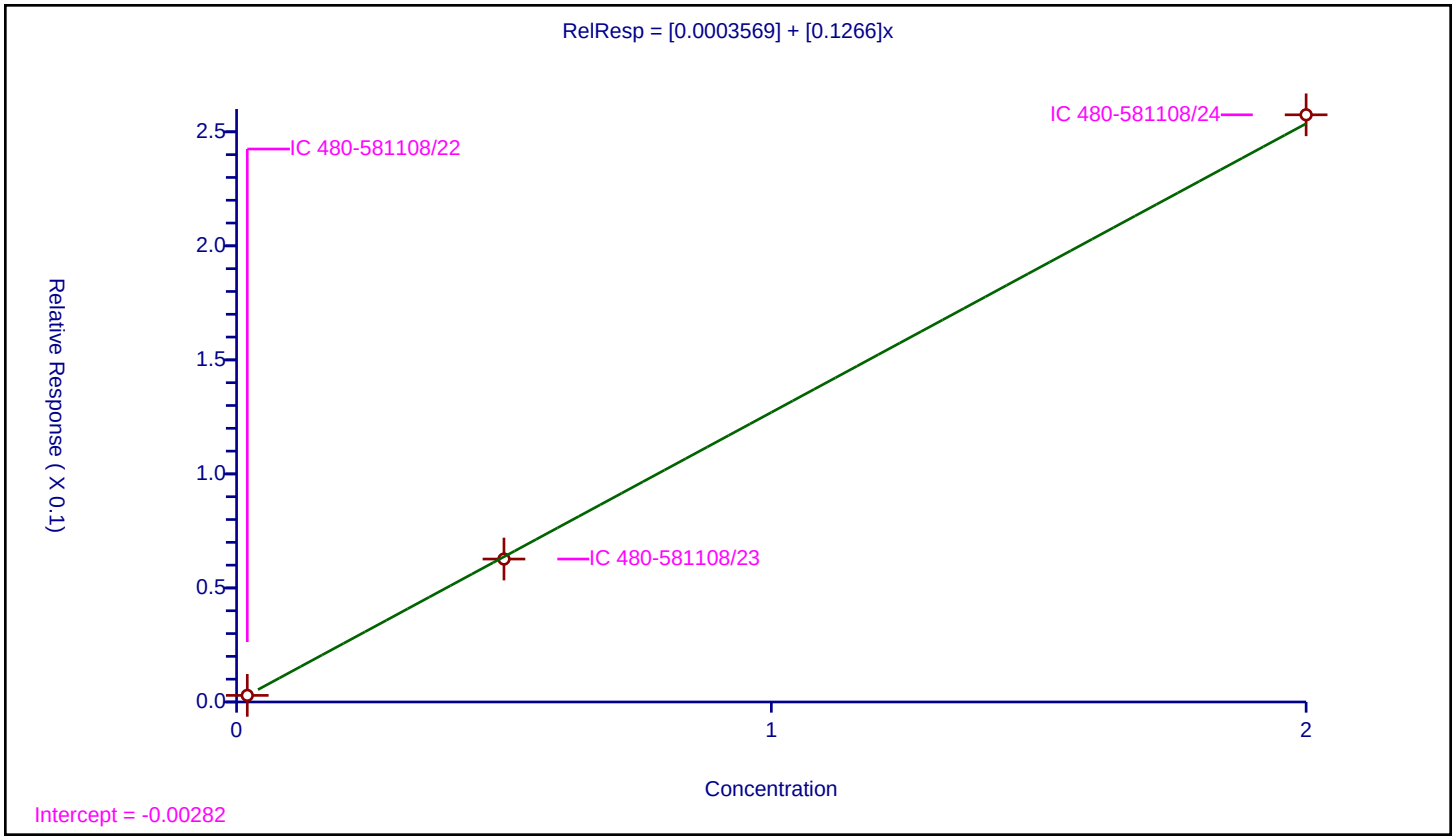
Curve Coefficients

Intercept:	0.0003569
Slope:	0.1266

Error Coefficients

Standard Error:	5890000
Relative Standard Error:	2.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/22	0.02	0.002891	0.5	11181971.0	0.144532	Y
2	IC 480-581108/23	0.5	0.062676	0.5	11382598.0	0.125352	Y
3	IC 480-581108/24	2.0	0.257461	0.5	11097405.0	0.128731	Y



Calibration / PCB-1268 Peak 4

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

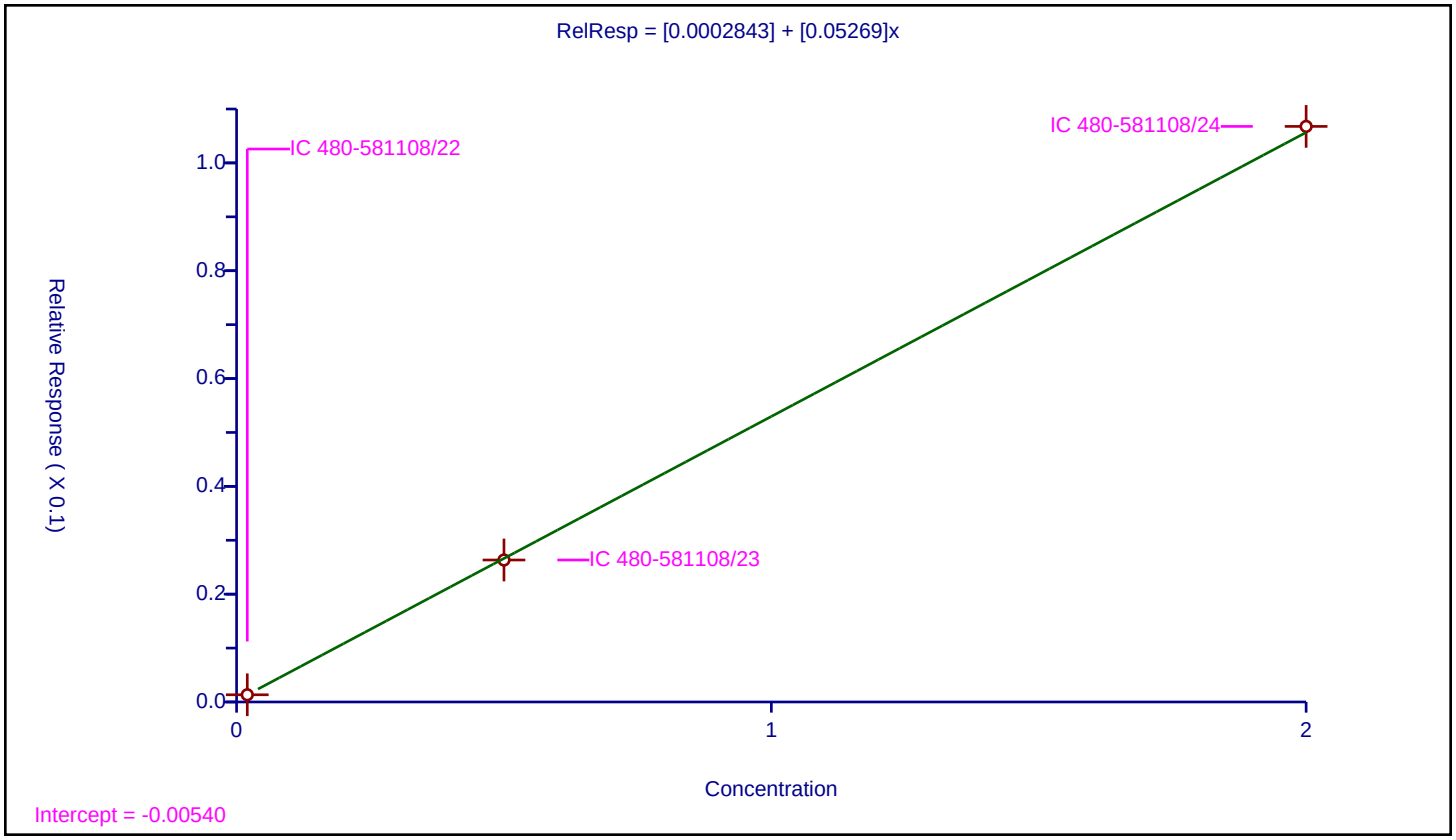
Curve Coefficients

Intercept:	0.0002843
Slope:	0.05269

Error Coefficients

Standard Error:	2440000
Relative Standard Error:	1.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/22	0.02	0.001338	0.5	11181971.0	0.066918	Y
2	IC 480-581108/23	0.5	0.026338	0.5	11382598.0	0.052676	Y
3	IC 480-581108/24	2.0	0.106777	0.5	11097405.0	0.053388	Y



Calibration / PCB-1268 Peak 5

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

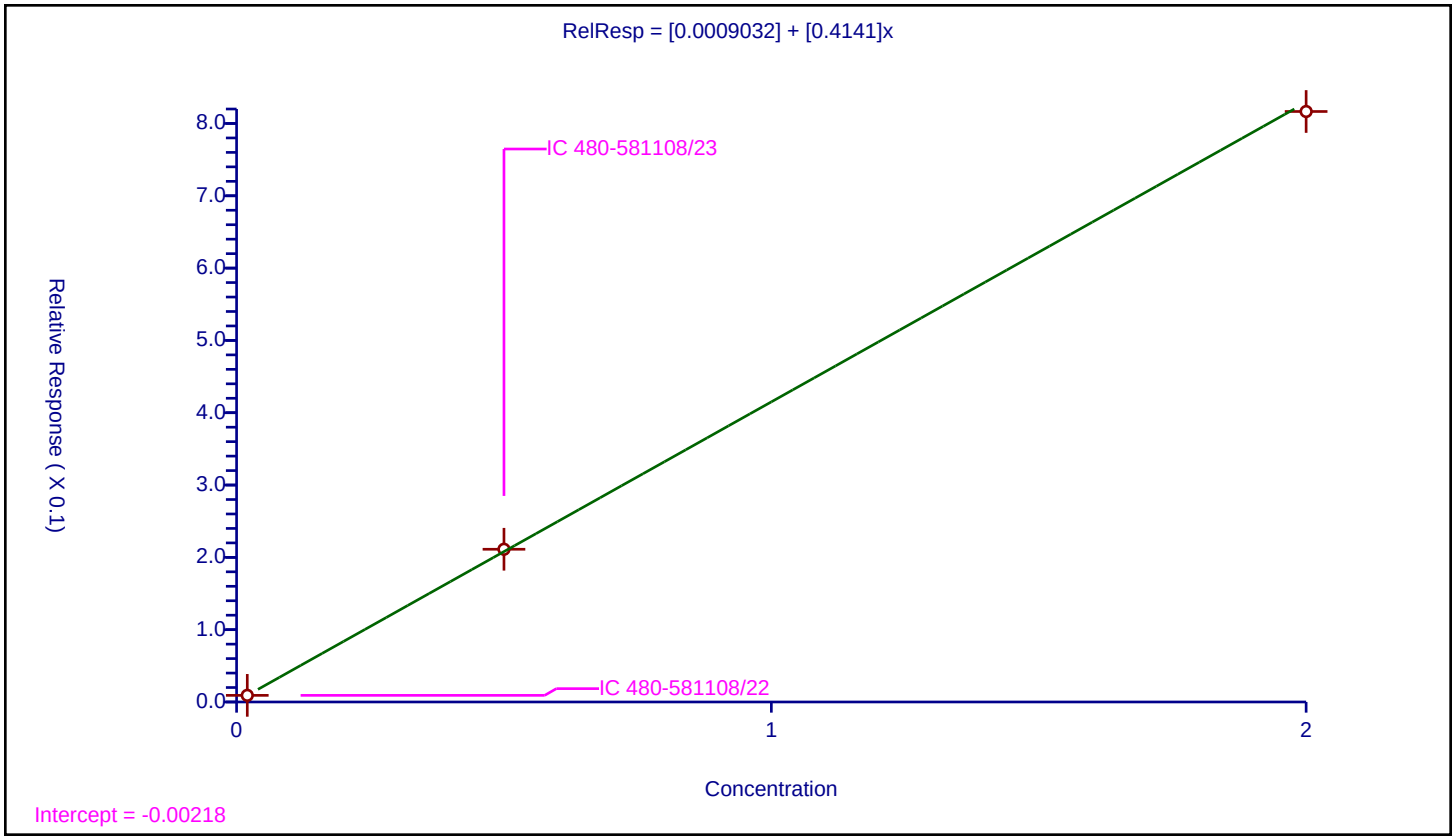
Curve Coefficients

Intercept:	0.0009032
Slope:	0.4141

Error Coefficients

Standard Error:	18800000
Relative Standard Error:	2.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/22	0.02	0.009182	0.5	11181971.0	0.459083	Y
2	IC 480-581108/23	0.5	0.2112	0.5	11382598.0	0.4224	Y
3	IC 480-581108/24	2.0	0.816577	0.5	11097405.0	0.408289	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 581108

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/15/2021 00:35 Calibration End Date: 05/15/2021 01:06 Calibration ID: 41845

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-581108/26	7_97-038.D
Level 2	IC 480-581108/27	7_97-039.D
Level 3	IC 480-581108/28	7_97-040.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3				B	M1	M2								
PCB-1248 Peak 1	0.0443	0.0310	0.0298			Lin2	0.0003	0.0300				1.8			1.0000		0.9900
PCB-1248 Peak 2	0.0502	0.0365	0.0349			Lin2	0.0003	0.0353				2.2			1.0000		0.9900
PCB-1248 Peak 3	0.0693	0.0540	0.0524			Lin2	0.0003	0.0528				1.4			1.0000		0.9900
PCB-1248 Peak 4	0.0578	0.0441	0.0433			Lin1	0.0003	0.0432				0.7			1.0000		0.9900
PCB-1248 Peak 5	0.0375	0.0262	0.0259			Lin1	0.0002	0.0258				0.4			1.0000		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 581108

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/15/2021 00:35 Calibration End Date: 05/15/2021 01:06 Calibration ID: 41845

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-581108/26	7_97-038.D
Level 2	IC 480-581108/27	7_97-039.D
Level 3	IC 480-581108/28	7_97-040.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
PCB-1248 Peak 1	BNB	Lin2	20256	366403	1364904			0.0200	0.500	2.00		
PCB-1248 Peak 2	BNB	Lin2	22960	431344	1598915			0.0200	0.500	2.00		
PCB-1248 Peak 3	BNB	Lin2	31704	638634	2402261			0.0200	0.500	2.00		
PCB-1248 Peak 4	BNB	Lin1	26472	521290	1986036			0.0200	0.500	2.00		
PCB-1248 Peak 5	BNB	Lin1	17154	309585	1187698			0.0200	0.500	2.00		

Curve Type Legend

Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-038.D
Lims ID: IC level 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 15-May-2021 00:35:06 ALS Bottle#: 0 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub10

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2021 13:21:44 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1602

First Level Reviewer: schickr Date: 15-May-2021 13:20:30

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.825	1.825	0.000	11440453	0.5000	0.5000	
2	2.016	2.016	0.000	11030753	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1248							
1	4.063	4.063	0.000	20256	0.0200	0.0200	
1	4.249	4.249	0.000	22960	0.0200	0.0200	
1	4.604	4.604	0.000	31704	0.0200	0.0200	
1	4.755	4.755	0.000	26472	0.0200	0.0199	
1	5.104	5.104	0.000	17154	0.0200	0.0200	
		Average of Peak Amounts =				0.0200	
2	4.193	4.193	0.000	17749	0.0200	0.0200	
2	4.453	4.453	0.000	23268	0.0200	0.0200	
2	4.710	4.710	0.000	28351	0.0200	0.0200	
2	4.983	4.983	0.000	21015	0.0200	0.0200	
2	5.309	5.309	0.000	14077	0.0200	0.0200	
		Average of Peak Amounts =				0.0200	
						RPD = 0.06	

QC Flag Legend
Processing Flags

Reagents:
1248w/IS@ .02_00021 Amount Added: 1.00 Units: mL

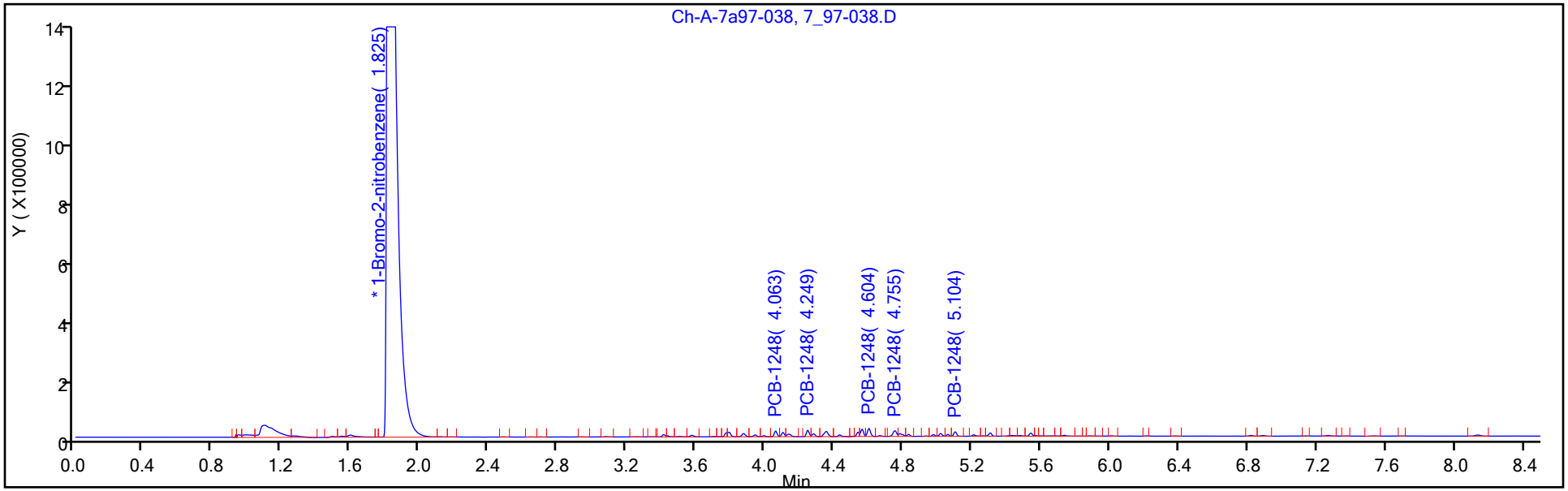
Report Date: 15-May-2021 13:21:44 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

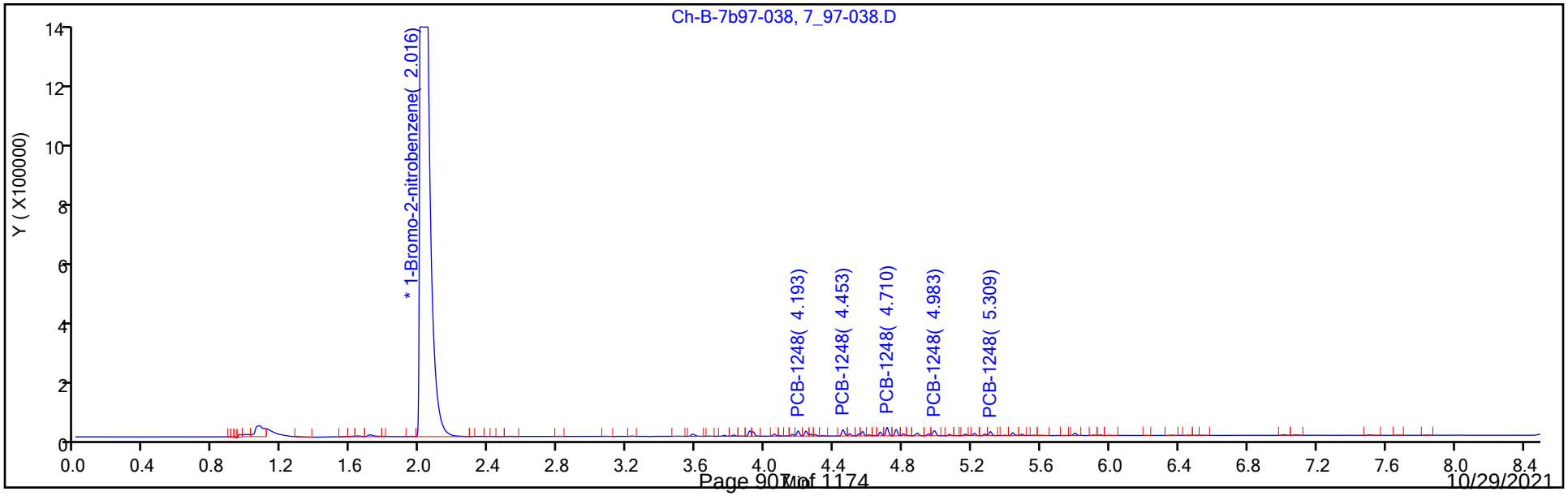
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-038.D

Injection Date:	15-May-2021 00:35:06	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC level 1			Worklist Smp#:	26
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-039.D
Lims ID: IC level 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 15-May-2021 00:50:51 ALS Bottle#: 0 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub10

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2021 13:21:45 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1602

First Level Reviewer: schickr Date: 15-May-2021 13:20:16

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.825	1.825	0.000	11833376	0.5000	0.5000	
2	2.016	2.016	0.000	11423706	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1248							
1	4.063	4.063	0.000	366403	0.5000	0.5064	
1	4.250	4.250	0.000	431344	0.5000	0.5080	
1	4.603	4.603	0.000	638634	0.5000	0.5051	
1	4.755	4.755	0.000	521290	0.5000	0.5026	
1	5.105	5.105	0.000	309585	0.5000	0.4984	
		Average of Peak Amounts =				0.5041	
2	4.193	4.193	0.000	336971	0.5000	0.5021	
2	4.454	4.454	0.000	455001	0.5000	0.5031	
2	4.710	4.710	0.000	591403	0.5000	0.5004	
2	4.983	4.983	0.000	449139	0.5000	0.4963	
2	5.309	5.309	0.000	288099	0.5000	0.4961	
		Average of Peak Amounts =				0.4996	
						RPD = 0.90	

QC Flag Legend
Processing Flags

Reagents:
1248w/IS@ 0.5_00086 Amount Added: 1.00 Units: mL

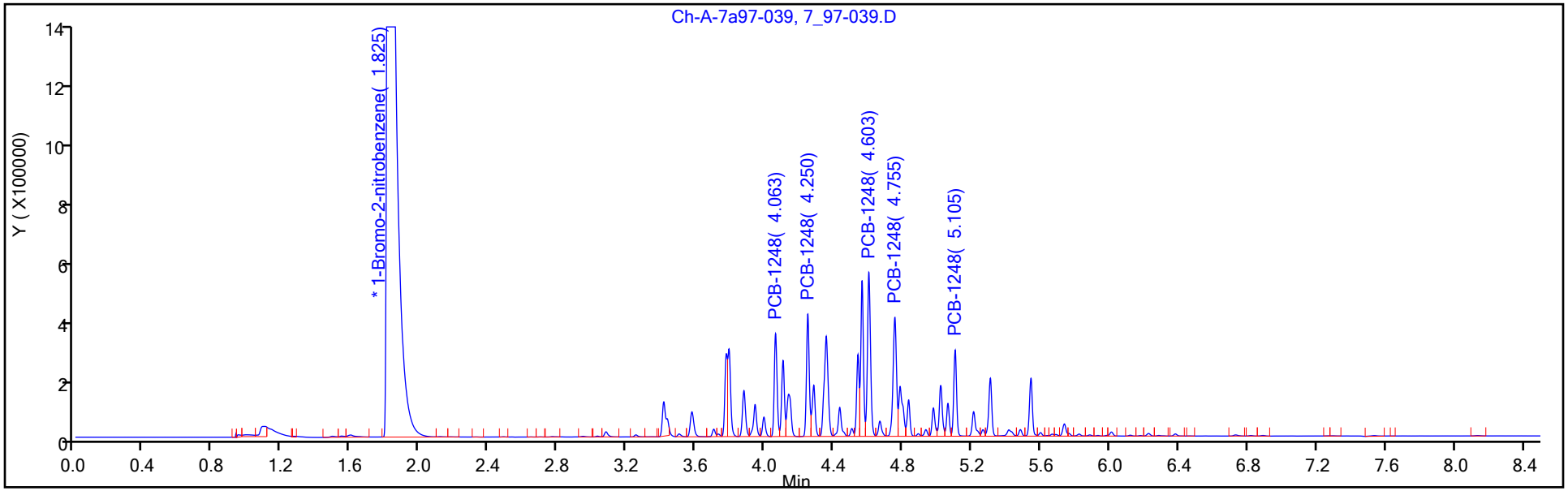
Report Date: 15-May-2021 13:21:46 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

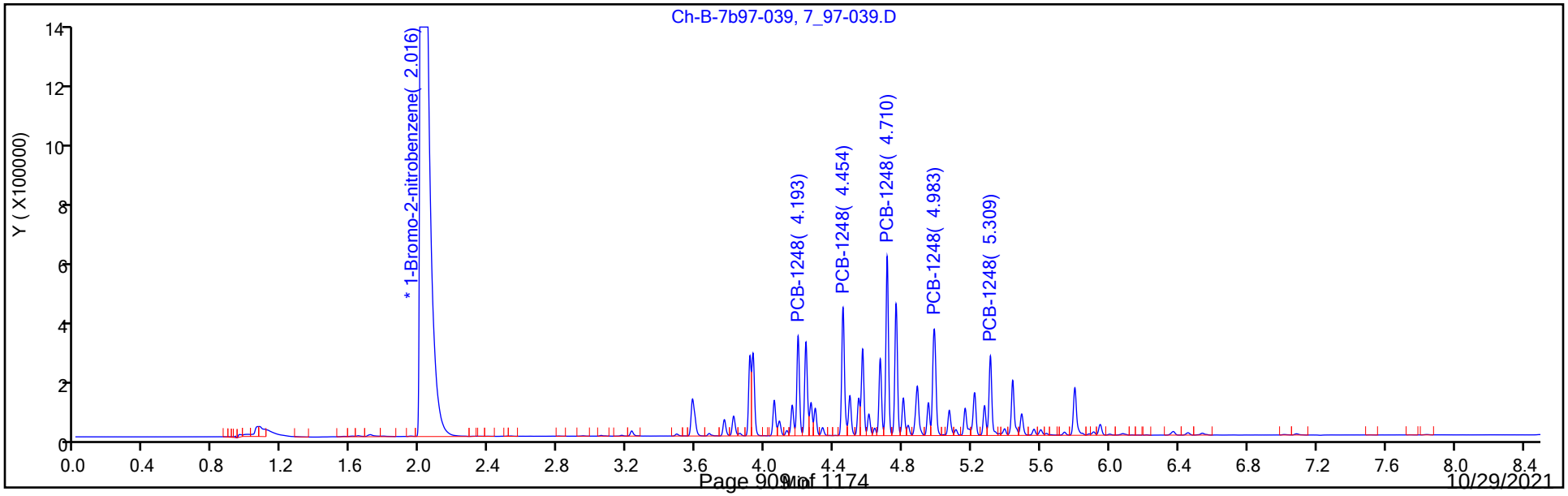
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-039.D

Injection Date:	15-May-2021 00:50:51	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC level 2			Worklist Smp#:	27
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D
Lims ID: IC level 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 15-May-2021 01:06:53 ALS Bottle#: 0 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub10

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2021 13:21:47 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1602

First Level Reviewer: schickr Date: 15-May-2021 13:20:54

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.828	1.825	0.003	11457953	0.5000	0.5000	
2	2.018	2.016	0.002	11001010	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1248							
1	4.063	4.063	0.001	1364904	2.00	1.98	
1	4.250	4.250	0.000	1598915	2.00	1.97	
1	4.604	4.603	0.001	2402261	2.00	1.98	
1	4.755	4.755	0.000	1986036	2.00	2.00	
1	5.104	5.105	-0.001	1187698	2.00	2.00	
		Average of Peak Amounts =				1.98	
2	4.193	4.193	0.000	1272629	2.00	1.99	
2	4.454	4.454	0.000	1713916	2.00	1.99	
2	4.710	4.710	0.000	2257583	2.00	2.00	
2	4.983	4.983	0.000	1744403	2.00	2.01	
2	5.310	5.309	0.001	1117973	2.00	2.02	
		Average of Peak Amounts =				2.00	
						RPD = 0.85	

QC Flag Legend
Processing Flags

Reagents:
1248w/IS@ 2.0_00022 Amount Added: 1.00 Units: mL

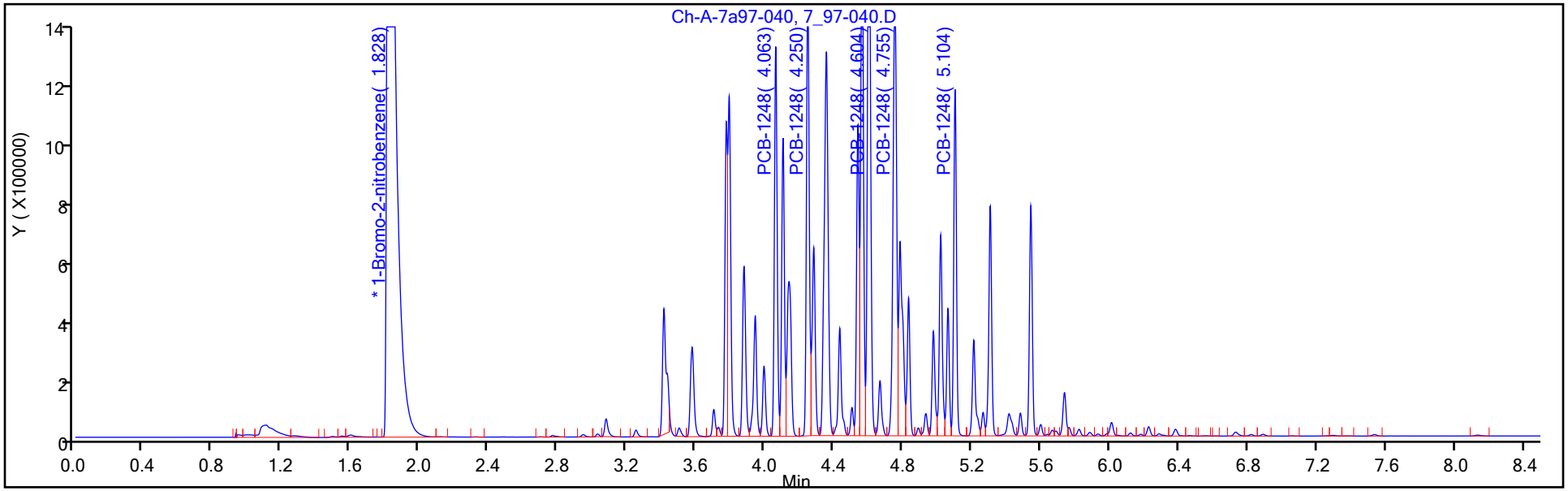
Report Date: 15-May-2021 13:21:47 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

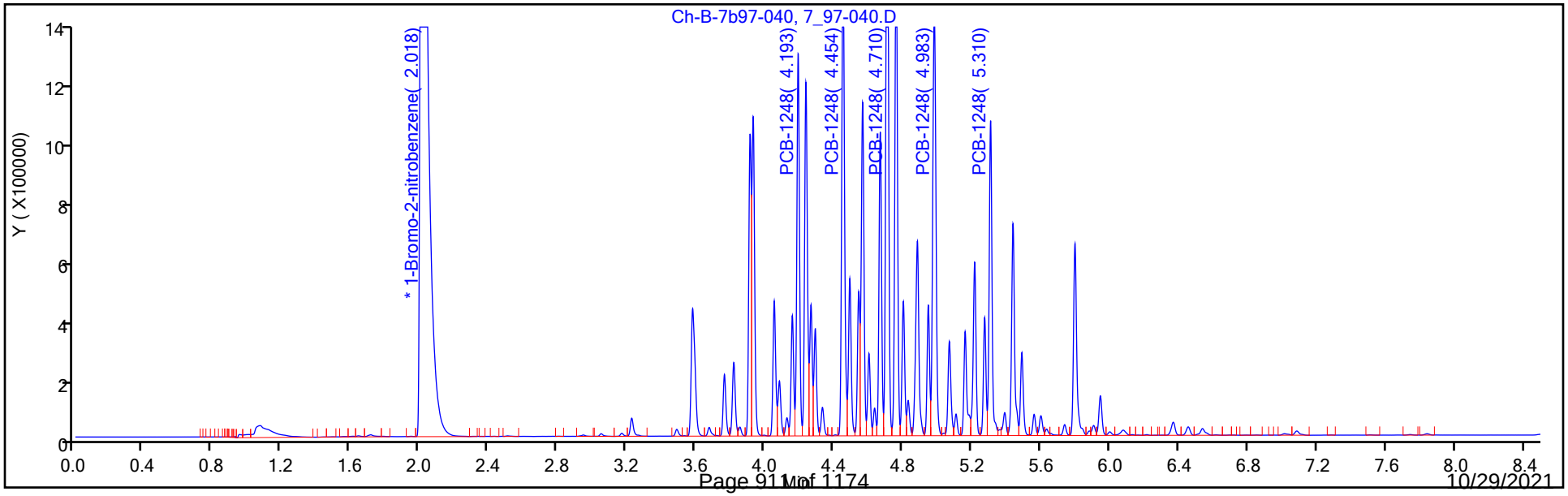
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Injection Date:	15-May-2021 01:06:53	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC level 3			Worklist Smp#:	28
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Calibration / PCB-1248 Peak 1

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

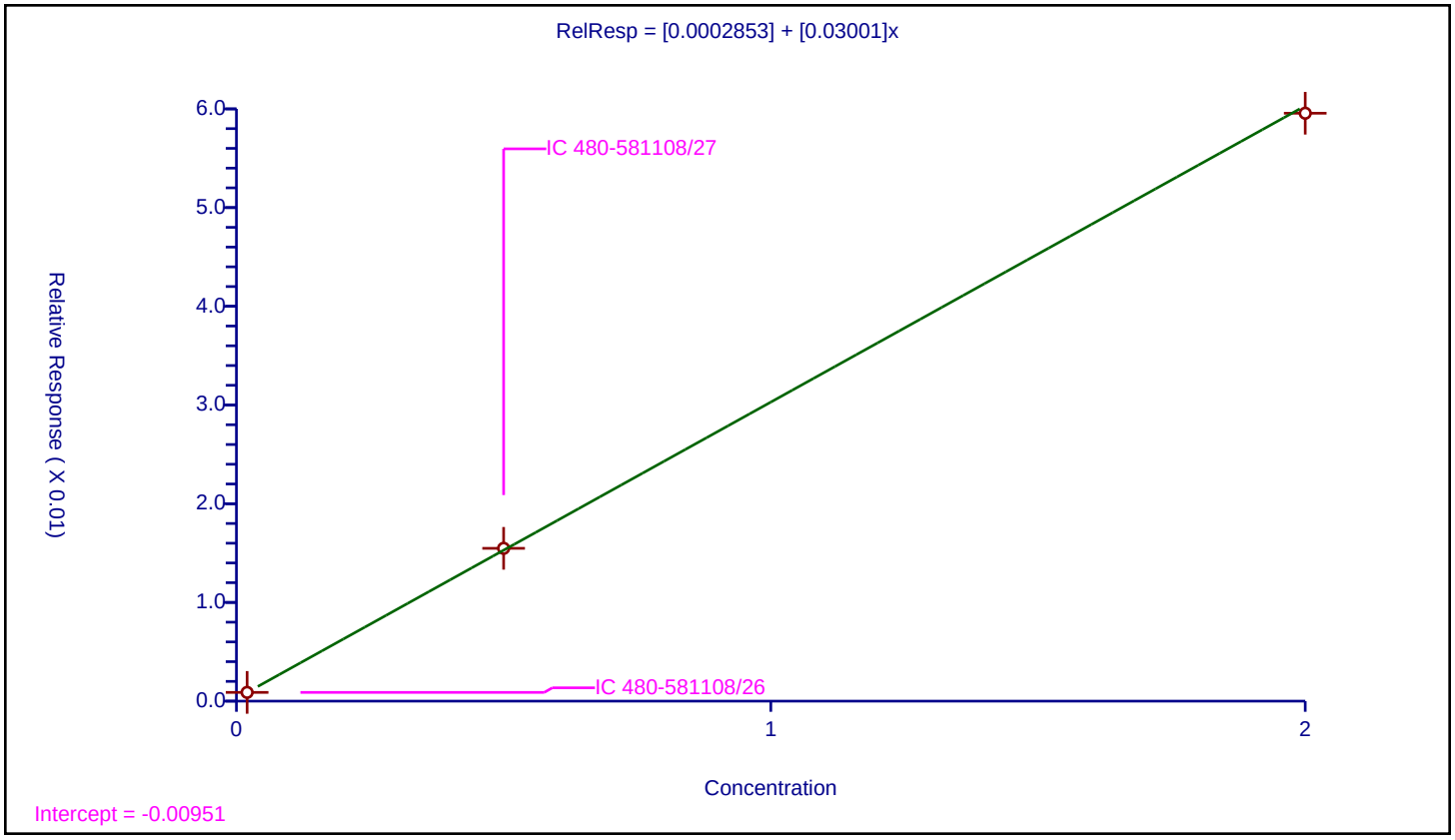
Curve Coefficients

Intercept:	0.0002853
Slope:	0.03001

Error Coefficients

Standard Error:	1410000
Relative Standard Error:	1.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/26	0.02	0.000885	0.5	11440453.0	0.044264	Y
2	IC 480-581108/27	0.5	0.015482	0.5	11833376.0	0.030964	Y
3	IC 480-581108/28	2.0	0.059561	0.5	11457953.0	0.029781	Y



Calibration / PCB-1248 Peak 2

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

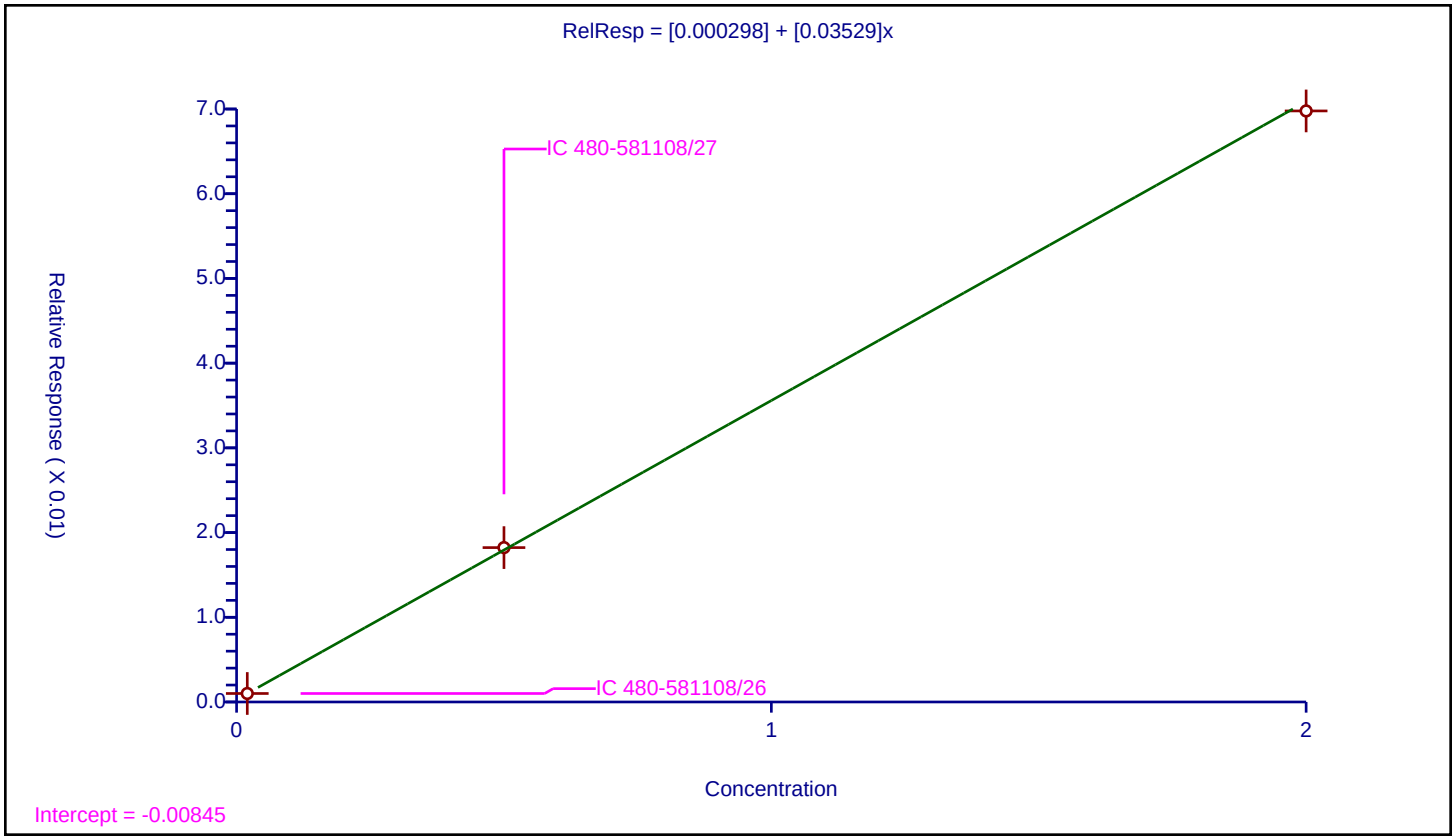
Curve Coefficients

Intercept:	0.000298
Slope:	0.03529

Error Coefficients

Standard Error:	1660000
Relative Standard Error:	2.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/26	0.02	0.001003	0.5	11440453.0	0.050173	Y
2	IC 480-581108/27	0.5	0.018226	0.5	11833376.0	0.036451	Y
3	IC 480-581108/28	2.0	0.069773	0.5	11457953.0	0.034887	Y



Calibration / PCB-1248 Peak 3

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

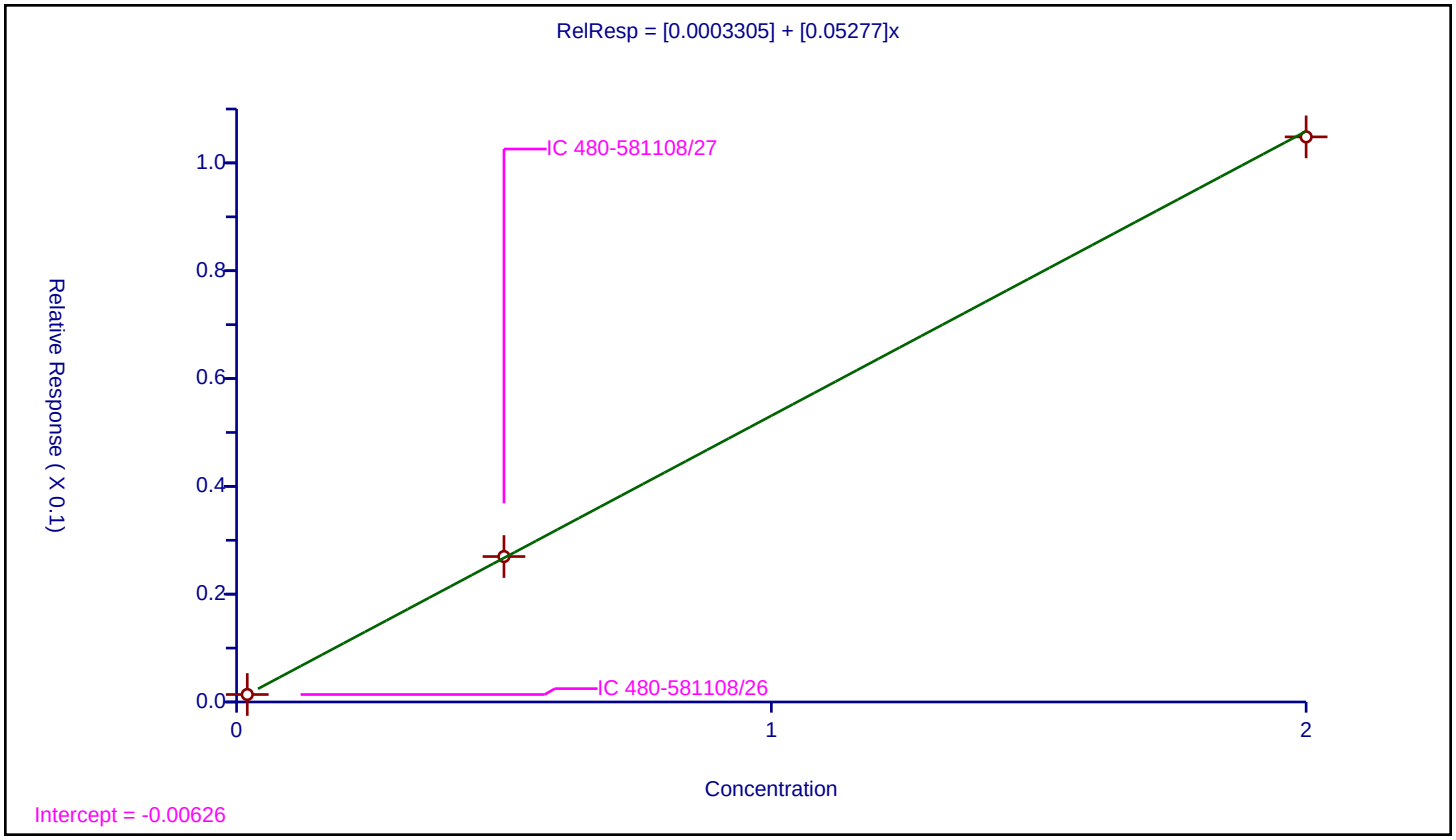
Curve Coefficients

Intercept:	0.0003305
Slope:	0.05277

Error Coefficients

Standard Error:	2490000
Relative Standard Error:	1.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/26	0.02	0.001386	0.5	11440453.0	0.06928	Y
2	IC 480-581108/27	0.5	0.026984	0.5	11833376.0	0.053969	Y
3	IC 480-581108/28	2.0	0.104829	0.5	11457953.0	0.052415	Y



Calibration / PCB-1248 Peak 4

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

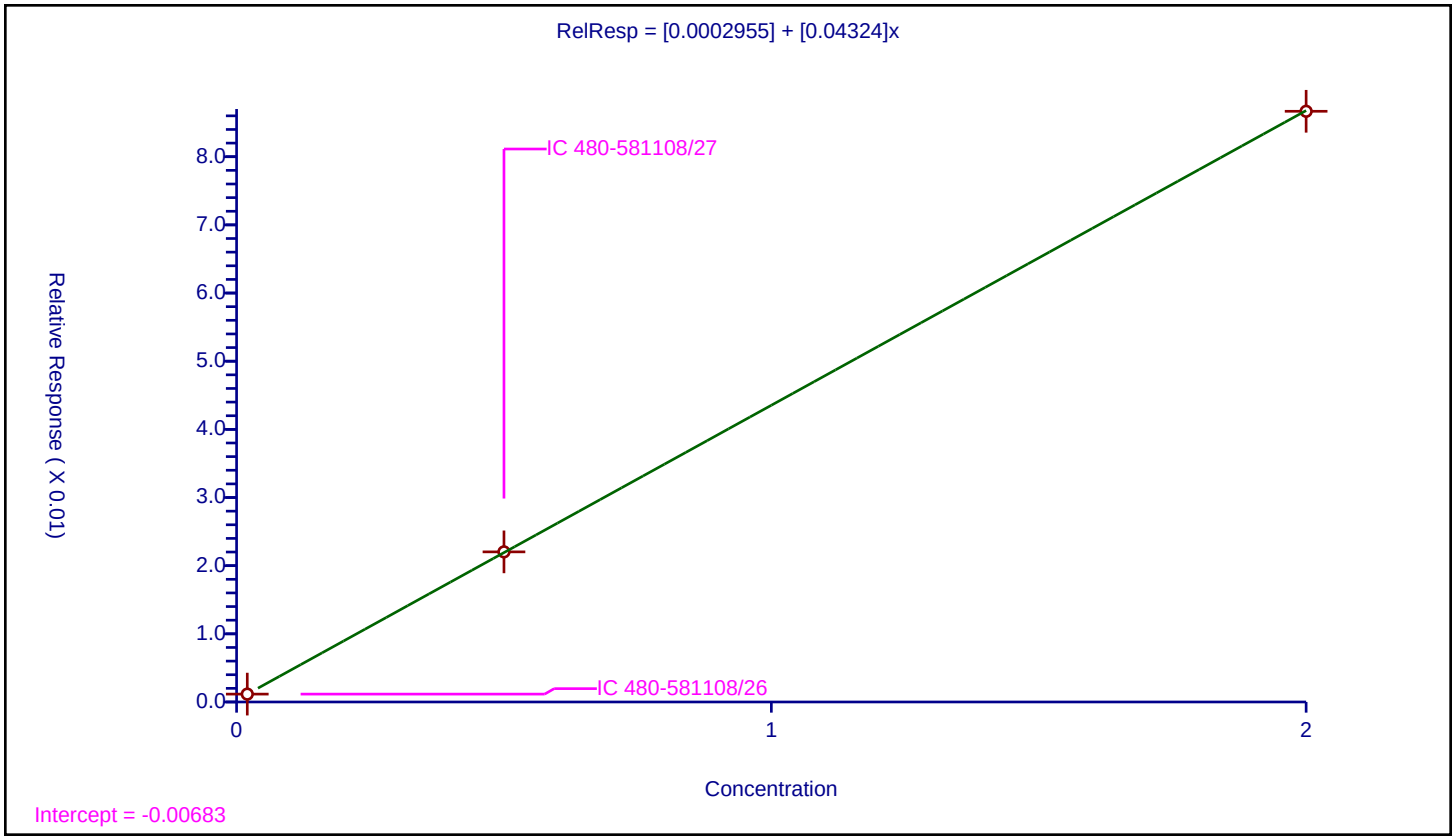
Curve Coefficients

Intercept:	0.0002955
Slope:	0.04324

Error Coefficients

Standard Error:	2050000
Relative Standard Error:	0.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/26	0.02	0.001157	0.5	11440453.0	0.057847	Y
2	IC 480-581108/27	0.5	0.022026	0.5	11833376.0	0.044053	Y
3	IC 480-581108/28	2.0	0.086666	0.5	11457953.0	0.043333	Y



Calibration / PCB-1248 Peak 5

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

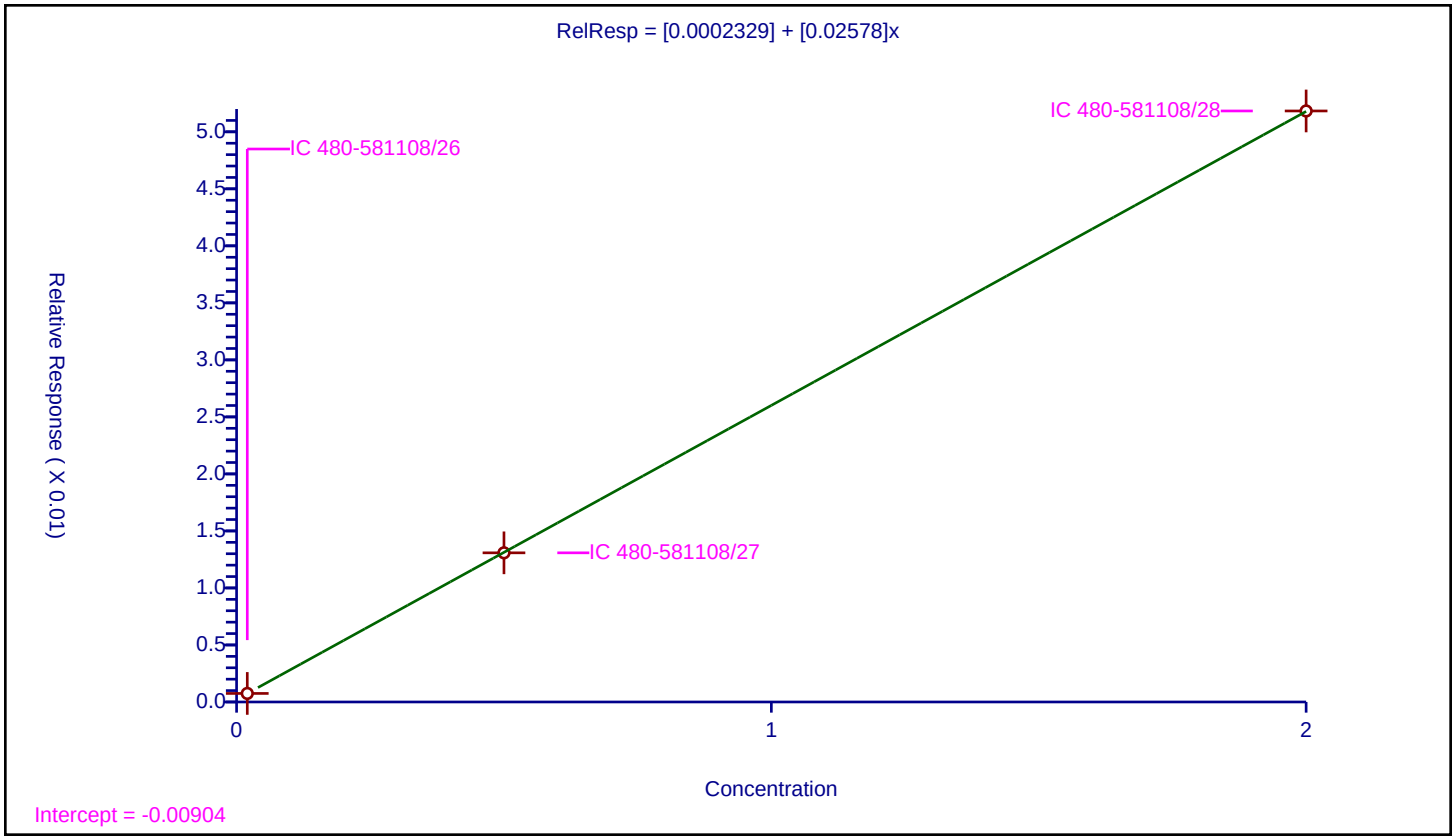
Curve Coefficients

Intercept:	0.0002329
Slope:	0.02578

Error Coefficients

Standard Error:	1230000
Relative Standard Error:	0.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/26	0.02	0.00075	0.5	11440453.0	0.037485	Y
2	IC 480-581108/27	0.5	0.013081	0.5	11833376.0	0.026162	Y
3	IC 480-581108/28	2.0	0.051829	0.5	11457953.0	0.025914	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 581108

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/15/2021 00:35 Calibration End Date: 05/15/2021 01:06 Calibration ID: 41846

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-581108/26	7_97-038.D
Level 2	IC 480-581108/27	7_97-039.D
Level 3	IC 480-581108/28	7_97-040.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3				B	M1	M2								
PCB-1248 Peak 1	0.0402	0.0295	0.0289			Lin2	0.0002	0.0289				0.6			1.0000		0.9900
PCB-1248 Peak 2	0.0527	0.0398	0.0389			Lin2	0.0003	0.0390				0.9			1.0000		0.9900
PCB-1248 Peak 3	0.0643	0.0518	0.0513			Lin2	0.0003	0.0512				0.1			1.0000		0.9900
PCB-1248 Peak 4	0.0476	0.0393	0.0396			Lin2	0.0002	0.0393				1.0			1.0000		0.9900
PCB-1248 Peak 5	0.0319	0.0252	0.0254			Lin2	0.0001	0.0251				1.1			1.0000		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1 Analy Batch No.: 581108

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/15/2021 00:35 Calibration End Date: 05/15/2021 01:06 Calibration ID: 41846

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-581108/26	7_97-038.D
Level 2	IC 480-581108/27	7_97-039.D
Level 3	IC 480-581108/28	7_97-040.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
PCB-1248 Peak 1	BNB	Lin2	17749	336971	1272629			0.0200	0.500	2.00		
PCB-1248 Peak 2	BNB	Lin2	23268	455001	1713916			0.0200	0.500	2.00		
PCB-1248 Peak 3	BNB	Lin2	28351	591403	2257583			0.0200	0.500	2.00		
PCB-1248 Peak 4	BNB	Lin2	21015	449139	1744403			0.0200	0.500	2.00		
PCB-1248 Peak 5	BNB	Lin2	14077	288099	1117973			0.0200	0.500	2.00		

Curve Type Legend
Lin2 = Linear 1/conc^2 ISTD

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-038.D
Lims ID: IC level 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 15-May-2021 00:35:06 ALS Bottle#: 0 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub10

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2021 13:21:44 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1602

First Level Reviewer: schickr Date: 15-May-2021 13:20:30

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.825	1.825	0.000	11440453	0.5000	0.5000	
2	2.016	2.016	0.000	11030753	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1248							
1	4.063	4.063	0.000	20256	0.0200	0.0200	
1	4.249	4.249	0.000	22960	0.0200	0.0200	
1	4.604	4.604	0.000	31704	0.0200	0.0200	
1	4.755	4.755	0.000	26472	0.0200	0.0199	
1	5.104	5.104	0.000	17154	0.0200	0.0200	
		Average of Peak Amounts =				0.0200	
2	4.193	4.193	0.000	17749	0.0200	0.0200	
2	4.453	4.453	0.000	23268	0.0200	0.0200	
2	4.710	4.710	0.000	28351	0.0200	0.0200	
2	4.983	4.983	0.000	21015	0.0200	0.0200	
2	5.309	5.309	0.000	14077	0.0200	0.0200	
		Average of Peak Amounts =				0.0200	
						RPD = 0.06	

QC Flag Legend
Processing Flags

Reagents:
1248w/IS@ .02_00021 Amount Added: 1.00 Units: mL

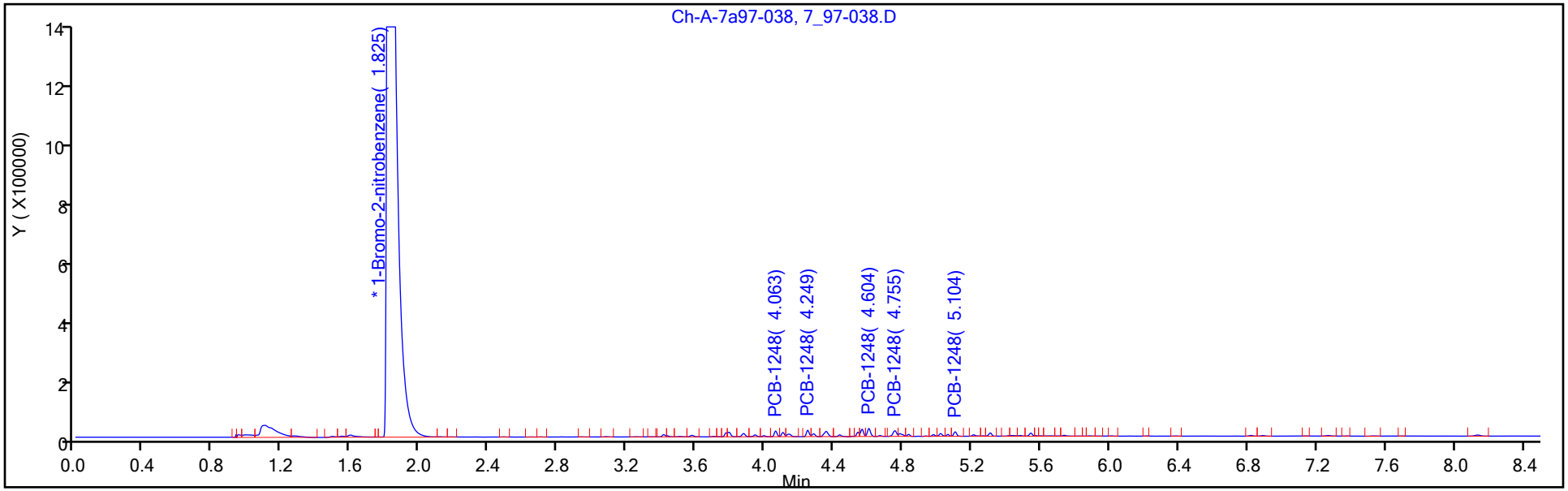
Report Date: 15-May-2021 13:21:44 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

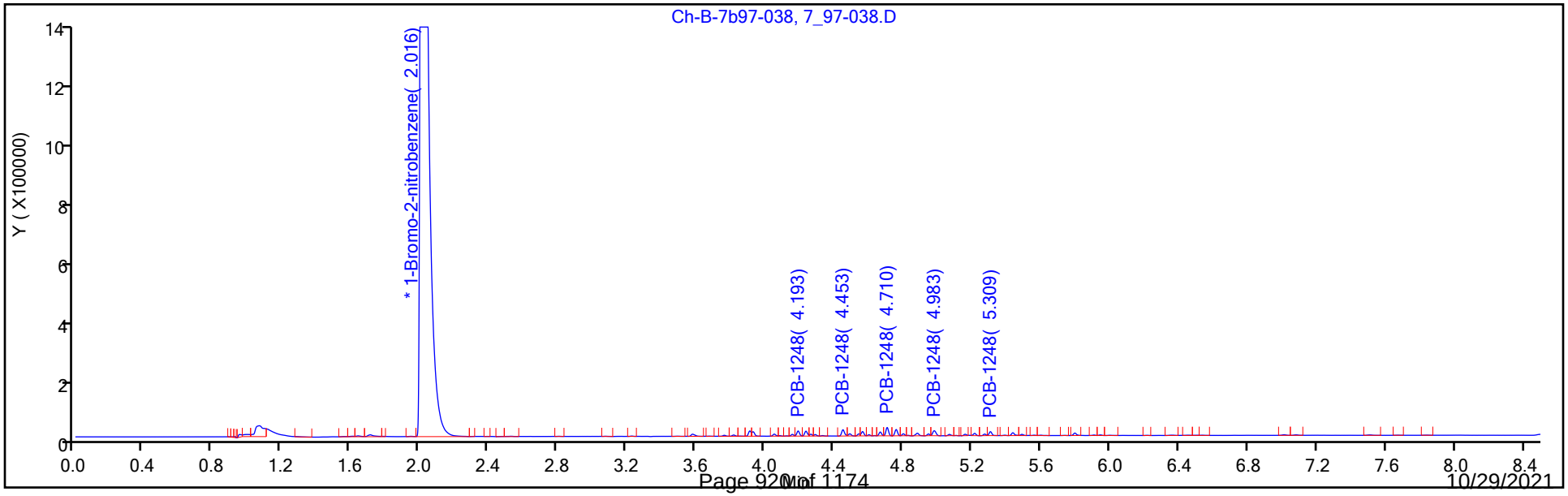
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-038.D

Injection Date:	15-May-2021 00:35:06	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC level 1			Worklist Smp#:	26
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-039.D
Lims ID: IC level 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 15-May-2021 00:50:51 ALS Bottle#: 0 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub10

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2021 13:21:45 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1602

First Level Reviewer: schickr Date: 15-May-2021 13:20:16

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.825	1.825	0.000	11833376	0.5000	0.5000	
2	2.016	2.016	0.000	11423706	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1248							
1	4.063	4.063	0.000	366403	0.5000	0.5064	
1	4.250	4.250	0.000	431344	0.5000	0.5080	
1	4.603	4.603	0.000	638634	0.5000	0.5051	
1	4.755	4.755	0.000	521290	0.5000	0.5026	
1	5.105	5.105	0.000	309585	0.5000	0.4984	
		Average of Peak Amounts =				0.5041	
2	4.193	4.193	0.000	336971	0.5000	0.5021	
2	4.454	4.454	0.000	455001	0.5000	0.5031	
2	4.710	4.710	0.000	591403	0.5000	0.5004	
2	4.983	4.983	0.000	449139	0.5000	0.4963	
2	5.309	5.309	0.000	288099	0.5000	0.4961	
		Average of Peak Amounts =				0.4996	
						RPD = 0.90	

QC Flag Legend
Processing Flags

Reagents:
1248w/IS@ 0.5_00086 Amount Added: 1.00 Units: mL

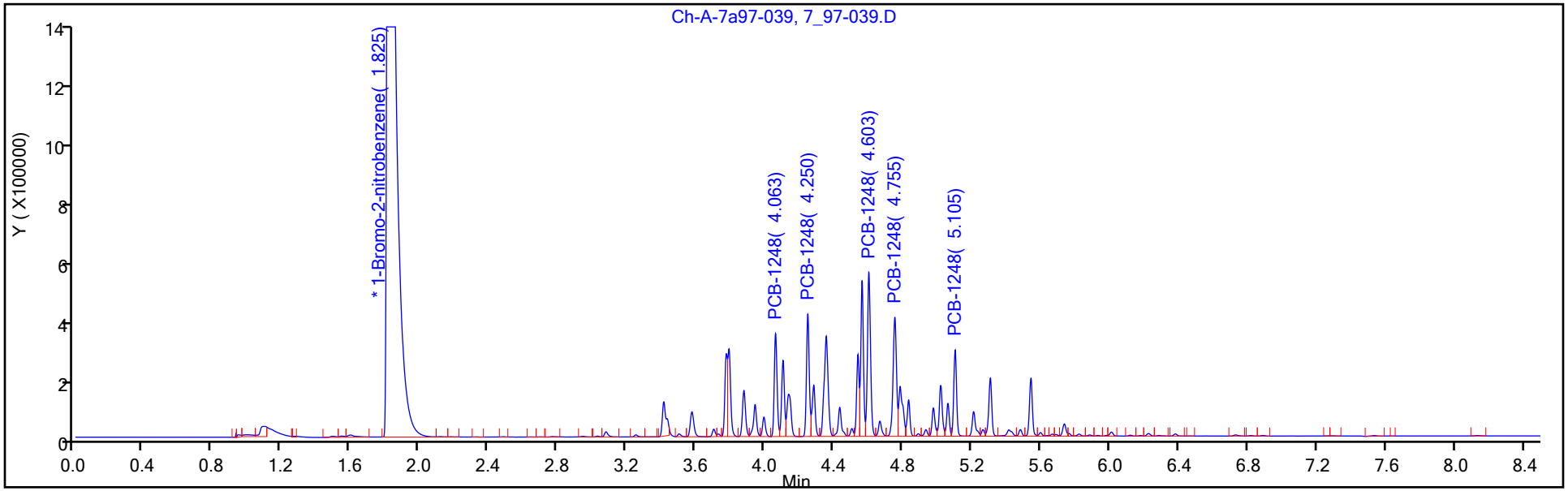
Report Date: 15-May-2021 13:21:46 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

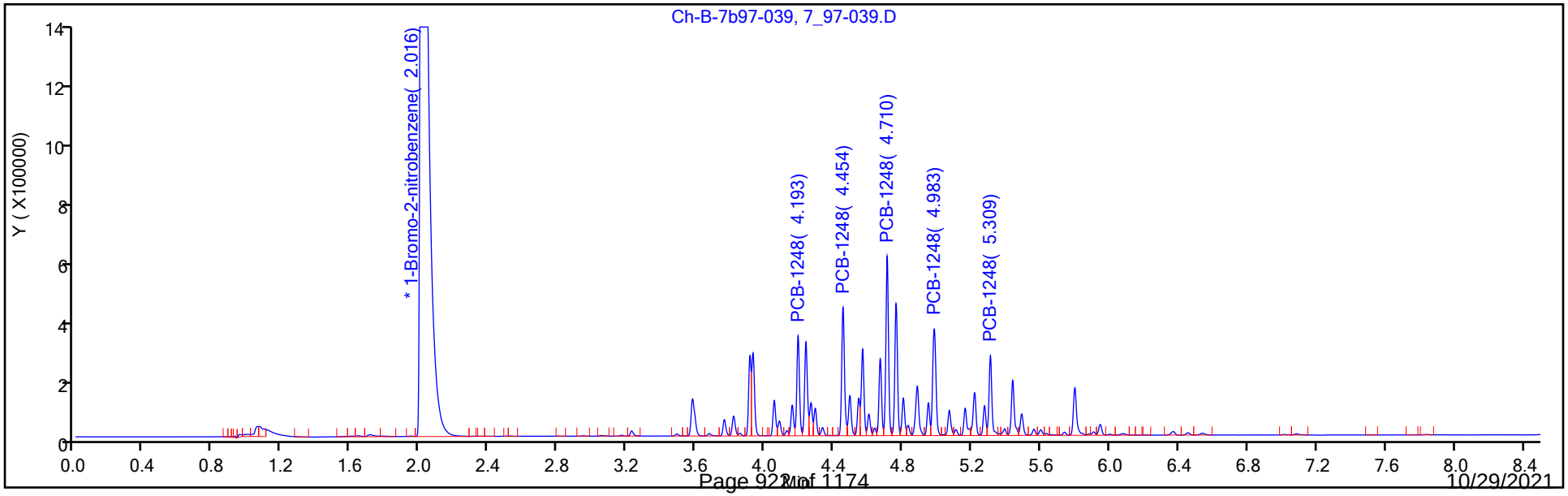
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-039.D

Injection Date:	15-May-2021 00:50:51	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC level 2			Worklist Smp#:	27
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D
Lims ID: IC level 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 15-May-2021 01:06:53 ALS Bottle#: 0 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub10

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2021 13:21:47 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1602

First Level Reviewer: schickr Date: 15-May-2021 13:20:54

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.828	1.825	0.003	11457953	0.5000	0.5000	
2	2.018	2.016	0.002	11001010	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1248							
1	4.063	4.063	0.001	1364904	2.00	1.98	
1	4.250	4.250	0.000	1598915	2.00	1.97	
1	4.604	4.603	0.001	2402261	2.00	1.98	
1	4.755	4.755	0.000	1986036	2.00	2.00	
1	5.104	5.105	-0.001	1187698	2.00	2.00	
		Average of Peak Amounts =				1.98	
2	4.193	4.193	0.000	1272629	2.00	1.99	
2	4.454	4.454	0.000	1713916	2.00	1.99	
2	4.710	4.710	0.000	2257583	2.00	2.00	
2	4.983	4.983	0.000	1744403	2.00	2.01	
2	5.310	5.309	0.001	1117973	2.00	2.02	
		Average of Peak Amounts =				2.00	
						RPD = 0.85	

QC Flag Legend
Processing Flags

Reagents:
1248w/IS@ 2.0_00022 Amount Added: 1.00 Units: mL

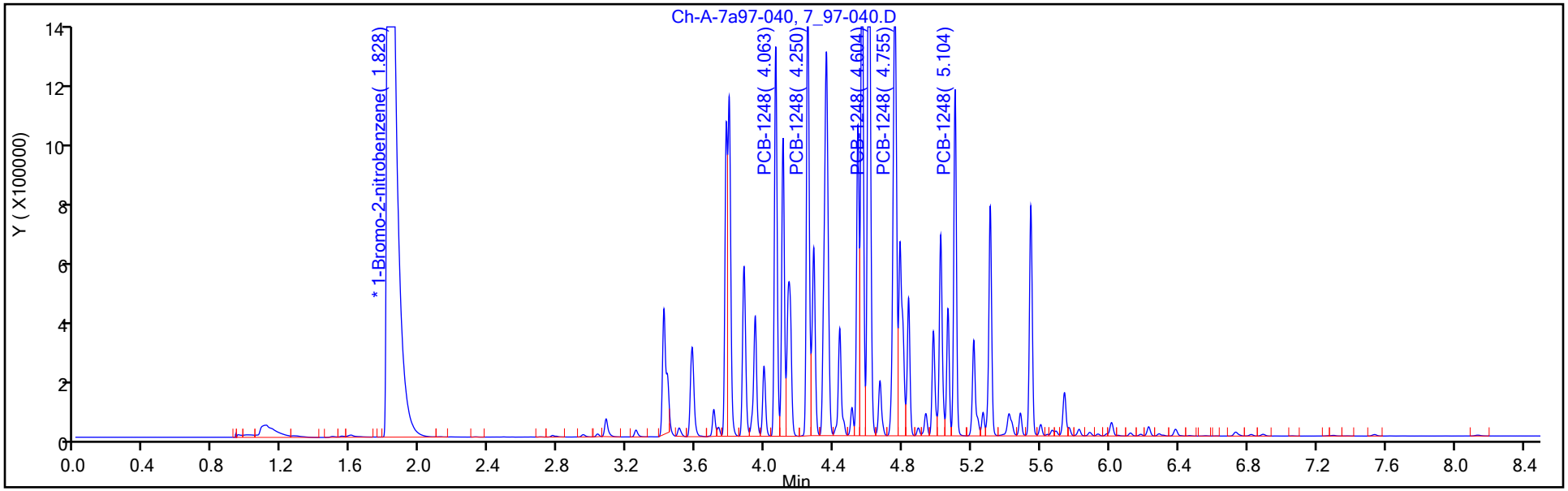
Report Date: 15-May-2021 13:21:47 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

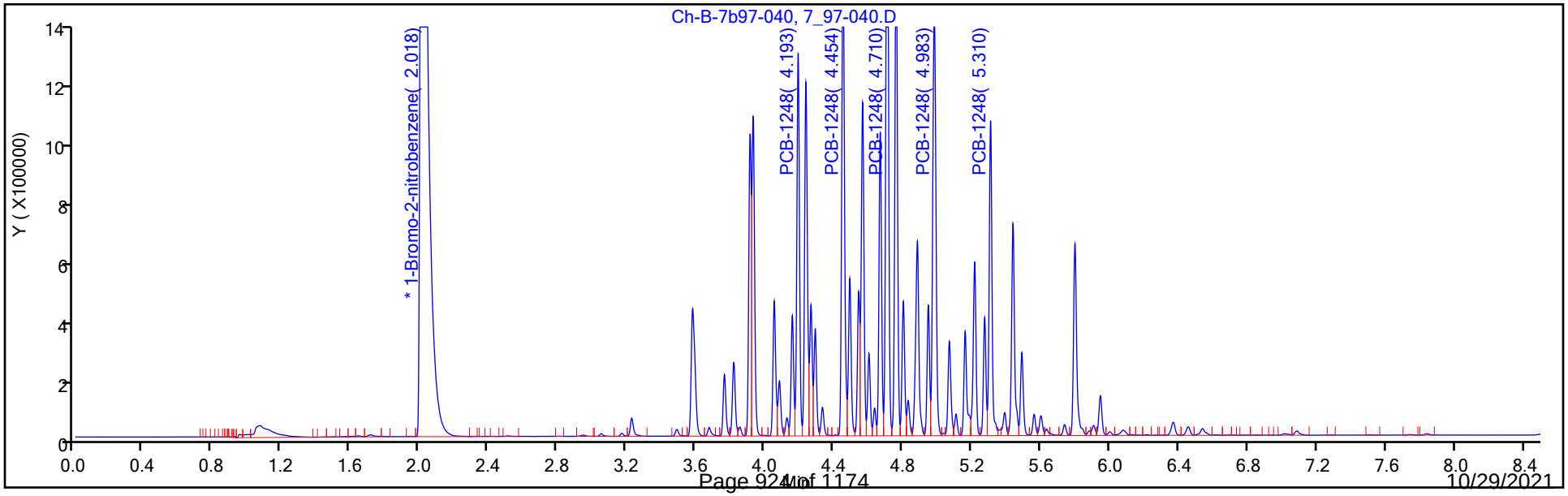
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Injection Date:	15-May-2021 01:06:53	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC level 3			Worklist Smp#:	28
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Calibration / PCB-1248 Peak 1

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

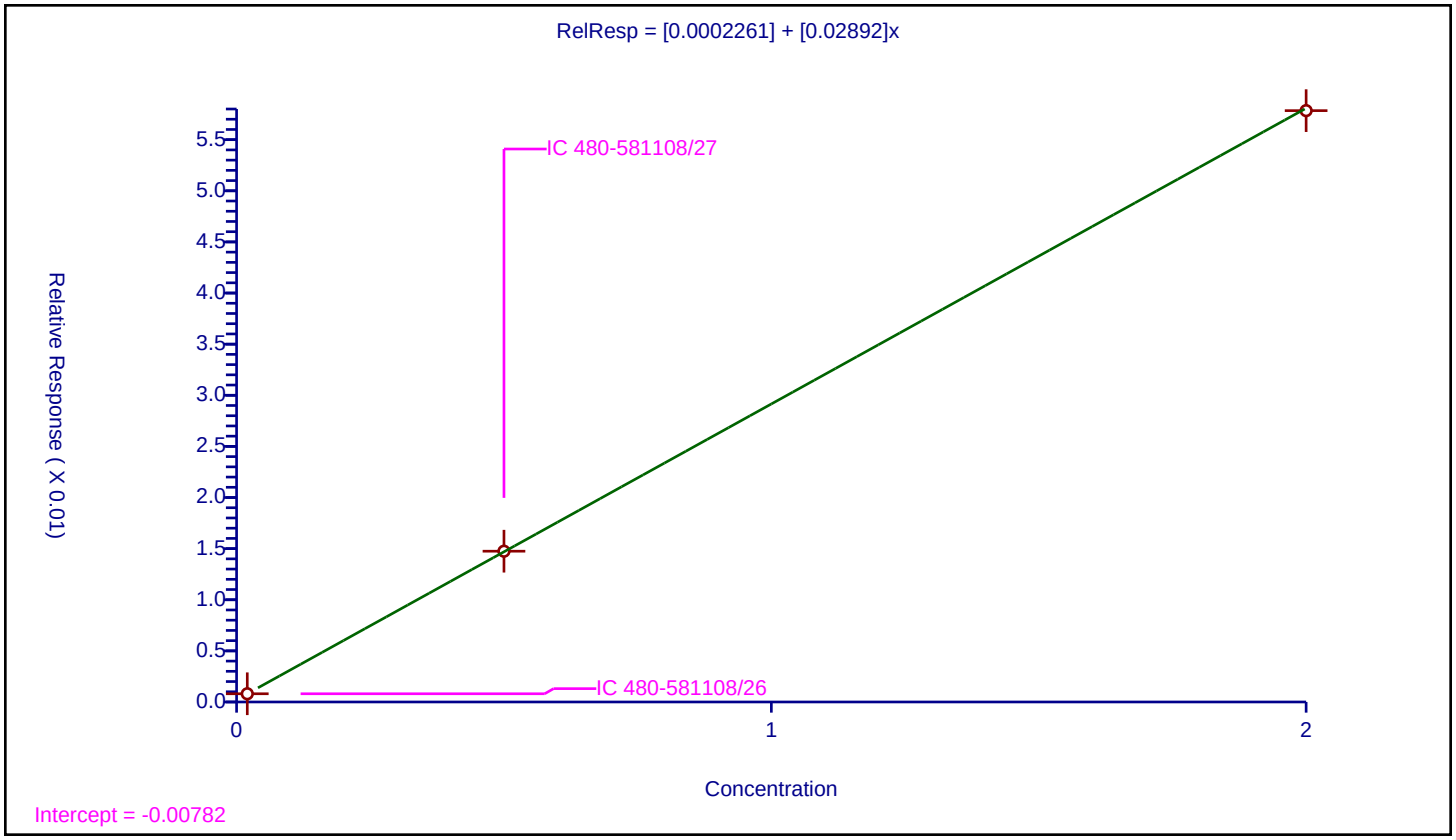
Curve Coefficients

Intercept:	0.0002261
Slope:	0.02892

Error Coefficients

Standard Error:	1320000
Relative Standard Error:	0.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/26	0.02	0.000805	0.5	11030753.0	0.040226	Y
2	IC 480-581108/27	0.5	0.014749	0.5	11423706.0	0.029498	Y
3	IC 480-581108/28	2.0	0.057841	0.5	11001010.0	0.028921	Y



Calibration / PCB-1248 Peak 2

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

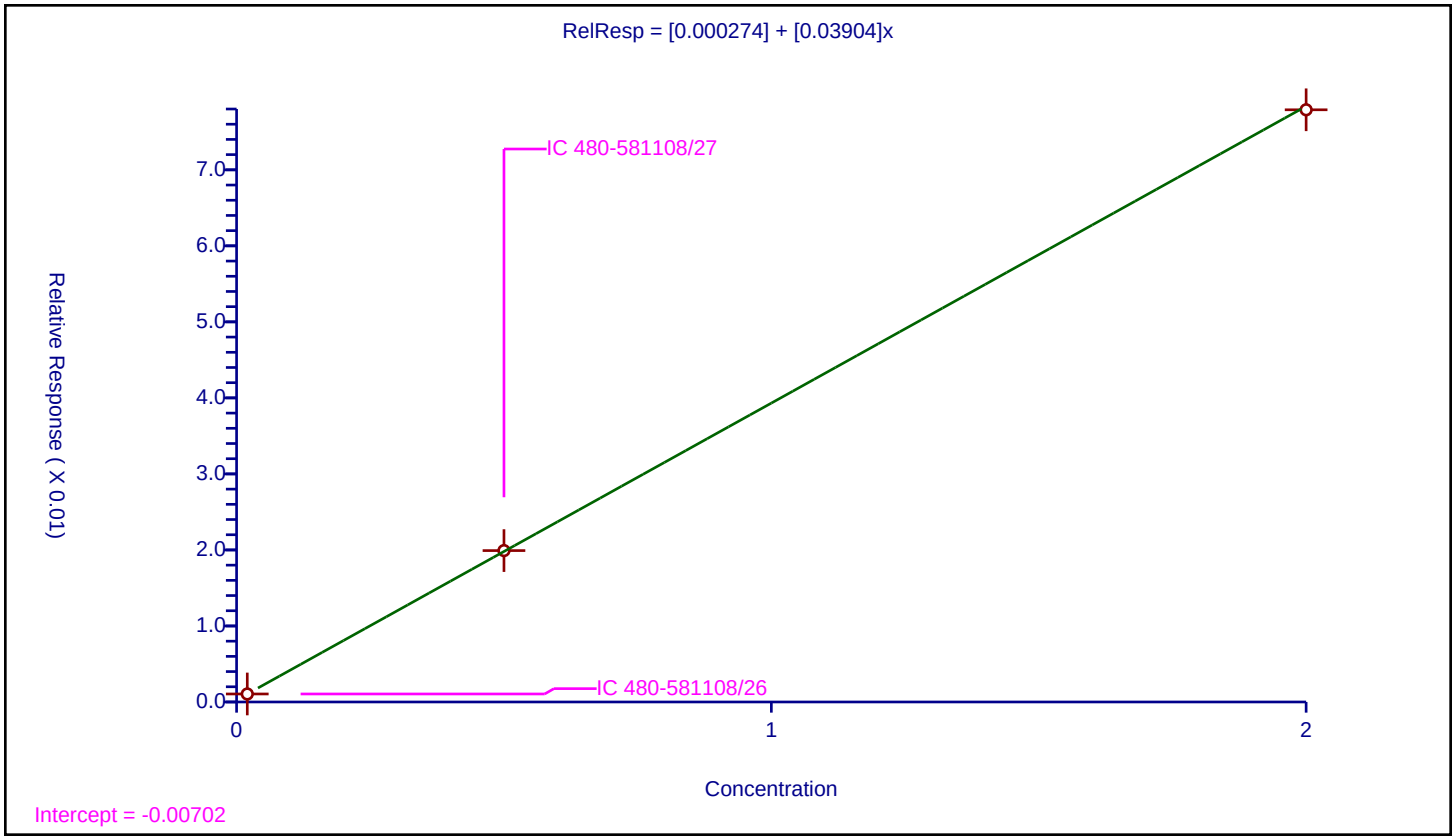
Curve Coefficients

Intercept:	0.000274
Slope:	0.03904

Error Coefficients

Standard Error:	1770000
Relative Standard Error:	0.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/26	0.02	0.001055	0.5	11030753.0	0.052734	Y
2	IC 480-581108/27	0.5	0.019915	0.5	11423706.0	0.03983	Y
3	IC 480-581108/28	2.0	0.077898	0.5	11001010.0	0.038949	Y



Calibration / PCB-1248 Peak 3

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

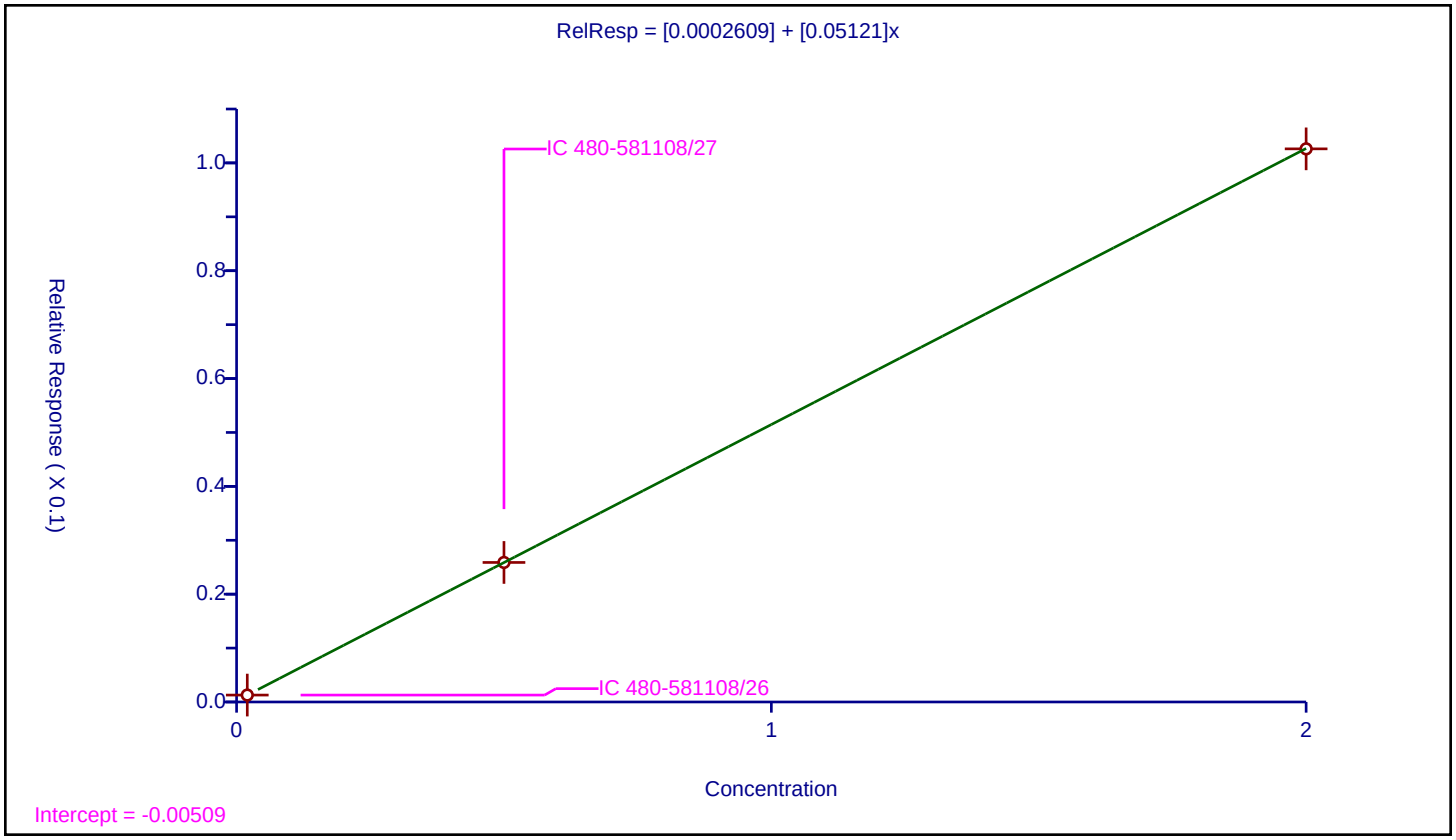
Curve Coefficients

Intercept:	0.0002609
Slope:	0.05121

Error Coefficients

Standard Error:	2330000
Relative Standard Error:	0.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/26	0.02	0.001285	0.5	11030753.0	0.064254	Y
2	IC 480-581108/27	0.5	0.025885	0.5	11423706.0	0.05177	Y
3	IC 480-581108/28	2.0	0.102608	0.5	11001010.0	0.051304	Y



Calibration / PCB-1248 Peak 4

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

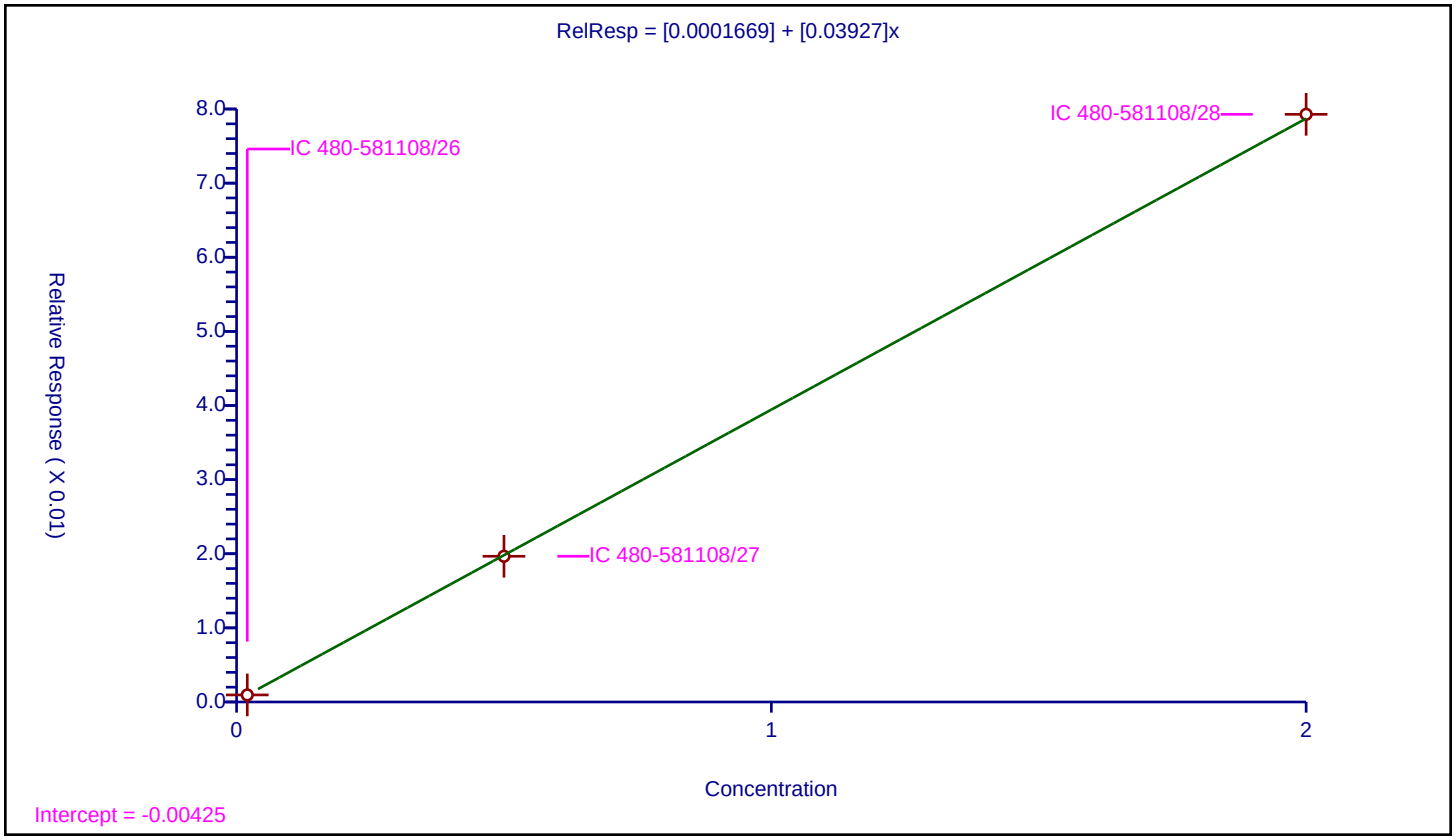
Curve Coefficients

Intercept:	0.0001669
Slope:	0.03927

Error Coefficients

Standard Error:	1800000
Relative Standard Error:	1.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/26	0.02	0.000953	0.5	11030753.0	0.047628	Y
2	IC 480-581108/27	0.5	0.019658	0.5	11423706.0	0.039316	Y
3	IC 480-581108/28	2.0	0.079284	0.5	11001010.0	0.039642	Y



Calibration / PCB-1248 Peak 5

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

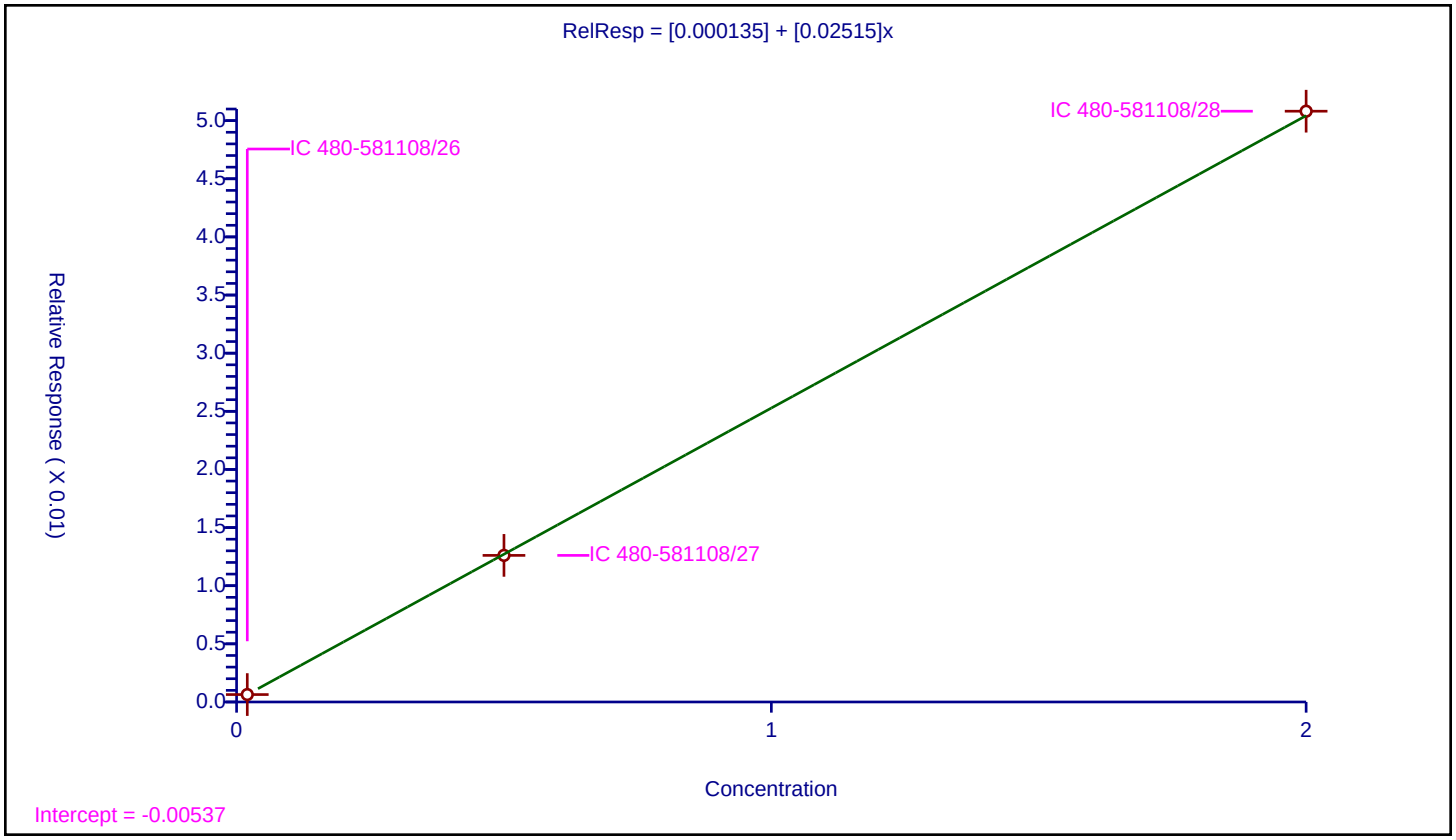
Curve Coefficients

Intercept:	0.000135
Slope:	0.02515

Error Coefficients

Standard Error:	1150000
Relative Standard Error:	1.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-581108/26	0.02	0.000638	0.5	11030753.0	0.031904	Y
2	IC 480-581108/27	0.5	0.01261	0.5	11423706.0	0.025219	Y
3	IC 480-581108/28	2.0	0.050812	0.5	11001010.0	0.025406	Y



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: ICV 480-581108/9 Calibration Date: 05/14/2021 20:05

Instrument ID: HP6890-7 Calib Start Date: 05/14/2021 18:14

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/14/2021 19:50

Lab File ID: 7_97-021.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin2		0.0195		0.470	0.500	-6.0	20.0
PCB-1016 Peak 2	Lin2		0.0250		0.460	0.500	-8.0	20.0
PCB-1016 Peak 3	Lin2		0.0641		0.478	0.500	-4.5	20.0
PCB-1016 Peak 4	Lin1		0.0362		0.495	0.500	-1.0	20.0
PCB-1016 Peak 5	Lin2		0.0262		0.467	0.500	-6.6	20.0
PCB-1260 Peak 1	Lin2		0.0535		0.497	0.500	-0.6	20.0
PCB-1260 Peak 2	Lin1		0.0610		0.507	0.500	1.3	20.0
PCB-1260 Peak 3	Lin2		0.0825		0.543	0.500	8.7	20.0
PCB-1260 Peak 4	Lin2		0.0381		0.397	0.500	-20.7*	20.0
PCB-1260 Peak 5	Lin1		0.1005		0.432	0.500	-13.5	20.0
1260 Res 1	None		0.0539			500		20.0
1260 Res 2	None		0.0205			500		20.0
1260 Res 3	None		0.0239			500		20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: ICV 480-581108/9 Calibration Date: 05/14/2021 20:05

Instrument ID: HP6890-7 Calib Start Date: 05/14/2021 18:14

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/14/2021 19:50

Lab File ID: 7_97-021.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	3.08	3.05	3.11
PCB-1016 Peak 2	3.41	3.38	3.44
PCB-1016 Peak 3	3.79	3.76	3.82
PCB-1016 Peak 4	3.88	3.85	3.91
PCB-1016 Peak 5	4.25	4.22	4.28
PCB-1260 Peak 1	5.30	5.27	5.33
PCB-1260 Peak 2	5.48	5.45	5.51
PCB-1260 Peak 3	5.74	5.71	5.77
PCB-1260 Peak 4	5.88	5.85	5.91
PCB-1260 Peak 5	6.38	6.35	6.41
1260 Res 1	6.73	6.70	6.76
1260 Res 2	6.82	6.79	6.85
1260 Res 3	6.89	6.86	6.92

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-021.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 14-May-2021 20:05:56 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2021 13:50:48 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1602

First Level Reviewer: schickr Date: 15-May-2021 12:58:33

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.826	1.825	0.001	11474133	0.5000	0.5000	
2	2.017	2.016	0.001	10982864	0.5000	0.5000	
						RPD = 0.00	
4 PCB-1016							
1	3.078	3.078	0.000	223642	0.5000	0.4699	
1	3.413	3.413	0.000	286320	0.5000	0.4598	
1	3.792	3.793	0.000	735208	0.5000	0.4776	
1	3.878	3.878	0.000	414891	0.5000	0.4952	
1	4.249	4.249	0.000	300548	0.5000	0.4670	
		Average of Peak Amounts =				0.4739	
2	3.228	3.228	0.000	210272	0.5000	0.4986	
2	3.582	3.583	0.000	467302	0.5000	0.4930	
2	3.932	3.932	0.000	668249	0.5000	0.4892	
2	4.055	4.053	0.002	402246	0.5000	0.4598	
2	4.453	4.453	0.000	340324	0.5000	0.4804	
		Average of Peak Amounts =				0.4842	
						RPD = 2.14	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
8 PCB-1260							
1	5.298	5.299	-0.001	614166	0.5000	0.4971	
1	5.483	5.483	0.000	699408	0.5000	0.5065	
1	5.738	5.738	0.000	946382	0.5000	0.5433	
1	5.884	5.884	0.000	436997	0.5000	0.3965	
1	6.383	6.384	-0.002	1152781	0.5000	0.4324	
		Average of Peak Amounts =				0.4752	
2	5.462	5.462	0.000	610457	0.5000	0.5076	
2	5.563	5.563	0.000	683943	0.5000	0.5055	
2	5.947	5.946	0.001	683940	0.5000	0.5438	
2	6.358	6.358	0.000	536137	0.5000	0.4490	
2	6.538	6.538	0.000	1304634	0.5000	0.4455	
		Average of Peak Amounts =				0.4903	
						RPD = 3.13	
10 1260 Res 1							
1	6.732	6.732	0.000	618057	NC	NC	
2	6.358	6.358	0.000	536137	NC	NC	
11 1260 Res 2							
1	6.822	6.822	0.000	234954	NC	NC	
2	6.448	6.448	0.000	405675	NC	NC	
12 1260 Res 3							
1	6.891	6.889	0.002	274519	NC	NC	
2	6.538	6.538	0.000	1304634	NC	NC	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

AR1660ALTSTD_00020 Amount Added: 1.00 Units: mL

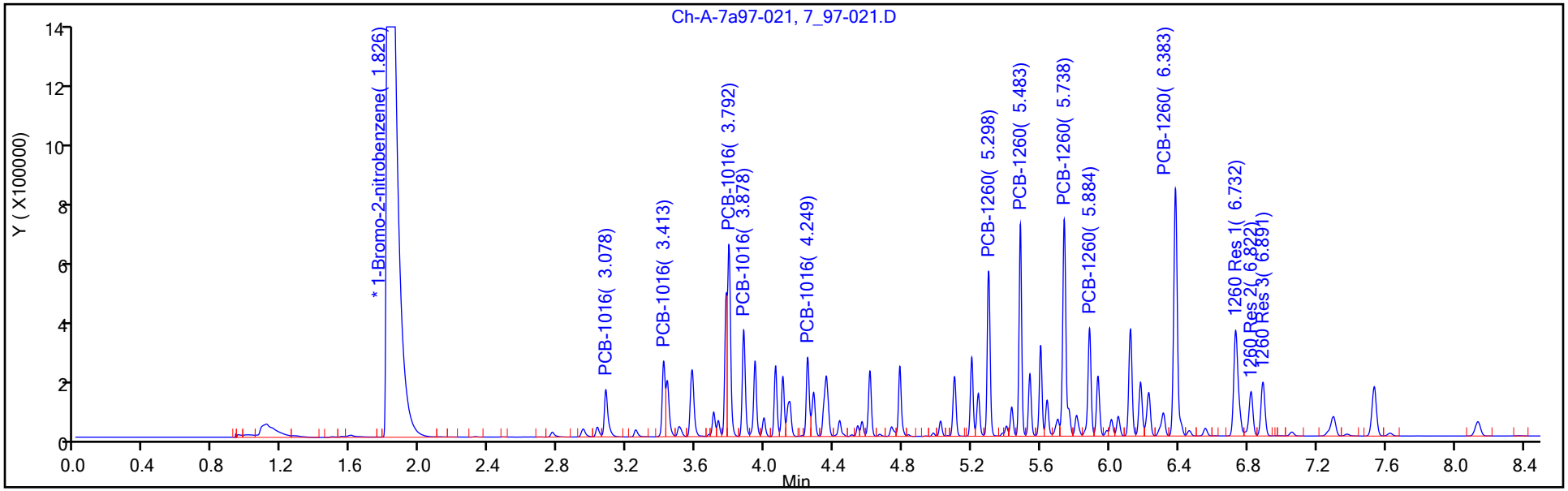
Report Date: 15-May-2021 13:51:08 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

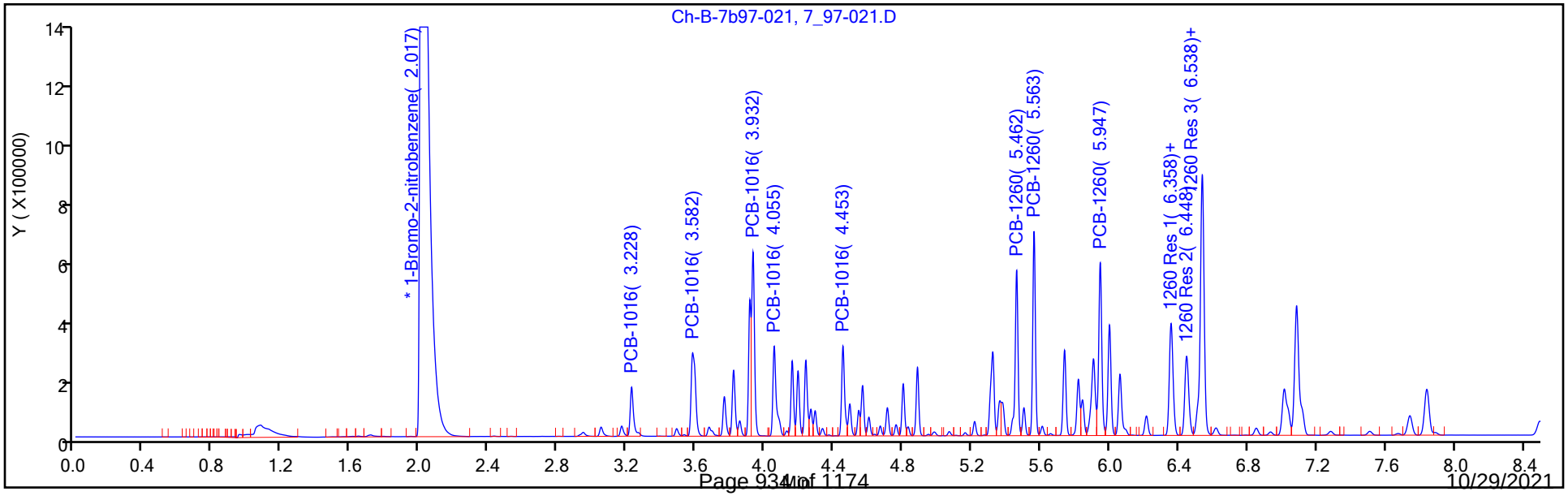
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-021.D

Injection Date:	14-May-2021 20:05:56	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	ICV			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: ICV 480-581108/9 Calibration Date: 05/14/2021 20:05

Instrument ID: HP6890-7 Calib Start Date: 05/14/2021 18:14

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/14/2021 19:50

Lab File ID: 7_97-021.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin2		0.0191		0.499	0.500	-0.3	20.0
PCB-1016 Peak 2	Lin2		0.0425		0.493	0.500	-1.4	20.0
PCB-1016 Peak 3	Lin2		0.0608		0.489	0.500	-2.2	20.0
PCB-1016 Peak 4	Ave	0.0398	0.0366		0.460	0.500	-8.0	20.0
PCB-1016 Peak 5	Lin1		0.0310		0.480	0.500	-3.9	20.0
PCB-1260 Peak 1	Lin1		0.0556		0.508	0.500	1.5	20.0
PCB-1260 Peak 2	Ave	0.0616	0.0623		0.505	0.500	1.1	20.0
PCB-1260 Peak 3	Lin1		0.0623		0.544	0.500	8.8	20.0
1260 Res 1	None		0.0488			500		20.0
PCB-1260 Peak 4	Lin1		0.0488		0.449	0.500	-10.2	20.0
1260 Res 2	None		0.0369			500		20.0
1260 Res 3	None		0.1188			500		20.0
PCB-1260 Peak 5	Lin2		0.1188		0.445	0.500	-10.9	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: ICV 480-581108/9 Calibration Date: 05/14/2021 20:05

Instrument ID: HP6890-7 Calib Start Date: 05/14/2021 18:14

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/14/2021 19:50

Lab File ID: 7_97-021.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	3.23	3.20	3.26
PCB-1016 Peak 2	3.58	3.55	3.61
PCB-1016 Peak 3	3.93	3.90	3.96
PCB-1016 Peak 4	4.06	4.02	4.08
PCB-1016 Peak 5	4.45	4.42	4.48
PCB-1260 Peak 1	5.46	5.43	5.49
PCB-1260 Peak 2	5.56	5.53	5.59
PCB-1260 Peak 3	5.95	5.92	5.98
1260 Res 1	6.36	6.33	6.39
PCB-1260 Peak 4	6.36	6.33	6.39
1260 Res 2	6.45	6.42	6.48
1260 Res 3	6.54	6.51	6.57
PCB-1260 Peak 5	6.54	6.51	6.57

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-021.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 14-May-2021 20:05:56 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2021 13:50:48 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1602

First Level Reviewer: schickr Date: 15-May-2021 12:58:33

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.826	1.825	0.001	11474133	0.5000	0.5000	
2	2.017	2.016	0.001	10982864	0.5000	0.5000	
						RPD = 0.00	
4 PCB-1016							
1	3.078	3.078	0.000	223642	0.5000	0.4699	
1	3.413	3.413	0.000	286320	0.5000	0.4598	
1	3.792	3.793	0.000	735208	0.5000	0.4776	
1	3.878	3.878	0.000	414891	0.5000	0.4952	
1	4.249	4.249	0.000	300548	0.5000	0.4670	
		Average of Peak Amounts =				0.4739	
2	3.228	3.228	0.000	210272	0.5000	0.4986	
2	3.582	3.583	0.000	467302	0.5000	0.4930	
2	3.932	3.932	0.000	668249	0.5000	0.4892	
2	4.055	4.053	0.002	402246	0.5000	0.4598	
2	4.453	4.453	0.000	340324	0.5000	0.4804	
		Average of Peak Amounts =				0.4842	
						RPD = 2.14	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
8 PCB-1260							
1	5.298	5.299	-0.001	614166	0.5000	0.4971	
1	5.483	5.483	0.000	699408	0.5000	0.5065	
1	5.738	5.738	0.000	946382	0.5000	0.5433	
1	5.884	5.884	0.000	436997	0.5000	0.3965	
1	6.383	6.384	-0.002	1152781	0.5000	0.4324	
		Average of Peak Amounts =				0.4752	
2	5.462	5.462	0.000	610457	0.5000	0.5076	
2	5.563	5.563	0.000	683943	0.5000	0.5055	
2	5.947	5.946	0.001	683940	0.5000	0.5438	
2	6.358	6.358	0.000	536137	0.5000	0.4490	
2	6.538	6.538	0.000	1304634	0.5000	0.4455	
		Average of Peak Amounts =				0.4903	
						RPD = 3.13	
10 1260 Res 1							
1	6.732	6.732	0.000	618057	NC	NC	
2	6.358	6.358	0.000	536137	NC	NC	
11 1260 Res 2							
1	6.822	6.822	0.000	234954	NC	NC	
2	6.448	6.448	0.000	405675	NC	NC	
12 1260 Res 3							
1	6.891	6.889	0.002	274519	NC	NC	
2	6.538	6.538	0.000	1304634	NC	NC	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

AR1660ALTSTD_00020 Amount Added: 1.00 Units: mL

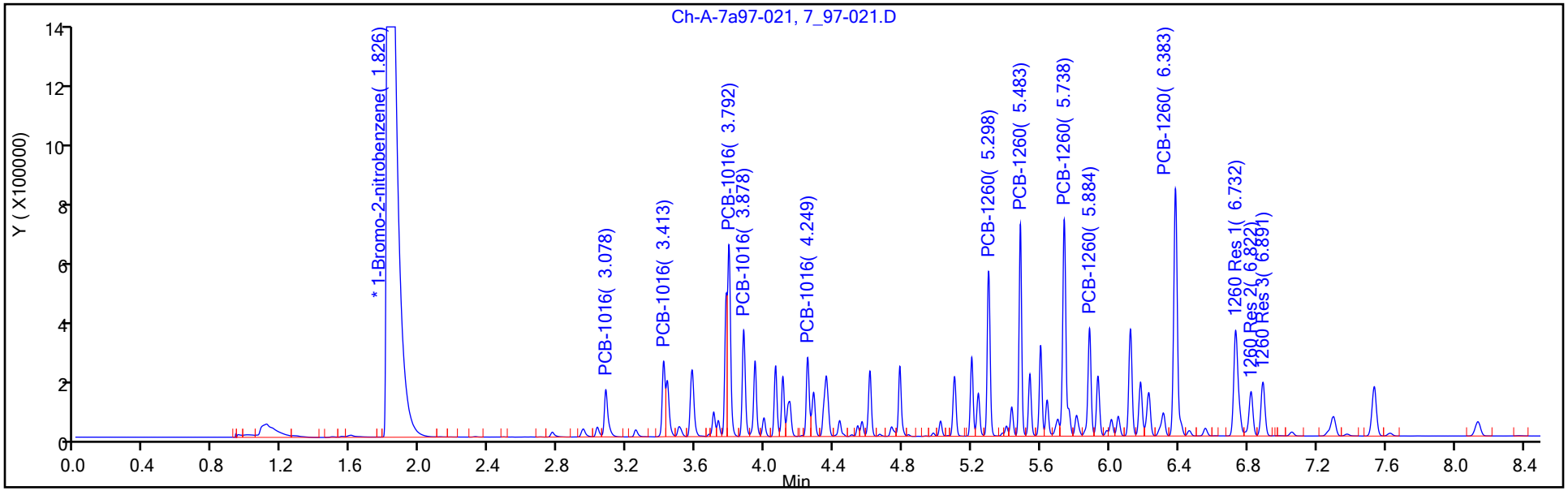
Report Date: 15-May-2021 13:51:09 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

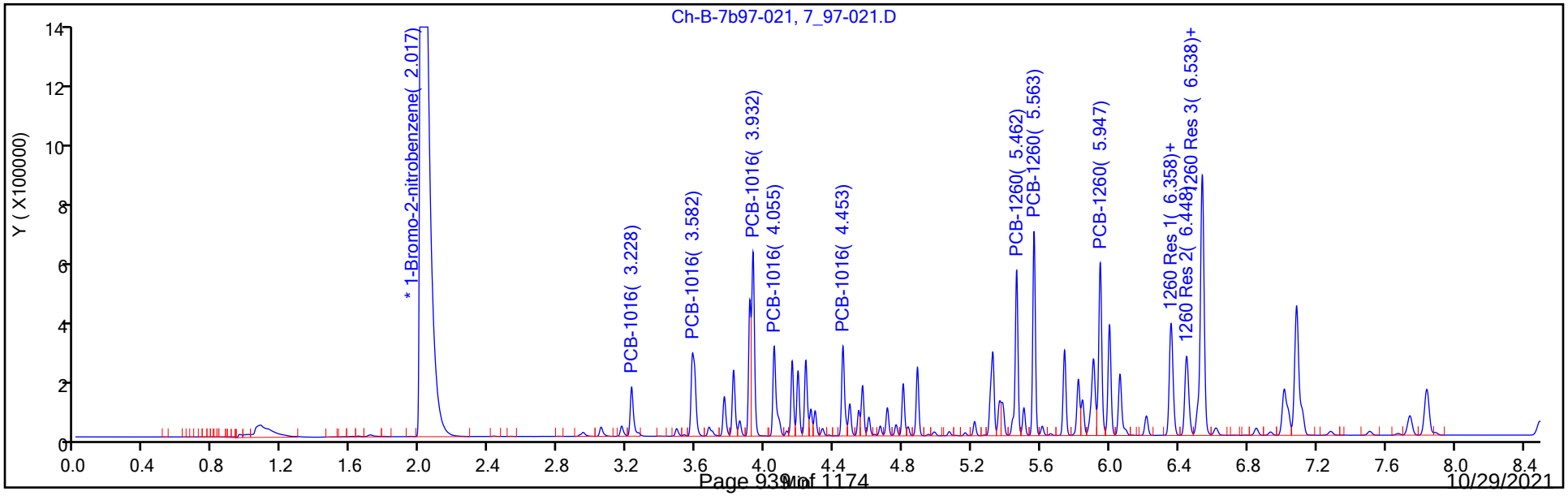
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-021.D

Injection Date:	14-May-2021 20:05:56	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	ICV			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: ICV 480-581108/17 Calibration Date: 05/14/2021 22:12

Instrument ID: HP6890-7 Calib Start Date: 05/14/2021 21:25

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/14/2021 21:56

Lab File ID: 7_97-029.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Lin1		0.0080		0.573	0.500	14.6	20.0
PCB-1221 Peak 2	Lin1		0.0125		0.529	0.500	5.8	20.0
PCB-1221 Peak 3	Lin1		0.0074		0.556	0.500	11.2	20.0
PCB-1221 Peak 4	Lin1		0.0289		0.529	0.500	5.8	20.0
PCB-1254 Peak 1	Lin2		0.0449		0.507	0.500	1.5	20.0
PCB-1254 Peak 2	Lin2		0.0658		0.518	0.500	3.6	20.0
PCB-1254 Peak 3	Lin2		0.0783		0.509	0.500	1.8	20.0
PCB-1254 Peak 4	Lin2		0.0771		0.521	0.500	4.1	20.0
PCB-1254 Peak 5	Lin2		0.0504		0.512	0.500	2.3	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: ICV 480-581108/17 Calibration Date: 05/14/2021 22:12

Instrument ID: HP6890-7 Calib Start Date: 05/14/2021 21:25

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/14/2021 21:56

Lab File ID: 7_97-029.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1221 Peak 1	2.32	2.29	2.35
PCB-1221 Peak 2	2.95	2.92	2.98
PCB-1221 Peak 3	3.03	3.00	3.06
PCB-1221 Peak 4	3.08	3.05	3.11
PCB-1254 Peak 1	4.61	4.58	4.64
PCB-1254 Peak 2	4.79	4.75	4.81
PCB-1254 Peak 3	5.10	5.07	5.13
PCB-1254 Peak 4	5.31	5.28	5.34
PCB-1254 Peak 5	5.54	5.51	5.57

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-029.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 14-May-2021 22:12:35 ALS Bottle#: 0 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2021 13:23:15 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1602

First Level Reviewer: schickr Date: 15-May-2021 13:09:38

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.825	1.825	0.000	11347696	0.5000	0.5000	
2	2.016	2.016	0.000	10882661	0.5000	0.5000	
						RPD = 0.00	
2 PCB-1221							
1	2.320	2.320	0.000	90378	0.5000	0.5728	
1	2.948	2.948	0.000	141721	0.5000	0.5292	
1	3.028	3.028	0.000	84341	0.5000	0.5561	
1	3.078	3.078	0.000	328320	0.5000	0.5291	
		Average of Peak Amounts =				0.5468	
2	2.429	2.428	0.001	89178	0.5000	0.5761	
2	3.051	3.050	0.001	136355	0.5000	0.5175	
2	3.169	3.169	0.000	83757	0.5000	0.5364	
2	3.228	3.227	0.001	266545	0.5000	0.5190	
		Average of Peak Amounts =				0.5372	
						RPD = 1.77	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
6 PCB-1254							
1	4.610	4.610	0.000	509210	0.5000	0.5073	
1	4.785	4.783	0.002	747126	0.5000	0.5179	
1	5.104	5.103	0.002	889000	0.5000	0.5090	
1	5.307	5.307	0.000	874817	0.5000	0.5206	
1	5.542	5.541	0.001	571880	0.5000	0.5116	
		Average of Peak Amounts =				0.5133	
2	4.886	4.885	0.001	603893	0.5000	0.5113	
2	5.218	5.217	0.001	408720	0.5000	0.5025	
2	5.309	5.309	0.000	843828	0.5000	0.5025	
2	5.439	5.439	0.000	580282	0.5000	0.4997	
2	5.947	5.946	0.001	628610	0.5000	0.5290	
		Average of Peak Amounts =				0.5090	
						RPD = 0.84	

QC Flag Legend

Processing Flags

Reagents:

1221-1254 ALT_00018 Amount Added: 1.00 Units: mL

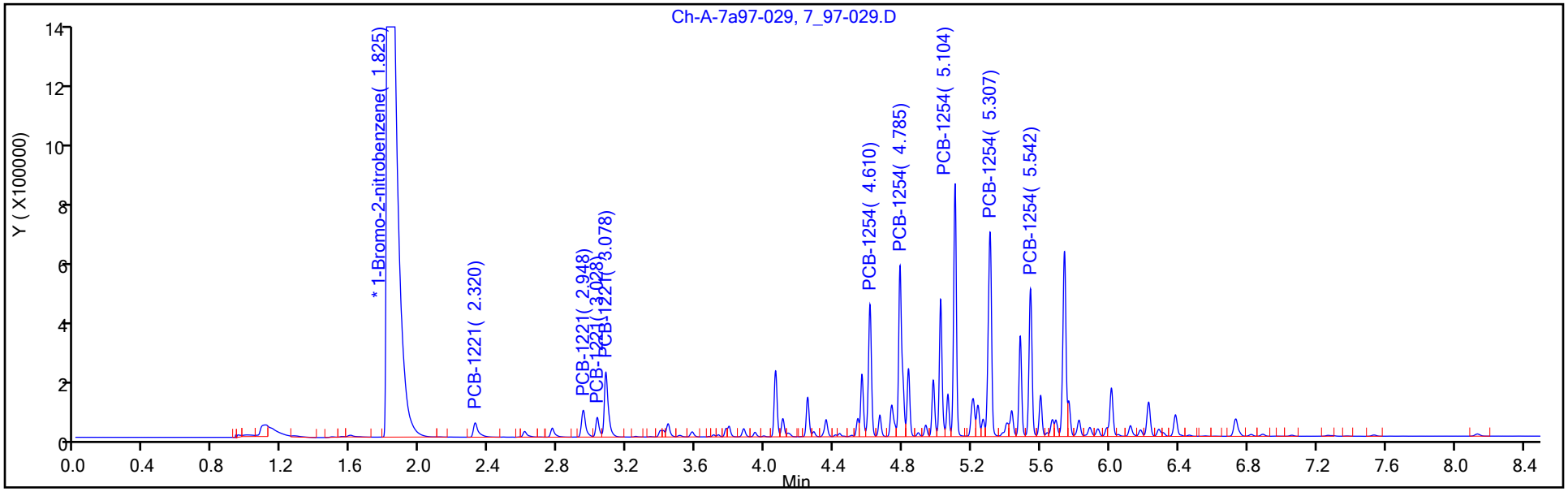
Report Date: 15-May-2021 13:23:18 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

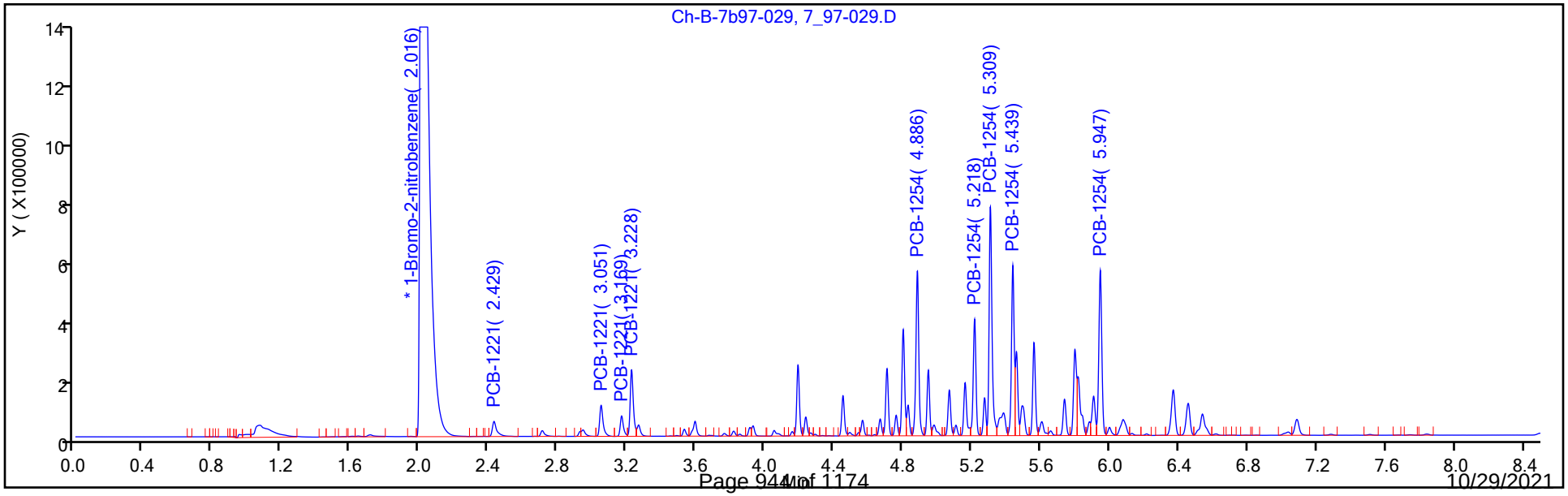
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-029.D

Injection Date:	14-May-2021 22:12:35	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	ICV			Worklist Smp#:	17
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: ICV 480-581108/17 Calibration Date: 05/14/2021 22:12

Instrument ID: HP6890-7 Calib Start Date: 05/14/2021 21:25

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/14/2021 21:56

Lab File ID: 7_97-029.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Lin1		0.0082		0.576	0.500	15.2	20.0
PCB-1221 Peak 2	Lin1		0.0125		0.517	0.500	3.5	20.0
PCB-1221 Peak 3	Lin1		0.0077		0.536	0.500	7.3	20.0
PCB-1221 Peak 4	Lin1		0.0245		0.519	0.500	3.8	20.0
PCB-1254 Peak 1	Lin2		0.0555		0.511	0.500	2.3	20.0
PCB-1254 Peak 2	Lin2		0.0376		0.502	0.500	0.5	20.0
PCB-1254 Peak 3	Lin2		0.0775		0.502	0.500	0.5	20.0
PCB-1254 Peak 4	Lin2		0.0533		0.500	0.500	-0.0	20.0
PCB-1254 Peak 5	Lin2		0.0578		0.529	0.500	5.8	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: ICV 480-581108/17 Calibration Date: 05/14/2021 22:12

Instrument ID: HP6890-7 Calib Start Date: 05/14/2021 21:25

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/14/2021 21:56

Lab File ID: 7_97-029.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1221 Peak 1	2.43	2.40	2.46
PCB-1221 Peak 2	3.05	3.02	3.08
PCB-1221 Peak 3	3.17	3.14	3.20
PCB-1221 Peak 4	3.23	3.20	3.26
PCB-1254 Peak 1	4.89	4.86	4.92
PCB-1254 Peak 2	5.22	5.19	5.25
PCB-1254 Peak 3	5.31	5.28	5.34
PCB-1254 Peak 4	5.44	5.41	5.47
PCB-1254 Peak 5	5.95	5.92	5.98

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-029.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 14-May-2021 22:12:35 ALS Bottle#: 0 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2021 13:23:15 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1602

First Level Reviewer: schickr Date: 15-May-2021 13:09:38

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.825	1.825	0.000	11347696	0.5000	0.5000	
2	2.016	2.016	0.000	10882661	0.5000	0.5000	
						RPD = 0.00	
2 PCB-1221							
1	2.320	2.320	0.000	90378	0.5000	0.5728	
1	2.948	2.948	0.000	141721	0.5000	0.5292	
1	3.028	3.028	0.000	84341	0.5000	0.5561	
1	3.078	3.078	0.000	328320	0.5000	0.5291	
		Average of Peak Amounts =				0.5468	
2	2.429	2.428	0.001	89178	0.5000	0.5761	
2	3.051	3.050	0.001	136355	0.5000	0.5175	
2	3.169	3.169	0.000	83757	0.5000	0.5364	
2	3.228	3.227	0.001	266545	0.5000	0.5190	
		Average of Peak Amounts =				0.5372	
						RPD = 1.77	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
6 PCB-1254							
1	4.610	4.610	0.000	509210	0.5000	0.5073	
1	4.785	4.783	0.002	747126	0.5000	0.5179	
1	5.104	5.103	0.002	889000	0.5000	0.5090	
1	5.307	5.307	0.000	874817	0.5000	0.5206	
1	5.542	5.541	0.001	571880	0.5000	0.5116	
		Average of Peak Amounts =				0.5133	
2	4.886	4.885	0.001	603893	0.5000	0.5113	
2	5.218	5.217	0.001	408720	0.5000	0.5025	
2	5.309	5.309	0.000	843828	0.5000	0.5025	
2	5.439	5.439	0.000	580282	0.5000	0.4997	
2	5.947	5.946	0.001	628610	0.5000	0.5290	
		Average of Peak Amounts =				0.5090	
						RPD = 0.84	

QC Flag Legend

Processing Flags

Reagents:

1221-1254 ALT_00018 Amount Added: 1.00 Units: mL

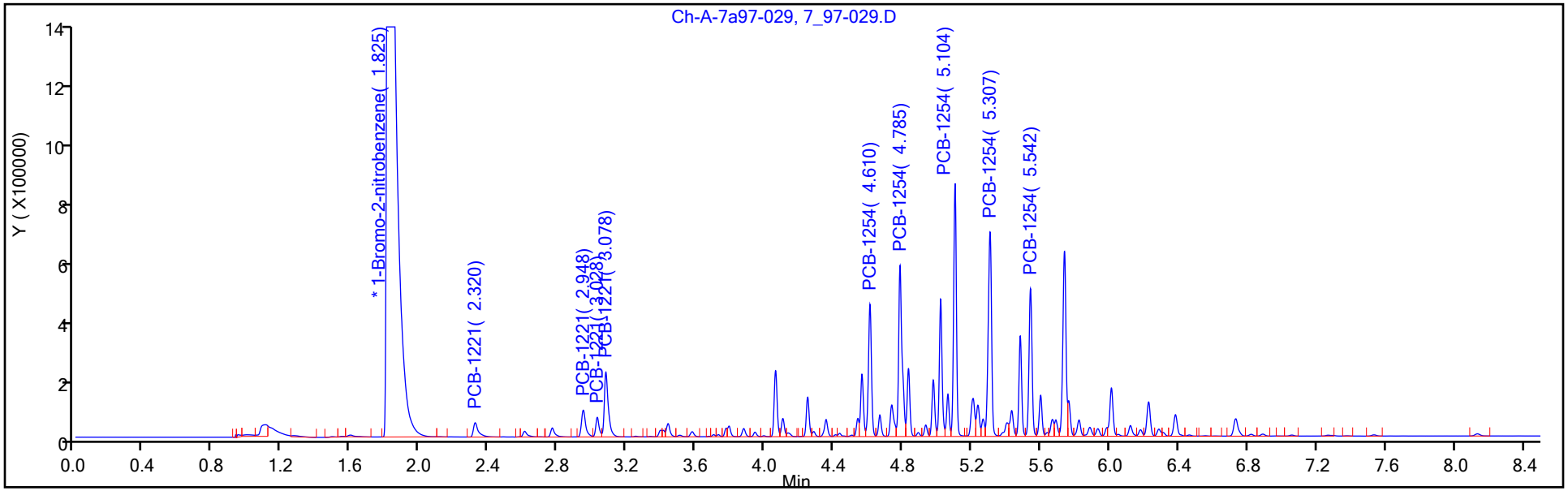
Report Date: 15-May-2021 13:23:18 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

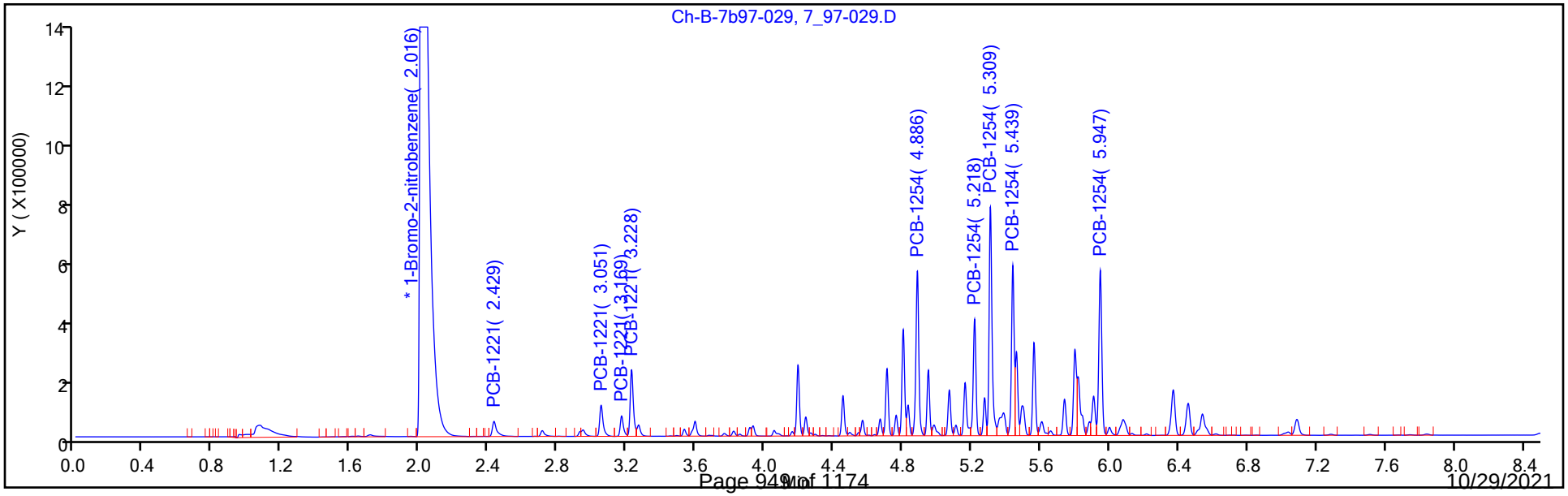
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-029.D

Injection Date:	14-May-2021 22:12:35	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	ICV			Worklist Smp#:	17
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: ICV 480-581108/21 Calibration Date: 05/14/2021 23:15

Instrument ID: HP6890-7 Calib Start Date: 05/14/2021 22:28

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/14/2021 23:00

Lab File ID: 7_97-033.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Lin1		0.0222		0.504	0.500	0.8	20.0
PCB-1232 Peak 2	Lin2		0.0124		0.528	0.500	5.6	20.0
PCB-1232 Peak 3	Lin2		0.0270		0.492	0.500	-1.6	20.0
PCB-1232 Peak 4	Lin1		0.0162		0.514	0.500	2.8	20.0
PCB-1232 Peak 5	Lin2		0.0112		0.511	0.500	2.2	20.0
PCB-1262 Peak 1	Lin2		0.0503		0.516	0.500	3.3	20.0
PCB-1262 Peak 2	Lin2		0.0614		0.449	0.500	-10.2	20.0
PCB-1262 Peak 3	Lin2		0.1292		0.501	0.500	0.3	20.0
PCB-1262 Peak 4	Lin2		0.0489		0.474	0.500	-5.3	20.0
PCB-1262 Peak 5	Lin2		0.0517		0.496	0.500	-0.8	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: ICV 480-581108/21 Calibration Date: 05/14/2021 23:15

Instrument ID: HP6890-7 Calib Start Date: 05/14/2021 22:28

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/14/2021 23:00

Lab File ID: 7_97-033.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1232 Peak 1	3.08	3.05	3.11
PCB-1232 Peak 2	3.41	3.38	3.44
PCB-1232 Peak 3	3.79	3.76	3.82
PCB-1232 Peak 4	3.88	3.85	3.91
PCB-1232 Peak 5	3.94	3.91	3.97
PCB-1262 Peak 1	5.48	5.45	5.51
PCB-1262 Peak 2	5.89	5.85	5.91
PCB-1262 Peak 3	6.38	6.35	6.41
PCB-1262 Peak 4	6.82	6.79	6.85
PCB-1262 Peak 5	6.89	6.86	6.92

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-033.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 14-May-2021 23:15:59 ALS Bottle#: 0 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2021 13:23:15 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1602

First Level Reviewer: schickr Date: 15-May-2021 13:14:34

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.827	1.825	0.002	11470274	0.5000	0.5000	
2	2.017	2.016	0.001	10998245	0.5000	0.5000	
						RPD = 0.00	
15 PCB-1232							
1	3.079	3.078	0.001	254974	0.5000	0.5040	
1	3.413	3.413	0.000	141720	0.5000	0.5280	
1	3.793	3.793	0.001	310214	0.5000	0.4922	
1	3.878	3.878	0.000	186208	0.5000	0.5141	
1	3.944	3.944	0.000	128105	0.5000	0.5110	
		Average of Peak Amounts =				0.5099	
2	3.228	3.228	0.000	211362	0.5000	0.4893	
2	3.590	3.589	0.001	219148	0.5000	0.5074	
2	3.932	3.932	0.000	284479	0.5000	0.5014	
2	4.055	4.055	0.000	178080	0.5000	0.5108	
2	4.454	4.453	0.001	167419	0.5000	0.5330	
		Average of Peak Amounts =				0.5084	
						RPD = 0.29	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
7 PCB-1262							
1	5.484	5.483	0.002	577293	0.5000	0.5163	
1	5.886	5.884	0.002	704511	0.5000	0.4491	
1	6.382	6.383	-0.001	1482463	0.5000	0.5014	
1	6.822	6.821	0.001	561307	0.5000	0.4735	
1	6.891	6.890	0.001	592985	0.5000	0.4961	
		Average of Peak Amounts =				0.4873	
2	5.563	5.562	0.000	525770	0.5000	0.5135	
2	6.002	5.999	0.003	689098	0.5000	0.4655	
2	6.357	6.355	0.002	650330	0.5000	0.4692	
2	6.539	6.538	0.001	1599802	0.5000	0.5127	
2	7.015	7.013	0.003	624836	0.5000	0.4708	
		Average of Peak Amounts =				0.4863	
						RPD = 0.20	

QC Flag Legend

Processing Flags

Reagents:

1232-1262 ALT_00016 Amount Added: 1.00 Units: mL

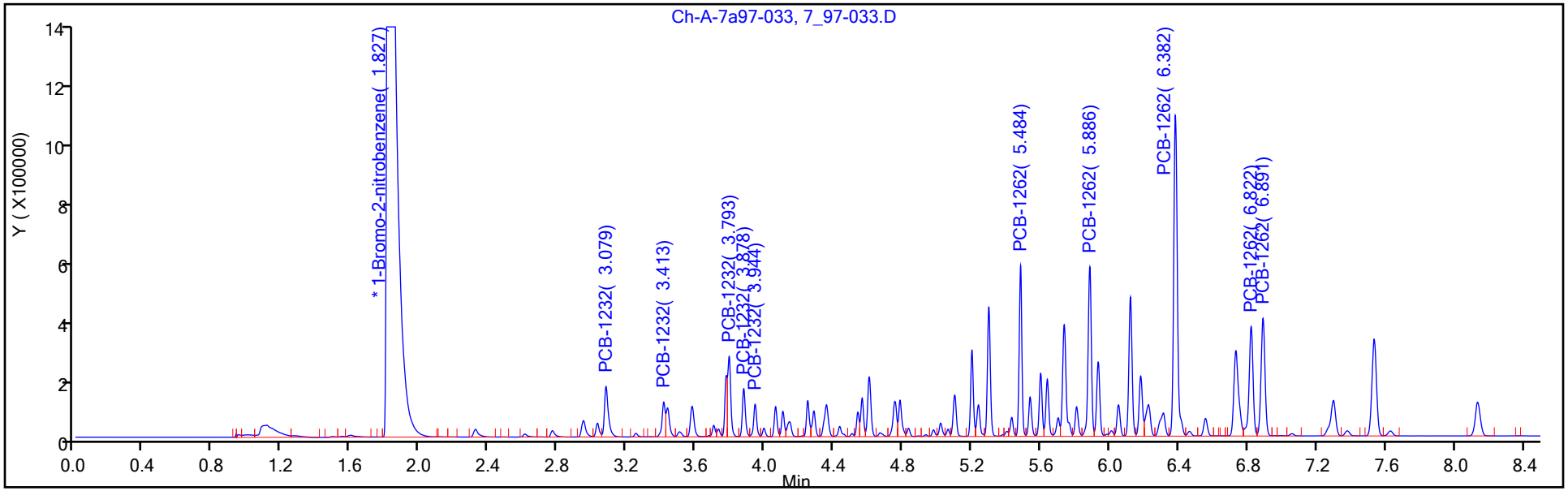
Report Date: 15-May-2021 13:23:20 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

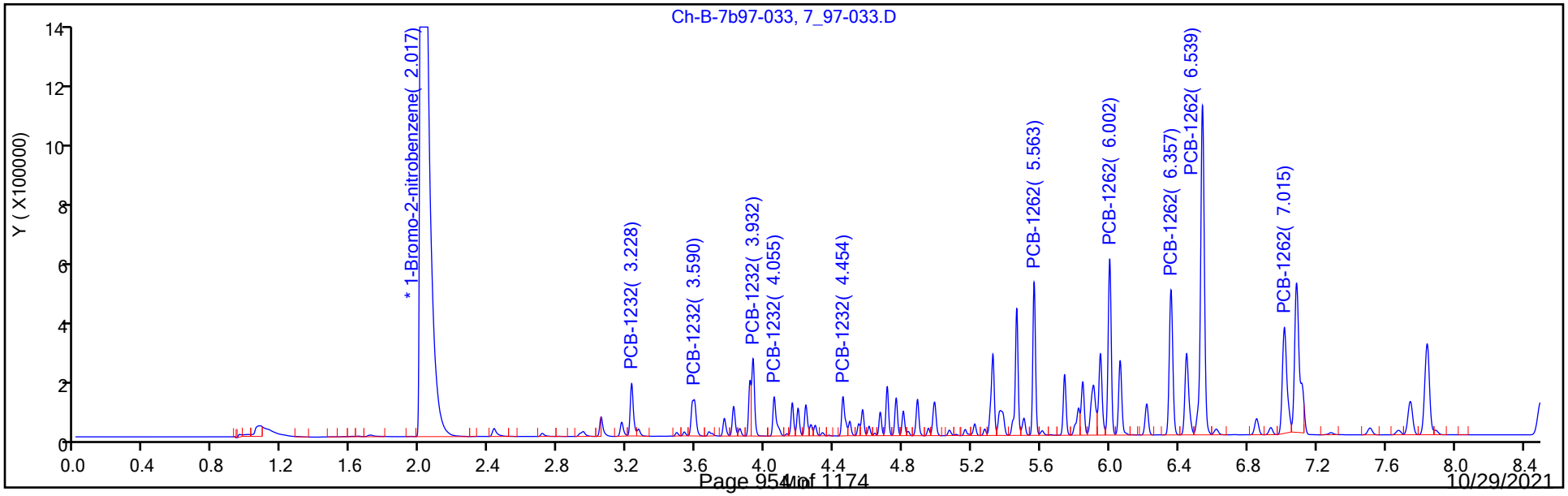
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-033.D

Injection Date:	14-May-2021 23:15:59	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	ICV			Worklist Smp#:	21
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: ICV 480-581108/21 Calibration Date: 05/14/2021 23:15

Instrument ID: HP6890-7 Calib Start Date: 05/14/2021 22:28

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/14/2021 23:00

Lab File ID: 7_97-033.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Lin2		0.0192		0.489	0.500	-2.1	20.0
PCB-1232 Peak 2	Lin2		0.0199		0.507	0.500	1.5	20.0
PCB-1232 Peak 3	Lin2		0.0259		0.501	0.500	0.3	20.0
PCB-1232 Peak 4	Lin2		0.0162		0.511	0.500	2.2	20.0
PCB-1232 Peak 5	Lin2		0.0152		0.533	0.500	6.6	20.0
PCB-1262 Peak 1	Lin2		0.0478		0.513	0.500	2.7	20.0
PCB-1262 Peak 2	Lin2		0.0627		0.466	0.500	-6.9	20.0
PCB-1262 Peak 3	Lin2		0.0591		0.469	0.500	-6.2	20.0
PCB-1262 Peak 4	Lin2		0.1455		0.513	0.500	2.5	20.0
PCB-1262 Peak 5	Lin2		0.0568		0.471	0.500	-5.8	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: ICV 480-581108/21 Calibration Date: 05/14/2021 23:15

Instrument ID: HP6890-7 Calib Start Date: 05/14/2021 22:28

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/14/2021 23:00

Lab File ID: 7_97-033.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1232 Peak 1	3.23	3.20	3.26
PCB-1232 Peak 2	3.59	3.56	3.62
PCB-1232 Peak 3	3.93	3.90	3.96
PCB-1232 Peak 4	4.06	4.03	4.09
PCB-1232 Peak 5	4.45	4.42	4.48
PCB-1262 Peak 1	5.56	5.53	5.59
PCB-1262 Peak 2	6.00	5.97	6.03
PCB-1262 Peak 3	6.36	6.33	6.39
PCB-1262 Peak 4	6.54	6.51	6.57
PCB-1262 Peak 5	7.02	6.98	7.04

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-033.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 14-May-2021 23:15:59 ALS Bottle#: 0 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2021 13:23:15 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1602

First Level Reviewer: schickr Date: 15-May-2021 13:14:34

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.827	1.825	0.002	11470274	0.5000	0.5000	
2	2.017	2.016	0.001	10998245	0.5000	0.5000	
						RPD = 0.00	
15 PCB-1232							
1	3.079	3.078	0.001	254974	0.5000	0.5040	
1	3.413	3.413	0.000	141720	0.5000	0.5280	
1	3.793	3.793	0.001	310214	0.5000	0.4922	
1	3.878	3.878	0.000	186208	0.5000	0.5141	
1	3.944	3.944	0.000	128105	0.5000	0.5110	
		Average of Peak Amounts =				0.5099	
2	3.228	3.228	0.000	211362	0.5000	0.4893	
2	3.590	3.589	0.001	219148	0.5000	0.5074	
2	3.932	3.932	0.000	284479	0.5000	0.5014	
2	4.055	4.055	0.000	178080	0.5000	0.5108	
2	4.454	4.453	0.001	167419	0.5000	0.5330	
		Average of Peak Amounts =				0.5084	
						RPD = 0.29	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
7 PCB-1262							
1	5.484	5.483	0.002	577293	0.5000	0.5163	
1	5.886	5.884	0.002	704511	0.5000	0.4491	
1	6.382	6.383	-0.001	1482463	0.5000	0.5014	
1	6.822	6.821	0.001	561307	0.5000	0.4735	
1	6.891	6.890	0.001	592985	0.5000	0.4961	
		Average of Peak Amounts =				0.4873	
2	5.563	5.562	0.000	525770	0.5000	0.5135	
2	6.002	5.999	0.003	689098	0.5000	0.4655	
2	6.357	6.355	0.002	650330	0.5000	0.4692	
2	6.539	6.538	0.001	1599802	0.5000	0.5127	
2	7.015	7.013	0.003	624836	0.5000	0.4708	
		Average of Peak Amounts =				0.4863	
						RPD = 0.20	

QC Flag Legend

Processing Flags

Reagents:

1232-1262 ALT_00016 Amount Added: 1.00 Units: mL

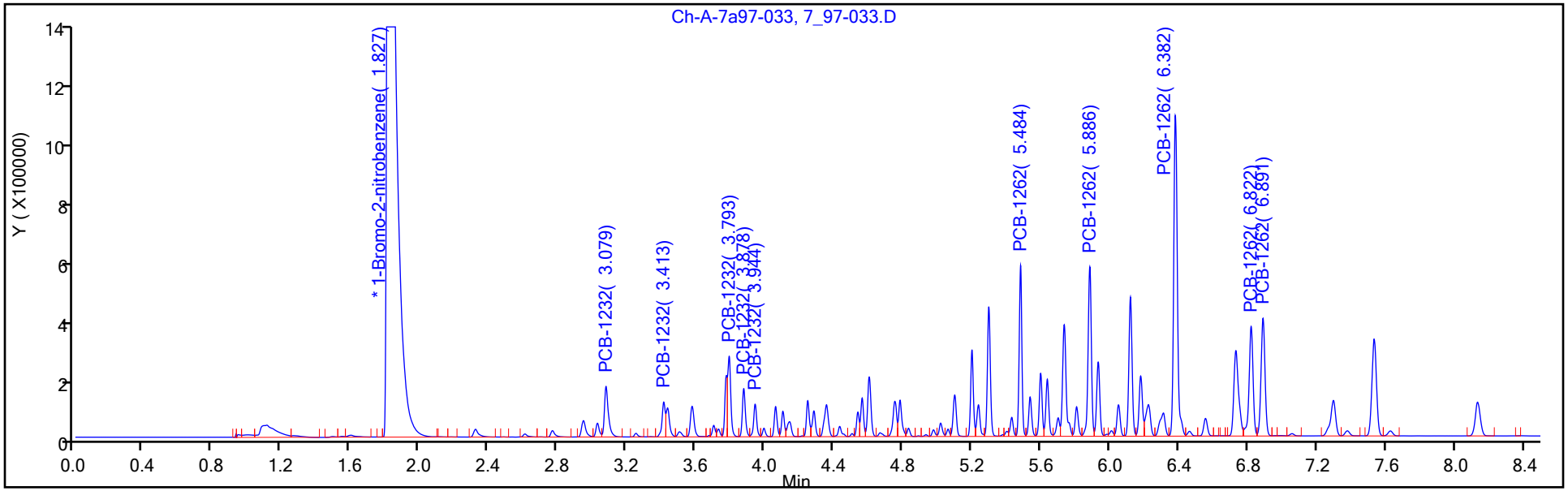
Report Date: 15-May-2021 13:23:21 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

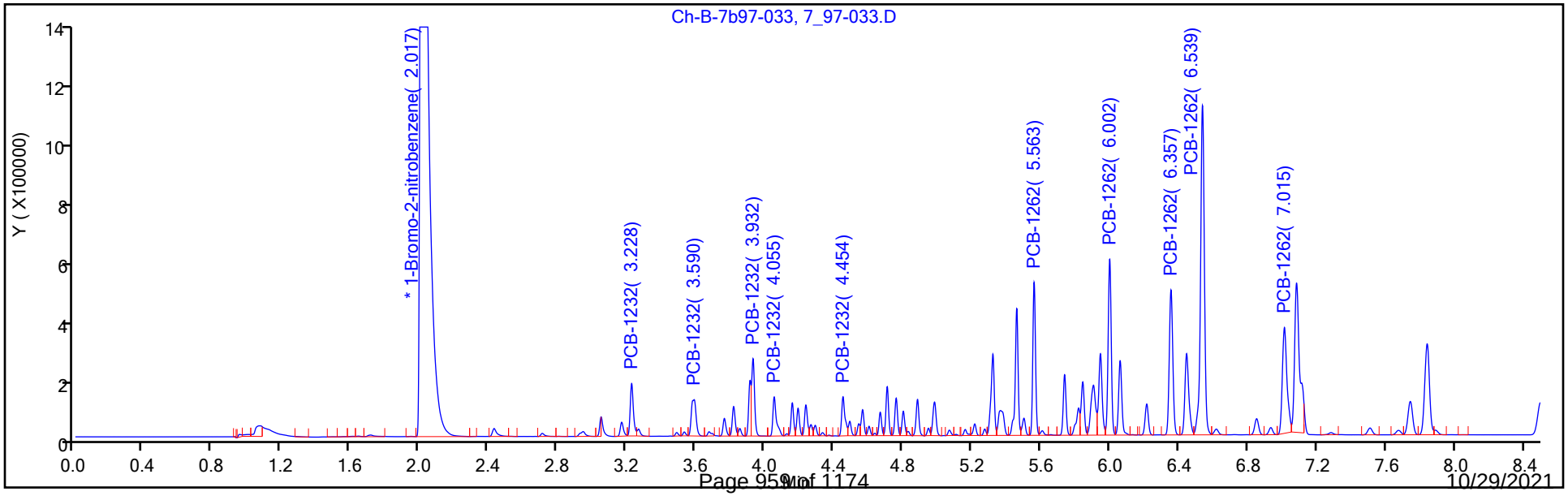
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-033.D

Injection Date:	14-May-2021 23:15:59	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	ICV			Worklist Smp#:	21
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: ICV 480-581108/25 Calibration Date: 05/15/2021 00:19

Instrument ID: HP6890-7 Calib Start Date: 05/14/2021 23:31

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/15/2021 00:03

Lab File ID: 7_97-037.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Lin1		0.0161		0.516	0.500	3.2	20.0
PCB-1242 Peak 2	Lin1		0.0194		0.495	0.500	-0.9	20.0
PCB-1242 Peak 3	Lin2		0.0504		0.511	0.500	2.2	20.0
PCB-1242 Peak 4	Lin1		0.0279		0.502	0.500	0.4	20.0
PCB-1242 Peak 5	Lin1		0.0214		0.510	0.500	2.1	20.0
PCB-1268 Peak 1	Lin2		0.1575		0.530	0.500	5.9	20.0
PCB-1268 Peak 2	Lin2		0.1399		0.516	0.500	3.1	20.0
PCB-1268 Peak 3	Lin2		0.1355		0.564	0.500	12.9	20.0
PCB-1268 Peak 4	Lin1		0.0373		0.354	0.500	-29.3*	20.0
PCB-1268 Peak 5	Ave	0.4023	0.3707		0.461	0.500	-7.8	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: ICV 480-581108/25 Calibration Date: 05/15/2021 00:19

Instrument ID: HP6890-7 Calib Start Date: 05/14/2021 23:31

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/15/2021 00:03

Lab File ID: 7_97-037.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1242 Peak 1	3.08	3.05	3.11
PCB-1242 Peak 2	3.41	3.38	3.44
PCB-1242 Peak 3	3.79	3.76	3.82
PCB-1242 Peak 4	3.88	3.85	3.91
PCB-1242 Peak 5	4.25	4.22	4.28
PCB-1268 Peak 1	6.82	6.79	6.85
PCB-1268 Peak 2	6.89	6.86	6.92
PCB-1268 Peak 3	7.27	7.24	7.30
PCB-1268 Peak 4	7.54	7.51	7.57
PCB-1268 Peak 5	8.14	8.11	8.17

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-037.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 15-May-2021 00:19:20 ALS Bottle#: 0 Worklist Smp#: 25
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2021 13:23:15 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1602

First Level Reviewer: schickr Date: 15-May-2021 13:19:07

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.828	1.825	0.003	11495257	0.5000	0.5000	
2	2.017	2.016	0.001	11070638	0.5000	0.5000	
						RPD = 0.00	
14 PCB-1242							
1	3.079	3.078	0.001	185302	0.5000	0.5160	
1	3.414	3.413	0.001	223153	0.5000	0.4954	
1	3.794	3.793	0.001	579648	0.5000	0.5111	
1	3.879	3.878	0.001	320791	0.5000	0.5019	
1	4.250	4.249	0.001	245527	0.5000	0.5105	
		Average of Peak Amounts =				0.5070	
2	3.228	3.228	0.000	171748	0.5000	0.5317	
2	3.583	3.582	0.000	358806	0.5000	0.5013	
2	3.933	3.932	0.001	505831	0.5000	0.5005	
2	4.055	4.054	0.001	309225	0.5000	0.4903	
2	4.454	4.454	0.000	304445	0.5000	0.4915	
		Average of Peak Amounts =				0.5031	
						RPD = 0.78	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
9 PCB-1268							
1	6.823	6.823	0.000	1810759	0.5000	0.5295	
1	6.890	6.888	0.002	1608628	0.5000	0.5157	
1	7.269	7.270	-0.001	1557094	0.5000	0.5643	
1	7.538	7.537	0.001	428396	0.5000	0.3537	
1	8.138	8.138	0.001	4261002	0.5000	0.4608	
		Average of Peak Amounts =				0.4848	
2	7.013	7.014	-0.001	1809932	0.5000	0.5255	
2	7.084	7.084	0.000	1670637	0.5000	0.5135	
2	7.512	7.511	0.001	1601571	0.5000	0.5684	
2	7.843	7.842	0.000	418609	0.5000	0.3535	
2	8.500	8.498	0.002	4362877	0.5000	0.4736	
		Average of Peak Amounts =				0.4869	
						RPD = 0.43	

QC Flag Legend

Processing Flags

Reagents:

1242-1268 ALT_00017 Amount Added: 1.00 Units: mL

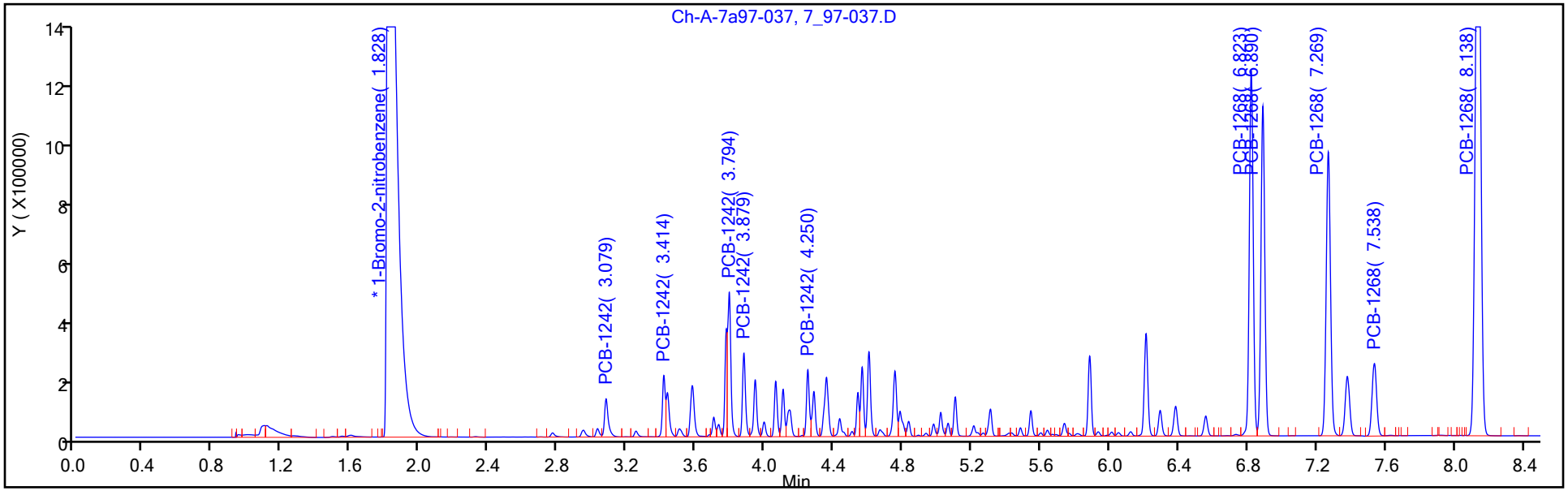
Report Date: 15-May-2021 13:23:22 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

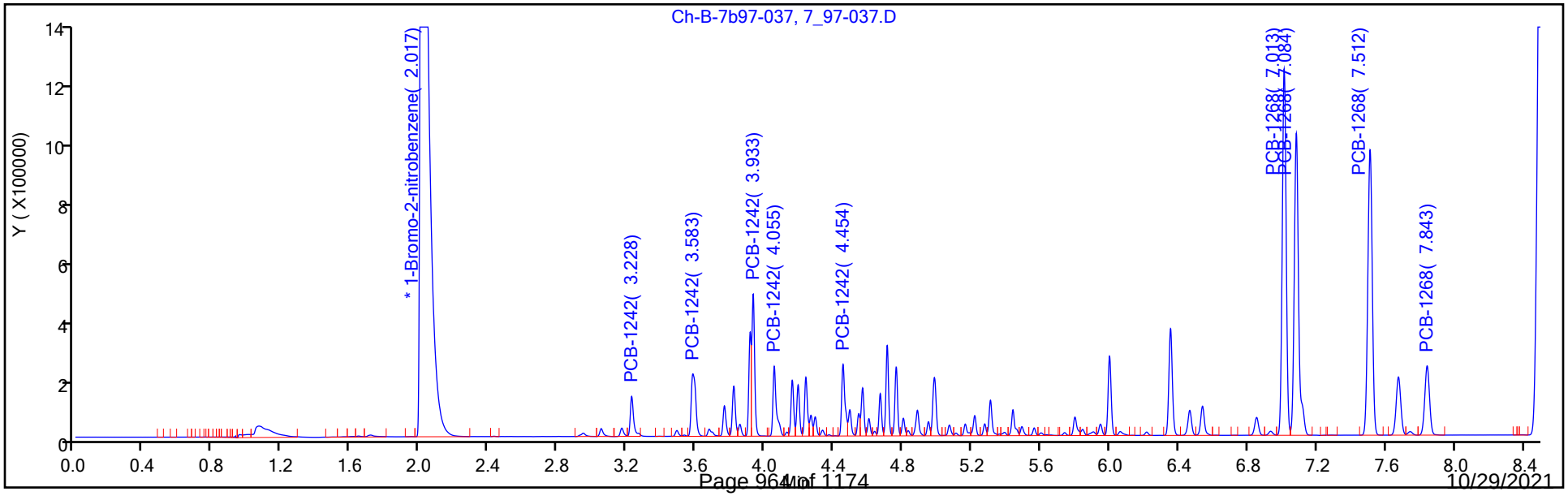
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-037.D

Injection Date:	15-May-2021 00:19:20	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	ICV			Worklist Smp#:	25
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: ICV 480-581108/25 Calibration Date: 05/15/2021 00:19

Instrument ID: HP6890-7 Calib Start Date: 05/14/2021 23:31

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/15/2021 00:03

Lab File ID: 7_97-037.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Lin1		0.0155		0.532	0.500	6.3	20.0
PCB-1242 Peak 2	Lin1		0.0324		0.501	0.500	0.3	20.0
PCB-1242 Peak 3	Lin2		0.0457		0.501	0.500	0.1	20.0
PCB-1242 Peak 4	Lin2		0.0279		0.490	0.500	-1.9	20.0
PCB-1242 Peak 5	Lin2		0.0275		0.492	0.500	-1.7	20.0
PCB-1268 Peak 1	Lin2		0.1635		0.525	0.500	5.1	20.0
PCB-1268 Peak 2	Lin2		0.1509		0.514	0.500	2.7	20.0
PCB-1268 Peak 3	Lin2		0.1447		0.568	0.500	13.7	20.0
PCB-1268 Peak 4	Lin2		0.0378		0.353	0.500	-29.3*	20.0
PCB-1268 Peak 5	Lin2		0.3941		0.474	0.500	-5.3	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: ICV 480-581108/25 Calibration Date: 05/15/2021 00:19

Instrument ID: HP6890-7 Calib Start Date: 05/14/2021 23:31

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/15/2021 00:03

Lab File ID: 7_97-037.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1242 Peak 1	3.23	3.20	3.26
PCB-1242 Peak 2	3.58	3.55	3.61
PCB-1242 Peak 3	3.93	3.90	3.96
PCB-1242 Peak 4	4.06	4.02	4.08
PCB-1242 Peak 5	4.45	4.42	4.48
PCB-1268 Peak 1	7.01	6.98	7.04
PCB-1268 Peak 2	7.08	7.05	7.11
PCB-1268 Peak 3	7.51	7.48	7.54
PCB-1268 Peak 4	7.84	7.81	7.87
PCB-1268 Peak 5	8.50	8.47	8.53

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-037.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 15-May-2021 00:19:20 ALS Bottle#: 0 Worklist Smp#: 25
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2021 13:23:15 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1602

First Level Reviewer: schickr Date: 15-May-2021 13:19:07

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.828	1.825	0.003	11495257	0.5000	0.5000	
2	2.017	2.016	0.001	11070638	0.5000	0.5000	
						RPD = 0.00	
14 PCB-1242							
1	3.079	3.078	0.001	185302	0.5000	0.5160	
1	3.414	3.413	0.001	223153	0.5000	0.4954	
1	3.794	3.793	0.001	579648	0.5000	0.5111	
1	3.879	3.878	0.001	320791	0.5000	0.5019	
1	4.250	4.249	0.001	245527	0.5000	0.5105	
		Average of Peak Amounts =				0.5070	
2	3.228	3.228	0.000	171748	0.5000	0.5317	
2	3.583	3.582	0.000	358806	0.5000	0.5013	
2	3.933	3.932	0.001	505831	0.5000	0.5005	
2	4.055	4.054	0.001	309225	0.5000	0.4903	
2	4.454	4.454	0.000	304445	0.5000	0.4915	
		Average of Peak Amounts =				0.5031	
						RPD = 0.78	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
9 PCB-1268							
1	6.823	6.823	0.000	1810759	0.5000	0.5295	
1	6.890	6.888	0.002	1608628	0.5000	0.5157	
1	7.269	7.270	-0.001	1557094	0.5000	0.5643	
1	7.538	7.537	0.001	428396	0.5000	0.3537	
1	8.138	8.138	0.001	4261002	0.5000	0.4608	
		Average of Peak Amounts =				0.4848	
2	7.013	7.014	-0.001	1809932	0.5000	0.5255	
2	7.084	7.084	0.000	1670637	0.5000	0.5135	
2	7.512	7.511	0.001	1601571	0.5000	0.5684	
2	7.843	7.842	0.000	418609	0.5000	0.3535	
2	8.500	8.498	0.002	4362877	0.5000	0.4736	
		Average of Peak Amounts =				0.4869	
						RPD = 0.43	

QC Flag Legend

Processing Flags

Reagents:

1242-1268 ALT_00017 Amount Added: 1.00 Units: mL

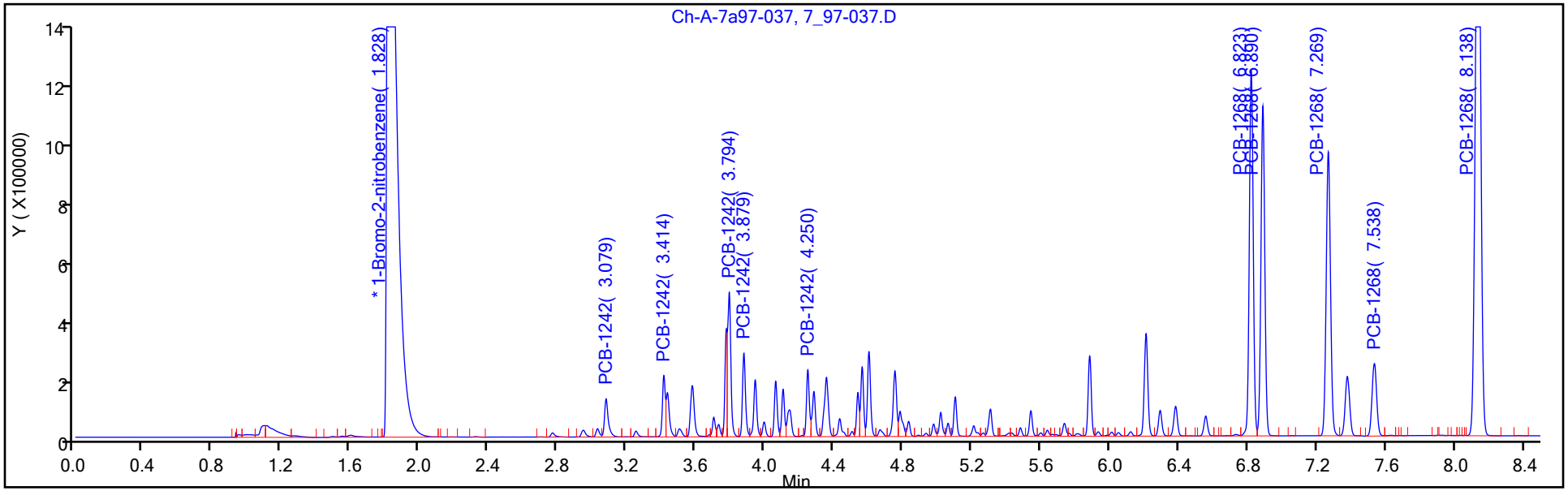
Report Date: 15-May-2021 13:23:23 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

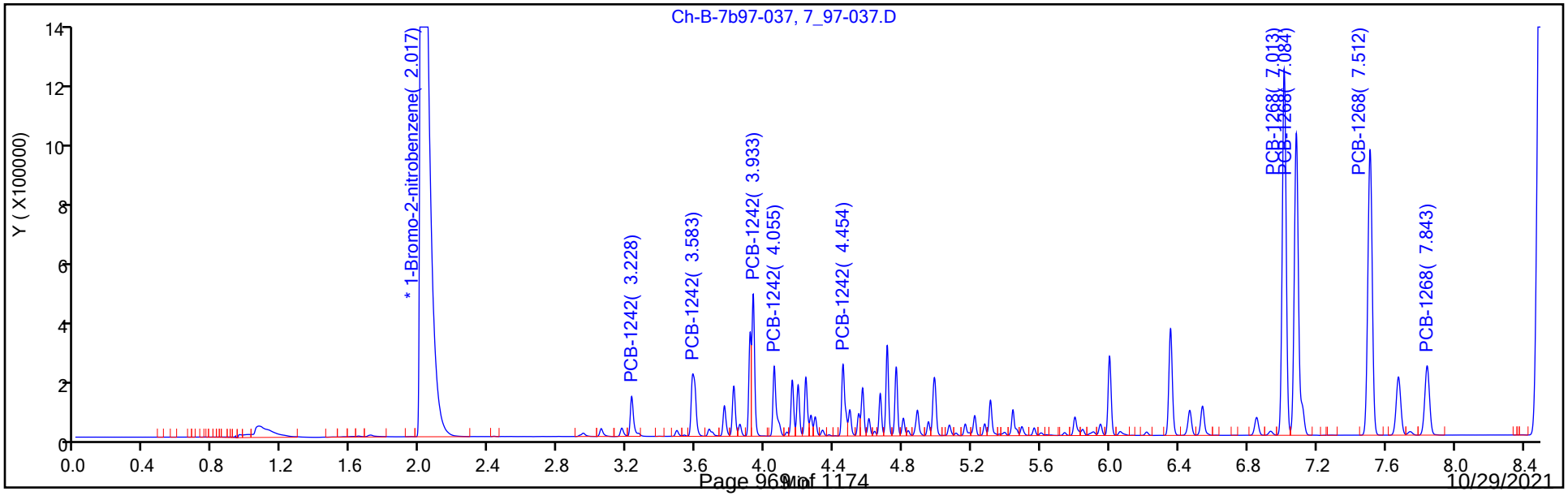
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-037.D

Injection Date:	15-May-2021 00:19:20	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	ICV			Worklist Smp#:	25
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: ICV 480-581108/29 Calibration Date: 05/15/2021 01:22

Instrument ID: HP6890-7 Calib Start Date: 05/15/2021 00:35

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/15/2021 01:06

Lab File ID: 7_97-041.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Lin2		0.0293		0.479	0.500	-4.3	20.0
PCB-1248 Peak 2	Lin2		0.0348		0.485	0.500	-2.9	20.0
PCB-1248 Peak 3	Lin2		0.0553		0.518	0.500	3.5	20.0
PCB-1248 Peak 4	Lin1		0.0456		0.520	0.500	4.1	20.0
PCB-1248 Peak 5	Lin1		0.0243		0.463	0.500	-7.4	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: ICV 480-581108/29 Calibration Date: 05/15/2021 01:22

Instrument ID: HP6890-7 Calib Start Date: 05/15/2021 00:35

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/15/2021 01:06

Lab File ID: 7_97-041.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	4.06	4.03	4.09
PCB-1248 Peak 2	4.25	4.22	4.28
PCB-1248 Peak 3	4.61	4.57	4.63
PCB-1248 Peak 4	4.76	4.73	4.79
PCB-1248 Peak 5	5.11	5.08	5.14

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-041.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 15-May-2021 01:22:45 ALS Bottle#: 0 Worklist Smp#: 29
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 16-May-2021 10:58:17 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1631

First Level Reviewer: schickr Date: 15-May-2021 13:21:01

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.826	1.825	0.001	11446175	0.5000	0.5000	
2	2.016	2.016	0.000	11039304	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1248							
1	4.064	4.063	0.002	335338	0.5000	0.4786	
1	4.251	4.250	0.001	398854	0.5000	0.4853	
1	4.605	4.603	0.002	632953	0.5000	0.5177	
1	4.755	4.755	0.000	521802	0.5000	0.5203	
1	5.105	5.105	0.000	278596	0.5000	0.4631	
		Average of Peak Amounts =				0.4930	
2	4.194	4.193	0.001	307963	0.5000	0.4744	
2	4.454	4.454	0.000	425986	0.5000	0.4872	
2	4.711	4.710	0.001	561696	0.5000	0.4917	
2	4.984	4.983	0.001	455082	0.5000	0.5206	
2	5.311	5.309	0.002	255948	0.5000	0.4556	
		Average of Peak Amounts =				0.4859	
						RPD = 1.45	

QC Flag Legend
Processing Flags

Reagents:
1248 ALT_00017 Amount Added: 1.00 Units: mL

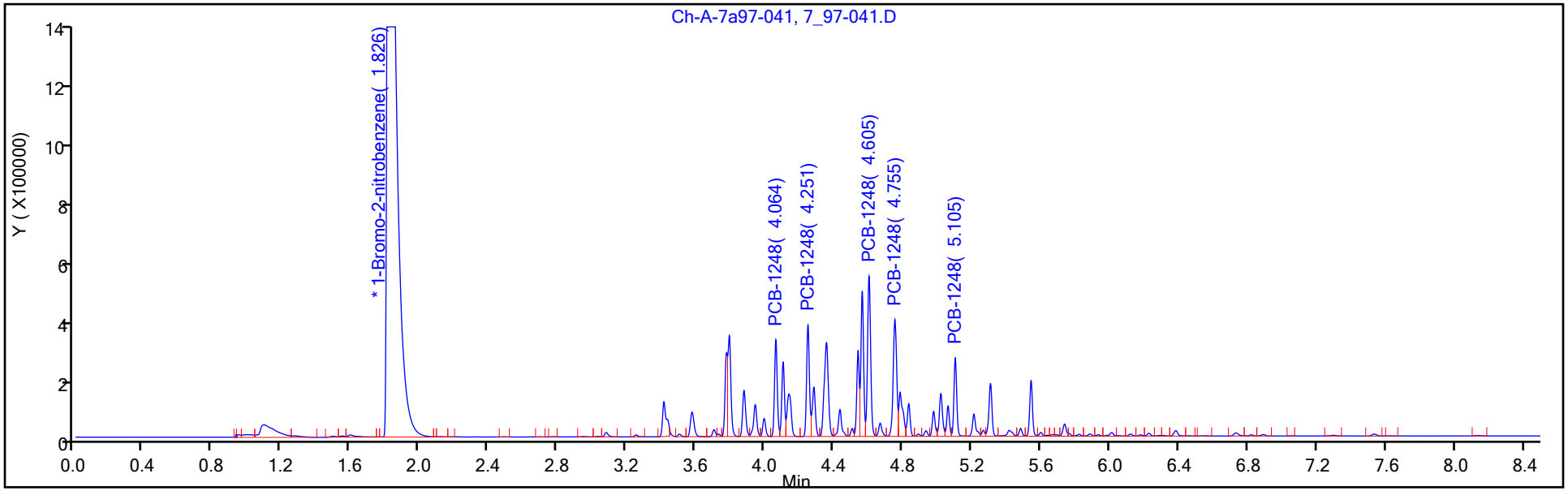
Report Date: 16-May-2021 10:59:24 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

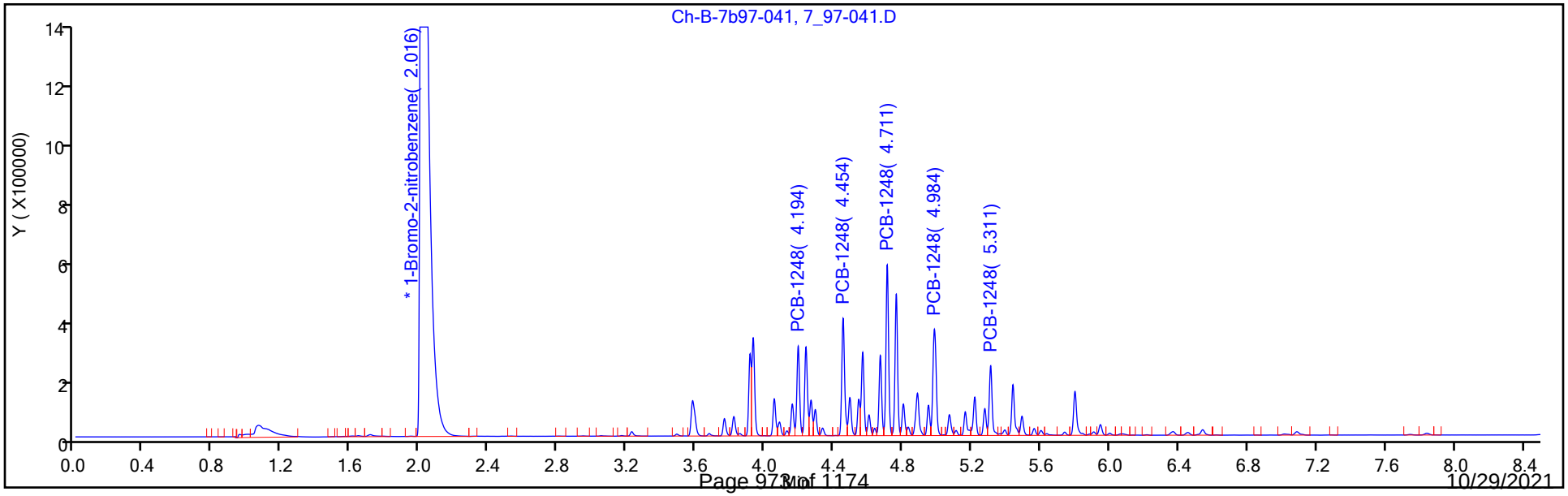
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-041.D

Injection Date:	15-May-2021 01:22:45	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	ICV			Worklist Smp#:	29
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: ICV 480-581108/29 Calibration Date: 05/15/2021 01:22

Instrument ID: HP6890-7 Calib Start Date: 05/15/2021 00:35

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/15/2021 01:06

Lab File ID: 7_97-041.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Lin2		0.0279		0.474	0.500	-5.1	20.0
PCB-1248 Peak 2	Lin2		0.0386		0.487	0.500	-2.6	20.0
PCB-1248 Peak 3	Lin2		0.0509		0.492	0.500	-1.7	20.0
PCB-1248 Peak 4	Lin2		0.0412		0.521	0.500	4.1	20.0
PCB-1248 Peak 5	Lin2		0.0232		0.456	0.500	-8.9	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: ICV 480-581108/29 Calibration Date: 05/15/2021 01:22

Instrument ID: HP6890-7 Calib Start Date: 05/15/2021 00:35

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/15/2021 01:06

Lab File ID: 7_97-041.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	4.19	4.16	4.22
PCB-1248 Peak 2	4.45	4.42	4.48
PCB-1248 Peak 3	4.71	4.68	4.74
PCB-1248 Peak 4	4.98	4.95	5.01
PCB-1248 Peak 5	5.31	5.28	5.34

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-041.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 15-May-2021 01:22:45 ALS Bottle#: 0 Worklist Smp#: 29
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 16-May-2021 10:58:17 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1631

First Level Reviewer: schickr Date: 15-May-2021 13:21:01

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.826	1.825	0.001	11446175	0.5000	0.5000	
2	2.016	2.016	0.000	11039304	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1248							
1	4.064	4.063	0.002	335338	0.5000	0.4786	
1	4.251	4.250	0.001	398854	0.5000	0.4853	
1	4.605	4.603	0.002	632953	0.5000	0.5177	
1	4.755	4.755	0.000	521802	0.5000	0.5203	
1	5.105	5.105	0.000	278596	0.5000	0.4631	
		Average of Peak Amounts =				0.4930	
2	4.194	4.193	0.001	307963	0.5000	0.4744	
2	4.454	4.454	0.000	425986	0.5000	0.4872	
2	4.711	4.710	0.001	561696	0.5000	0.4917	
2	4.984	4.983	0.001	455082	0.5000	0.5206	
2	5.311	5.309	0.002	255948	0.5000	0.4556	
		Average of Peak Amounts =				0.4859	
						RPD = 1.45	

QC Flag Legend
Processing Flags

Reagents:
1248 ALT_00017 Amount Added: 1.00 Units: mL

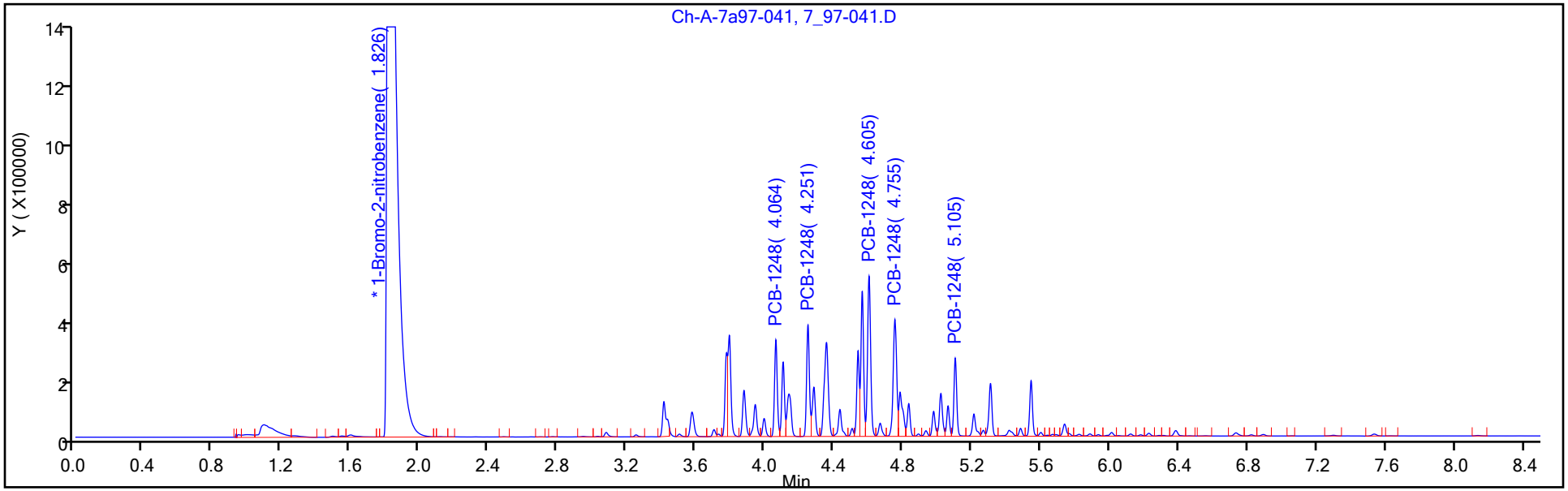
Report Date: 16-May-2021 10:59:24 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Buffalo

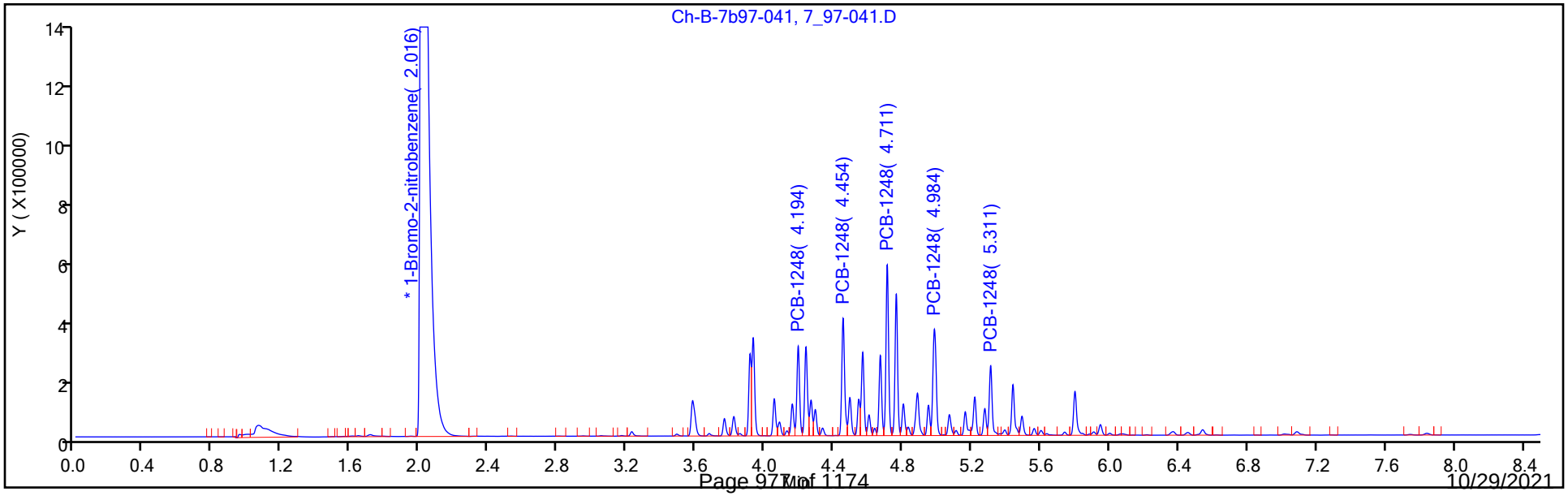
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-041.D

Injection Date:	15-May-2021 01:22:45	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	ICV			Worklist Smp#:	29
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: CCVIS 480-601894/6 Calibration Date: 10/25/2021 13:46

Instrument ID: HP6890-7 Calib Start Date: 05/14/2021 18:14

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/14/2021 19:50

Lab File ID: 7_111-145.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin2		0.0171		0.413	0.504	-17.9	20.0
PCB-1016 Peak 2	Lin2		0.0200		0.369	0.504	-26.7*	20.0
PCB-1016 Peak 3	Lin2		0.0552		0.414	0.504	-17.8	20.0
PCB-1016 Peak 4	Lin1		0.0295		0.405	0.504	-19.6	20.0
PCB-1016 Peak 5	Lin2		0.0208		0.372	0.504	-26.1*	20.0
PCB-1260 Peak 1	Lin2		0.0435		0.407	0.504	-19.3	20.0
PCB-1260 Peak 2	Lin1		0.0480		0.401	0.504	-20.5*	20.0
PCB-1260 Peak 3	Lin2		0.0603		0.399	0.504	-20.8*	20.0
PCB-1260 Peak 4	Lin2		0.0380		0.399	0.504	-20.8*	20.0
PCB-1260 Peak 5	Lin1		0.0906		0.393	0.504	-22.1*	20.0
Tetrachloro-m-xylene	Lin1		1.039		0.0101	0.0125	-19.3	20.0
DCB Decachlorobiphenyl	Lin2		0.8909		0.0110	0.0125	-12.2	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: CCVIS 480-601894/6 Calibration Date: 10/25/2021 13:46

Instrument ID: HP6890-7 Calib Start Date: 05/14/2021 18:14

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/14/2021 19:50

Lab File ID: 7_111-145.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.97	2.94	3.00
PCB-1016 Peak 2	3.31	3.28	3.34
PCB-1016 Peak 3	3.68	3.65	3.71
PCB-1016 Peak 4	3.77	3.74	3.80
PCB-1016 Peak 5	4.14	4.11	4.17
PCB-1260 Peak 1	5.19	5.16	5.22
PCB-1260 Peak 2	5.37	5.34	5.40
PCB-1260 Peak 3	5.61	5.58	5.64
PCB-1260 Peak 4	5.76	5.73	5.79
PCB-1260 Peak 5	6.23	6.20	6.26
Tetrachloro-m-xylene	2.70	2.67	2.73
DCB Decachlorobiphenyl	8.44	8.41	8.47

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-145.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 25-Oct-2021 13:46:27 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 26-Oct-2021 12:44:42 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1634

First Level Reviewer: chumongkolratn Date: 26-Oct-2021 12:44:42

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.738	1.738	0.000	11603947	0.5000	0.5000	
2	1.930	1.930	0.000	11877889	0.5000	0.5000	
						RPD = 0.00	
$ 3 Tetrachloro-m-xylene							M
1	2.704	2.704	0.000	301453	0.0125	0.0101	M
2	2.683	2.683	0.000	351189	0.0125	0.0113	M
						RPD = 11.01	
4 PCB-1016							M
1	2.973	2.973	0.000	199371	0.5035	0.4133	M
1	3.305	3.305	0.000	233204	0.5035	0.3691	M
1	3.683	3.683	0.000	644943	0.5035	0.4140	M
1	3.768	3.768	0.000	344324	0.5035	0.4046	M
1	4.138	4.138	0.000	242714	0.5035	0.3723	M
		Average of Peak Amounts =				0.3947	
2	3.129	3.129	0.000	216387	0.5035	0.4740	M
2	3.481	3.481	0.000	439599	0.5035	0.4281	M
2	3.830	3.830	0.000	585966	0.5035	0.3961	M
2	3.952	3.952	0.000	368434	0.5035	0.3894	M
2	4.349	4.349	0.000	304533	0.5035	0.3964	M
		Average of Peak Amounts =				0.4168	
						RPD = 5.46	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
8 PCB-1260							M
1	5.185	5.185	0.000	509289	0.5040	0.4065	M
1	5.368	5.368	0.000	561983	0.5040	0.4007	M
1	5.613	5.613	0.000	705574	0.5040	0.3992	M
1	5.755	5.755	0.000	444694	0.5040	0.3990	M
1	6.234	6.234	0.000	1060206	0.5040	0.3928	M
		Average of Peak Amounts =				0.3996	
2	5.354	5.354	0.000	497160	0.5040	0.3813	M
2	5.456	5.456	0.000	590643	0.5040	0.4036	M
2	5.823	5.823	0.000	557898	0.5040	0.4098	M
2	6.218	6.218	0.000	523348	0.5040	0.4051	M
2	6.394	6.394	0.000	1323168	0.5040	0.4177	M
		Average of Peak Amounts =				0.4035	
						RPD = 0.96	
10 1260 Res 1							M
1	6.570	6.570	0.000	527853	NC	NC	M
2	6.218	6.218	0.000	523348	NC	NC	M
11 1260 Res 2							M
1	6.656	6.656	0.000	245844	NC	NC	M
2	6.304	6.304	0.000	382860	NC	NC	M
12 1260 Res 3							M
1	6.723	6.723	0.000	300232	NC	NC	M
2	6.394	6.394	0.000	1323168	NC	NC	M
$ 13 DCB Decachlorobiphenyl							M
1	8.443	8.443	0.000	258437	0.0125	0.0110	M
2	8.881	8.881	0.000	279270	0.0125	0.0108	
						RPD = 1.71	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

1660sur/is0.5_00158 Amount Added: 1.00 Units: mL

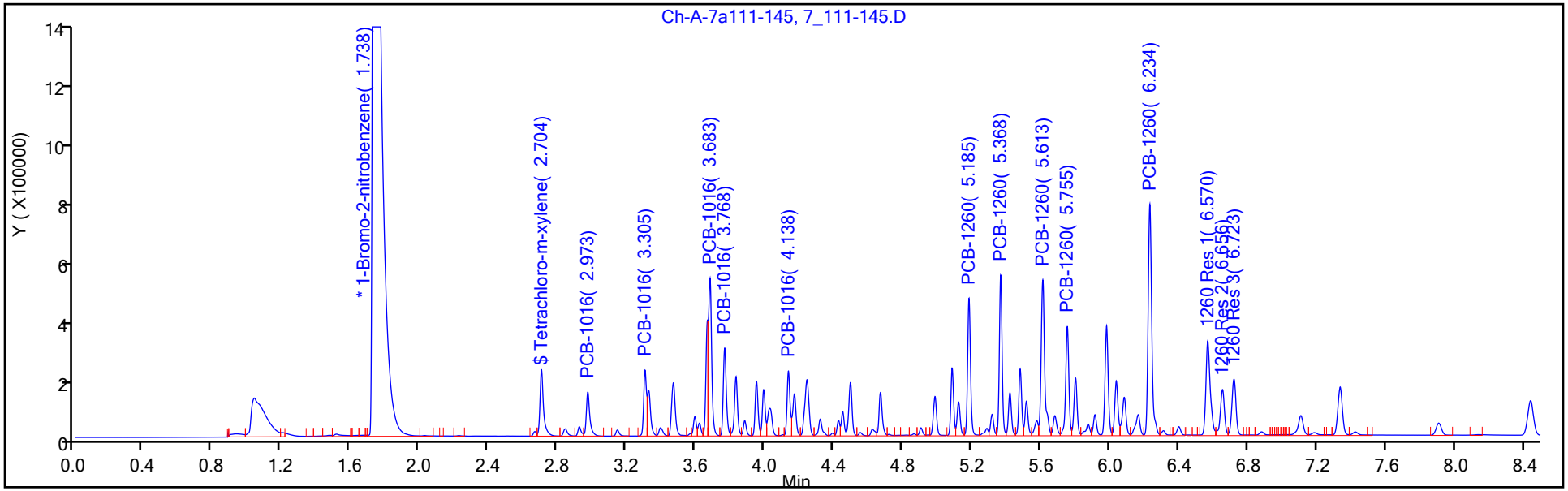
Report Date: 26-Oct-2021 12:44:42 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

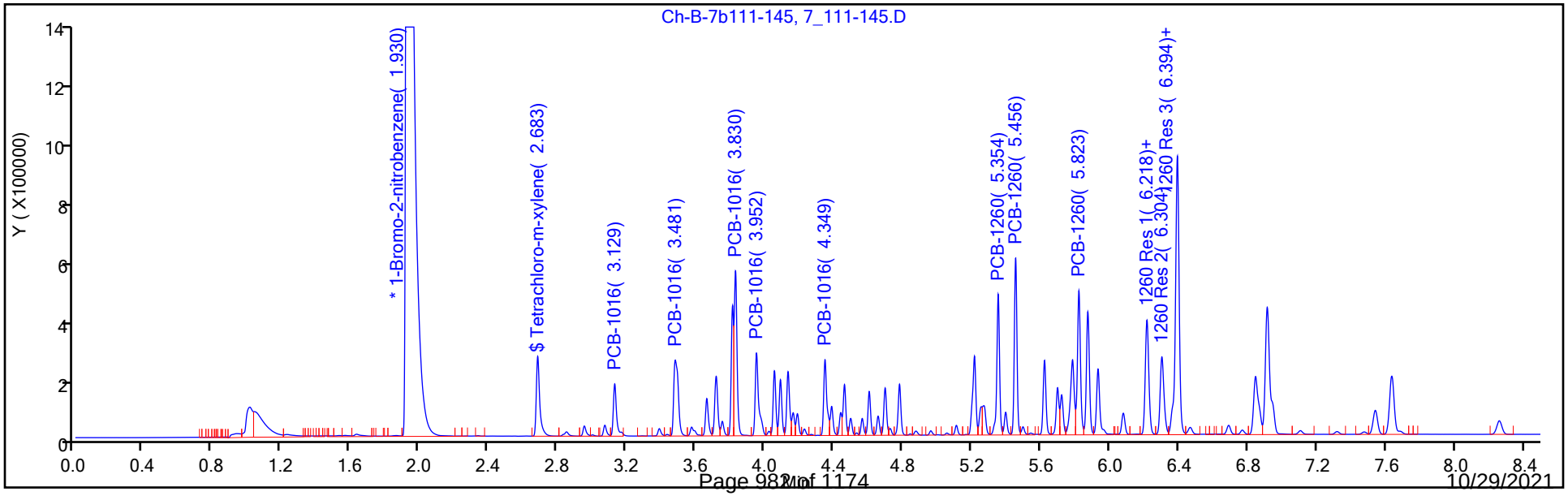
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-145.D

Injection Date:	25-Oct-2021 13:46:27	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	CCVIS			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

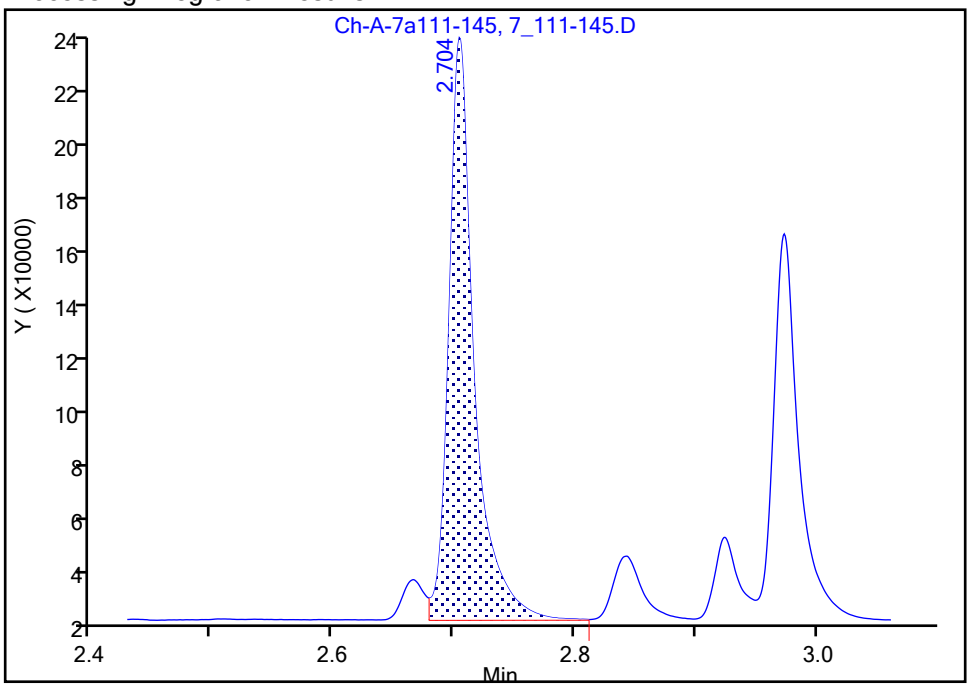
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-145.D
Injection Date: 25-Oct-2021 13:46:27 Instrument ID: HP6890-7
Lims ID: CCVIS
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL
Column: ZB-5 (0.53 mm) Detector Ch-A-7A136

$ 3 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 1

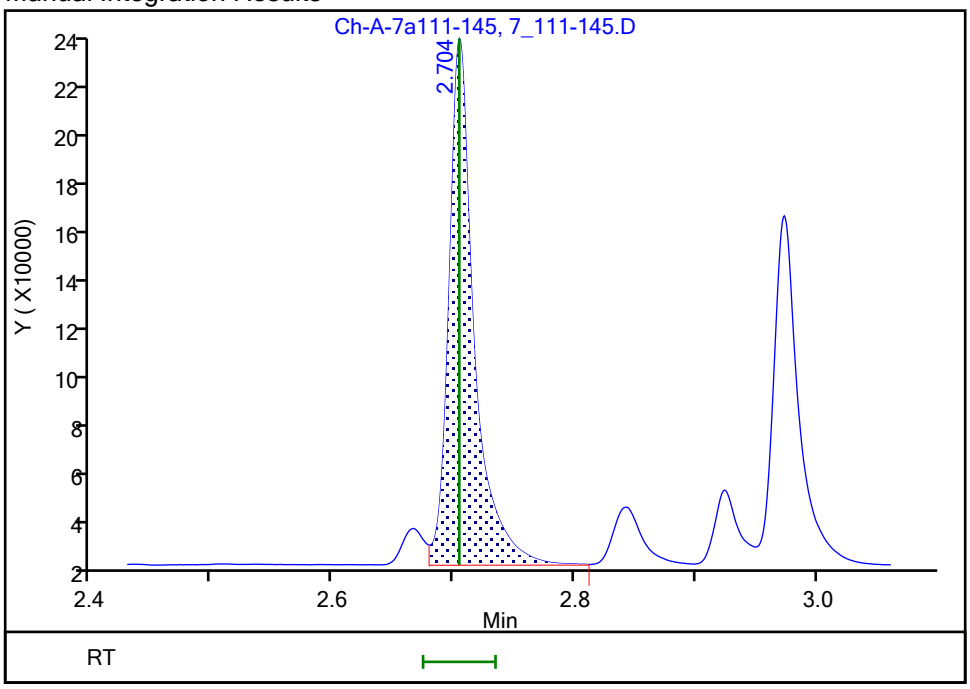
Processing Integration Results

RT: 2.70
Area: 299697
Amount: 0.010025
Amount Units: ng/uL



Manual Integration Results

RT: 2.70
Area: 301453
Amount: 0.010084
Amount Units: ng/uL



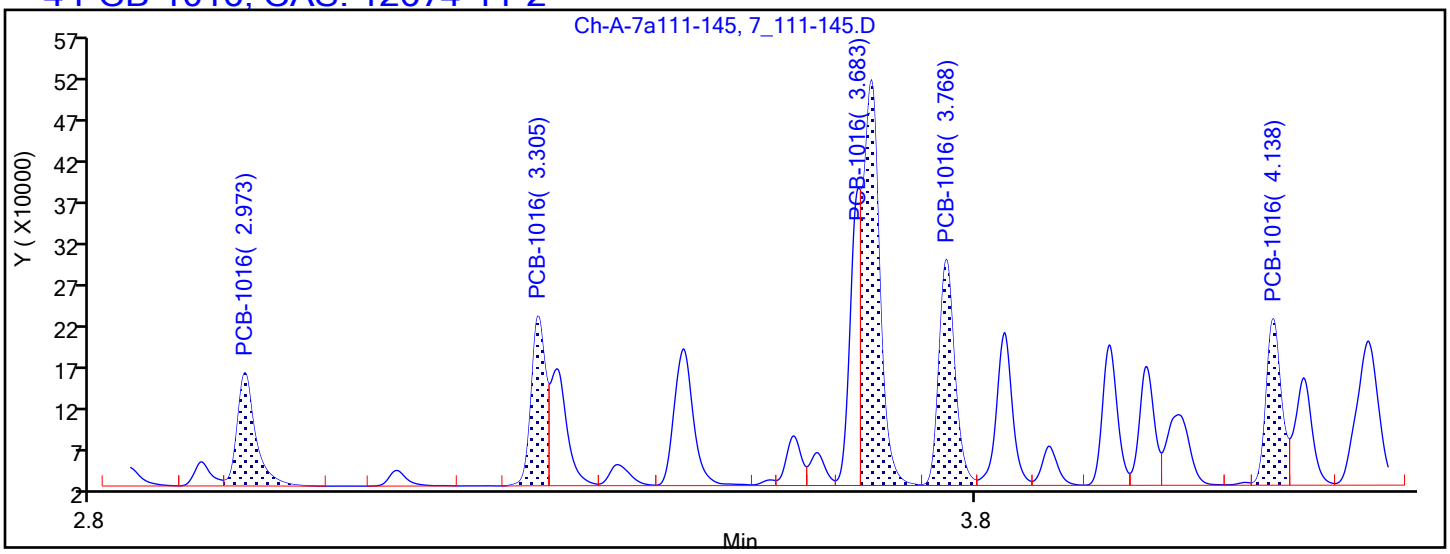
Reviewer: clarkda, 25-Oct-2021 14:00:25
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 26-Oct-2021 12:44:42 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

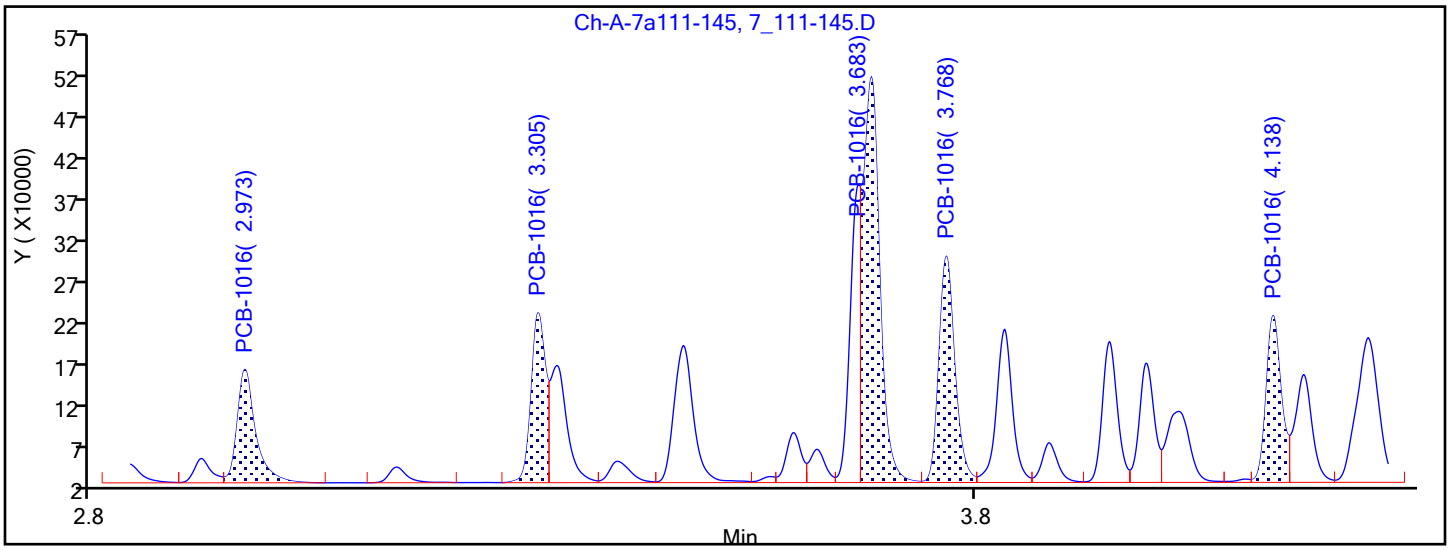
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-145.D
Injection Date: 25-Oct-2021 13:46:27 Instrument ID: HP6890-7
Lims ID: CCVIS
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL
Column: ZB-5 (0.53 mm) Detector Ch-A-7A136

4 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.973	Response = 198629
3.305	Response = 232486
3.683	Response = 642972
3.768	Response = 342529
4.138	Response = 241142



Manual Integration Results

2.973	Response = 199371	M
3.305	Response = 233204	M
3.683	Response = 644943	M
3.768	Response = 344324	M
4.138	Response = 242714	M

Reviewer: clarkda, 25-Oct-2021 14:00:25
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 26-Oct-2021 12:44:43 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-145.D

Injection Date: 25-Oct-2021 13:46:27 Instrument ID: HP6890-7

Lims ID: CCVIS

Client ID:

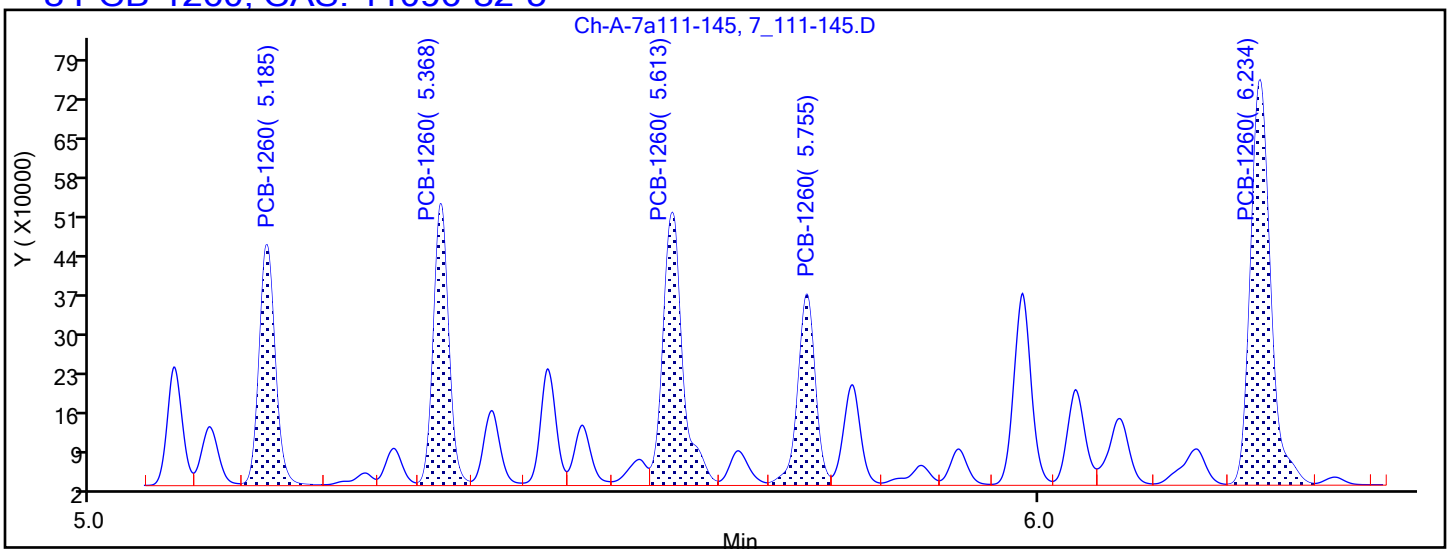
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 6

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

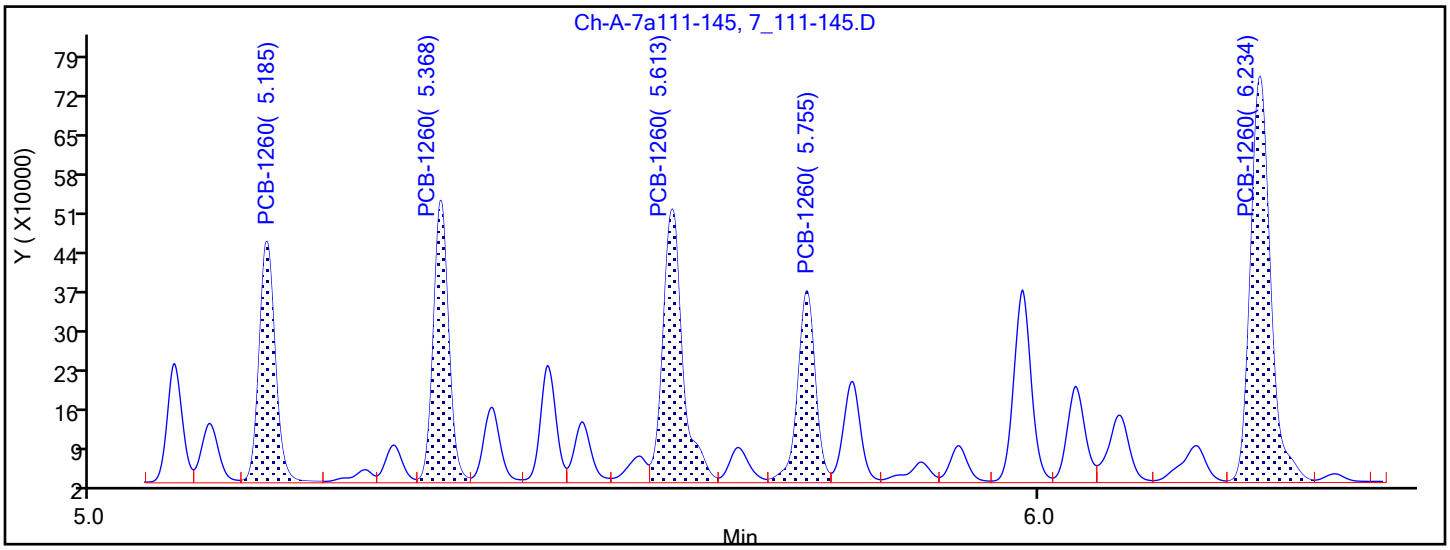
Column: ZB-5 (0.53 mm) Detector Ch-A-7A136

8 PCB-1260, CAS: 11096-82-5



Processing Integration Results

5.185	Response = 504856
5.368	Response = 558916
5.613	Response = 701333
5.755	Response = 440614
6.234	Response = 1053560



Manual Integration Results

5.185	Response = 509289	M
5.368	Response = 561983	M
5.613	Response = 705574	M
5.755	Response = 444694	M
6.234	Response = 1060206	M

Reviewer: clarkda, 25-Oct-2021 14:00:25

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

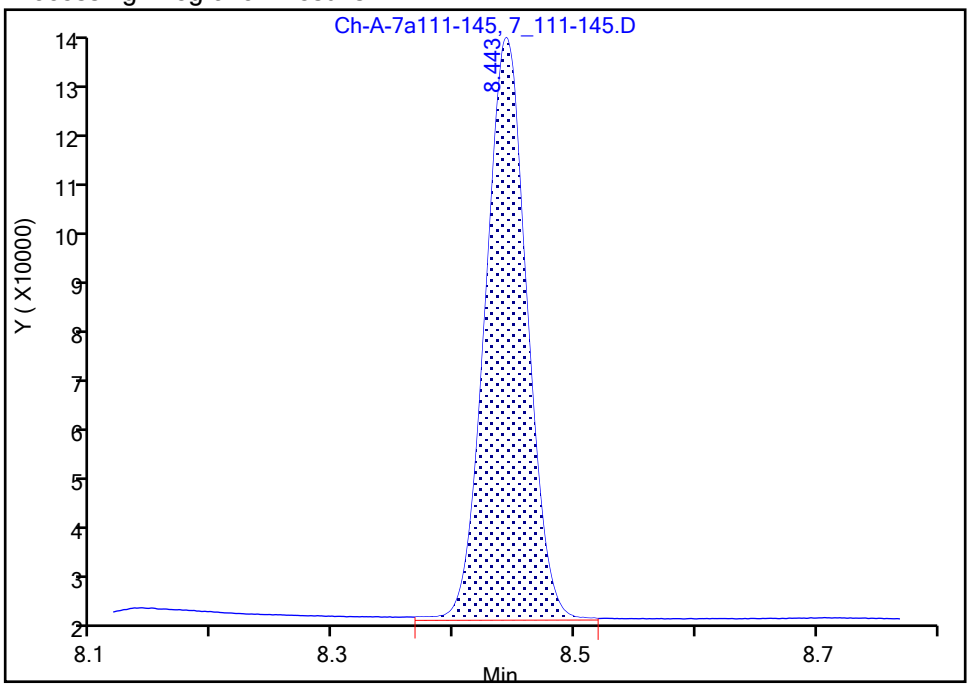
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-145.D
Injection Date: 25-Oct-2021 13:46:27 Instrument ID: HP6890-7
Lims ID: CCVIS
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL
Column: ZB-5 (0.53 mm) Detector Ch-A-7A136

$ 13 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 1

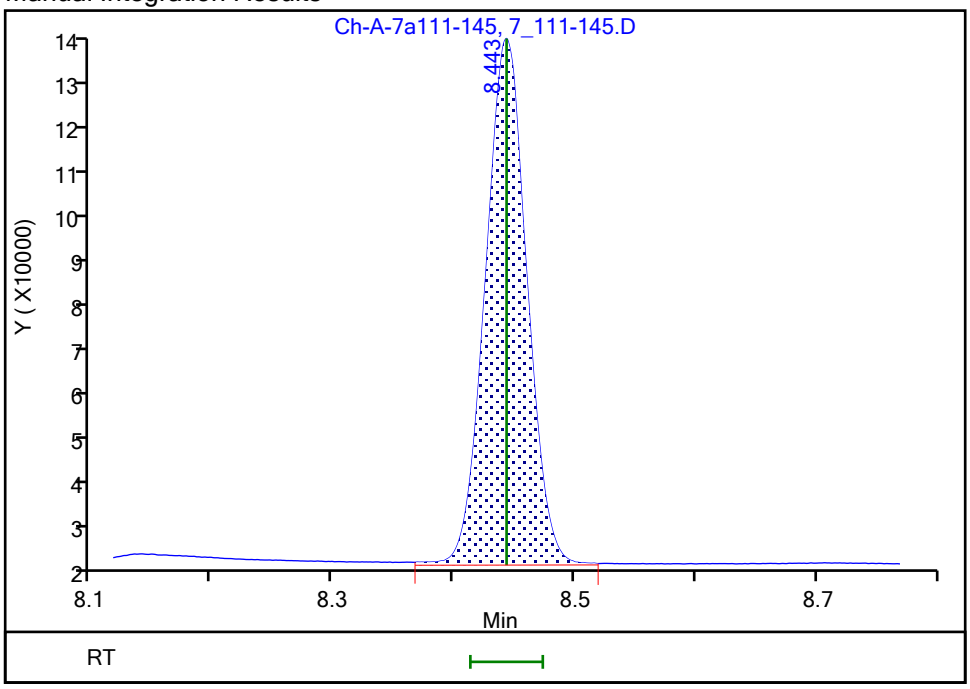
Processing Integration Results

RT: 8.44
Area: 255211
Amount: 0.010837
Amount Units: ng/uL



Manual Integration Results

RT: 8.44
Area: 258437
Amount: 0.010977
Amount Units: ng/uL



Reviewer: clarkda, 25-Oct-2021 14:00:25
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: CCVIS 480-601894/6 Calibration Date: 10/25/2021 13:46

Instrument ID: HP6890-7 Calib Start Date: 05/14/2021 18:14

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/14/2021 19:50

Lab File ID: 7_111-145.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin2		0.0181		0.474	0.504	-5.9	20.0
PCB-1016 Peak 2	Lin2		0.0368		0.428	0.504	-15.0	20.0
PCB-1016 Peak 3	Lin2		0.0490		0.396	0.504	-21.3*	20.0
PCB-1016 Peak 4	Ave	0.0398	0.0308		0.389	0.504	-22.7*	20.0
PCB-1016 Peak 5	Lin1		0.0255		0.396	0.504	-21.3*	20.0
PCB-1260 Peak 1	Lin1		0.0415		0.381	0.504	-24.3*	20.0
PCB-1260 Peak 2	Ave	0.0616	0.0493		0.404	0.504	-19.9	20.0
PCB-1260 Peak 3	Lin1		0.0466		0.410	0.504	-18.7	20.0
PCB-1260 Peak 4	Lin1		0.0437		0.405	0.504	-19.6	20.0
PCB-1260 Peak 5	Lin2		0.1105		0.418	0.504	-17.1	20.0
Tetrachloro-m-xylene	Lin2		1.183		0.0113	0.0125	-9.9	20.0
DCB Decachlorobiphenyl	Lin2		0.9405		0.0108	0.0125	-13.7	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: CCVIS 480-601894/6 Calibration Date: 10/25/2021 13:46

Instrument ID: HP6890-7 Calib Start Date: 05/14/2021 18:14

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/14/2021 19:50

Lab File ID: 7_111-145.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	3.13	3.10	3.16
PCB-1016 Peak 2	3.48	3.45	3.51
PCB-1016 Peak 3	3.83	3.80	3.86
PCB-1016 Peak 4	3.95	3.92	3.98
PCB-1016 Peak 5	4.35	4.32	4.38
PCB-1260 Peak 1	5.35	5.32	5.38
PCB-1260 Peak 2	5.46	5.43	5.49
PCB-1260 Peak 3	5.82	5.79	5.85
PCB-1260 Peak 4	6.22	6.19	6.25
PCB-1260 Peak 5	6.39	6.36	6.42
Tetrachloro-m-xylene	2.68	2.65	2.71
DCB Decachlorobiphenyl	8.88	8.85	8.91

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-145.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 25-Oct-2021 13:46:27 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 26-Oct-2021 12:44:42 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1634

First Level Reviewer: chumongkolratn Date: 26-Oct-2021 12:44:42

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.738	1.738	0.000	11603947	0.5000	0.5000	
2	1.930	1.930	0.000	11877889	0.5000	0.5000	
						RPD = 0.00	
$ 3 Tetrachloro-m-xylene							M
1	2.704	2.704	0.000	301453	0.0125	0.0101	M
2	2.683	2.683	0.000	351189	0.0125	0.0113	M
						RPD = 11.01	
4 PCB-1016							M
1	2.973	2.973	0.000	199371	0.5035	0.4133	M
1	3.305	3.305	0.000	233204	0.5035	0.3691	M
1	3.683	3.683	0.000	644943	0.5035	0.4140	M
1	3.768	3.768	0.000	344324	0.5035	0.4046	M
1	4.138	4.138	0.000	242714	0.5035	0.3723	M
		Average of Peak Amounts =				0.3947	
2	3.129	3.129	0.000	216387	0.5035	0.4740	M
2	3.481	3.481	0.000	439599	0.5035	0.4281	M
2	3.830	3.830	0.000	585966	0.5035	0.3961	M
2	3.952	3.952	0.000	368434	0.5035	0.3894	M
2	4.349	4.349	0.000	304533	0.5035	0.3964	M
		Average of Peak Amounts =				0.4168	
						RPD = 5.46	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
8 PCB-1260							M
1	5.185	5.185	0.000	509289	0.5040	0.4065	M
1	5.368	5.368	0.000	561983	0.5040	0.4007	M
1	5.613	5.613	0.000	705574	0.5040	0.3992	M
1	5.755	5.755	0.000	444694	0.5040	0.3990	M
1	6.234	6.234	0.000	1060206	0.5040	0.3928	M
		Average of Peak Amounts =				0.3996	
2	5.354	5.354	0.000	497160	0.5040	0.3813	M
2	5.456	5.456	0.000	590643	0.5040	0.4036	M
2	5.823	5.823	0.000	557898	0.5040	0.4098	M
2	6.218	6.218	0.000	523348	0.5040	0.4051	M
2	6.394	6.394	0.000	1323168	0.5040	0.4177	M
		Average of Peak Amounts =				0.4035	
						RPD = 0.96	
10 1260 Res 1							M
1	6.570	6.570	0.000	527853	NC	NC	M
2	6.218	6.218	0.000	523348	NC	NC	M
11 1260 Res 2							M
1	6.656	6.656	0.000	245844	NC	NC	M
2	6.304	6.304	0.000	382860	NC	NC	M
12 1260 Res 3							M
1	6.723	6.723	0.000	300232	NC	NC	M
2	6.394	6.394	0.000	1323168	NC	NC	M
$ 13 DCB Decachlorobiphenyl							M
1	8.443	8.443	0.000	258437	0.0125	0.0110	M
2	8.881	8.881	0.000	279270	0.0125	0.0108	
						RPD = 1.71	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

1660sur/is0.5_00158 Amount Added: 1.00 Units: mL

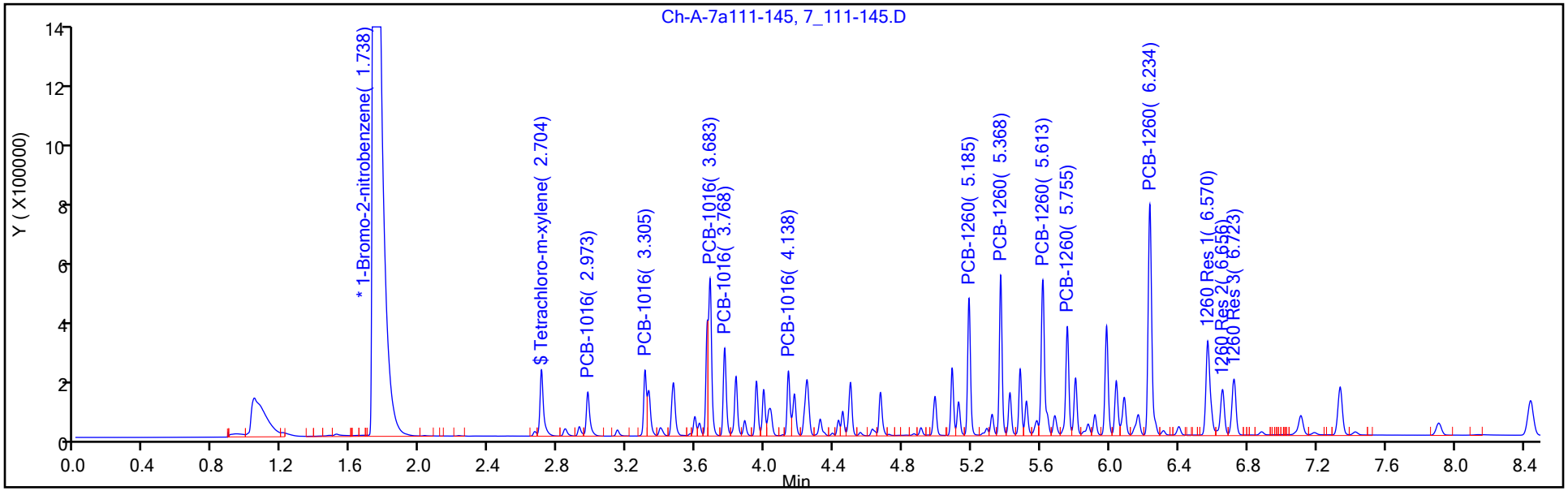
Report Date: 26-Oct-2021 12:44:43 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

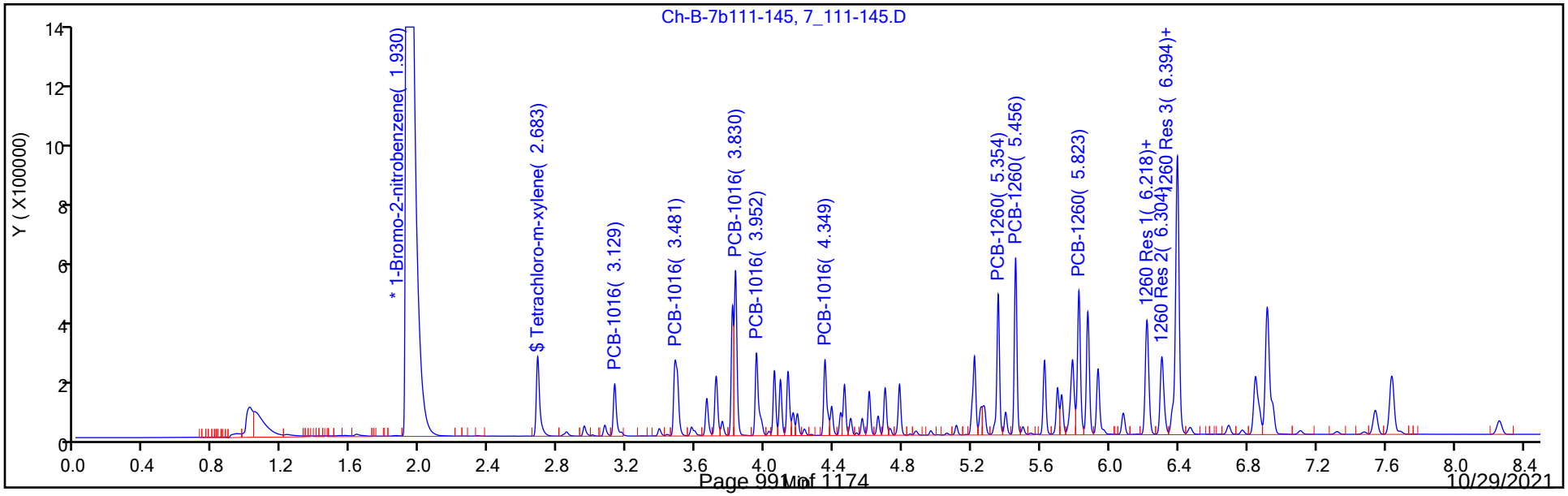
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-145.D

Injection Date:	25-Oct-2021 13:46:27	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	CCVIS			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

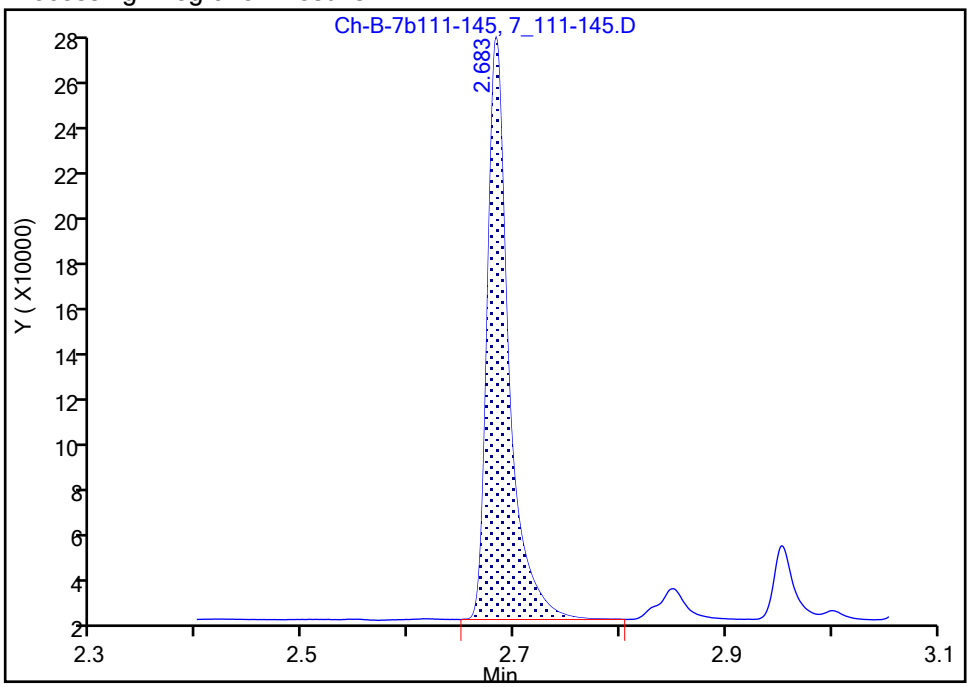
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-145.D
Injection Date: 25-Oct-2021 13:46:27 Instrument ID: HP6890-7
Lims ID: CCVIS
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL
Column: ZB-35 (0.53 mm) Detector Ch-B-7b136

$ 3 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 2

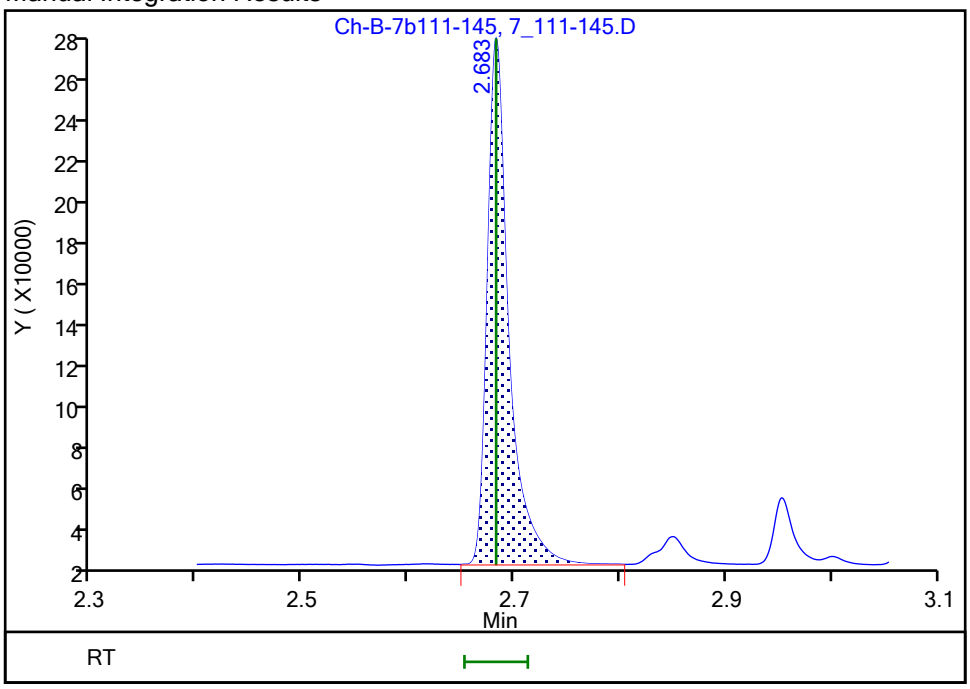
Processing Integration Results

RT: 2.68
Area: 348916
Amount: 0.011186
Amount Units: ng/uL



Manual Integration Results

RT: 2.68
Area: 351189
Amount: 0.011260
Amount Units: ng/uL



Reviewer: clarkda, 25-Oct-2021 14:00:58
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 26-Oct-2021 12:44:43 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-145.D

Injection Date: 25-Oct-2021 13:46:27 Instrument ID: HP6890-7

Lims ID: CCVIS

Client ID:

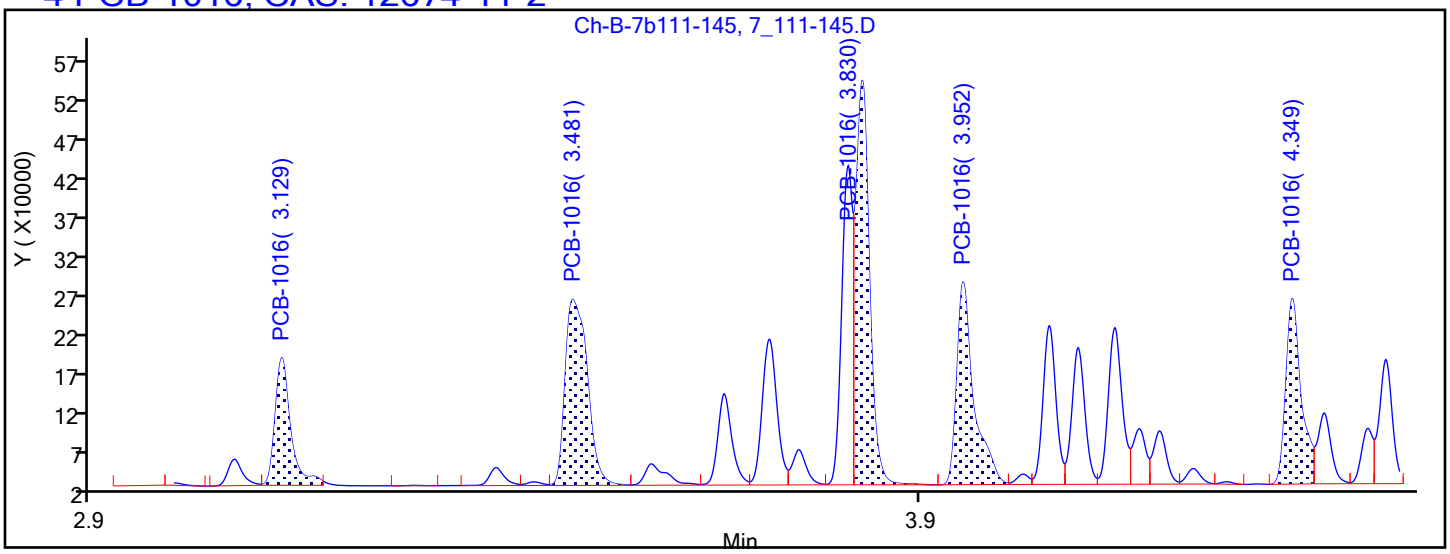
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 6

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

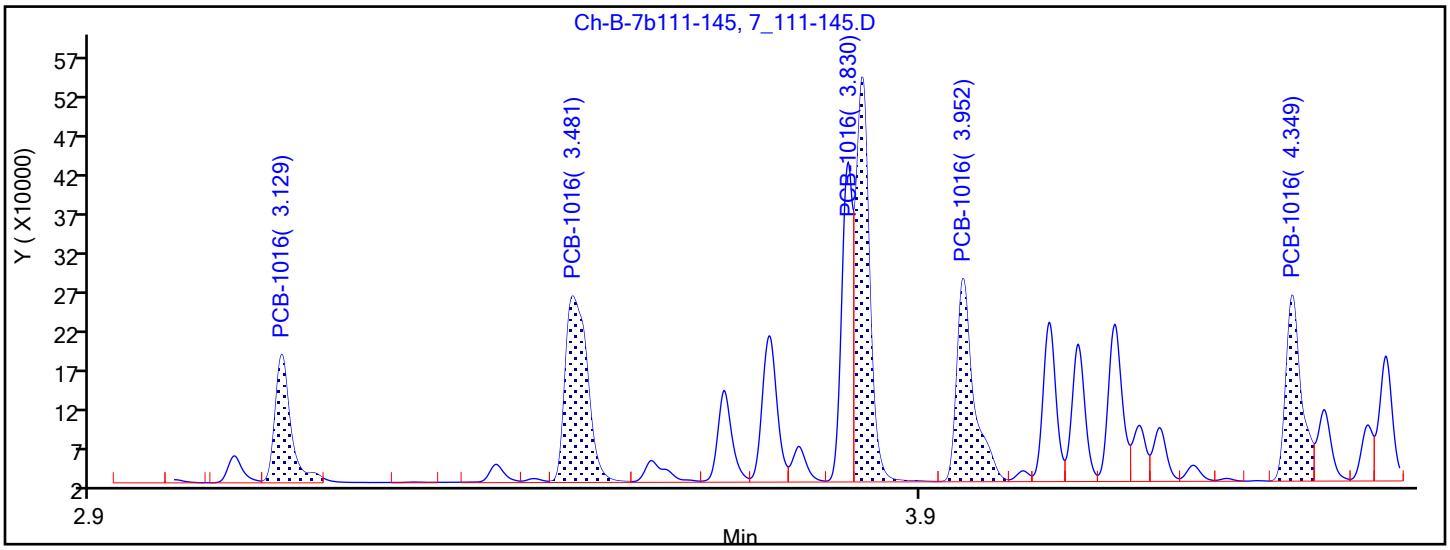
Column: ZB-35 (0.53 mm) Detector Ch-B-7b136

4 PCB-1016, CAS: 12674-11-2



Processing Integration Results

3.129	Response = 211503
3.481	Response = 436735
3.830	Response = 583115
3.952	Response = 365902
4.349	Response = 303083



Manual Integration Results

3.129	Response = 216387	M
3.481	Response = 439599	M
3.830	Response = 585966	M
3.952	Response = 368434	M
4.349	Response = 304533	M

Reviewer: clarkda, 25-Oct-2021 14:00:58

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 26-Oct-2021 12:44:43 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-145.D

Injection Date: 25-Oct-2021 13:46:27 Instrument ID: HP6890-7

Lims ID: CCVIS

Client ID:

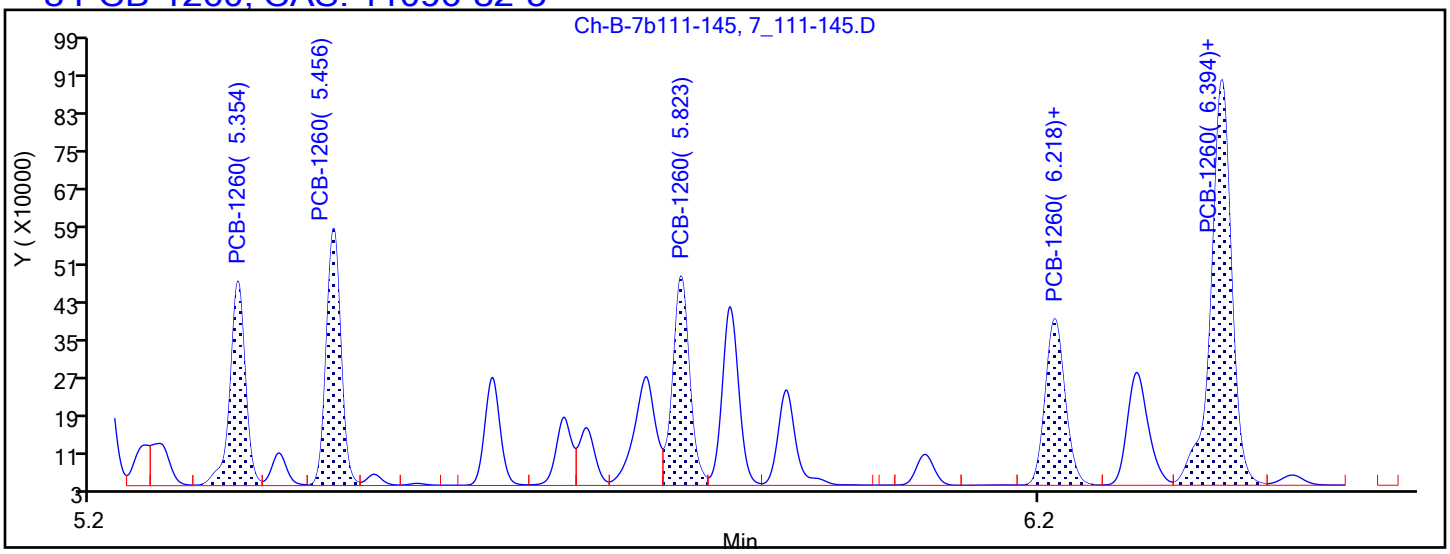
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 6

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

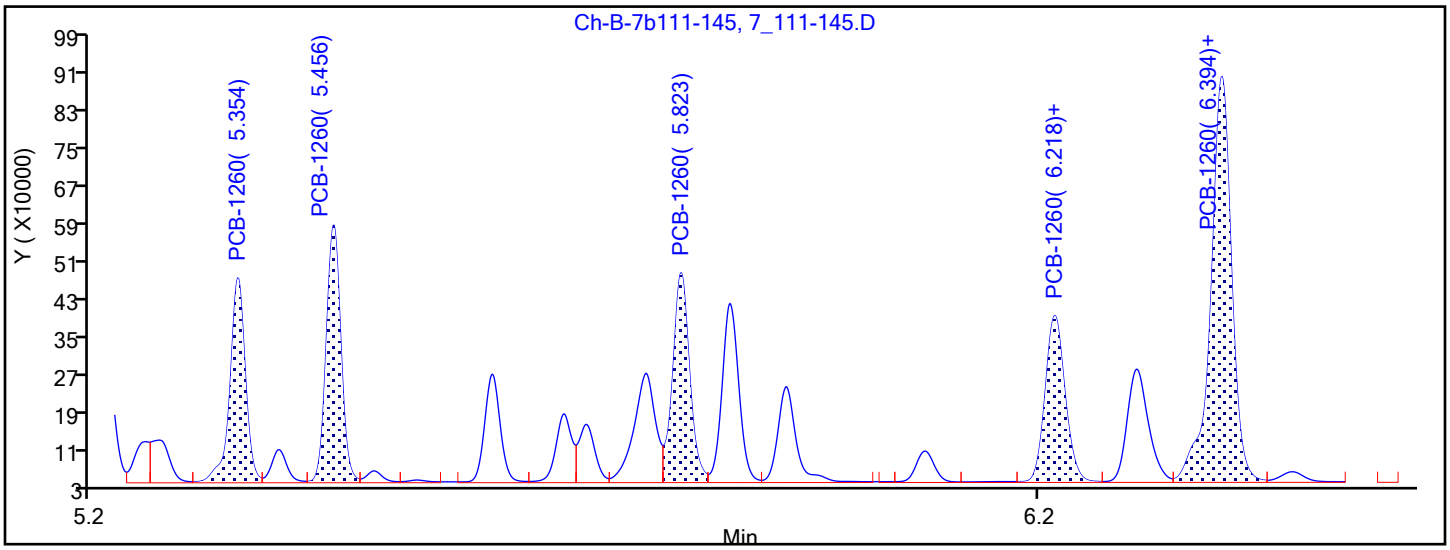
Column: ZB-35 (0.53 mm) Detector Ch-B-7b136

8 PCB-1260, CAS: 11096-82-5



Processing Integration Results

5.354	Response = 492597
5.456	Response = 586918
5.823	Response = 554556
6.218	Response = 517673
6.394	Response = 1317369



Manual Integration Results

5.354	Response = 497160	M
5.456	Response = 590643	M
5.823	Response = 557898	M
6.218	Response = 523348	M
6.394	Response = 1323168	M

Reviewer: clarkda, 25-Oct-2021 14:01:03

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: CCV 480-601894/7 Calibration Date: 10/25/2021 13:59

Instrument ID: HP6890-7 Calib Start Date: 05/14/2021 21:25

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/14/2021 21:56

Lab File ID: 7_111-146.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Lin1		0.0079		0.569	0.502	13.4	20.0
PCB-1221 Peak 2	Lin1		0.0123		0.525	0.502	4.6	20.0
PCB-1221 Peak 3	Lin1		0.0073		0.551	0.502	9.7	20.0
PCB-1221 Peak 4	Lin1		0.0289		0.530	0.502	5.7	20.0
PCB-1254 Peak 1	Lin2		0.0380		0.431	0.503	-14.3	20.0
PCB-1254 Peak 2	Lin2		0.0540		0.426	0.503	-15.3	20.0
PCB-1254 Peak 3	Lin2		0.0652		0.425	0.503	-15.4	20.0
PCB-1254 Peak 4	Lin2		0.0614		0.416	0.503	-17.3	20.0
PCB-1254 Peak 5	Lin2		0.0338		0.343	0.503	-31.9*	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: CCV 480-601894/7 Calibration Date: 10/25/2021 13:59

Instrument ID: HP6890-7 Calib Start Date: 05/14/2021 21:25

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/14/2021 21:56

Lab File ID: 7_111-146.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1221 Peak 1	2.23	2.20	2.26
PCB-1221 Peak 2	2.84	2.81	2.87
PCB-1221 Peak 3	2.92	2.89	2.95
PCB-1221 Peak 4	2.97	2.94	3.00
PCB-1254 Peak 1	4.50	4.47	4.53
PCB-1254 Peak 2	4.67	4.64	4.70
PCB-1254 Peak 3	4.99	4.96	5.02
PCB-1254 Peak 4	5.19	5.16	5.22
PCB-1254 Peak 5	5.43	5.40	5.46

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-146.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 25-Oct-2021 13:59:16 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub7

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 26-Oct-2021 12:46:09 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1634

First Level Reviewer: chumongkolratn Date: 26-Oct-2021 12:46:09

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.739	1.739	0.000	11718709	0.5000	0.5000	
2	1.933	1.933	0.000	11962126	0.5000	0.5000	
						RPD = 0.00	
2 PCB-1221							M
1	2.225	2.225	0.000	92763	0.5020	0.5693	M
1	2.843	2.843	0.000	145257	0.5020	0.5252	M
1	2.923	2.923	0.000	86278	0.5020	0.5507	M
1	2.973	2.973	0.000	339902	0.5020	0.5305	M
		Average of Peak Amounts =				0.5439	
2	2.339	2.339	0.000	97314	0.5020	0.5718	
2	2.954	2.954	0.000	156873	0.5020	0.5422	
2	3.073	3.073	0.000	97321	0.5020	0.5676	M
2	3.130	3.130	0.000	316071	0.5020	0.5607	M
		Average of Peak Amounts =				0.5606	
						RPD = 3.02	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
6 PCB-1254							M
1	4.498	4.498	0.000	448091	0.5030	0.4312	M
1	4.672	4.672	0.000	636499	0.5030	0.4261	M
1	4.989	4.989	0.000	768971	0.5030	0.4254	M
1	5.192	5.192	0.000	723761	0.5030	0.4158	M
1	5.425	5.425	0.000	398447	0.5030	0.3427	M
		Average of Peak Amounts =				0.4082	
2	4.782	4.782	0.000	574998	0.5030	0.4424	M
2	5.112	5.112	0.000	397715	0.5030	0.4445	M
2	5.204	5.204	0.000	815332	0.5030	0.4414	M
2	5.334	5.334	0.000	572645	0.5030	0.4482	M
2	5.824	5.824	0.000	571152	0.5030	0.4367	M
		Average of Peak Amounts =				0.4426	
						RPD = 8.09	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

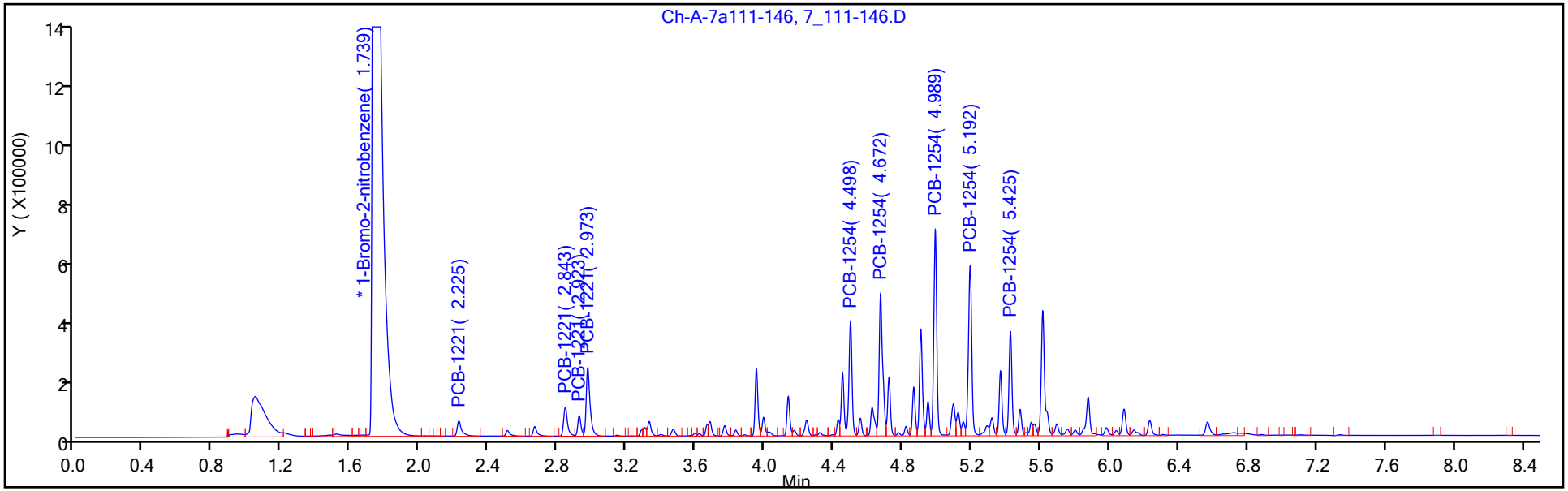
21-54w/IS@0.5_00096 Amount Added: 1.00 Units: mL

Report Date: 26-Oct-2021 12:46:09 Chrom Revision: 2.3 22-Sep-2021 15:38:46

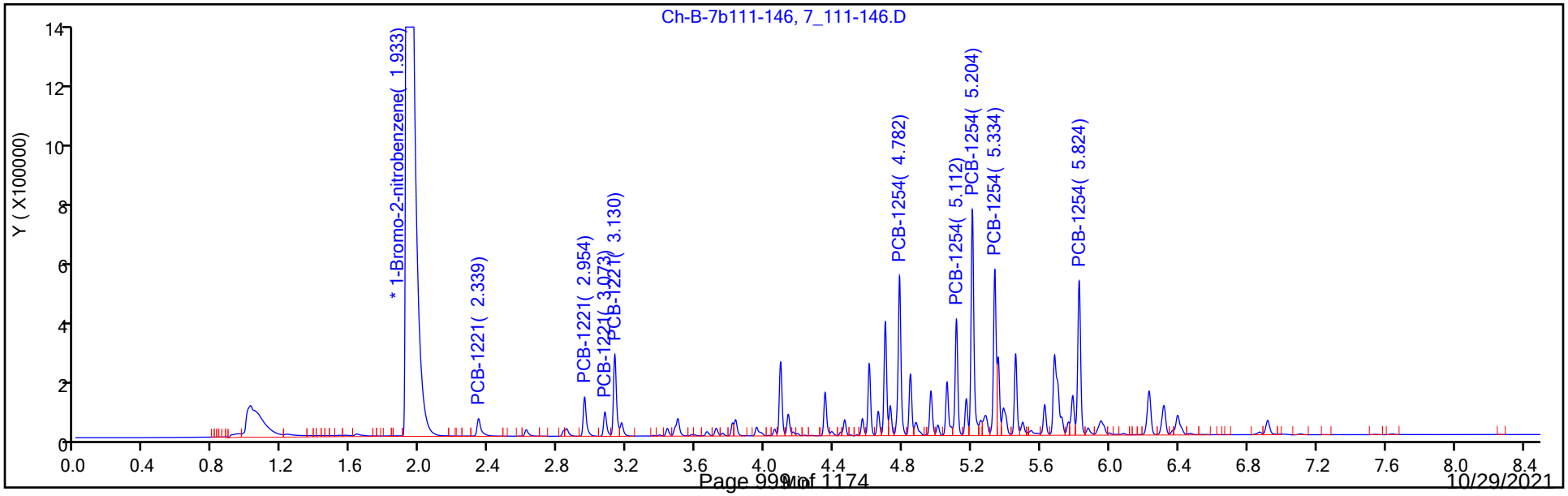
Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-146.D				
Injection Date:	25-Oct-2021 13:59:16	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value

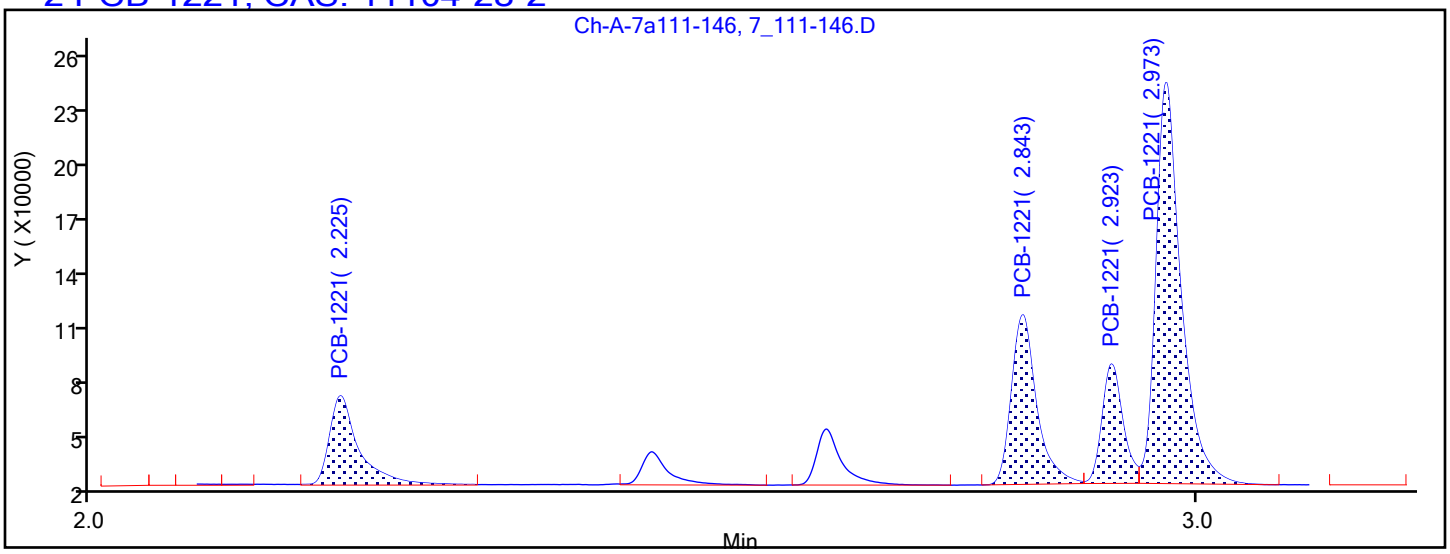


Report Date: 26-Oct-2021 12:46:09 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

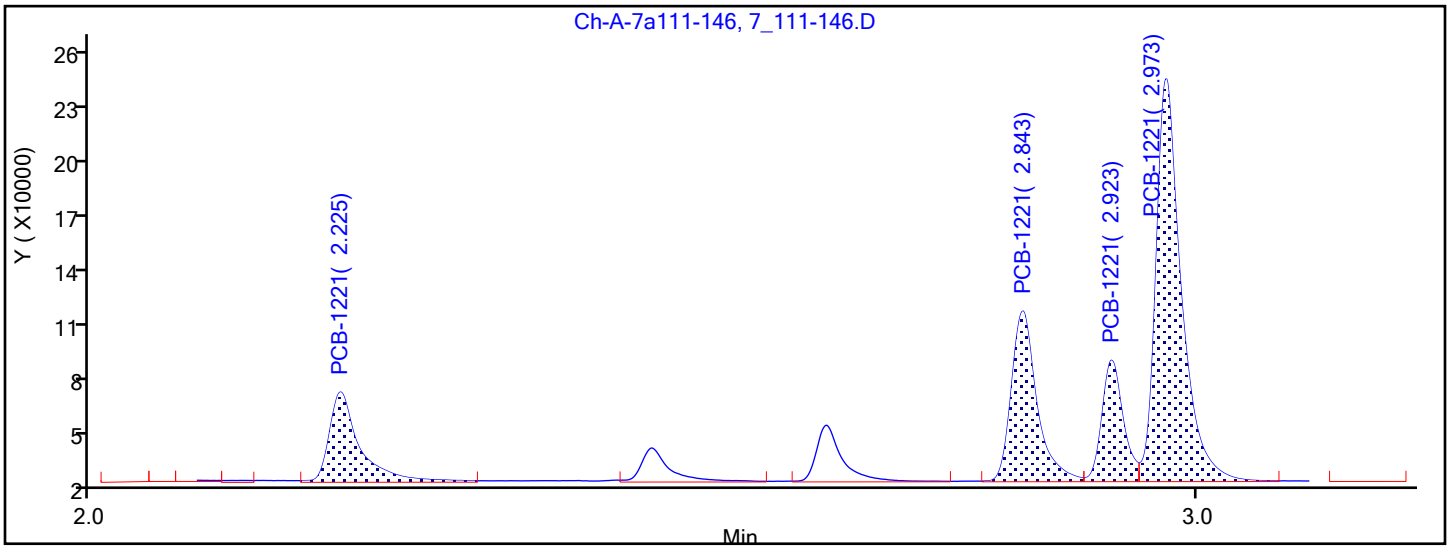
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-146.D
Injection Date: 25-Oct-2021 13:59:16 Instrument ID: HP6890-7
Lims ID: CCV
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL
Column: ZB-5 (0.53 mm) Detector Ch-A-7A136

2 PCB-1221, CAS: 11104-28-2



Processing Integration Results

2.225	Response = 87723
2.843	Response = 141436
2.923	Response = 82998
2.973	Response = 334423



Manual Integration Results

2.225	Response = 92763	M
2.843	Response = 145257	M
2.923	Response = 86278	M
2.973	Response = 339902	M

Reviewer: clarkda, 25-Oct-2021 14:39:25
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 26-Oct-2021 12:46:10 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-146.D

Injection Date: 25-Oct-2021 13:59:16 Instrument ID: HP6890-7

Lims ID: CCV

Client ID:

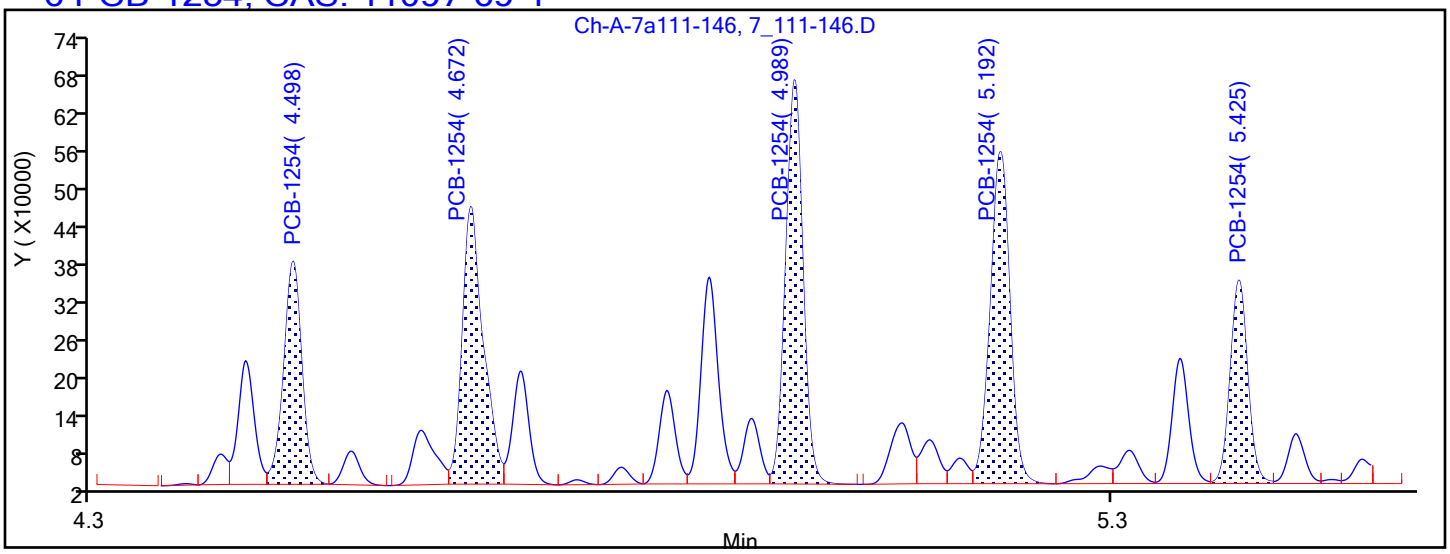
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 7

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

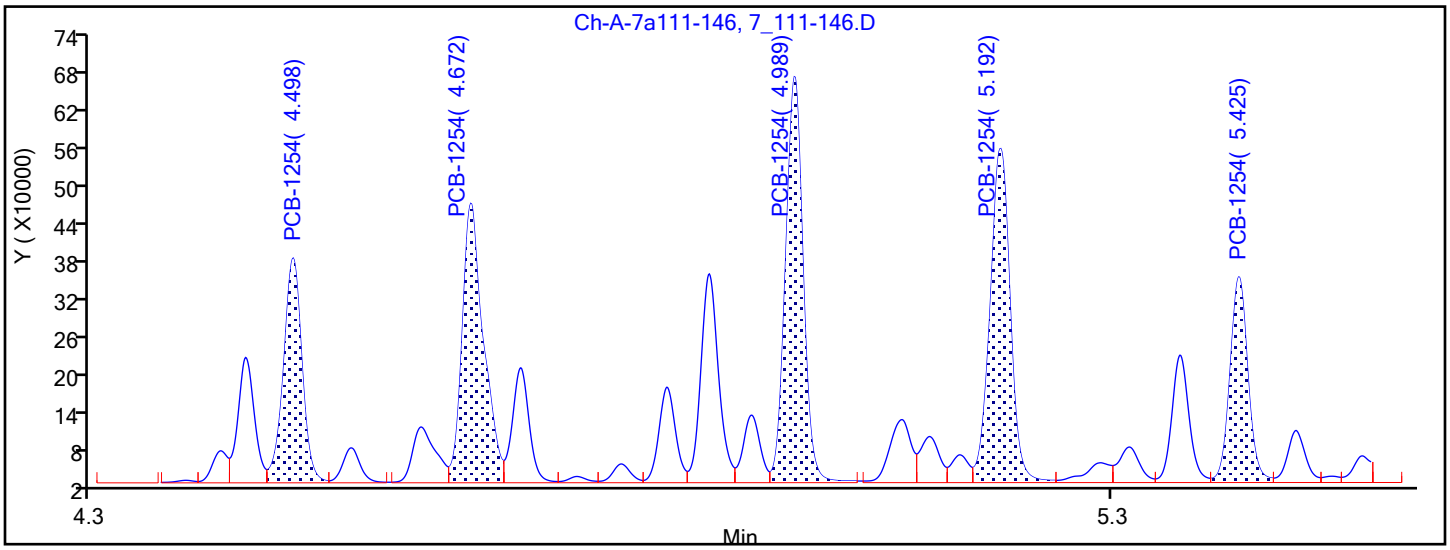
Column: ZB-5 (0.53 mm) Detector Ch-A-7A136

6 PCB-1254, CAS: 11097-69-1



Processing Integration Results

4.498	Response = 437553
4.672	Response = 626417
4.989	Response = 753539
5.192	Response = 706445
5.425	Response = 384868



Manual Integration Results

4.498	Response = 448091	M
4.672	Response = 636499	M
4.989	Response = 768971	M
5.192	Response = 723761	M
5.425	Response = 398447	M

Reviewer: clarkda, 25-Oct-2021 14:39:25

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: CCV 480-601894/7 Calibration Date: 10/25/2021 13:59

Instrument ID: HP6890-7 Calib Start Date: 05/14/2021 21:25

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/14/2021 21:56

Lab File ID: 7_111-146.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Lin1		0.0081		0.572	0.502	13.9	20.0
PCB-1221 Peak 2	Lin1		0.0131		0.542	0.502	8.0	20.0
PCB-1221 Peak 3	Lin1		0.0081		0.568	0.502	13.1	20.0
PCB-1221 Peak 4	Lin1		0.0263		0.561	0.502	11.7	20.0
PCB-1254 Peak 1	Lin2		0.0478		0.442	0.503	-12.0	20.0
PCB-1254 Peak 2	Lin2		0.0330		0.444	0.503	-11.6	20.0
PCB-1254 Peak 3	Lin2		0.0678		0.441	0.503	-12.3	20.0
PCB-1254 Peak 4	Lin2		0.0476		0.448	0.503	-10.9	20.0
PCB-1254 Peak 5	Lin2		0.0475		0.437	0.503	-13.2	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: CCV 480-601894/7 Calibration Date: 10/25/2021 13:59

Instrument ID: HP6890-7 Calib Start Date: 05/14/2021 21:25

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/14/2021 21:56

Lab File ID: 7_111-146.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1221 Peak 1	2.34	2.31	2.37
PCB-1221 Peak 2	2.95	2.92	2.98
PCB-1221 Peak 3	3.07	3.04	3.10
PCB-1221 Peak 4	3.13	3.10	3.16
PCB-1254 Peak 1	4.78	4.75	4.81
PCB-1254 Peak 2	5.11	5.08	5.14
PCB-1254 Peak 3	5.20	5.17	5.23
PCB-1254 Peak 4	5.33	5.30	5.36
PCB-1254 Peak 5	5.82	5.79	5.85

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-146.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 25-Oct-2021 13:59:16 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub7

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 26-Oct-2021 12:46:09 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1634

First Level Reviewer: chumongkolratn Date: 26-Oct-2021 12:46:09

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.739	1.739	0.000	11718709	0.5000	0.5000	
2	1.933	1.933	0.000	11962126	0.5000	0.5000	
						RPD = 0.00	
2 PCB-1221							M
1	2.225	2.225	0.000	92763	0.5020	0.5693	M
1	2.843	2.843	0.000	145257	0.5020	0.5252	M
1	2.923	2.923	0.000	86278	0.5020	0.5507	M
1	2.973	2.973	0.000	339902	0.5020	0.5305	M
		Average of Peak Amounts =				0.5439	
2	2.339	2.339	0.000	97314	0.5020	0.5718	
2	2.954	2.954	0.000	156873	0.5020	0.5422	
2	3.073	3.073	0.000	97321	0.5020	0.5676	M
2	3.130	3.130	0.000	316071	0.5020	0.5607	M
		Average of Peak Amounts =				0.5606	
						RPD = 3.02	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
6 PCB-1254							M
1	4.498	4.498	0.000	448091	0.5030	0.4312	M
1	4.672	4.672	0.000	636499	0.5030	0.4261	M
1	4.989	4.989	0.000	768971	0.5030	0.4254	M
1	5.192	5.192	0.000	723761	0.5030	0.4158	M
1	5.425	5.425	0.000	398447	0.5030	0.3427	M
		Average of Peak Amounts =				0.4082	
2	4.782	4.782	0.000	574998	0.5030	0.4424	M
2	5.112	5.112	0.000	397715	0.5030	0.4445	M
2	5.204	5.204	0.000	815332	0.5030	0.4414	M
2	5.334	5.334	0.000	572645	0.5030	0.4482	M
2	5.824	5.824	0.000	571152	0.5030	0.4367	M
		Average of Peak Amounts =				0.4426	
						RPD = 8.09	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

21-54w/IS@0.5_00096 Amount Added: 1.00 Units: mL

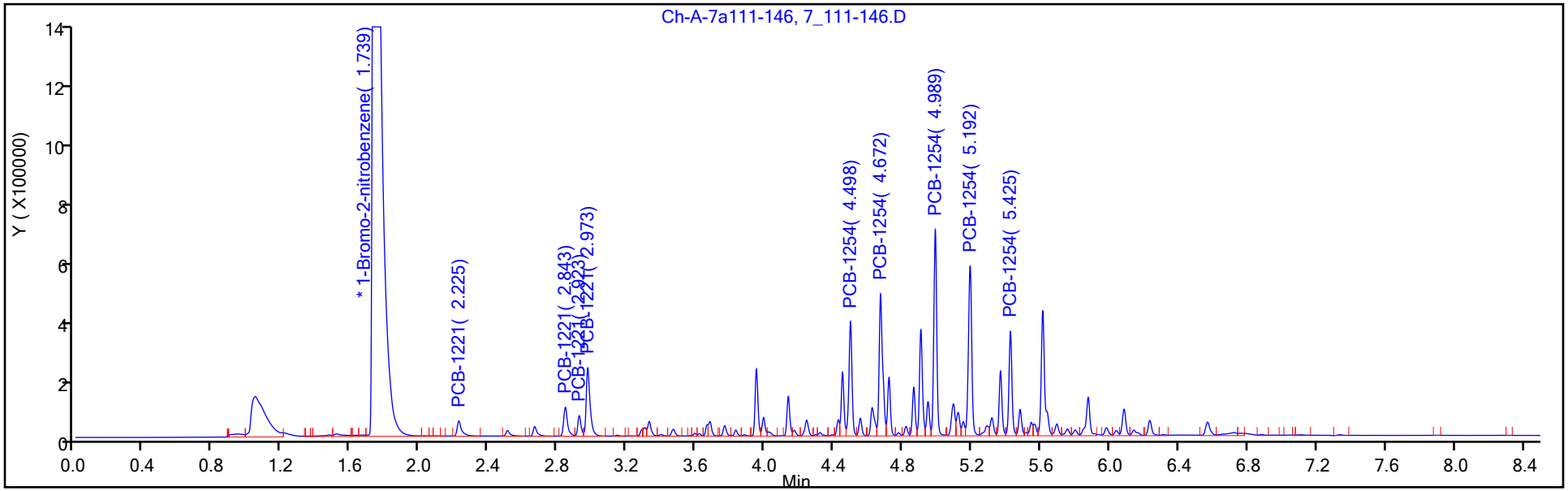
Report Date: 26-Oct-2021 12:46:10 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

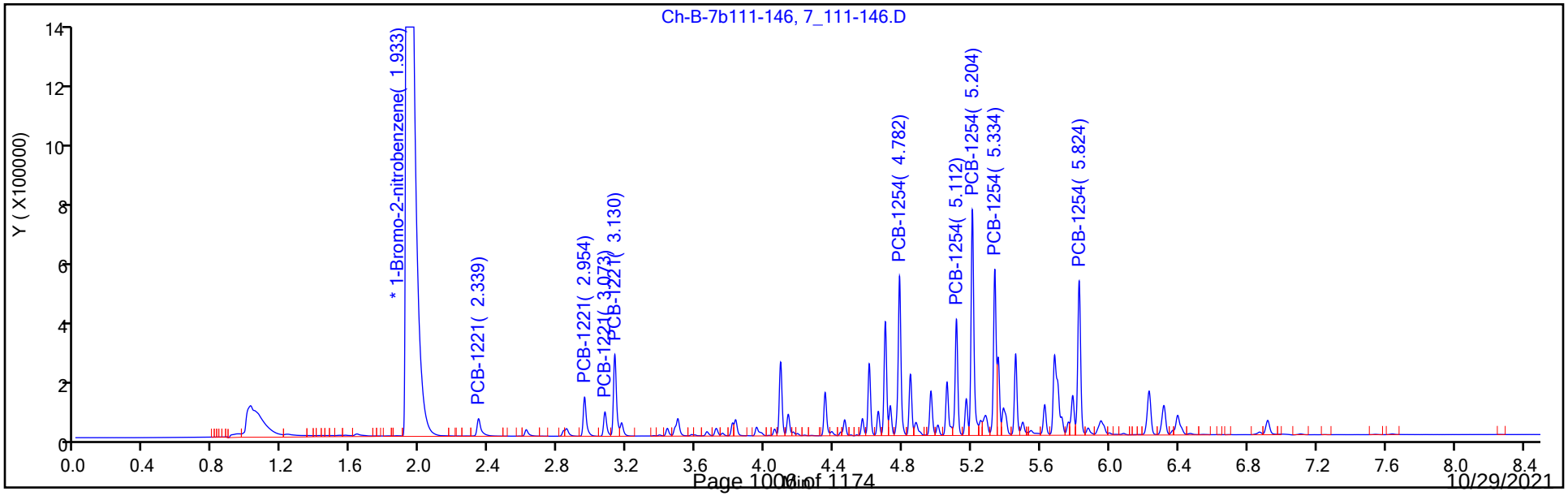
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-146.D

Injection Date:	25-Oct-2021 13:59:16	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value

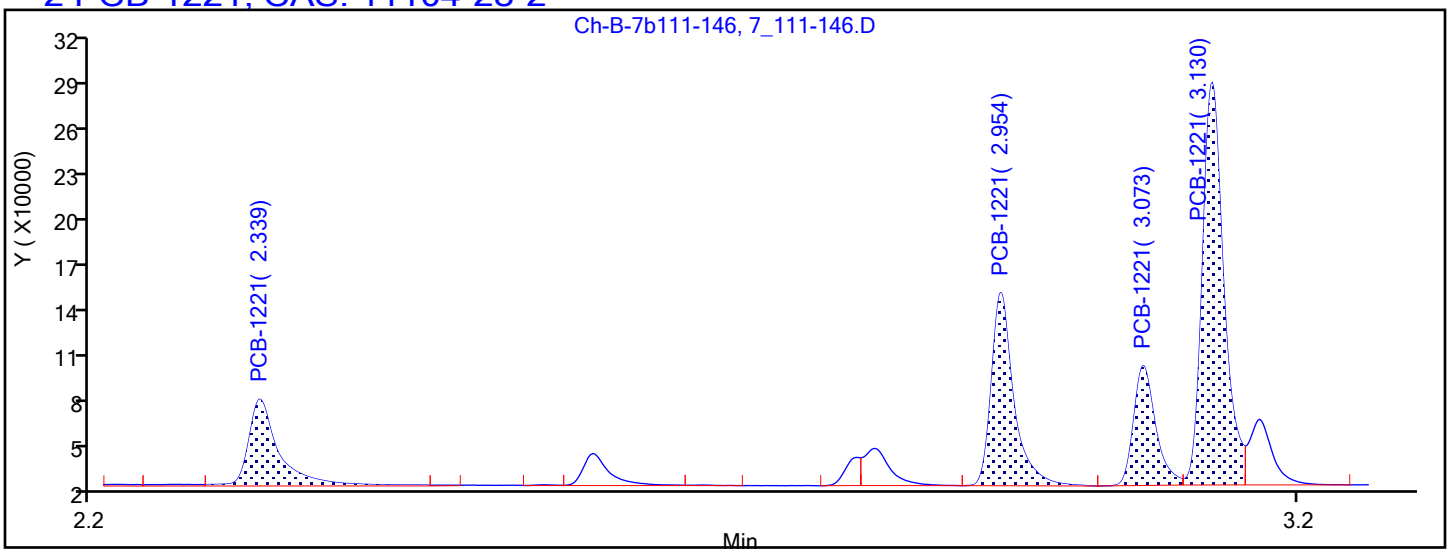


Report Date: 26-Oct-2021 12:46:10 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

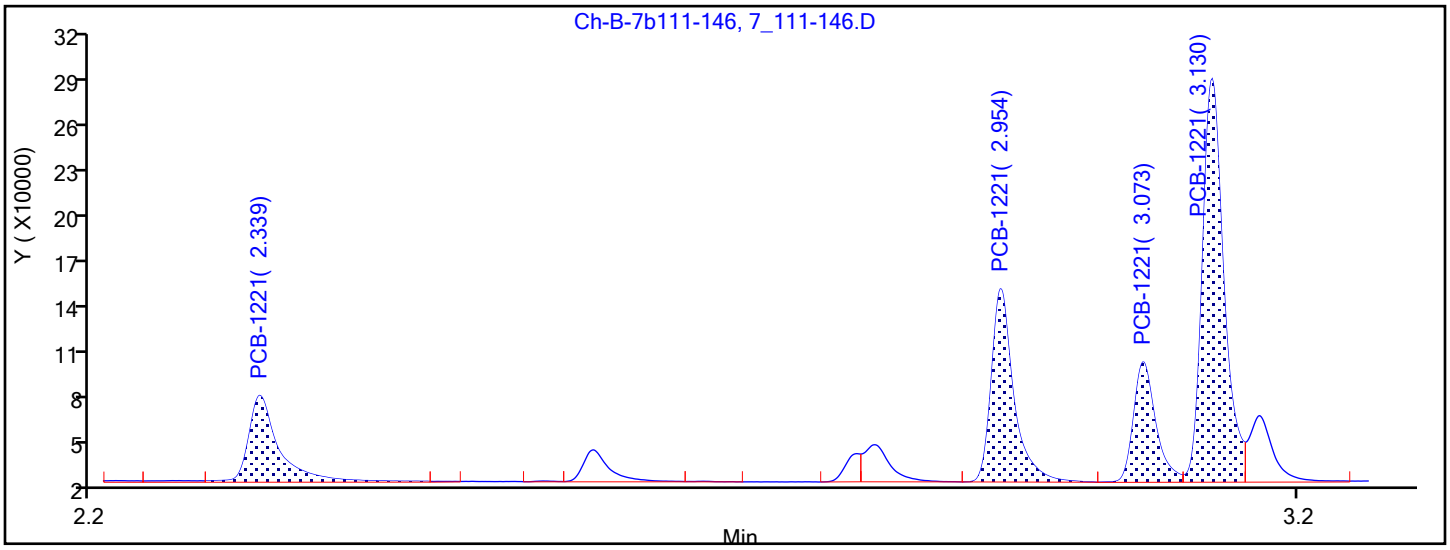
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-146.D
Injection Date: 25-Oct-2021 13:59:16 Instrument ID: HP6890-7
Lims ID: CCV
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL
Column: ZB-35 (0.53 mm) Detector Ch-B-7b136

2 PCB-1221, CAS: 11104-28-2



Processing Integration Results

2.339	Response = 97314	
2.954	Response = 156873	
3.073	Response = 95798	
3.130	Response = 314134	



Manual Integration Results

2.339	Response = 97314	
2.954	Response = 156873	
3.073	Response = 97321	M
3.130	Response = 316071	M

Reviewer: clarkda, 25-Oct-2021 14:39:30
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 26-Oct-2021 12:46:10 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-146.D

Injection Date: 25-Oct-2021 13:59:16 Instrument ID: HP6890-7

Lims ID: CCV

Client ID:

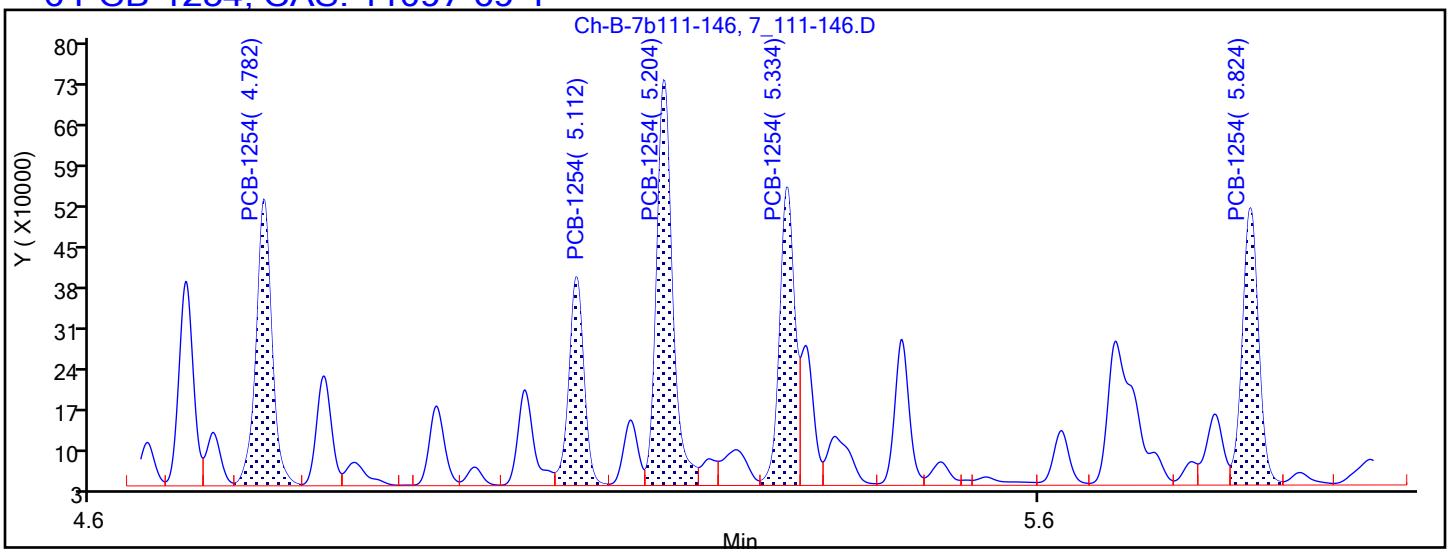
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 7

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

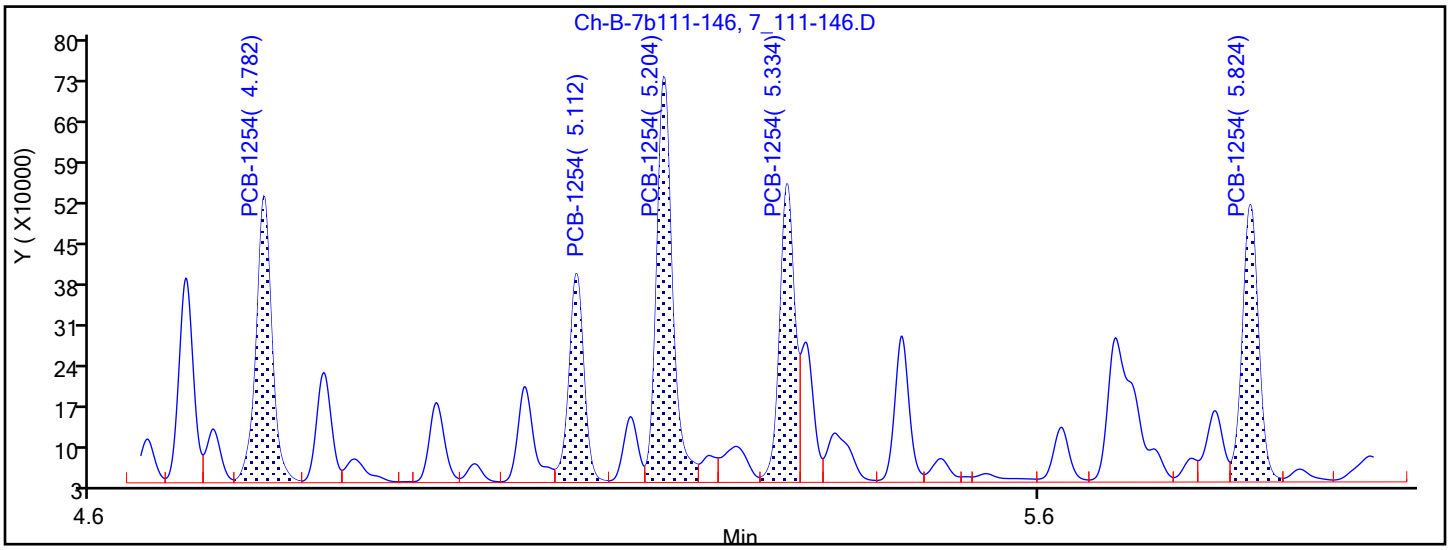
Column: ZB-35 (0.53 mm) Detector Ch-B-7b136

6 PCB-1254, CAS: 11097-69-1



Processing Integration Results

4.782	Response = 572825
5.112	Response = 396039
5.204	Response = 813618
5.334	Response = 571343
5.824	Response = 569363



Manual Integration Results

4.782	Response = 574998	M
5.112	Response = 397715	M
5.204	Response = 815332	M
5.334	Response = 572645	M
5.824	Response = 571152	M

Reviewer: clarkda, 25-Oct-2021 14:39:30

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: CCV 480-601894/8 Calibration Date: 10/25/2021 14:12

Instrument ID: HP6890-7 Calib Start Date: 05/14/2021 22:28

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/14/2021 23:00

Lab File ID: 7_111-147.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Lin1		0.0238		0.546	0.505	8.1	20.0
PCB-1232 Peak 2	Lin2		0.0117		0.507	0.505	0.3	20.0
PCB-1232 Peak 3	Lin2		0.0291		0.536	0.505	6.1	20.0
PCB-1232 Peak 4	Lin1		0.0153		0.490	0.505	-3.0	20.0
PCB-1232 Peak 5	Lin2		0.0103		0.477	0.505	-5.5	20.0
PCB-1262 Peak 1	Lin2		0.0340		0.348	0.503	-30.8*	20.0
PCB-1262 Peak 2	Lin2		0.0523		0.384	0.503	-23.7*	20.0
PCB-1262 Peak 3	Lin2		0.1094		0.426	0.503	-15.2	20.0
PCB-1262 Peak 4	Lin2		0.0432		0.420	0.503	-16.6	20.0
PCB-1262 Peak 5	Lin2		0.0453		0.437	0.503	-13.2	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: CCV 480-601894/8 Calibration Date: 10/25/2021 14:12

Instrument ID: HP6890-7 Calib Start Date: 05/14/2021 22:28

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/14/2021 23:00

Lab File ID: 7_111-147.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1232 Peak 1	2.97	2.94	3.00
PCB-1232 Peak 2	3.31	3.28	3.34
PCB-1232 Peak 3	3.68	3.65	3.71
PCB-1232 Peak 4	3.77	3.74	3.80
PCB-1232 Peak 5	3.83	3.80	3.86
PCB-1262 Peak 1	5.37	5.34	5.40
PCB-1262 Peak 2	5.76	5.73	5.79
PCB-1262 Peak 3	6.23	6.20	6.26
PCB-1262 Peak 4	6.66	6.63	6.69
PCB-1262 Peak 5	6.72	6.69	6.75

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-147.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 25-Oct-2021 14:12:06 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub8

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 26-Oct-2021 12:46:46 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1634

First Level Reviewer: chumongkolratn Date: 26-Oct-2021 12:46:46

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.740	1.740	0.000	11576778	0.5000	0.5000	
2	1.932	1.932	0.000	11901407	0.5000	0.5000	
						RPD = 0.00	
15 PCB-1232							M
1	2.973	2.973	0.000	278116	0.5050	0.5457	
1	3.305	3.305	0.000	137339	0.5050	0.5065	
1	3.683	3.683	0.000	340373	0.5050	0.5357	
1	3.767	3.767	0.000	179467	0.5050	0.4900	
1	3.833	3.833	0.000	120910	0.5050	0.4771	
		Average of Peak Amounts =				0.5110	
2	3.130	3.130	0.000	270880	0.5050	0.5811	M
2	3.481	3.481	0.000	259379	0.5050	0.5558	M
2	3.832	3.832	0.000	316102	0.5050	0.5150	M
2	3.953	3.953	0.000	199153	0.5050	0.5282	M
2	4.351	4.351	0.000	170894	0.5050	0.5022	M
		Average of Peak Amounts =				0.5365	
						RPD = 4.86	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
7 PCB-1262							M
1	5.368	5.368	0.000	396118	0.5030	0.3478	
1	5.755	5.755	0.000	609264	0.5030	0.3837	
1	6.234	6.234	0.000	1274578	0.5030	0.4265	
1	6.655	6.655	0.000	502954	0.5030	0.4197	
1	6.722	6.722	0.000	527542	0.5030	0.4366	
		Average of Peak Amounts =				0.4029	
2	5.456	5.456	0.000	493478	0.5030	0.4443	M
2	5.876	5.876	0.000	755876	0.5030	0.4719	M
2	6.217	6.217	0.000	701069	0.5030	0.4674	M
2	6.394	6.394	0.000	1633686	0.5030	0.4837	M
2	6.848	6.848	0.000	642334	0.5030	0.4471	M
		Average of Peak Amounts =				0.4629	
						RPD = 13.87	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

32-62w/IS@0.5_00097 Amount Added: 1.00 Units: mL

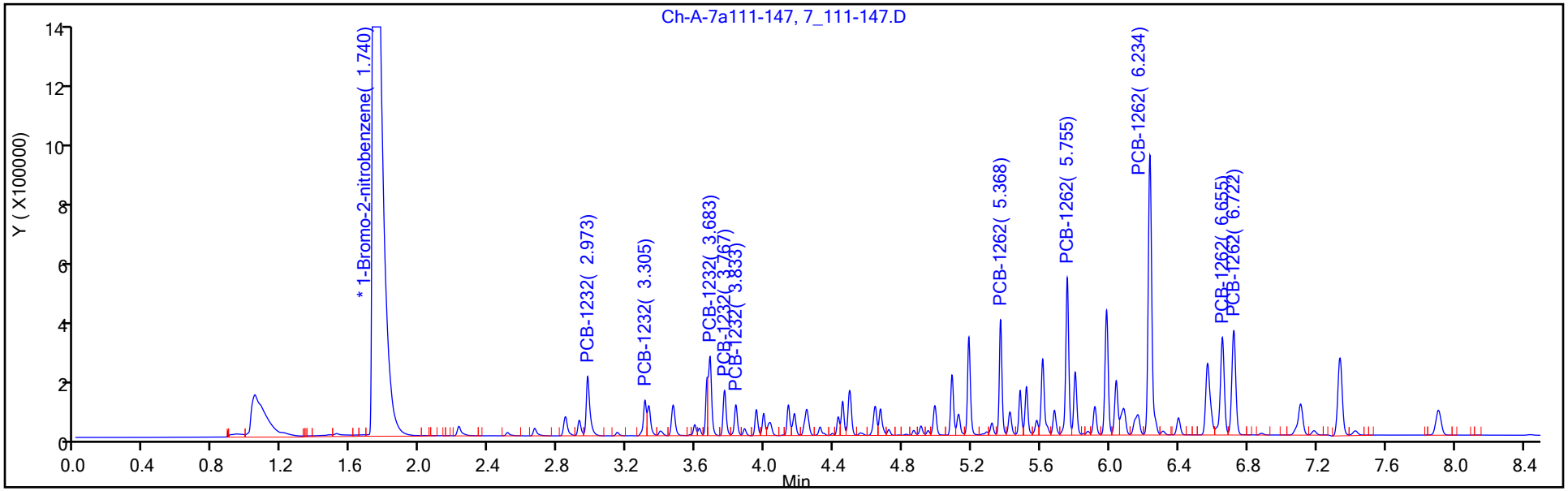
Report Date: 26-Oct-2021 12:46:46 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

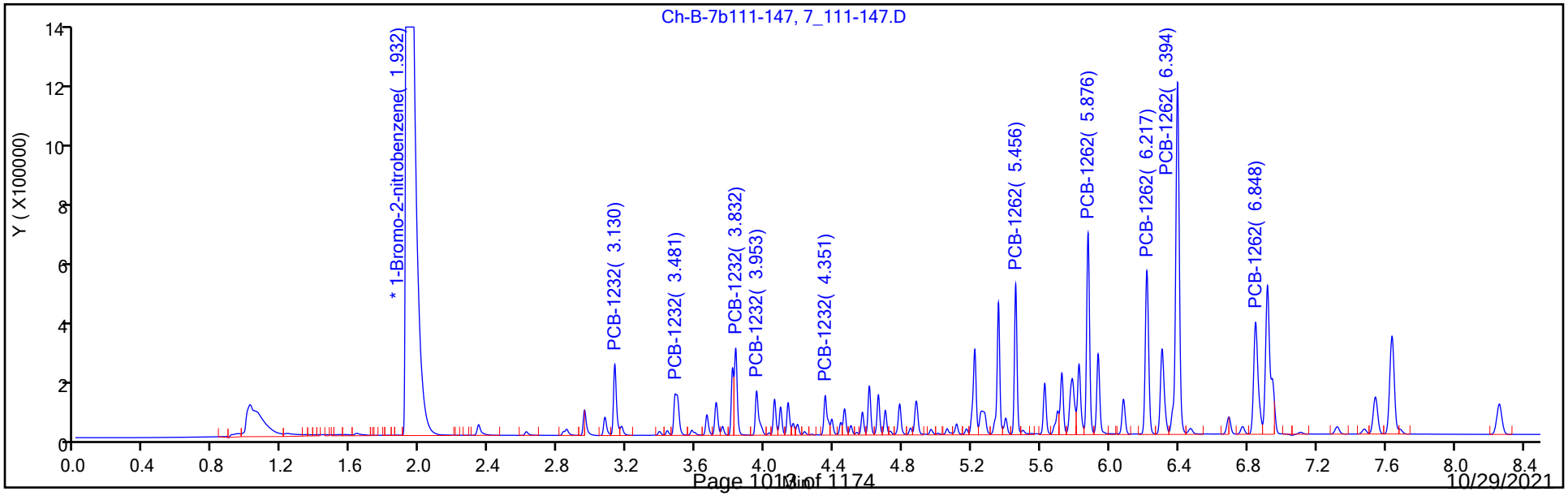
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-147.D

Injection Date:	25-Oct-2021 14:12:06	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: CCV 480-601894/8 Calibration Date: 10/25/2021 14:12

Instrument ID: HP6890-7 Calib Start Date: 05/14/2021 22:28

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/14/2021 23:00

Lab File ID: 7_111-147.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Lin2		0.0225		0.581	0.505	15.1	20.0
PCB-1232 Peak 2	Lin2		0.0216		0.556	0.505	10.1	20.0
PCB-1232 Peak 3	Lin2		0.0263		0.515	0.505	2.0	20.0
PCB-1232 Peak 4	Lin2		0.0166		0.528	0.505	4.6	20.0
PCB-1232 Peak 5	Lin2		0.0142		0.502	0.505	-0.5	20.0
PCB-1262 Peak 1	Lin2		0.0412		0.444	0.503	-11.7	20.0
PCB-1262 Peak 2	Lin2		0.0631		0.472	0.503	-6.2	20.0
PCB-1262 Peak 3	Lin2		0.0586		0.467	0.503	-7.1	20.0
PCB-1262 Peak 4	Lin2		0.1364		0.484	0.503	-3.8	20.0
PCB-1262 Peak 5	Lin2		0.0536		0.447	0.503	-11.1	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: CCV 480-601894/8 Calibration Date: 10/25/2021 14:12

Instrument ID: HP6890-7 Calib Start Date: 05/14/2021 22:28

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/14/2021 23:00

Lab File ID: 7_111-147.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1232 Peak 1	3.13	3.10	3.16
PCB-1232 Peak 2	3.48	3.45	3.51
PCB-1232 Peak 3	3.83	3.80	3.86
PCB-1232 Peak 4	3.95	3.92	3.98
PCB-1232 Peak 5	4.35	4.32	4.38
PCB-1262 Peak 1	5.46	5.43	5.49
PCB-1262 Peak 2	5.88	5.85	5.91
PCB-1262 Peak 3	6.22	6.19	6.25
PCB-1262 Peak 4	6.39	6.36	6.42
PCB-1262 Peak 5	6.85	6.82	6.88

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-147.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 25-Oct-2021 14:12:06 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub8

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 26-Oct-2021 12:46:46 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1634

First Level Reviewer: chumongkolratn Date: 26-Oct-2021 12:46:46

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.740	1.740	0.000	11576778	0.5000	0.5000	
2	1.932	1.932	0.000	11901407	0.5000	0.5000	
						RPD = 0.00	
15 PCB-1232							M
1	2.973	2.973	0.000	278116	0.5050	0.5457	
1	3.305	3.305	0.000	137339	0.5050	0.5065	
1	3.683	3.683	0.000	340373	0.5050	0.5357	
1	3.767	3.767	0.000	179467	0.5050	0.4900	
1	3.833	3.833	0.000	120910	0.5050	0.4771	
		Average of Peak Amounts =				0.5110	
2	3.130	3.130	0.000	270880	0.5050	0.5811	M
2	3.481	3.481	0.000	259379	0.5050	0.5558	M
2	3.832	3.832	0.000	316102	0.5050	0.5150	M
2	3.953	3.953	0.000	199153	0.5050	0.5282	M
2	4.351	4.351	0.000	170894	0.5050	0.5022	M
		Average of Peak Amounts =				0.5365	
						RPD = 4.86	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
7 PCB-1262							M
1	5.368	5.368	0.000	396118	0.5030	0.3478	
1	5.755	5.755	0.000	609264	0.5030	0.3837	
1	6.234	6.234	0.000	1274578	0.5030	0.4265	
1	6.655	6.655	0.000	502954	0.5030	0.4197	
1	6.722	6.722	0.000	527542	0.5030	0.4366	
		Average of Peak Amounts =				0.4029	
2	5.456	5.456	0.000	493478	0.5030	0.4443	M
2	5.876	5.876	0.000	755876	0.5030	0.4719	M
2	6.217	6.217	0.000	701069	0.5030	0.4674	M
2	6.394	6.394	0.000	1633686	0.5030	0.4837	M
2	6.848	6.848	0.000	642334	0.5030	0.4471	M
		Average of Peak Amounts =				0.4629	
						RPD = 13.87	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

32-62w/IS@0.5_00097 Amount Added: 1.00 Units: mL

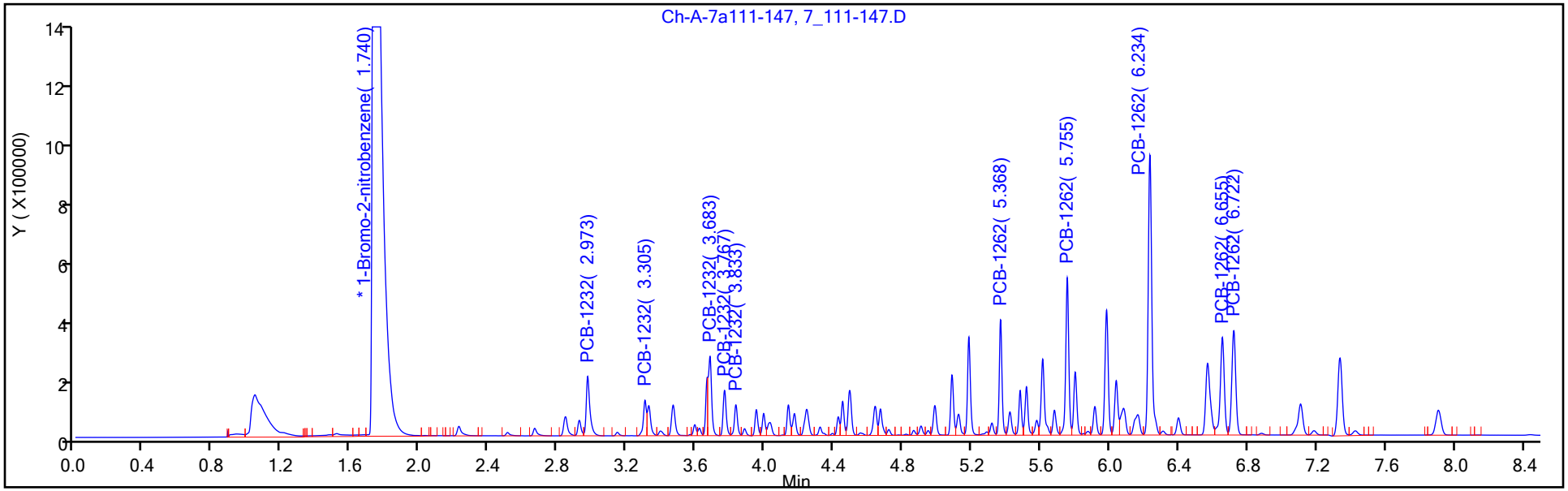
Report Date: 26-Oct-2021 12:46:47 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

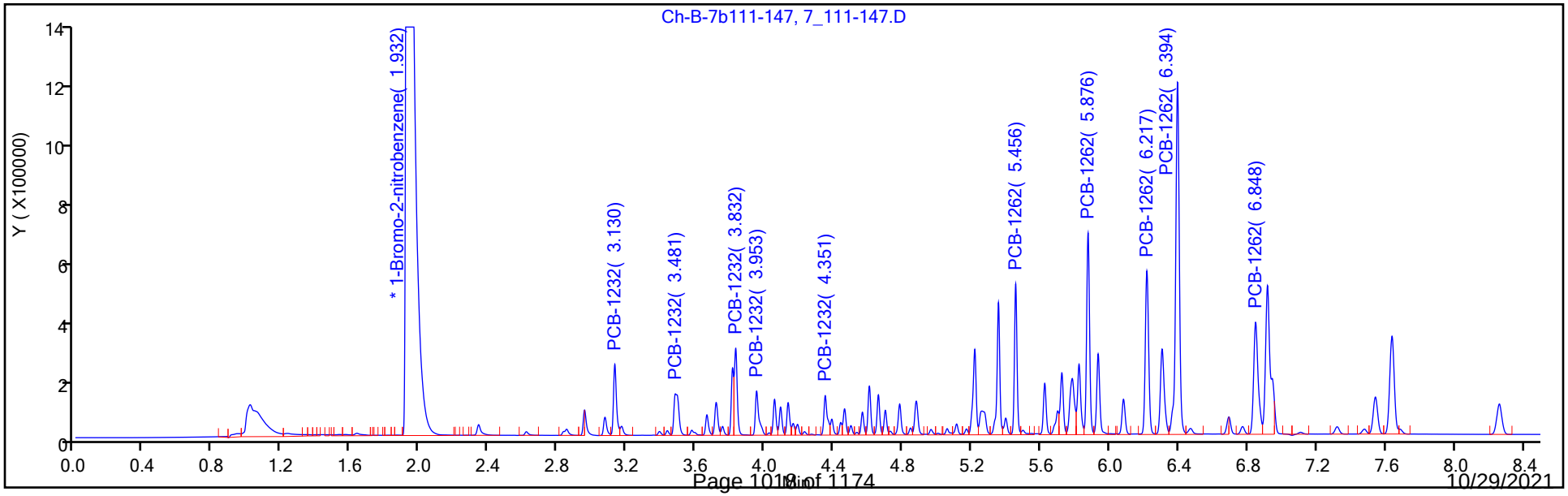
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-147.D

Injection Date:	25-Oct-2021 14:12:06	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 26-Oct-2021 12:46:47 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-147.D

Injection Date: 25-Oct-2021 14:12:06 Instrument ID: HP6890-7

Lims ID: CCV

Client ID:

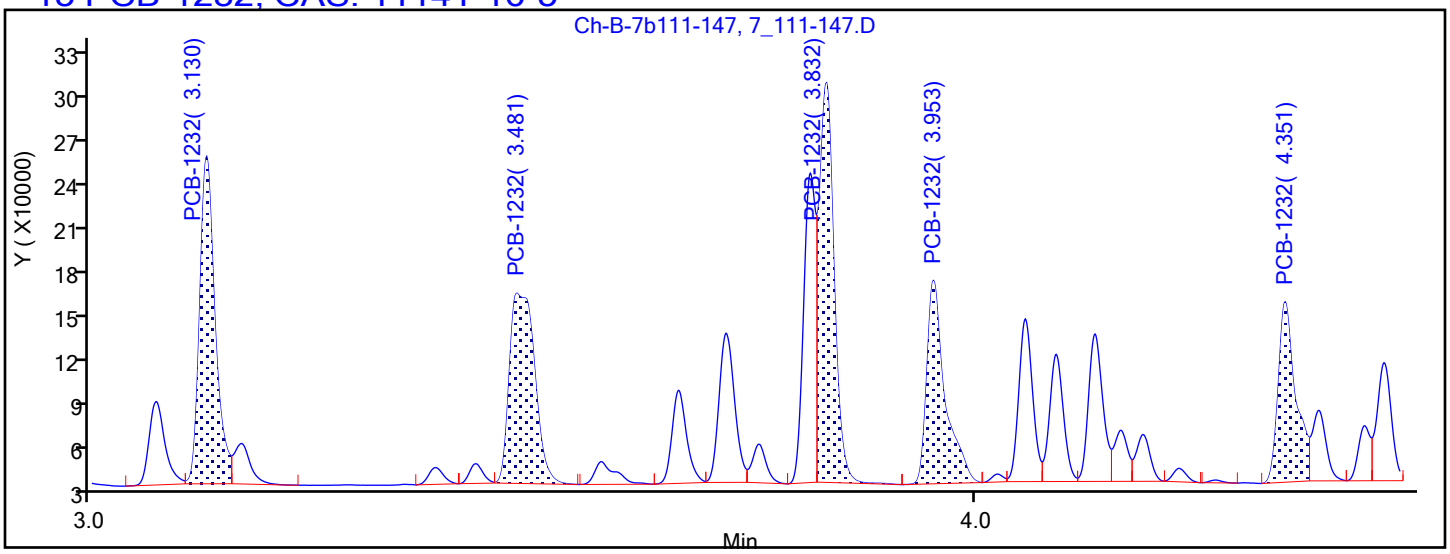
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 8

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

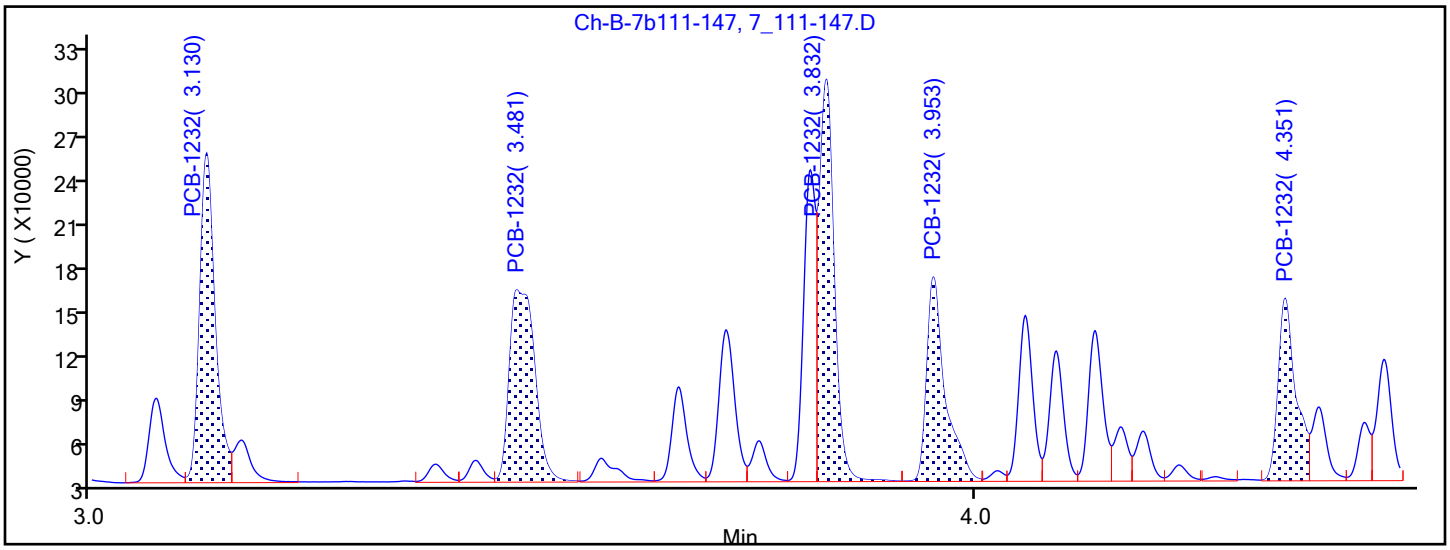
Column: ZB-35 (0.53 mm) Detector Ch-B-7b136

15 PCB-1232, CAS: 11141-16-5



Processing Integration Results

3.130	Response = 266050
3.481	Response = 252779
3.832	Response = 310036
3.953	Response = 194706
4.351	Response = 166501



Manual Integration Results

3.130	Response = 270880	M
3.481	Response = 259379	M
3.832	Response = 316102	M
3.953	Response = 199153	M
4.351	Response = 170894	M

Reviewer: clarkda, 25-Oct-2021 14:46:41

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 26-Oct-2021 12:46:47 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-147.D

Injection Date: 25-Oct-2021 14:12:06 Instrument ID: HP6890-7

Lims ID: CCV

Client ID:

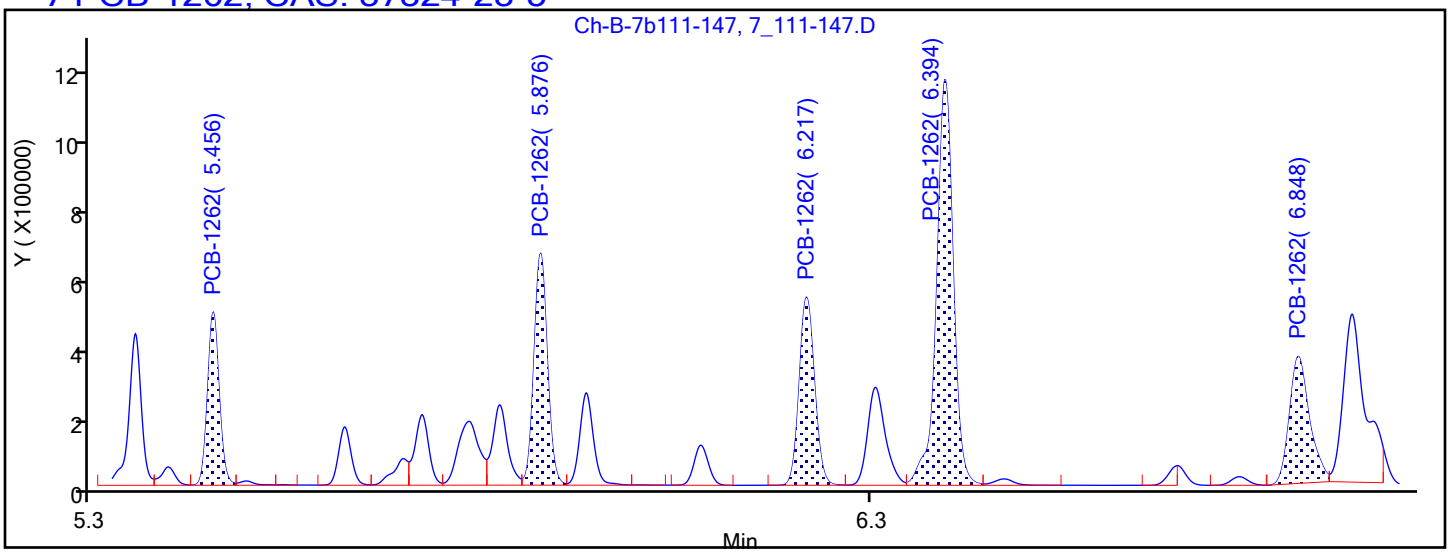
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 8

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

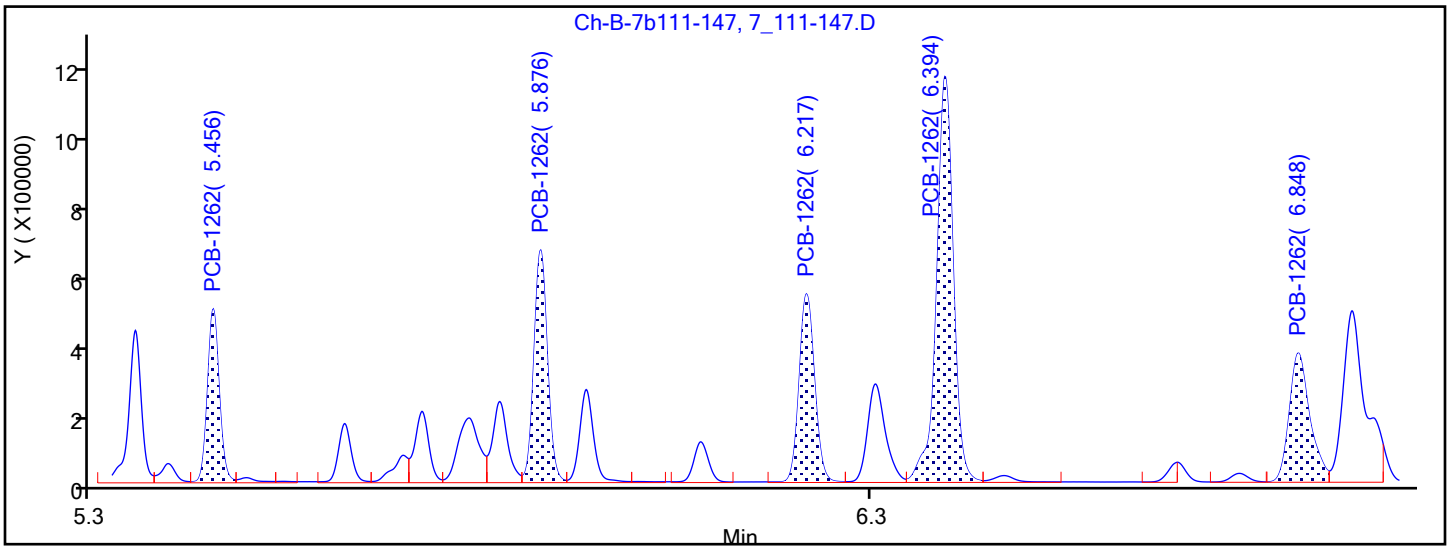
Column: ZB-35 (0.53 mm) Detector Ch-B-7b136

7 PCB-1262, CAS: 37324-23-5



Processing Integration Results

5.456	Response = 485248
5.876	Response = 748125
6.217	Response = 691416
6.394	Response = 1625647
6.848	Response = 614208



Manual Integration Results

5.456	Response = 493478	M
5.876	Response = 755876	M
6.217	Response = 701069	M
6.394	Response = 1633686	M
6.848	Response = 642334	M

Reviewer: clarkda, 25-Oct-2021 14:46:41

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: CCV 480-601894/9 Calibration Date: 10/25/2021 14:24

Instrument ID: HP6890-7 Calib Start Date: 05/14/2021 23:31

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/15/2021 00:03

Lab File ID: 7_111-148.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Lin1		0.0180		0.577	0.500	15.3	20.0
PCB-1242 Peak 2	Lin1		0.0210		0.536	0.500	7.2	20.0
PCB-1242 Peak 3	Lin2		0.0504		0.511	0.500	2.2	20.0
PCB-1242 Peak 4	Lin1		0.0295		0.532	0.500	6.4	20.0
PCB-1242 Peak 5	Lin1		0.0200		0.479	0.500	-4.3	20.0
PCB-1268 Peak 1	Lin2		0.1479		0.497	0.500	-0.6	20.0
PCB-1268 Peak 2	Lin2		0.1309		0.482	0.500	-3.5	20.0
PCB-1268 Peak 3	Lin2		0.1040		0.432	0.500	-13.5	20.0
PCB-1268 Peak 4	Lin1		0.0456		0.434	0.500	-13.2	20.0
PCB-1268 Peak 5	Ave	0.4023	0.3794		0.472	0.500	-5.7	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: CCV 480-601894/9 Calibration Date: 10/25/2021 14:24

Instrument ID: HP6890-7 Calib Start Date: 05/14/2021 23:31

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/15/2021 00:03

Lab File ID: 7_111-148.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1242 Peak 1	2.97	2.94	3.00
PCB-1242 Peak 2	3.31	3.28	3.34
PCB-1242 Peak 3	3.68	3.65	3.71
PCB-1242 Peak 4	3.77	3.74	3.80
PCB-1242 Peak 5	4.14	4.11	4.17
PCB-1268 Peak 1	6.66	6.63	6.69
PCB-1268 Peak 2	6.72	6.69	6.75
PCB-1268 Peak 3	7.08	7.05	7.11
PCB-1268 Peak 4	7.34	7.31	7.37
PCB-1268 Peak 5	7.91	7.88	7.94

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-148.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 25-Oct-2021 14:24:56 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub9

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 26-Oct-2021 12:47:13 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1634

First Level Reviewer: chumongkolratn Date: 26-Oct-2021 12:47:13

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.740	1.740	0.000	9897623	0.5000	0.5000	
2	1.933	1.933	0.000	9641230	0.5000	0.5000	
						RPD = 0.00	
14 PCB-1242							M
1	2.973	2.973	0.000	177799	0.5000	0.5765	
1	3.305	3.305	0.000	207576	0.5000	0.5362	
1	3.681	3.681	0.000	499012	0.5000	0.5110	M
1	3.767	3.767	0.000	292355	0.5000	0.5319	
1	4.137	4.137	0.000	198395	0.5000	0.4785	
		Average of Peak Amounts =				0.5268	
2	3.130	3.130	0.000	178563	0.5000	0.6372	M
2	3.481	3.481	0.000	285683	0.5000	0.4574	
2	3.831	3.831	0.000	409761	0.5000	0.4652	
2	3.953	3.953	0.000	322334	0.5000	0.5884	
2	4.352	4.352	0.000	272683	0.5000	0.5057	
		Average of Peak Amounts =				0.5308	
						RPD = 0.74	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
9 PCB-1268							
1	6.655	6.655	0.000	1464224	0.5000	0.4971	
1	6.719	6.719	0.000	1295971	0.5000	0.4823	
1	7.082	7.082	0.000	1029125	0.5000	0.4323	
1	7.336	7.336	0.000	451146	0.5000	0.4342	
1	7.908	7.908	0.000	3755624	0.5000	0.4717	
		Average of Peak Amounts =				0.4635	
2	6.848	6.848	0.000	1600067	0.5000	0.5335	
2	6.913	6.913	0.000	1544971	0.5000	0.5455	
2	7.321	7.321	0.000	1449559	0.5000	0.5909	
2	7.638	7.638	0.000	560339	0.5000	0.5462	
2	8.260	8.260	0.000	4739844	0.5000	0.5914	
		Average of Peak Amounts =				0.5615	
						RPD = 19.12	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

42-68w/IS@0.5_00098 Amount Added: 1.00 Units: mL

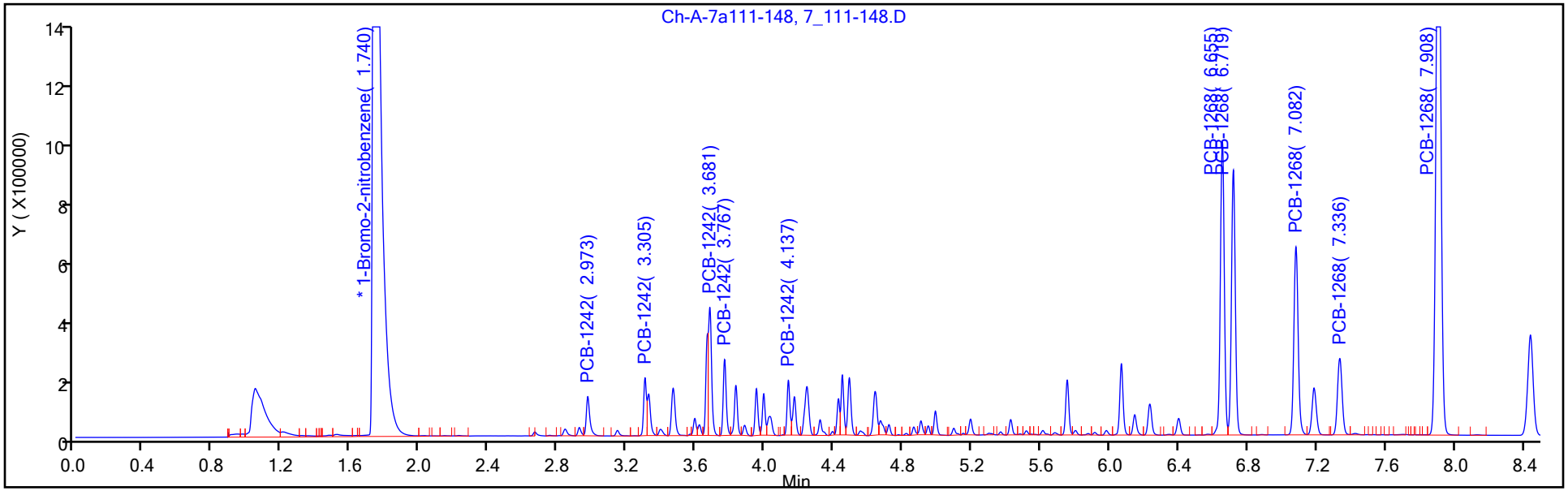
Report Date: 26-Oct-2021 12:47:13 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

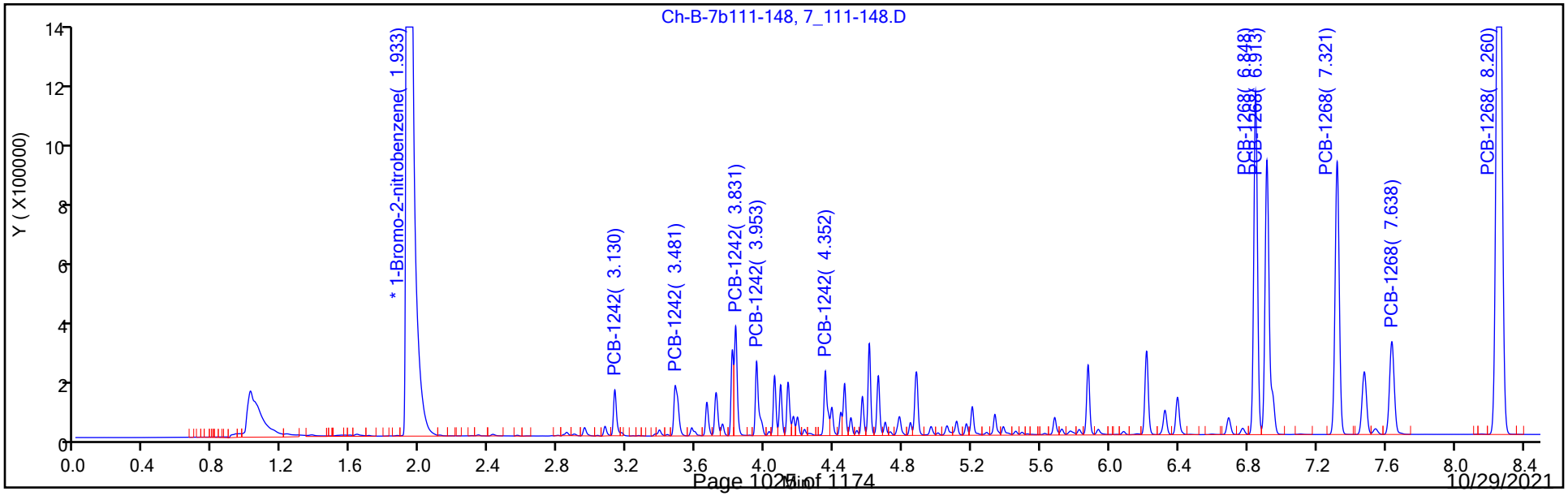
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-148.D

Injection Date:	25-Oct-2021 14:24:56	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value

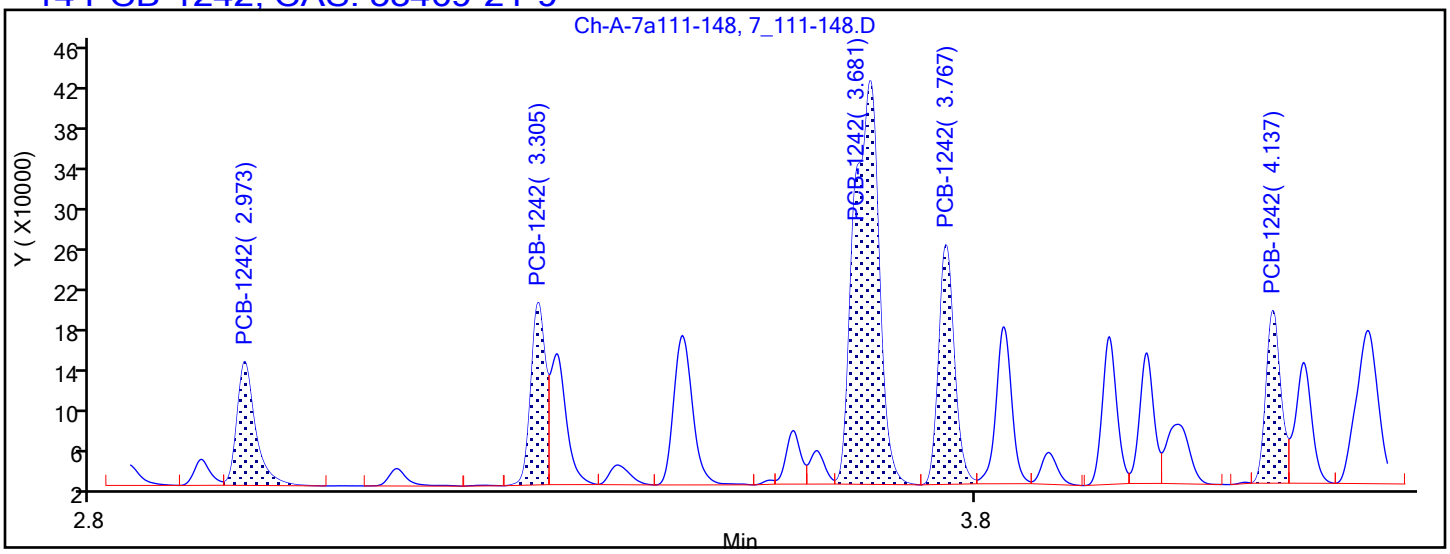


Report Date: 26-Oct-2021 12:47:14 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

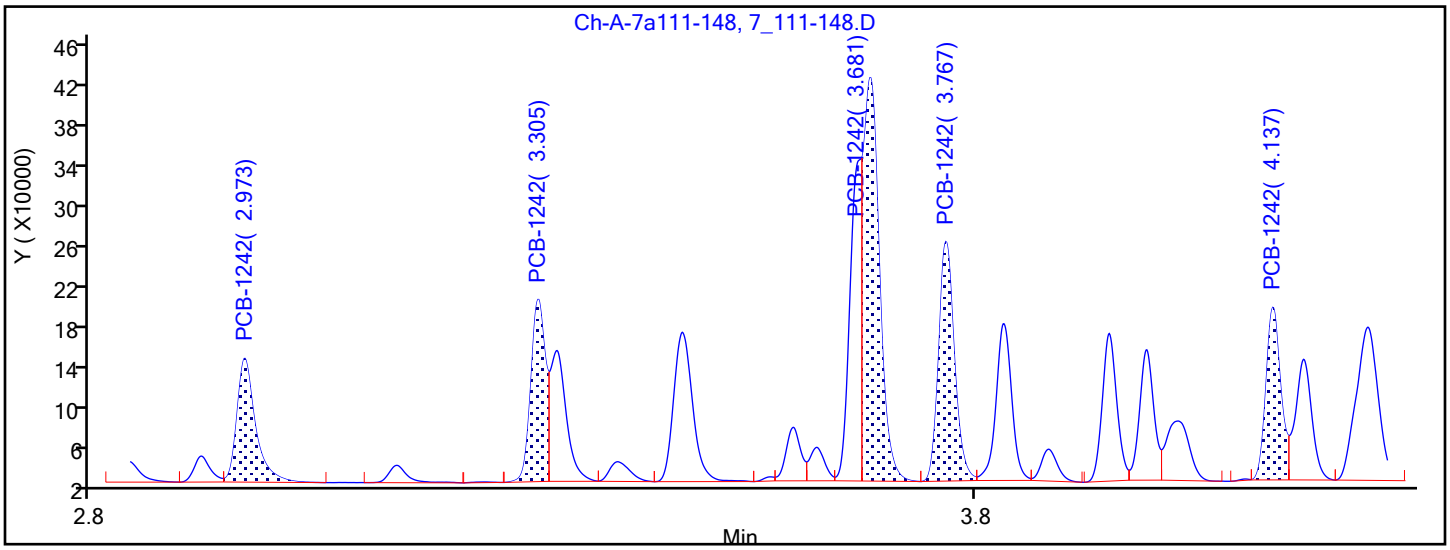
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-148.D
Injection Date: 25-Oct-2021 14:24:56 Instrument ID: HP6890-7
Lims ID: CCV
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL
Column: ZB-5 (0.53 mm) Detector Ch-A-7A136

14 PCB-1242, CAS: 53469-21-9



Processing Integration Results

2.973	Response = 177799
3.305	Response = 207576
3.681	Response = 784063
3.767	Response = 292355
4.137	Response = 198395



Manual Integration Results

2.973	Response = 177799	
3.305	Response = 207576	
3.681	Response = 499012	M
3.767	Response = 292355	
4.137	Response = 198395	

Reviewer: clarkda, 25-Oct-2021 14:47:59
Audit Action: Split an Integrated Peak Audit Reason: Shouldering

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: CCV 480-601894/9 Calibration Date: 10/25/2021 14:24

Instrument ID: HP6890-7 Calib Start Date: 05/14/2021 23:31

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/15/2021 00:03

Lab File ID: 7_111-148.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Lin1		0.0185		0.637	0.500	27.4*	20.0
PCB-1242 Peak 2	Lin1		0.0296		0.457	0.500	-8.5	20.0
PCB-1242 Peak 3	Lin2		0.0425		0.465	0.500	-7.0	20.0
PCB-1242 Peak 4	Lin2		0.0334		0.588	0.500	17.7	20.0
PCB-1242 Peak 5	Lin2		0.0283		0.506	0.500	1.1	20.0
PCB-1268 Peak 1	Lin2		0.1660		0.533	0.500	6.7	20.0
PCB-1268 Peak 2	Lin2		0.1602		0.546	0.500	9.1	20.0
PCB-1268 Peak 3	Lin2		0.1504		0.591	0.500	18.2	20.0
PCB-1268 Peak 4	Lin2		0.0581		0.546	0.500	9.2	20.0
PCB-1268 Peak 5	Lin2		0.4916		0.591	0.500	18.3	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: CCV 480-601894/9 Calibration Date: 10/25/2021 14:24

Instrument ID: HP6890-7 Calib Start Date: 05/14/2021 23:31

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/15/2021 00:03

Lab File ID: 7_111-148.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1242 Peak 1	3.13	3.10	3.16
PCB-1242 Peak 2	3.48	3.45	3.51
PCB-1242 Peak 3	3.83	3.80	3.86
PCB-1242 Peak 4	3.95	3.92	3.98
PCB-1242 Peak 5	4.35	4.32	4.38
PCB-1268 Peak 1	6.85	6.82	6.88
PCB-1268 Peak 2	6.91	6.88	6.94
PCB-1268 Peak 3	7.32	7.29	7.35
PCB-1268 Peak 4	7.64	7.61	7.67
PCB-1268 Peak 5	8.26	8.23	8.29

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-148.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 25-Oct-2021 14:24:56 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub9

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 26-Oct-2021 12:47:13 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1634

First Level Reviewer: chumongkolratn Date: 26-Oct-2021 12:47:13

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.740	1.740	0.000	9897623	0.5000	0.5000	
2	1.933	1.933	0.000	9641230	0.5000	0.5000	
						RPD = 0.00	
14 PCB-1242							M
1	2.973	2.973	0.000	177799	0.5000	0.5765	
1	3.305	3.305	0.000	207576	0.5000	0.5362	
1	3.681	3.681	0.000	499012	0.5000	0.5110	M
1	3.767	3.767	0.000	292355	0.5000	0.5319	
1	4.137	4.137	0.000	198395	0.5000	0.4785	
		Average of Peak Amounts =				0.5268	
2	3.130	3.130	0.000	178563	0.5000	0.6372	M
2	3.481	3.481	0.000	285683	0.5000	0.4574	
2	3.831	3.831	0.000	409761	0.5000	0.4652	
2	3.953	3.953	0.000	322334	0.5000	0.5884	
2	4.352	4.352	0.000	272683	0.5000	0.5057	
		Average of Peak Amounts =				0.5308	
						RPD = 0.74	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
9 PCB-1268							
1	6.655	6.655	0.000	1464224	0.5000	0.4971	
1	6.719	6.719	0.000	1295971	0.5000	0.4823	
1	7.082	7.082	0.000	1029125	0.5000	0.4323	
1	7.336	7.336	0.000	451146	0.5000	0.4342	
1	7.908	7.908	0.000	3755624	0.5000	0.4717	
		Average of Peak Amounts =				0.4635	
2	6.848	6.848	0.000	1600067	0.5000	0.5335	
2	6.913	6.913	0.000	1544971	0.5000	0.5455	
2	7.321	7.321	0.000	1449559	0.5000	0.5909	
2	7.638	7.638	0.000	560339	0.5000	0.5462	
2	8.260	8.260	0.000	4739844	0.5000	0.5914	
		Average of Peak Amounts =				0.5615	
						RPD = 19.12	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

42-68w/IS@0.5_00098 Amount Added: 1.00 Units: mL

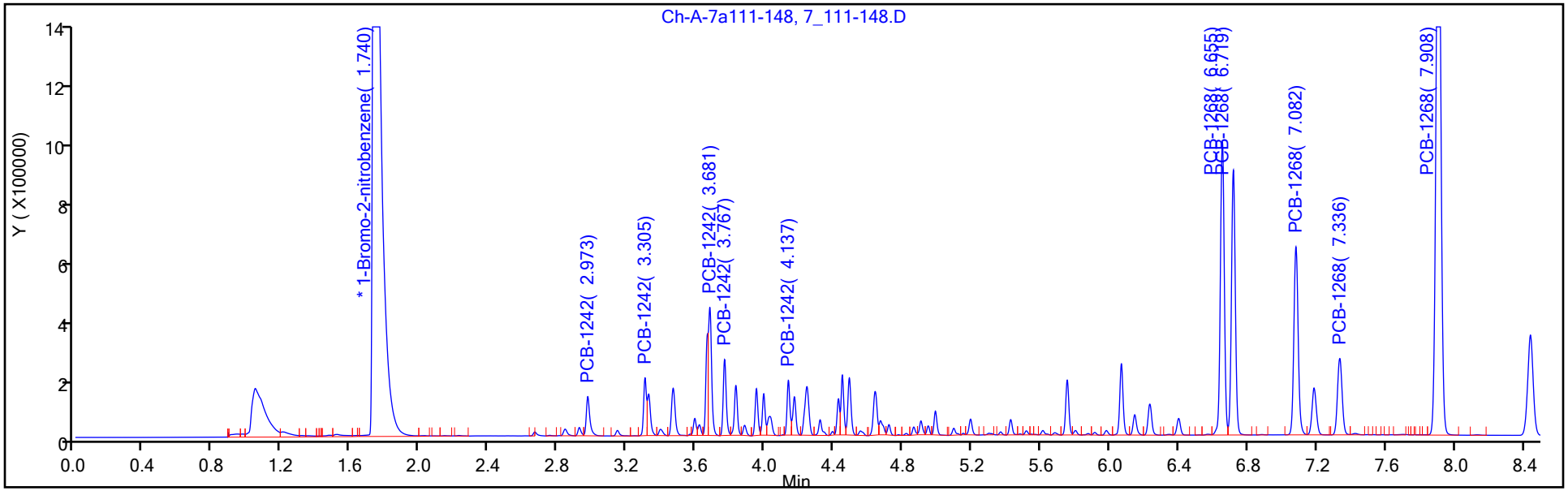
Report Date: 26-Oct-2021 12:47:14 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

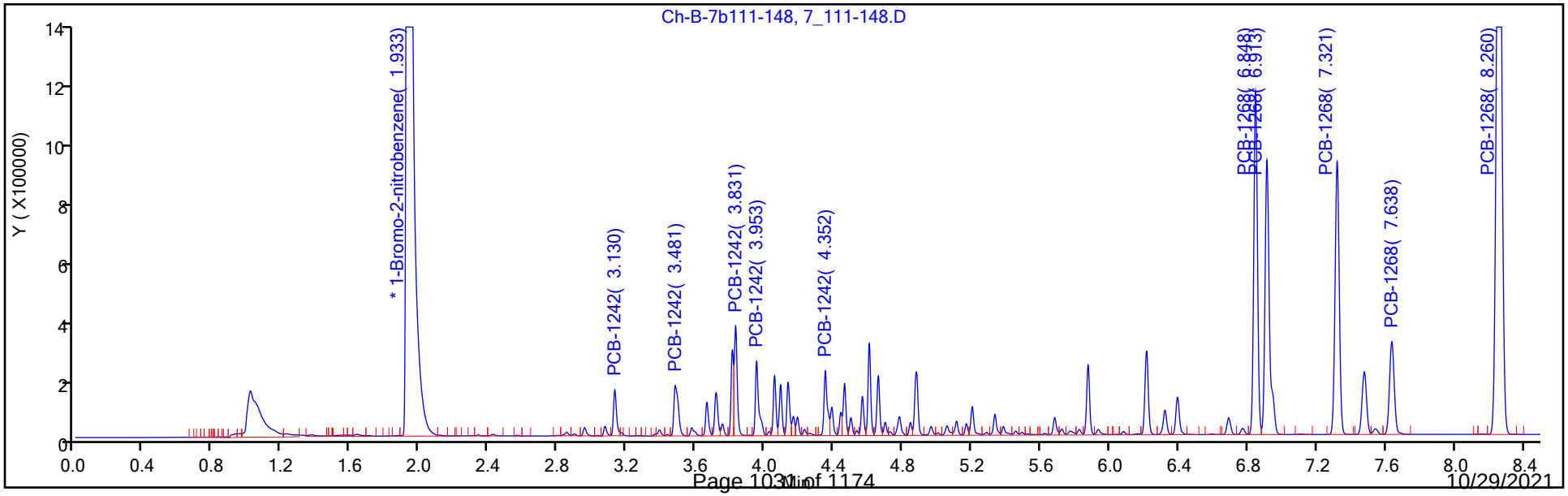
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-148.D

Injection Date:	25-Oct-2021 14:24:56	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value

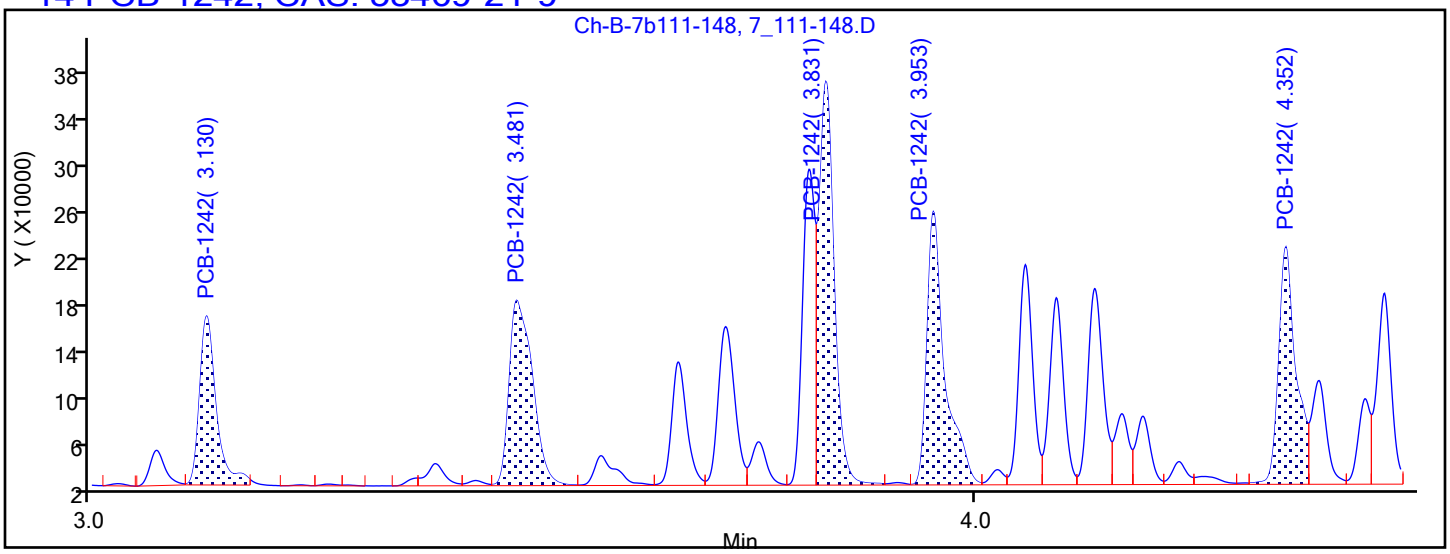


Report Date: 26-Oct-2021 12:47:14 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

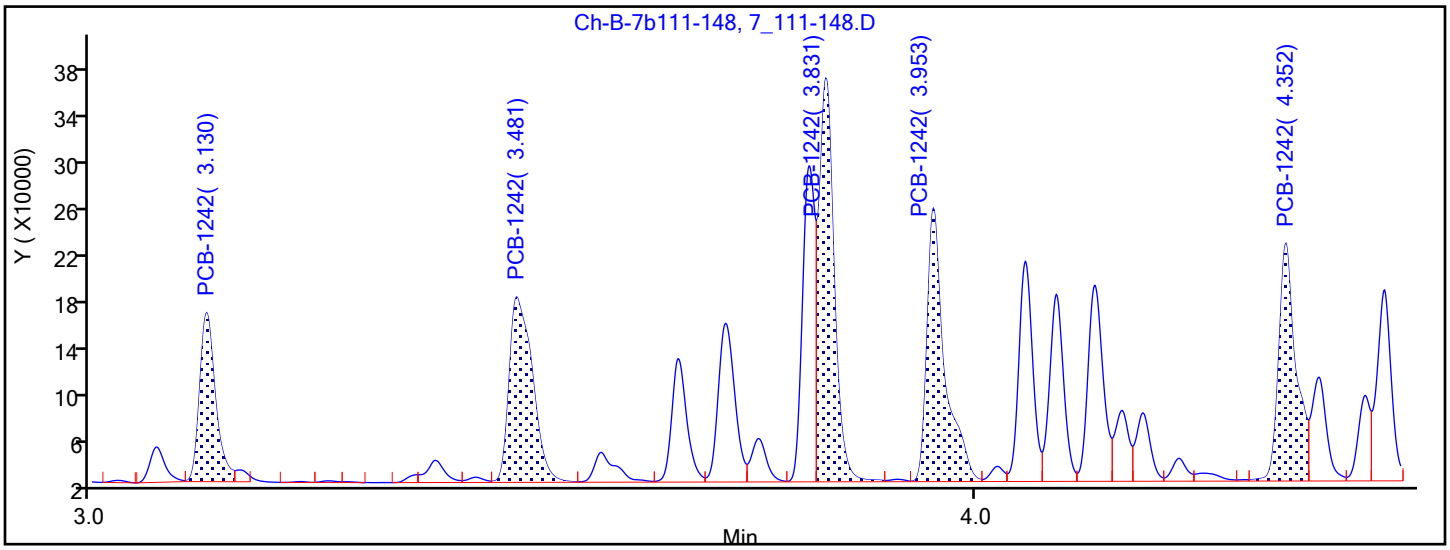
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-148.D
Injection Date: 25-Oct-2021 14:24:56 Instrument ID: HP6890-7
Lims ID: CCV
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL
Column: ZB-35 (0.53 mm) Detector Ch-B-7b136

14 PCB-1242, CAS: 53469-21-9



Processing Integration Results

3.130	Response = 187639
3.481	Response = 285683
3.831	Response = 409761
3.953	Response = 322334
4.352	Response = 272683



Manual Integration Results

3.130	Response = 178563	M
3.481	Response = 285683	
3.831	Response = 409761	
3.953	Response = 322334	
4.352	Response = 272683	

Reviewer: clarkda, 25-Oct-2021 14:48:46
Audit Action: Split an Integrated Peak Audit Reason: Shouldering

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: CCV 480-601894/10 Calibration Date: 10/25/2021 14:37

Instrument ID: HP6890-7 Calib Start Date: 05/15/2021 00:35

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/15/2021 01:06

Lab File ID: 7_111-149.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Lin2		0.0290		0.478	0.505	-5.3	20.0
PCB-1248 Peak 2	Lin2		0.0334		0.470	0.505	-6.9	20.0
PCB-1248 Peak 3	Lin2		0.0462		0.435	0.505	-13.7	20.0
PCB-1248 Peak 4	Lin1		0.0365		0.419	0.505	-17.0	20.0
PCB-1248 Peak 5	Lin1		0.0220		0.422	0.505	-16.4	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: CCV 480-601894/10 Calibration Date: 10/25/2021 14:37

Instrument ID: HP6890-7 Calib Start Date: 05/15/2021 00:35

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/15/2021 01:06

Lab File ID: 7_111-149.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	3.95	3.92	3.98
PCB-1248 Peak 2	4.14	4.11	4.17
PCB-1248 Peak 3	4.49	4.46	4.52
PCB-1248 Peak 4	4.64	4.61	4.67
PCB-1248 Peak 5	4.99	4.96	5.02

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-149.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 25-Oct-2021 14:37:46 ALS Bottle#: 0 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub10

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 26-Oct-2021 12:47:40 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1634

First Level Reviewer: chumongkolratn Date: 26-Oct-2021 12:47:40

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.738	1.738	0.000	10714494	0.5000	0.5000	
2	1.932	1.932	0.000	11018824	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1248							
1	3.951	3.951	0.000	313266	0.5045	0.4776	
1	4.136	4.136	0.000	361527	0.5045	0.4696	
1	4.490	4.490	0.000	499337	0.5045	0.4353	
1	4.640	4.640	0.000	394239	0.5045	0.4186	
1	4.989	4.989	0.000	237998	0.5045	0.4218	
		Average of Peak Amounts =				0.4446	
2	4.092	4.092	0.000	348183	0.5045	0.5384	
2	4.351	4.351	0.000	439227	0.5045	0.5035	
2	4.607	4.607	0.000	605899	0.5045	0.5318	
2	4.878	4.878	0.000	451386	0.5045	0.5173	
2	5.203	5.203	0.000	293004	0.5045	0.5233	
		Average of Peak Amounts =				0.5229	
						RPD = 16.18	

QC Flag Legend
Processing Flags

Reagents:
1248w/IS@ 0.5_00095 Amount Added: 1.00 Units: mL

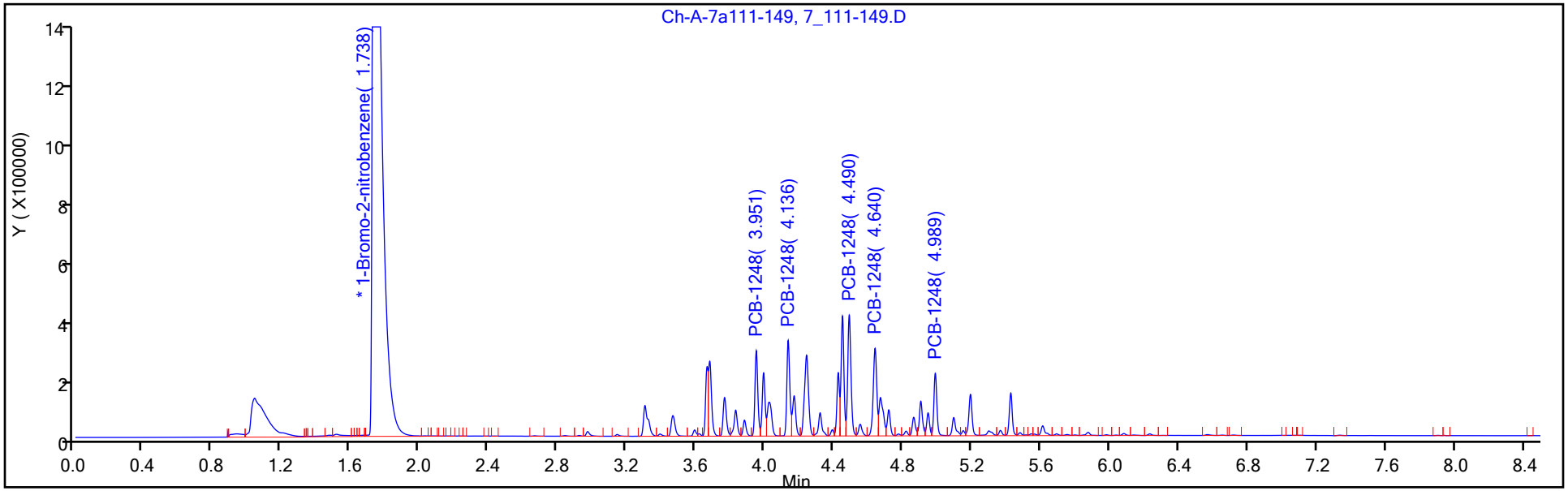
Report Date: 26-Oct-2021 12:47:40 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

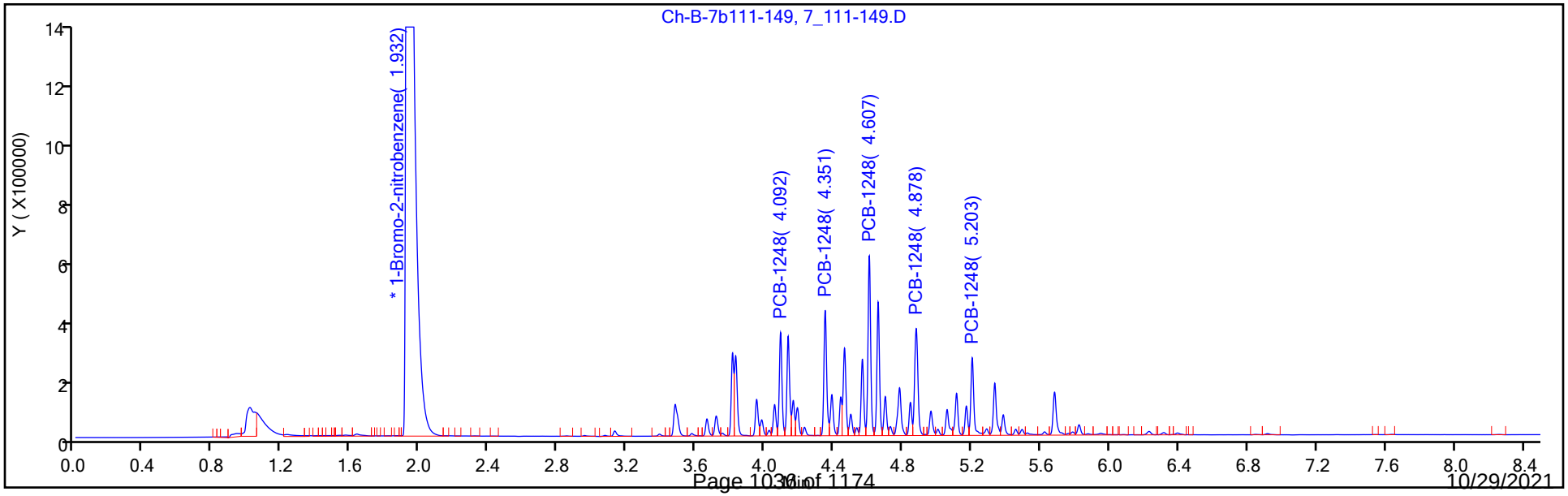
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-149.D

Injection Date:	25-Oct-2021 14:37:46	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: CCV 480-601894/10 Calibration Date: 10/25/2021 14:37

Instrument ID: HP6890-7 Calib Start Date: 05/15/2021 00:35

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/15/2021 01:06

Lab File ID: 7_111-149.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Lin2		0.0313		0.538	0.505	6.7	20.0
PCB-1248 Peak 2	Lin2		0.0395		0.503	0.505	-0.2	20.0
PCB-1248 Peak 3	Lin2		0.0545		0.532	0.505	5.4	20.0
PCB-1248 Peak 4	Lin2		0.0406		0.517	0.505	2.5	20.0
PCB-1248 Peak 5	Lin2		0.0264		0.523	0.505	3.7	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: CCV 480-601894/10 Calibration Date: 10/25/2021 14:37

Instrument ID: HP6890-7 Calib Start Date: 05/15/2021 00:35

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/15/2021 01:06

Lab File ID: 7_111-149.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	4.09	4.06	4.12
PCB-1248 Peak 2	4.35	4.32	4.38
PCB-1248 Peak 3	4.61	4.58	4.64
PCB-1248 Peak 4	4.88	4.85	4.91
PCB-1248 Peak 5	5.20	5.17	5.23

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-149.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 25-Oct-2021 14:37:46 ALS Bottle#: 0 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub10

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 26-Oct-2021 12:47:40 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1634

First Level Reviewer: chumongkolratn Date: 26-Oct-2021 12:47:40

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.738	1.738	0.000	10714494	0.5000	0.5000	
2	1.932	1.932	0.000	11018824	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1248							
1	3.951	3.951	0.000	313266	0.5045	0.4776	
1	4.136	4.136	0.000	361527	0.5045	0.4696	
1	4.490	4.490	0.000	499337	0.5045	0.4353	
1	4.640	4.640	0.000	394239	0.5045	0.4186	
1	4.989	4.989	0.000	237998	0.5045	0.4218	
		Average of Peak Amounts =				0.4446	
2	4.092	4.092	0.000	348183	0.5045	0.5384	
2	4.351	4.351	0.000	439227	0.5045	0.5035	
2	4.607	4.607	0.000	605899	0.5045	0.5318	
2	4.878	4.878	0.000	451386	0.5045	0.5173	
2	5.203	5.203	0.000	293004	0.5045	0.5233	
		Average of Peak Amounts =				0.5229	
						RPD = 16.18	

QC Flag Legend
Processing Flags

Reagents:
1248w/IS@ 0.5_00095 Amount Added: 1.00 Units: mL

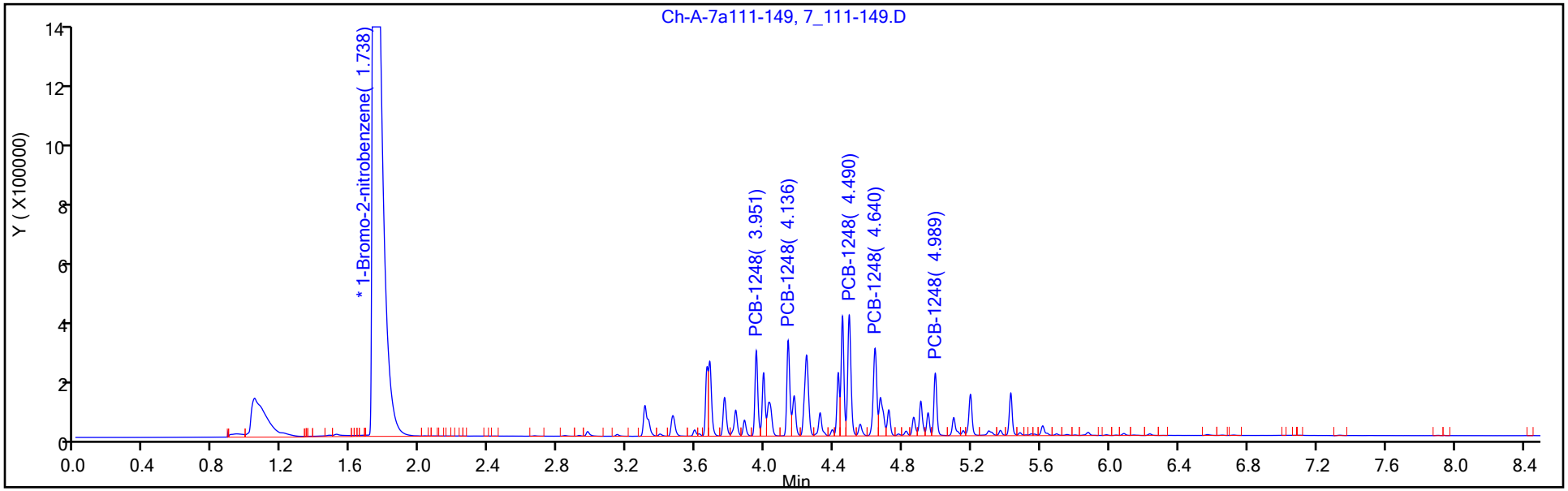
Report Date: 26-Oct-2021 12:47:41 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

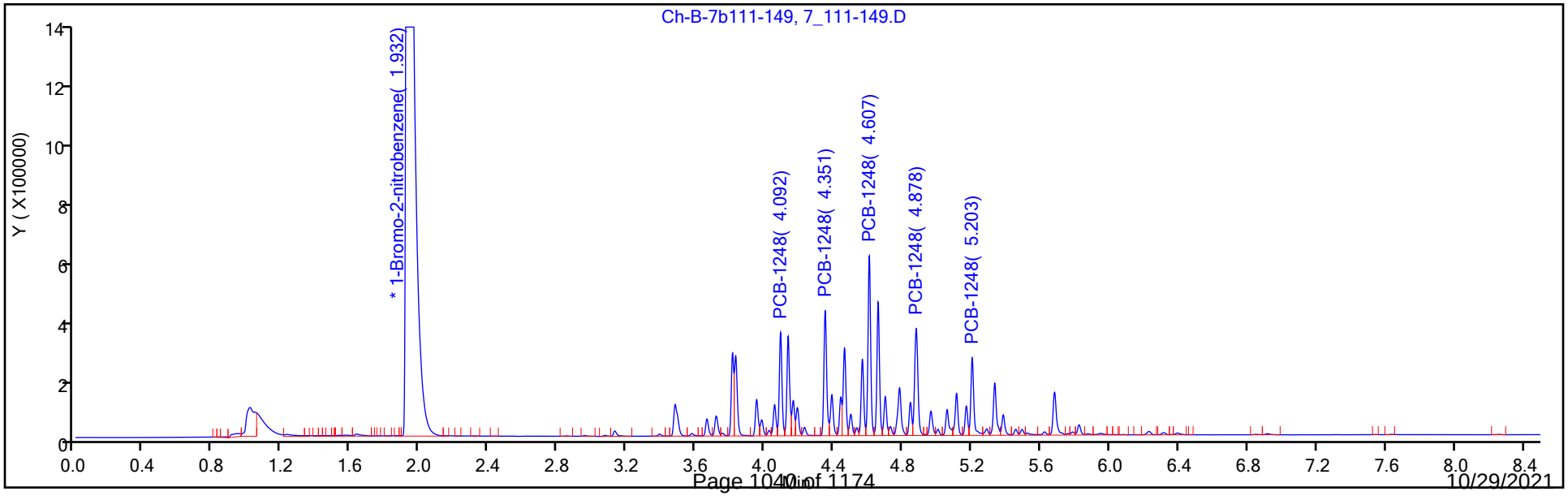
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-149.D

Injection Date:	25-Oct-2021 14:37:46	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: CCV 480-601894/32 Calibration Date: 10/25/2021 19:20

Instrument ID: HP6890-7 Calib Start Date: 05/14/2021 18:14

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/14/2021 19:50

Lab File ID: 7_111-171.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin2		0.0211		0.513	0.504	1.9	20.0
PCB-1016 Peak 2	Lin2		0.0257		0.477	0.504	-5.3	20.0
PCB-1016 Peak 3	Lin2		0.0672		0.504	0.504	0.2	20.0
PCB-1016 Peak 4	Lin1		0.0379		0.523	0.504	3.8	20.0
PCB-1016 Peak 5	Lin2		0.0266		0.478	0.504	-5.2	20.0
PCB-1260 Peak 1	Lin2		0.0533		0.499	0.504	-0.9	20.0
PCB-1260 Peak 2	Lin1		0.0596		0.499	0.504	-0.9	20.0
PCB-1260 Peak 3	Lin2		0.0719		0.477	0.504	-5.4	20.0
PCB-1260 Peak 4	Lin2		0.0435		0.458	0.504	-9.2	20.0
PCB-1260 Peak 5	Lin1		0.0858		0.371	0.504	-26.3*	20.0
Tetrachloro-m-xylene	Lin1		1.331		0.0130	0.0125	3.6	20.0
DCB Decachlorobiphenyl	Lin2		0.9583		0.0118	0.0125	-5.4	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: CCV 480-601894/32 Calibration Date: 10/25/2021 19:20

Instrument ID: HP6890-7 Calib Start Date: 05/14/2021 18:14

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/14/2021 19:50

Lab File ID: 7_111-171.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.97	2.94	3.00
PCB-1016 Peak 2	3.31	3.28	3.34
PCB-1016 Peak 3	3.68	3.65	3.71
PCB-1016 Peak 4	3.77	3.74	3.80
PCB-1016 Peak 5	4.14	4.11	4.17
PCB-1260 Peak 1	5.19	5.16	5.22
PCB-1260 Peak 2	5.37	5.34	5.40
PCB-1260 Peak 3	5.61	5.58	5.64
PCB-1260 Peak 4	5.76	5.73	5.79
PCB-1260 Peak 5	6.23	6.20	6.26
Tetrachloro-m-xylene	2.71	2.67	2.73
DCB Decachlorobiphenyl	8.45	8.41	8.47

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-171.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 25-Oct-2021 19:20:35 ALS Bottle#: 0 Worklist Smp#: 32
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 26-Oct-2021 13:18:36 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1634

First Level Reviewer: chumongkolratn Date: 26-Oct-2021 13:18:36

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.739	1.738	0.001	9987700	0.5000	0.5000	
2	1.933	1.932	0.000	10190237	0.5000	0.5000	
						RPD = 0.00	
$ 3 Tetrachloro-m-xylene							
1	2.705	2.704	0.001	332403	0.0125	0.0130	
2	2.685	2.683	0.003	379756	0.0125	0.0142	
						RPD = 9.31	
4 PCB-1016							
1	2.974	2.973	0.001	212271	0.5035	0.5130	
1	3.307	3.305	0.002	258208	0.5035	0.4766	
1	3.683	3.683	0.000	675777	0.5035	0.5045	
1	3.768	3.768	0.000	380737	0.5035	0.5227	
1	4.138	4.138	0.000	267497	0.5035	0.4776	
		Average of Peak Amounts =				0.4989	
2	3.131	3.129	0.002	221674	0.5035	0.5675	
2	3.482	3.481	0.001	499433	0.5035	0.5687	
2	3.832	3.830	0.002	730483	0.5035	0.5768	
2	3.953	3.952	0.001	440581	0.5035	0.5428	
2	4.351	4.349	0.002	316754	0.5035	0.4819	
		Average of Peak Amounts =				0.5476	
						RPD = 9.30	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
8 PCB-1260							
1	5.185	5.185	0.000	536918	0.5040	0.4993	
1	5.368	5.368	0.000	600215	0.5040	0.4993	
1	5.613	5.613	-0.001	723950	0.5040	0.4768	
1	5.755	5.755	0.000	438250	0.5040	0.4577	
1	6.234	6.234	0.000	863556	0.5040	0.3715	
		Average of Peak Amounts =				0.4609	
2	5.355	5.354	0.001	652989	0.5040	0.5857	
2	5.456	5.456	0.000	735084	0.5040	0.5855	
2	5.823	5.823	0.001	654671	0.5040	0.5611	
2	6.218	6.218	0.000	641932	0.5040	0.5800	
2	6.396	6.394	0.002	1443119	0.5040	0.5313	
		Average of Peak Amounts =				0.5687	
						RPD = 20.94	
10 1260 Res 1							
1	6.571	6.570	0.001	532403	NC	NC	
2	6.218	6.218	0.000	641932	NC	NC	
11 1260 Res 2							
1	6.655	6.656	-0.001	253763	NC	NC	
2	6.303	6.304	-0.001	430225	NC	NC	
12 1260 Res 3							
1	6.722	6.723	-0.001	308092	NC	NC	
2	6.396	6.394	0.002	1443119	NC	NC	
$ 13 DCB Decachlorobiphenyl							
1	8.445	8.443	0.002	239269	0.0125	0.0118	
2	8.881	8.881	0.000	324219	0.0125	0.0146	
						RPD = 21.23	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

1660sur/is0.5_00158 Amount Added: 1.00 Units: mL

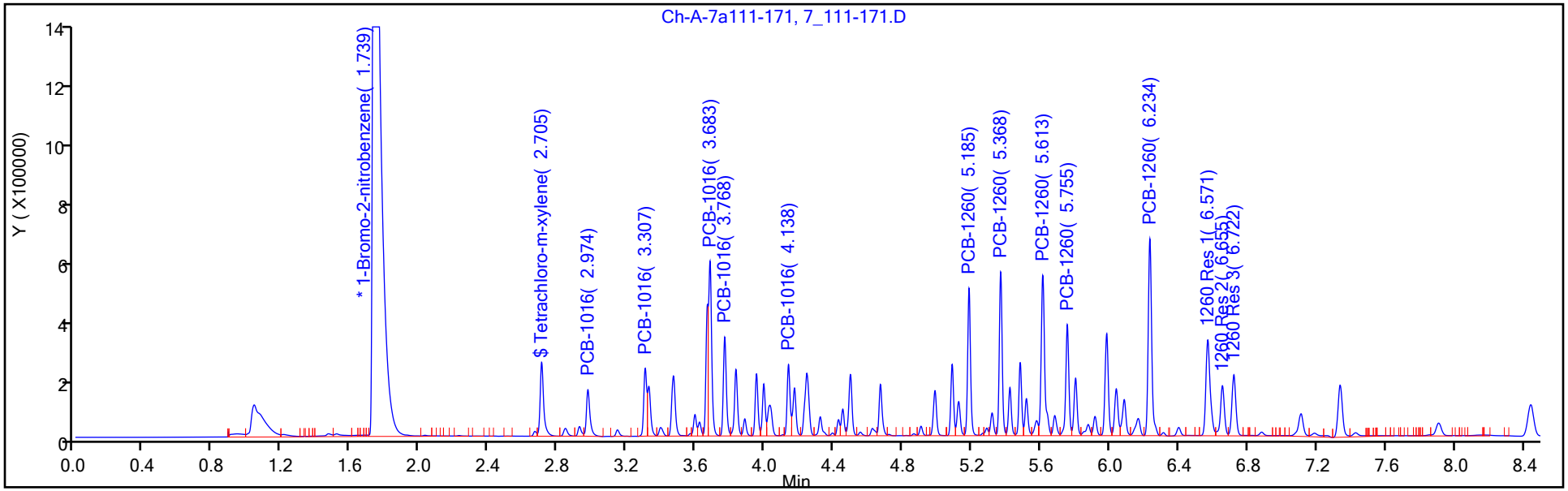
Report Date: 26-Oct-2021 13:18:36 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

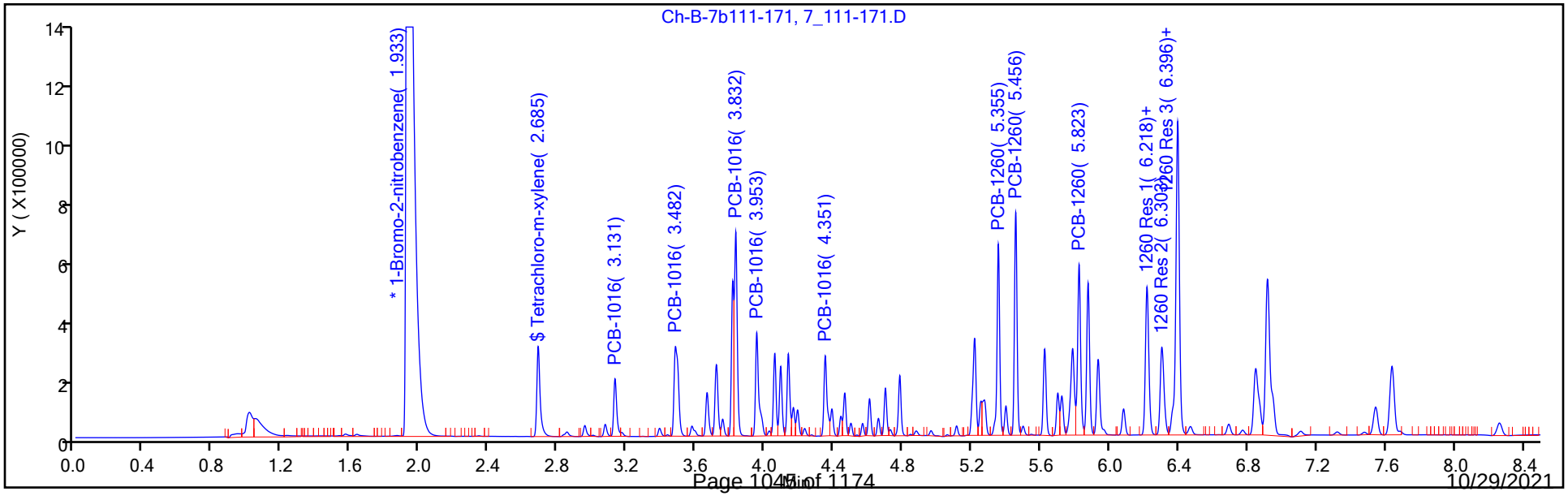
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-171.D

Injection Date:	25-Oct-2021 19:20:35	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	32
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: CCV 480-601894/32 Calibration Date: 10/25/2021 19:20

Instrument ID: HP6890-7 Calib Start Date: 05/14/2021 18:14

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/14/2021 19:50

Lab File ID: 7_111-171.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin2		0.0216		0.568	0.504	12.7	20.0
PCB-1016 Peak 2	Lin2		0.0487		0.569	0.504	12.9	20.0
PCB-1016 Peak 3	Lin2		0.0712		0.577	0.504	14.6	20.0
PCB-1016 Peak 4	Ave	0.0398	0.0429		0.543	0.504	7.8	20.0
PCB-1016 Peak 5	Lin1		0.0309		0.482	0.504	-4.3	20.0
PCB-1260 Peak 1	Lin1		0.0636		0.586	0.504	16.2	20.0
PCB-1260 Peak 2	Ave	0.0616	0.0716		0.586	0.504	16.2	20.0
PCB-1260 Peak 3	Lin1		0.0637		0.561	0.504	11.3	20.0
PCB-1260 Peak 4	Lin1		0.0625		0.580	0.504	15.1	20.0
PCB-1260 Peak 5	Lin2		0.1405		0.531	0.504	5.4	20.0
Tetrachloro-m-xylene	Lin2		1.491		0.0142	0.0125	13.7	20.0
DCB Decachlorobiphenyl	Lin2		1.273		0.0146	0.0125	17.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: CCV 480-601894/32 Calibration Date: 10/25/2021 19:20

Instrument ID: HP6890-7 Calib Start Date: 05/14/2021 18:14

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/14/2021 19:50

Lab File ID: 7_111-171.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	3.13	3.10	3.16
PCB-1016 Peak 2	3.48	3.45	3.51
PCB-1016 Peak 3	3.83	3.80	3.86
PCB-1016 Peak 4	3.95	3.92	3.98
PCB-1016 Peak 5	4.35	4.32	4.38
PCB-1260 Peak 1	5.36	5.32	5.38
PCB-1260 Peak 2	5.46	5.43	5.49
PCB-1260 Peak 3	5.82	5.79	5.85
PCB-1260 Peak 4	6.22	6.19	6.25
PCB-1260 Peak 5	6.40	6.36	6.42
Tetrachloro-m-xylene	2.69	2.65	2.71
DCB Decachlorobiphenyl	8.88	8.85	8.91

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-171.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 25-Oct-2021 19:20:35 ALS Bottle#: 0 Worklist Smp#: 32
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 26-Oct-2021 13:18:36 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1634

First Level Reviewer: chumongkolratn Date: 26-Oct-2021 13:18:36

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.739	1.738	0.001	9987700	0.5000	0.5000	
2	1.933	1.932	0.000	10190237	0.5000	0.5000	
						RPD = 0.00	
$ 3 Tetrachloro-m-xylene							
1	2.705	2.704	0.001	332403	0.0125	0.0130	
2	2.685	2.683	0.003	379756	0.0125	0.0142	
						RPD = 9.31	
4 PCB-1016							
1	2.974	2.973	0.001	212271	0.5035	0.5130	
1	3.307	3.305	0.002	258208	0.5035	0.4766	
1	3.683	3.683	0.000	675777	0.5035	0.5045	
1	3.768	3.768	0.000	380737	0.5035	0.5227	
1	4.138	4.138	0.000	267497	0.5035	0.4776	
		Average of Peak Amounts =				0.4989	
2	3.131	3.129	0.002	221674	0.5035	0.5675	
2	3.482	3.481	0.001	499433	0.5035	0.5687	
2	3.832	3.830	0.002	730483	0.5035	0.5768	
2	3.953	3.952	0.001	440581	0.5035	0.5428	
2	4.351	4.349	0.002	316754	0.5035	0.4819	
		Average of Peak Amounts =				0.5476	
						RPD = 9.30	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
8 PCB-1260							
1	5.185	5.185	0.000	536918	0.5040	0.4993	
1	5.368	5.368	0.000	600215	0.5040	0.4993	
1	5.613	5.613	-0.001	723950	0.5040	0.4768	
1	5.755	5.755	0.000	438250	0.5040	0.4577	
1	6.234	6.234	0.000	863556	0.5040	0.3715	
		Average of Peak Amounts =				0.4609	
2	5.355	5.354	0.001	652989	0.5040	0.5857	
2	5.456	5.456	0.000	735084	0.5040	0.5855	
2	5.823	5.823	0.001	654671	0.5040	0.5611	
2	6.218	6.218	0.000	641932	0.5040	0.5800	
2	6.396	6.394	0.002	1443119	0.5040	0.5313	
		Average of Peak Amounts =				0.5687	
						RPD = 20.94	
10 1260 Res 1							
1	6.571	6.570	0.001	532403	NC	NC	
2	6.218	6.218	0.000	641932	NC	NC	
11 1260 Res 2							
1	6.655	6.656	-0.001	253763	NC	NC	
2	6.303	6.304	-0.001	430225	NC	NC	
12 1260 Res 3							
1	6.722	6.723	-0.001	308092	NC	NC	
2	6.396	6.394	0.002	1443119	NC	NC	
$ 13 DCB Decachlorobiphenyl							
1	8.445	8.443	0.002	239269	0.0125	0.0118	
2	8.881	8.881	0.000	324219	0.0125	0.0146	
						RPD = 21.23	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

1660sur/is0.5_00158 Amount Added: 1.00 Units: mL

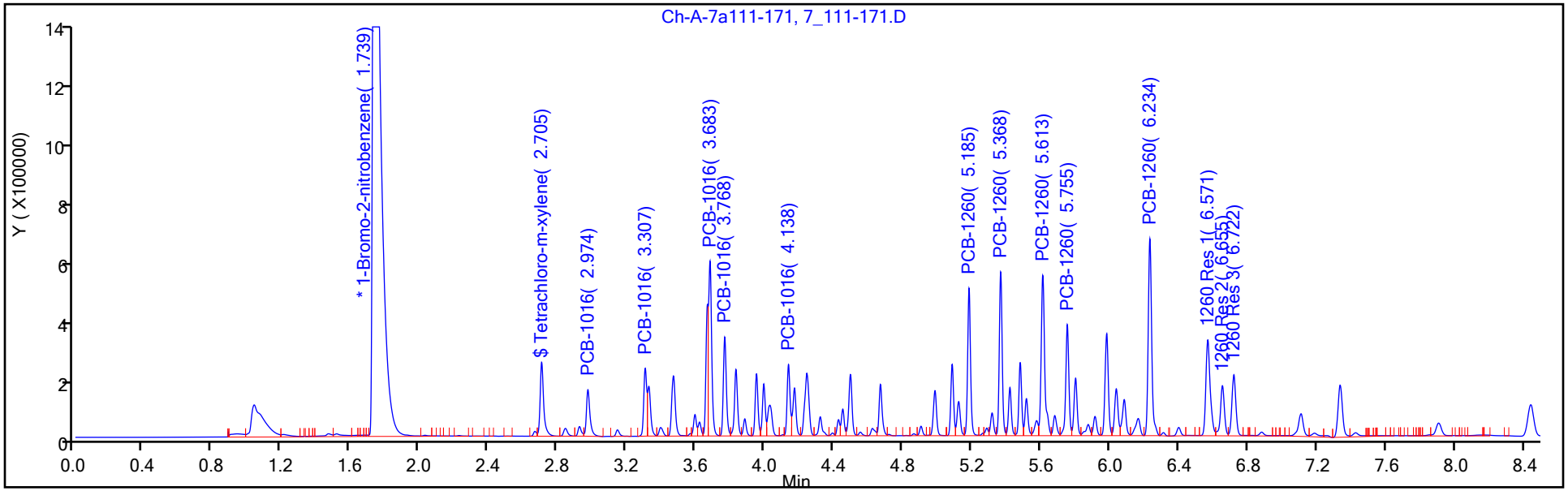
Report Date: 26-Oct-2021 13:18:37 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

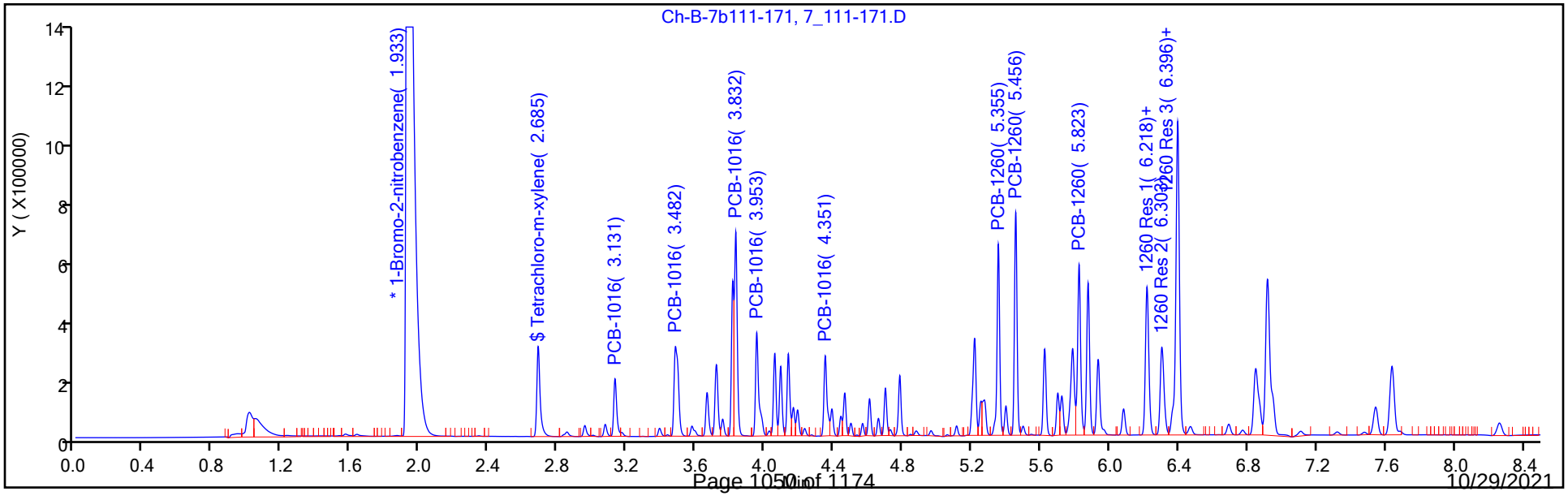
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-171.D

Injection Date:	25-Oct-2021 19:20:35	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	32
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: CCV 480-601894/54 Calibration Date: 10/26/2021 00:03

Instrument ID: HP6890-7 Calib Start Date: 05/14/2021 18:14

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/14/2021 19:50

Lab File ID: 7_111-193.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin2		0.0222		0.539	0.504	7.1	20.0
PCB-1016 Peak 2	Lin2		0.0283		0.526	0.504	4.4	20.0
PCB-1016 Peak 3	Lin2		0.0695		0.522	0.504	3.7	20.0
PCB-1016 Peak 4	Lin1		0.0356		0.491	0.504	-2.4	20.0
PCB-1016 Peak 5	Lin2		0.0245		0.440	0.504	-12.7	20.0
PCB-1260 Peak 1	Lin2		0.0516		0.483	0.504	-4.2	20.0
PCB-1260 Peak 2	Lin1		0.0601		0.503	0.504	-0.2	20.0
PCB-1260 Peak 3	Lin2		0.0737		0.489	0.504	-3.0	20.0
PCB-1260 Peak 4	Lin2		0.0449		0.472	0.504	-6.3	20.0
PCB-1260 Peak 5	Lin1		0.1016		0.441	0.504	-12.5	20.0
Tetrachloro-m-xylene	Lin1		1.396		0.0136	0.0125	8.7	20.0
DCB Decachlorobiphenyl	Lin2		0.9687		0.0120	0.0125	-4.4	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: CCV 480-601894/54 Calibration Date: 10/26/2021 00:03

Instrument ID: HP6890-7 Calib Start Date: 05/14/2021 18:14

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/14/2021 19:50

Lab File ID: 7_111-193.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.98	2.94	3.00
PCB-1016 Peak 2	3.31	3.28	3.34
PCB-1016 Peak 3	3.69	3.65	3.71
PCB-1016 Peak 4	3.77	3.74	3.80
PCB-1016 Peak 5	4.14	4.11	4.17
PCB-1260 Peak 1	5.19	5.16	5.22
PCB-1260 Peak 2	5.37	5.34	5.40
PCB-1260 Peak 3	5.62	5.58	5.64
PCB-1260 Peak 4	5.76	5.73	5.79
PCB-1260 Peak 5	6.24	6.20	6.26
Tetrachloro-m-xylene	2.71	2.67	2.73
DCB Decachlorobiphenyl	8.45	8.41	8.47

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-193.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 26-Oct-2021 00:03:32 ALS Bottle#: 0 Worklist Smp#: 54
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 26-Oct-2021 13:41:02 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1634

First Level Reviewer: chumongkolratn Date: 26-Oct-2021 13:41:02

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.747	1.738	0.009	9677604	0.5000	0.5000	
2	1.939	1.932	0.007	9745990	0.5000	0.5000	
						RPD = 0.00	
$ 3 Tetrachloro-m-xylene							
1	2.712	2.704	0.008	337855	0.0125	0.0136	
2	2.692	2.683	0.010	363230	0.0125	0.0142	
						RPD = 4.50	
4 PCB-1016							M
1	2.979	2.973	0.006	216136	0.5035	0.5395	
1	3.312	3.305	0.007	275563	0.5035	0.5256	
1	3.687	3.683	0.005	677457	0.5035	0.5220	M
1	3.772	3.768	0.004	347190	0.5035	0.4913	
1	4.141	4.138	0.003	238798	0.5035	0.4398	
		Average of Peak Amounts =				0.5036	
2	3.136	3.129	0.007	217065	0.5035	0.5813	
2	3.487	3.481	0.006	467145	0.5035	0.5560	
2	3.836	3.830	0.006	626820	0.5035	0.5173	
2	3.957	3.952	0.005	377125	0.5035	0.4858	
2	4.353	4.349	0.004	320756	0.5035	0.5106	
		Average of Peak Amounts =				0.5302	
						RPD = 5.14	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
8 PCB-1260							
1	5.188	5.185	0.003	503036	0.5040	0.4826	
1	5.372	5.368	0.004	586065	0.5040	0.5032	
1	5.616	5.613	0.003	719191	0.5040	0.4890	
1	5.758	5.755	0.003	437756	0.5040	0.4721	
1	6.238	6.234	0.004	991481	0.5040	0.4410	
		Average of Peak Amounts =				0.4776	
2	5.358	5.354	0.004	546572	0.5040	0.5122	
2	5.458	5.456	0.002	640936	0.5040	0.5338	
2	5.826	5.823	0.004	584086	0.5040	0.5233	
2	6.220	6.218	0.002	560192	0.5040	0.5290	
2	6.398	6.394	0.004	1349884	0.5040	0.5196	
		Average of Peak Amounts =				0.5236	
						RPD = 9.19	
10 1260 Res 1							
1	6.573	6.570	0.002	522996	NC	NC	
2	6.220	6.218	0.002	560192	NC	NC	
11 1260 Res 2							
1	6.658	6.656	0.002	244700	NC	NC	
2	6.308	6.304	0.003	392120	NC	NC	
12 1260 Res 3							
1	6.726	6.723	0.003	291897	NC	NC	
2	6.398	6.394	0.003	1349884	NC	NC	
$ 13 DCB Decachlorobiphenyl							
1	8.448	8.443	0.005	234357	0.0125	0.0120	
2	8.883	8.881	0.001	281516	0.0125	0.0133	
						RPD = 10.48	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

1660sur/is0.5_00158 Amount Added: 1.00 Units: mL

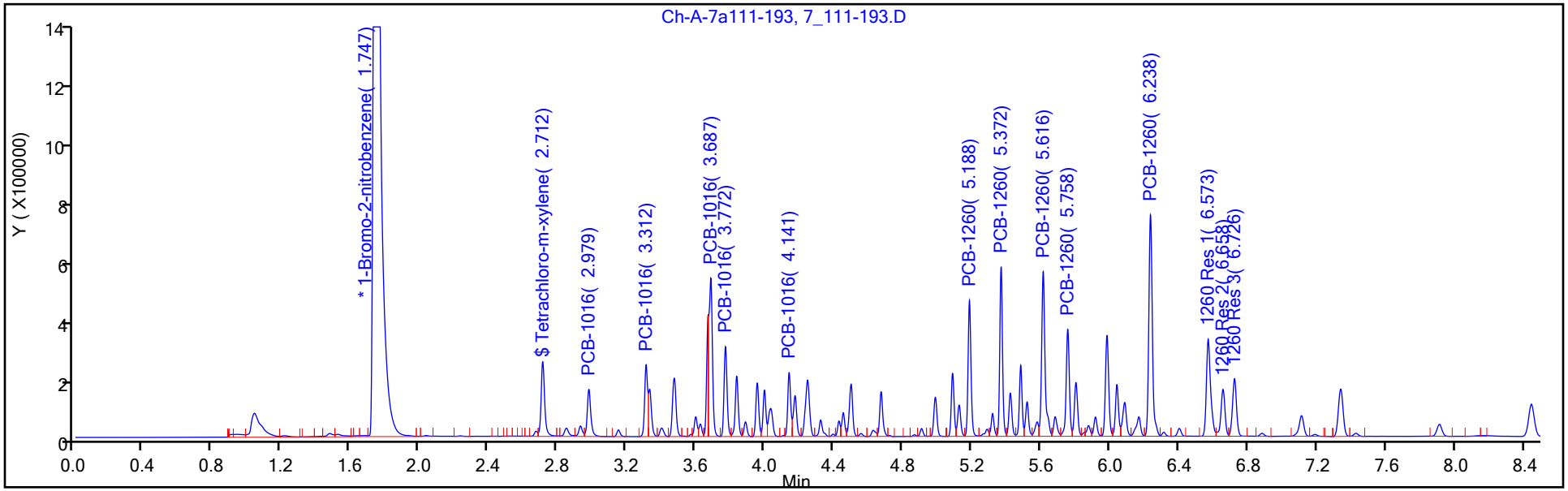
Report Date: 26-Oct-2021 13:41:02 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

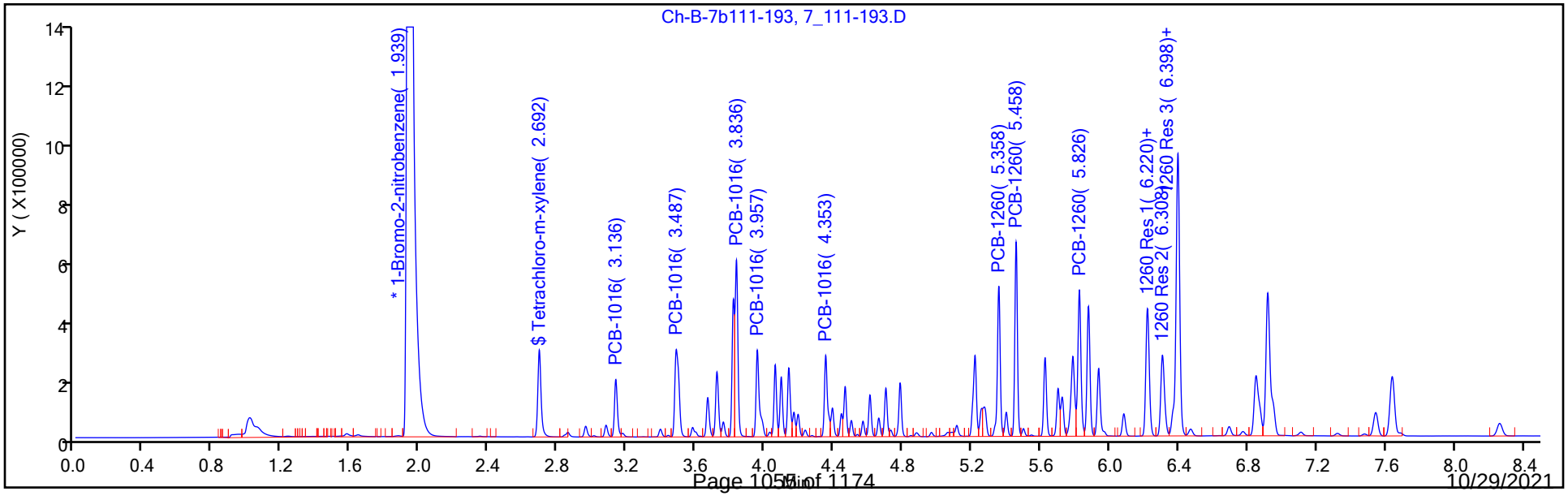
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-193.D

Injection Date:	26-Oct-2021 00:03:32	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	54
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 26-Oct-2021 13:41:02 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-193.D

Injection Date: 26-Oct-2021 00:03:32 Instrument ID: HP6890-7

Lims ID: CCV

Client ID:

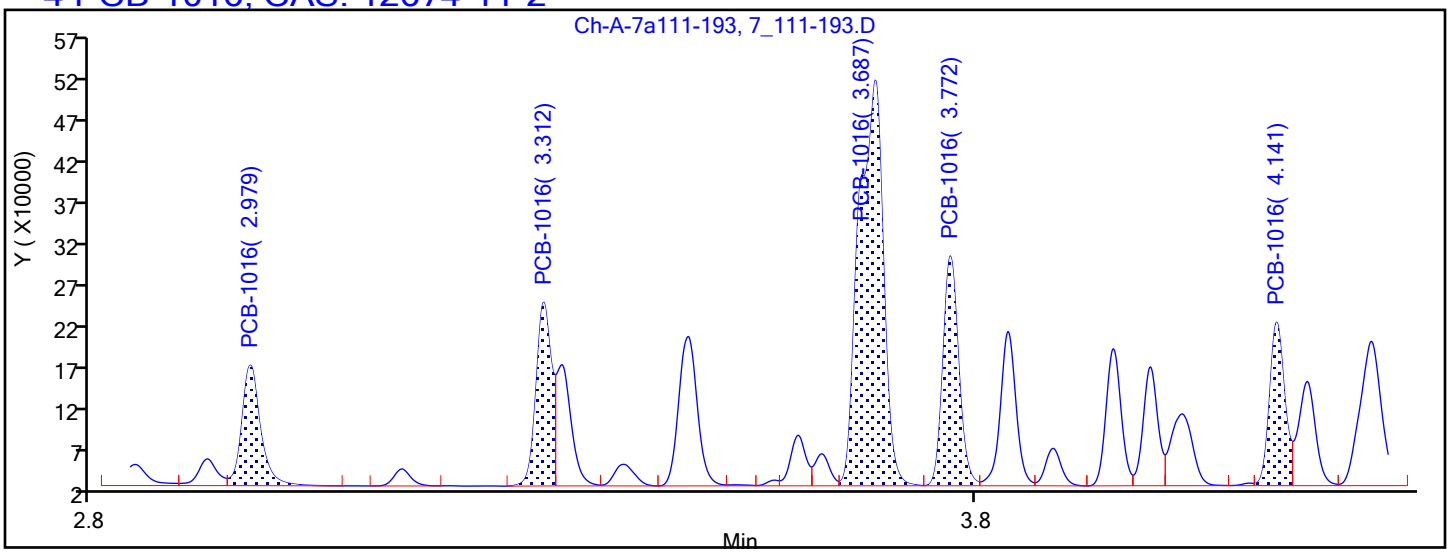
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 54

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

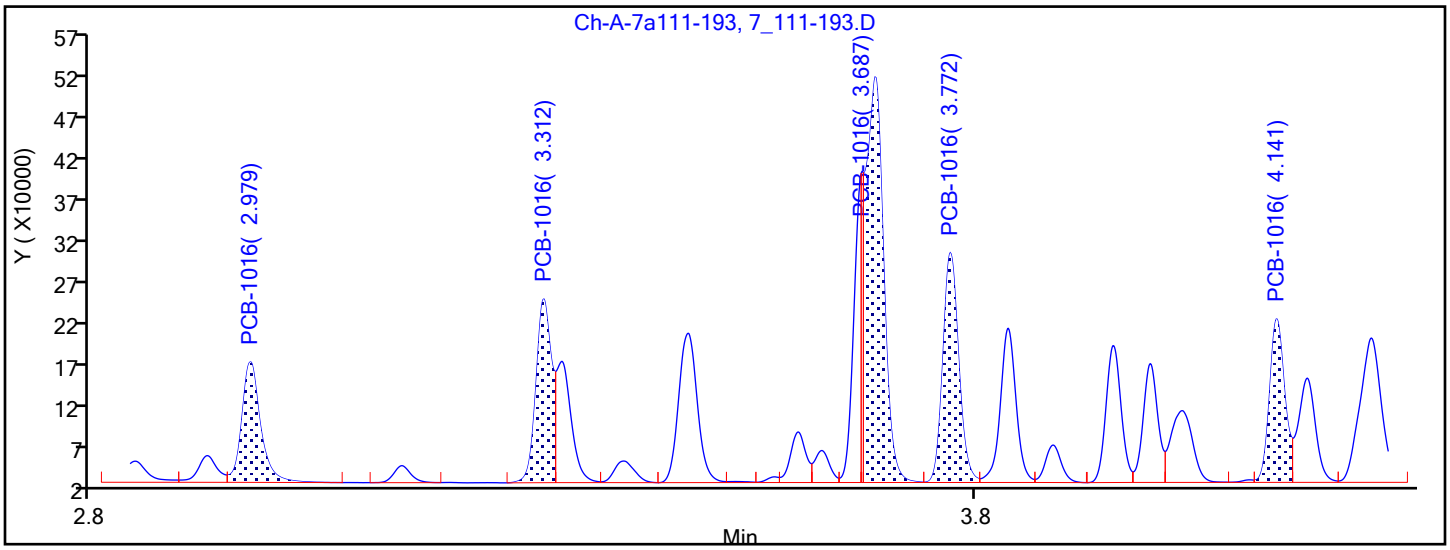
Column: ZB-5 (0.53 mm) Detector Ch-A-7A136

4 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.979	Response = 216136
3.312	Response = 275563
3.687	Response = 945820
3.772	Response = 347190
4.141	Response = 238798



Manual Integration Results

2.979	Response = 216136	
3.312	Response = 275563	
3.687	Response = 677457	M
3.772	Response = 347190	
4.141	Response = 238798	

Reviewer: chumongkolratn, 26-Oct-2021 13:40:28

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: CCV 480-601894/54 Calibration Date: 10/26/2021 00:03

Instrument ID: HP6890-7 Calib Start Date: 05/14/2021 18:14

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/14/2021 19:50

Lab File ID: 7_111-193.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin2		0.0221		0.581	0.504	15.4	20.0
PCB-1016 Peak 2	Lin2		0.0476		0.556	0.504	10.4	20.0
PCB-1016 Peak 3	Lin2		0.0639		0.517	0.504	2.7	20.0
PCB-1016 Peak 4	Ave	0.0398	0.0384		0.486	0.504	-3.5	20.0
PCB-1016 Peak 5	Lin1		0.0327		0.511	0.504	1.4	20.0
PCB-1260 Peak 1	Lin1		0.0556		0.512	0.504	1.6	20.0
PCB-1260 Peak 2	Ave	0.0616	0.0652		0.534	0.504	5.9	20.0
PCB-1260 Peak 3	Lin1		0.0595		0.523	0.504	3.8	20.0
PCB-1260 Peak 4	Lin1		0.0570		0.529	0.504	5.0	20.0
PCB-1260 Peak 5	Lin2		0.1374		0.520	0.504	3.1	20.0
Tetrachloro-m-xylene	Lin2		1.491		0.0142	0.0125	13.7	20.0
DCB Decachlorobiphenyl	Lin2		1.155		0.0133	0.0125	6.2	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: CCV 480-601894/54 Calibration Date: 10/26/2021 00:03

Instrument ID: HP6890-7 Calib Start Date: 05/14/2021 18:14

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/14/2021 19:50

Lab File ID: 7_111-193.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	3.14	3.10	3.16
PCB-1016 Peak 2	3.49	3.45	3.51
PCB-1016 Peak 3	3.84	3.80	3.86
PCB-1016 Peak 4	3.96	3.92	3.98
PCB-1016 Peak 5	4.35	4.32	4.38
PCB-1260 Peak 1	5.36	5.32	5.38
PCB-1260 Peak 2	5.46	5.43	5.49
PCB-1260 Peak 3	5.83	5.79	5.85
PCB-1260 Peak 4	6.22	6.19	6.25
PCB-1260 Peak 5	6.40	6.36	6.42
Tetrachloro-m-xylene	2.69	2.65	2.71
DCB Decachlorobiphenyl	8.88	8.85	8.91

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-193.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 26-Oct-2021 00:03:32 ALS Bottle#: 0 Worklist Smp#: 54
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 26-Oct-2021 13:41:02 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1634

First Level Reviewer: chumongkolratn Date: 26-Oct-2021 13:41:02

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.747	1.738	0.009	9677604	0.5000	0.5000	
2	1.939	1.932	0.007	9745990	0.5000	0.5000	
						RPD = 0.00	
$ 3 Tetrachloro-m-xylene							
1	2.712	2.704	0.008	337855	0.0125	0.0136	
2	2.692	2.683	0.010	363230	0.0125	0.0142	
						RPD = 4.50	
4 PCB-1016							M
1	2.979	2.973	0.006	216136	0.5035	0.5395	
1	3.312	3.305	0.007	275563	0.5035	0.5256	
1	3.687	3.683	0.005	677457	0.5035	0.5220	M
1	3.772	3.768	0.004	347190	0.5035	0.4913	
1	4.141	4.138	0.003	238798	0.5035	0.4398	
		Average of Peak Amounts =				0.5036	
2	3.136	3.129	0.007	217065	0.5035	0.5813	
2	3.487	3.481	0.006	467145	0.5035	0.5560	
2	3.836	3.830	0.006	626820	0.5035	0.5173	
2	3.957	3.952	0.005	377125	0.5035	0.4858	
2	4.353	4.349	0.004	320756	0.5035	0.5106	
		Average of Peak Amounts =				0.5302	
						RPD = 5.14	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
8 PCB-1260							
1	5.188	5.185	0.003	503036	0.5040	0.4826	
1	5.372	5.368	0.004	586065	0.5040	0.5032	
1	5.616	5.613	0.003	719191	0.5040	0.4890	
1	5.758	5.755	0.003	437756	0.5040	0.4721	
1	6.238	6.234	0.004	991481	0.5040	0.4410	
		Average of Peak Amounts =				0.4776	
2	5.358	5.354	0.004	546572	0.5040	0.5122	
2	5.458	5.456	0.002	640936	0.5040	0.5338	
2	5.826	5.823	0.004	584086	0.5040	0.5233	
2	6.220	6.218	0.002	560192	0.5040	0.5290	
2	6.398	6.394	0.004	1349884	0.5040	0.5196	
		Average of Peak Amounts =				0.5236	
						RPD = 9.19	
10 1260 Res 1							
1	6.573	6.570	0.002	522996	NC	NC	
2	6.220	6.218	0.002	560192	NC	NC	
11 1260 Res 2							
1	6.658	6.656	0.002	244700	NC	NC	
2	6.308	6.304	0.003	392120	NC	NC	
12 1260 Res 3							
1	6.726	6.723	0.003	291897	NC	NC	
2	6.398	6.394	0.003	1349884	NC	NC	
$ 13 DCB Decachlorobiphenyl							
1	8.448	8.443	0.005	234357	0.0125	0.0120	
2	8.883	8.881	0.001	281516	0.0125	0.0133	
						RPD = 10.48	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

1660sur/is0.5_00158 Amount Added: 1.00 Units: mL

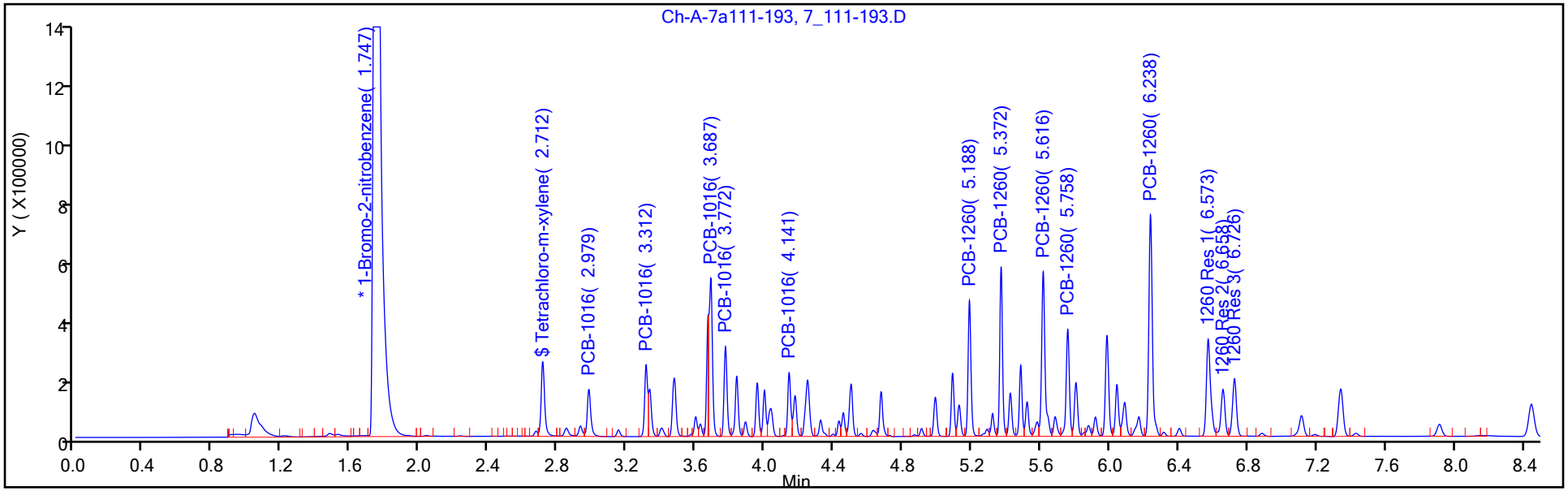
Report Date: 26-Oct-2021 13:41:03 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

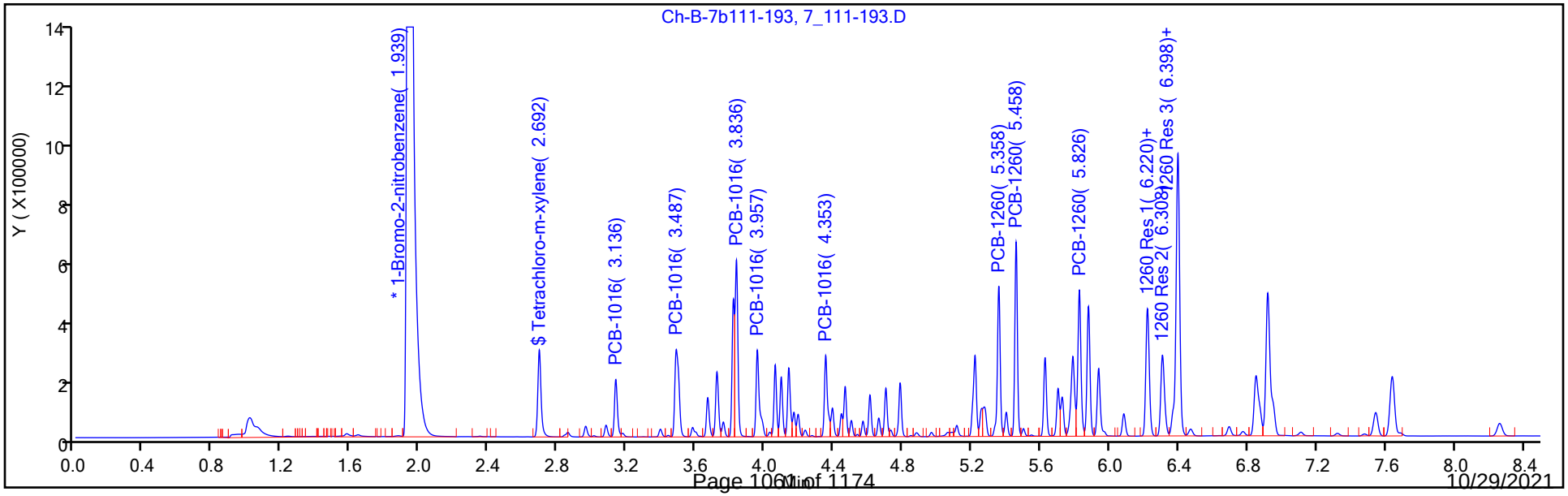
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-193.D

Injection Date:	26-Oct-2021 00:03:32	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	54
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-601489/1-A

Matrix: Water Lab File ID: 7_111-163.D

Analysis Method: 8082A Date Collected:

Extraction Method: 3510C Date Extracted: 10/21/2021 14:54

Sample wt/vol: 250(mL) Date Analyzed: 10/25/2021 17:37

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-5 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 601894 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	63		39-121
2051-24-3	DCB Decachlorobiphenyl	55		19-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-163.D
Lims ID: MB 480-601489/1-A
Client ID:
Sample Type: MB
Inject. Date: 25-Oct-2021 17:37:51 ALS Bottle#: 0 Worklist Smp#: 24
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 26-Oct-2021 13:06:17 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1634

First Level Reviewer: chumongkolratn Date: 26-Oct-2021 13:06:17

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.739	1.738	0.001	8795814	0.5000	0.5000	
2	1.933	1.932	0.000	8515097	0.5000	0.5000	
						RPD = 0.00	
$ 3 Tetrachloro-m-xylene							
1	2.706	2.704	0.002	286574	0.0200	0.0127	
2	2.685	2.683	0.003	313094	0.0200	0.0140	
						RPD = 10.10	
$ 13 DCB Decachlorobiphenyl							
1	8.444	8.443	0.001	195692	0.0200	0.0110	
2	8.879	8.881	-0.002	234159	0.0200	0.0126	
						RPD = 14.14	

QC Flag Legend
Processing Flags

Reagents:
PCB IS 1B2NB_00081 Amount Added: 10.00 Units: uL Run Reagent

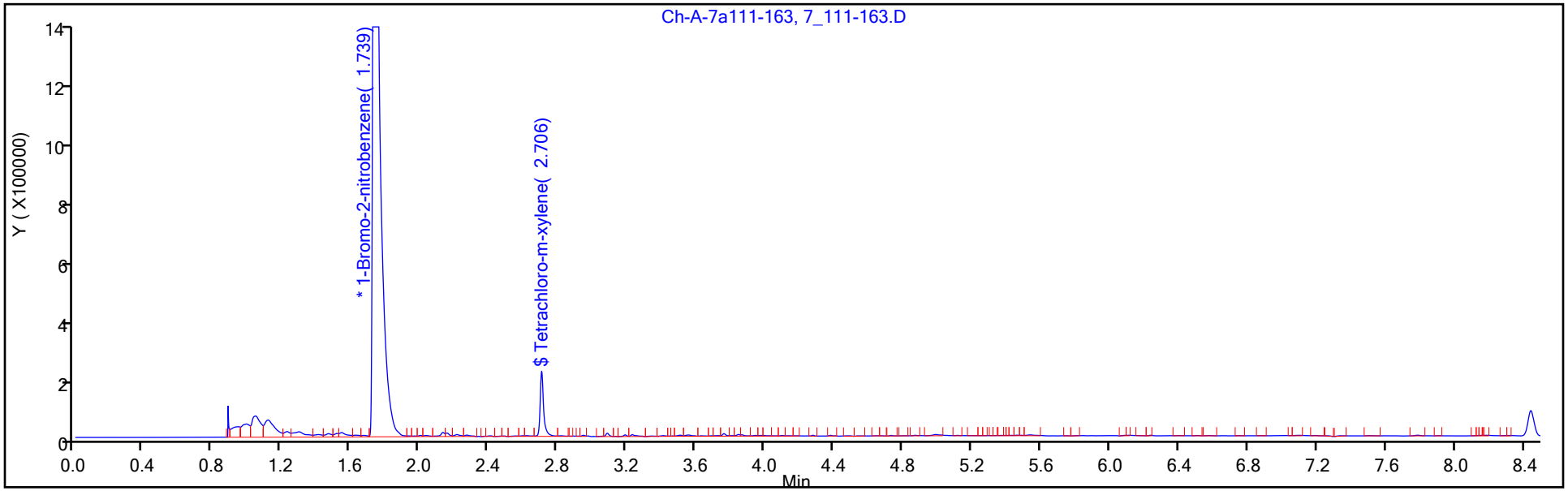
Report Date: 26-Oct-2021 13:06:17 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

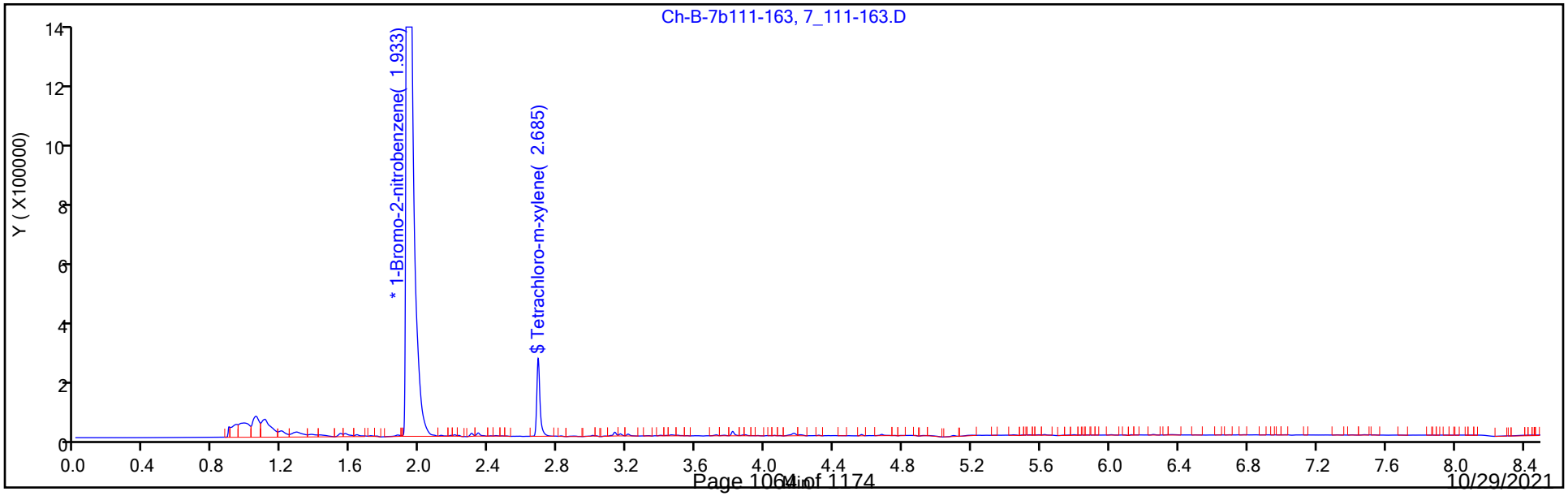
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-163.D

Injection Date:	25-Oct-2021 17:37:51	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	MB 480-601489/1-A			Worklist Smp#:	24
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-601489/1-A

Matrix: Water Lab File ID: 7_111-163.D

Analysis Method: 8082A Date Collected:

Extraction Method: 3510C Date Extracted: 10/21/2021 14:54

Sample wt/vol: 250(mL) Date Analyzed: 10/25/2021 17:37

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-35 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 601894 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.50	0.18
11104-28-2	PCB-1221	ND		0.50	0.18
11141-16-5	PCB-1232	ND		0.50	0.18
53469-21-9	PCB-1242	ND		0.50	0.18
12672-29-6	PCB-1248	ND		0.50	0.18
11097-69-1	PCB-1254	ND		0.50	0.25
11096-82-5	PCB-1260	ND		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	70		39-121
2051-24-3	DCB Decachlorobiphenyl	63		19-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-163.D
Lims ID: MB 480-601489/1-A
Client ID:
Sample Type: MB
Inject. Date: 25-Oct-2021 17:37:51 ALS Bottle#: 0 Worklist Smp#: 24
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 26-Oct-2021 13:06:17 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1634

First Level Reviewer: chumongkolratn Date: 26-Oct-2021 13:06:17

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.739	1.738	0.001	8795814	0.5000	0.5000	
2	1.933	1.932	0.000	8515097	0.5000	0.5000	
						RPD = 0.00	
$ 3 Tetrachloro-m-xylene							
1	2.706	2.704	0.002	286574	0.0200	0.0127	
2	2.685	2.683	0.003	313094	0.0200	0.0140	
						RPD = 10.10	
$ 13 DCB Decachlorobiphenyl							
1	8.444	8.443	0.001	195692	0.0200	0.0110	
2	8.879	8.881	-0.002	234159	0.0200	0.0126	
						RPD = 14.14	

QC Flag Legend
Processing Flags

Reagents:
PCB IS 1B2NB_00081 Amount Added: 10.00 Units: uL Run Reagent

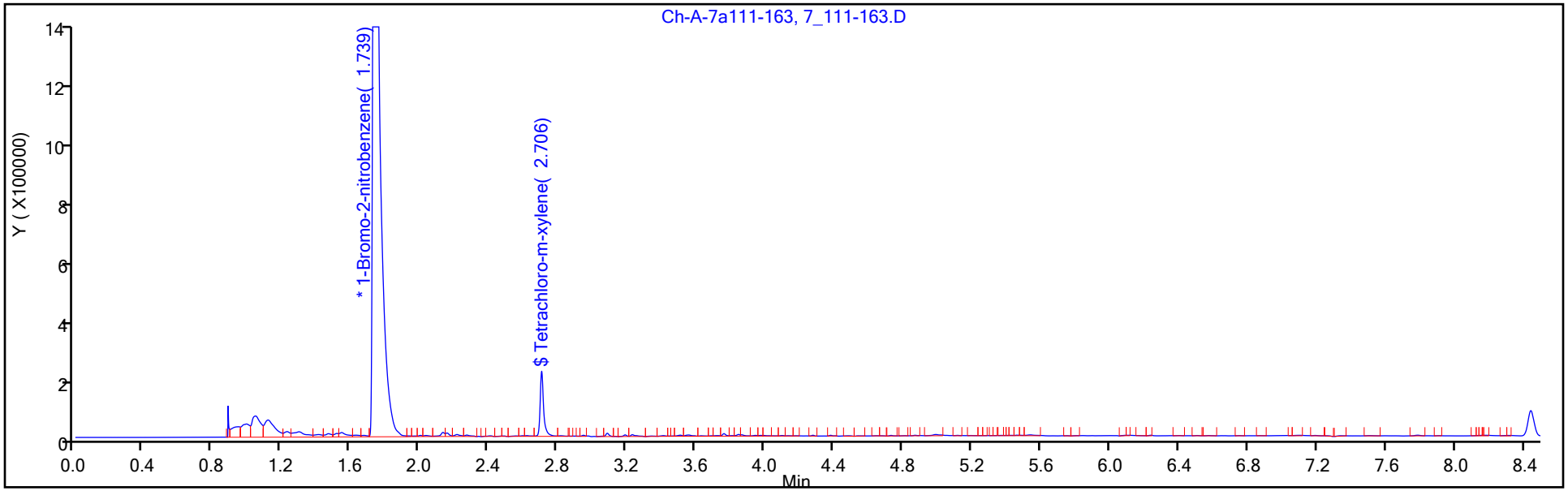
Report Date: 26-Oct-2021 13:06:18 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

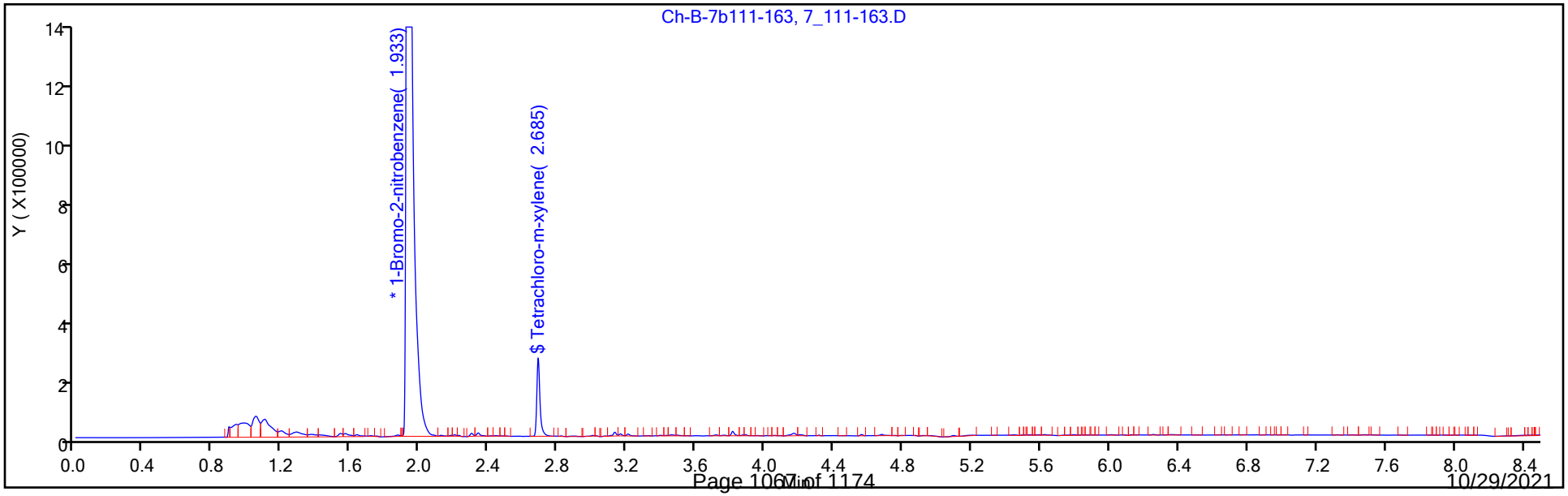
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-163.D

Injection Date:	25-Oct-2021 17:37:51	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	MB 480-601489/1-A			Worklist Smp#:	24
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-601489/2-A

Matrix: Water Lab File ID: 7_111-164.D

Analysis Method: 8082A Date Collected:

Extraction Method: 3510C Date Extracted: 10/21/2021 14:54

Sample wt/vol: 250(mL) Date Analyzed: 10/25/2021 17:50

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-5 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 601894 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	89		39-121
2051-24-3	DCB Decachlorobiphenyl	44		19-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-164.D
Lims ID: LCS 480-601489/2-A
Client ID:
Sample Type: LCS
Inject. Date: 25-Oct-2021 17:50:38 ALS Bottle#: 0 Worklist Smp#: 25
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 26-Oct-2021 13:06:17 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1634

First Level Reviewer: chumongkolratn Date: 26-Oct-2021 13:06:29

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.740	1.738	0.002	8596621	0.5000	0.5000	
2	1.933	1.932	0.000	8369742	0.5000	0.5000	
						RPD = 0.00	
$ 3 Tetrachloro-m-xylene							
1	2.707	2.704	0.003	390358	0.0200	0.0177	
2	2.686	2.683	0.004	418860	0.0200	0.0191	
						RPD = 7.65	
4 PCB-1016							
1	2.974	2.973	0.001	168282	0.5000	0.4719	
1	3.308	3.305	0.003	196171	0.5000	0.4199	
1	3.683	3.683	0.001	528174	0.5000	0.4579	
1	3.769	3.768	0.001	308760	0.5000	0.4919	
1	4.138	4.138	0.000	221208	0.5000	0.4587	
		Average of Peak Amounts =				0.4601	
2	3.132	3.129	0.003	177089	0.5000	0.5518	
2	3.483	3.481	0.002	386861	0.5000	0.5360	
2	3.833	3.830	0.003	556621	0.5000	0.5349	
2	3.954	3.952	0.002	337225	0.5000	0.5059	
2	4.352	4.349	0.003	285309	0.5000	0.5290	
		Average of Peak Amounts =				0.5315	
						RPD = 14.41	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
8 PCB-1260							
1	5.186	5.185	0.001	402643	0.5000	0.4342	
1	5.370	5.368	0.002	427471	0.5000	0.4116	
1	5.615	5.613	0.002	515841	0.5000	0.3939	
1	5.757	5.755	0.002	295974	0.5000	0.3579	
1	6.237	6.234	0.003	632038	0.5000	0.3153	
		Average of Peak Amounts =				0.3826	
2	5.357	5.354	0.003	485737	0.5000	0.5301	
2	5.458	5.456	0.002	492482	0.5000	0.4776	
2	5.824	5.823	0.002	473841	0.5000	0.4943	
2	6.219	6.218	0.001	418718	0.5000	0.4602	
2	6.396	6.394	0.002	803223	0.5000	0.3597	
		Average of Peak Amounts =				0.4644	
						RPD = 19.32	
$ 13 DCB Decachlorobiphenyl							
1	8.448	8.443	0.005	154257	0.0200	0.008806	
2	8.880	8.881	-0.001	200835	0.0200	0.0110	
						RPD = 22.27	

QC Flag Legend

Processing Flags

Reagents:

PCB IS 1B2NB_00081 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 26-Oct-2021 13:06:29 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-164.D

Injection Date: 25-Oct-2021 17:50:38 Instrument ID: HP6890-7 Operator ID: BufTCHROM

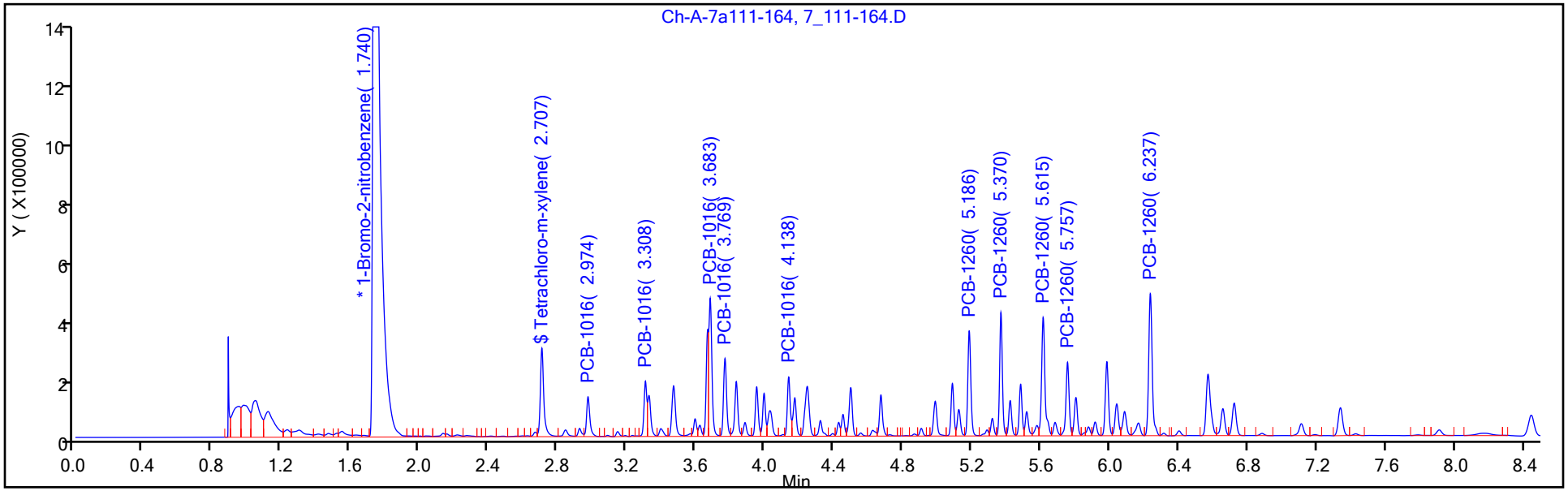
Lims ID: LCS 480-601489/2-A Worklist Smp#: 25

Client ID:

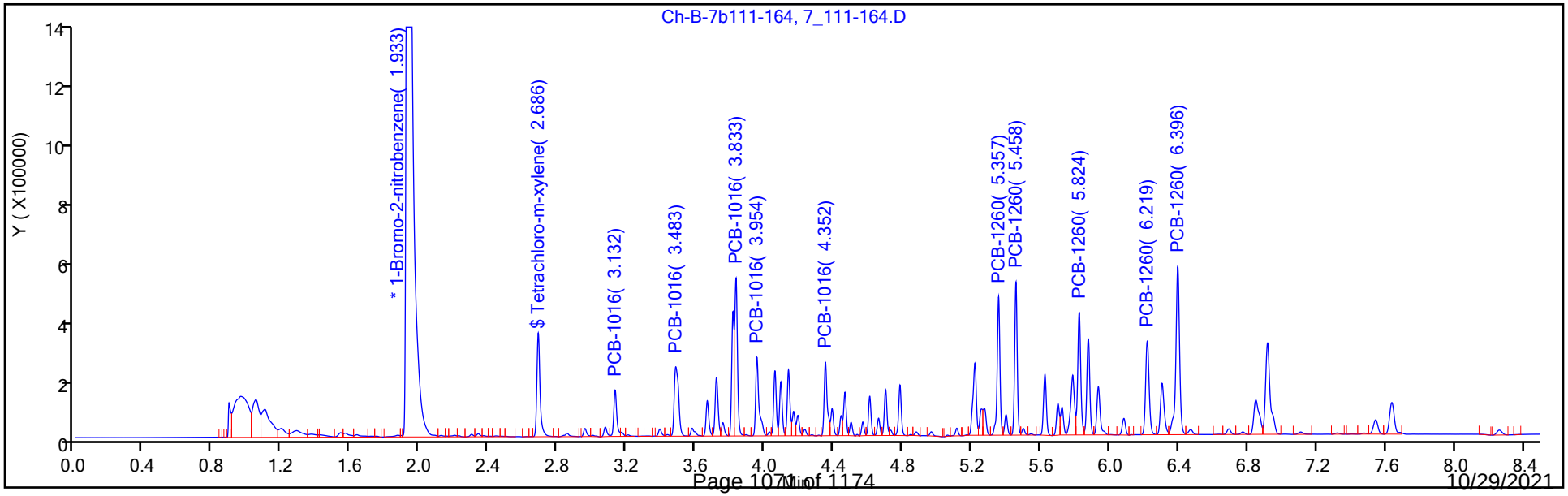
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-601489/2-A

Matrix: Water Lab File ID: 7_111-164.D

Analysis Method: 8082A Date Collected:

Extraction Method: 3510C Date Extracted: 10/21/2021 14:54

Sample wt/vol: 250(mL) Date Analyzed: 10/25/2021 17:50

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-35 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 601894 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	4.25		0.50	0.18
11096-82-5	PCB-1260	3.72		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	96		39-121
2051-24-3	DCB Decachlorobiphenyl	55		19-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-164.D
Lims ID: LCS 480-601489/2-A
Client ID:
Sample Type: LCS
Inject. Date: 25-Oct-2021 17:50:38 ALS Bottle#: 0 Worklist Smp#: 25
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 26-Oct-2021 13:06:17 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1634

First Level Reviewer: chumongkolratn Date: 26-Oct-2021 13:06:29

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.740	1.738	0.002	8596621	0.5000	0.5000	
2	1.933	1.932	0.000	8369742	0.5000	0.5000	
						RPD = 0.00	
$ 3 Tetrachloro-m-xylene							
1	2.707	2.704	0.003	390358	0.0200	0.0177	
2	2.686	2.683	0.004	418860	0.0200	0.0191	
						RPD = 7.65	
4 PCB-1016							
1	2.974	2.973	0.001	168282	0.5000	0.4719	
1	3.308	3.305	0.003	196171	0.5000	0.4199	
1	3.683	3.683	0.001	528174	0.5000	0.4579	
1	3.769	3.768	0.001	308760	0.5000	0.4919	
1	4.138	4.138	0.000	221208	0.5000	0.4587	
		Average of Peak Amounts =				0.4601	
2	3.132	3.129	0.003	177089	0.5000	0.5518	
2	3.483	3.481	0.002	386861	0.5000	0.5360	
2	3.833	3.830	0.003	556621	0.5000	0.5349	
2	3.954	3.952	0.002	337225	0.5000	0.5059	
2	4.352	4.349	0.003	285309	0.5000	0.5290	
		Average of Peak Amounts =				0.5315	
						RPD = 14.41	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
8 PCB-1260							
1	5.186	5.185	0.001	402643	0.5000	0.4342	
1	5.370	5.368	0.002	427471	0.5000	0.4116	
1	5.615	5.613	0.002	515841	0.5000	0.3939	
1	5.757	5.755	0.002	295974	0.5000	0.3579	
1	6.237	6.234	0.003	632038	0.5000	0.3153	
		Average of Peak Amounts =				0.3826	
2	5.357	5.354	0.003	485737	0.5000	0.5301	
2	5.458	5.456	0.002	492482	0.5000	0.4776	
2	5.824	5.823	0.002	473841	0.5000	0.4943	
2	6.219	6.218	0.001	418718	0.5000	0.4602	
2	6.396	6.394	0.002	803223	0.5000	0.3597	
		Average of Peak Amounts =				0.4644	
						RPD = 19.32	
$ 13 DCB Decachlorobiphenyl							
1	8.448	8.443	0.005	154257	0.0200	0.008806	
2	8.880	8.881	-0.001	200835	0.0200	0.0110	
						RPD = 22.27	

QC Flag Legend

Processing Flags

Reagents:

PCB IS 1B2NB_00081 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 26-Oct-2021 13:06:30 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-164.D

Injection Date: 25-Oct-2021 17:50:38 Instrument ID: HP6890-7 Operator ID: BufTCHROM

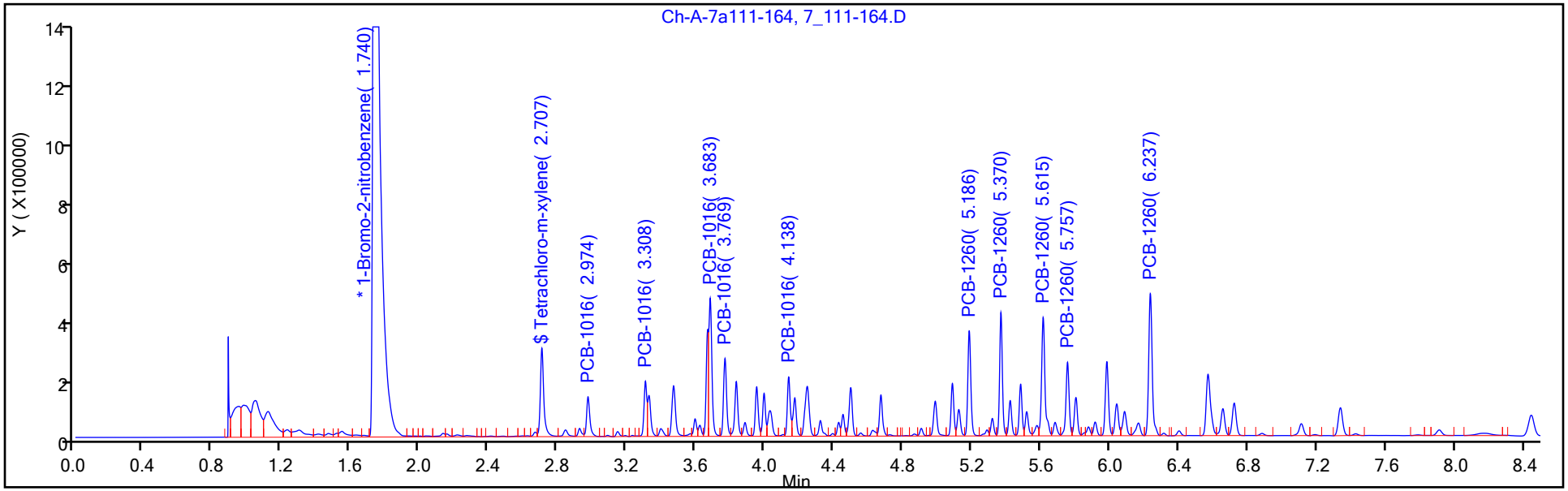
Lims ID: LCS 480-601489/2-A Worklist Smp#: 25

Client ID:

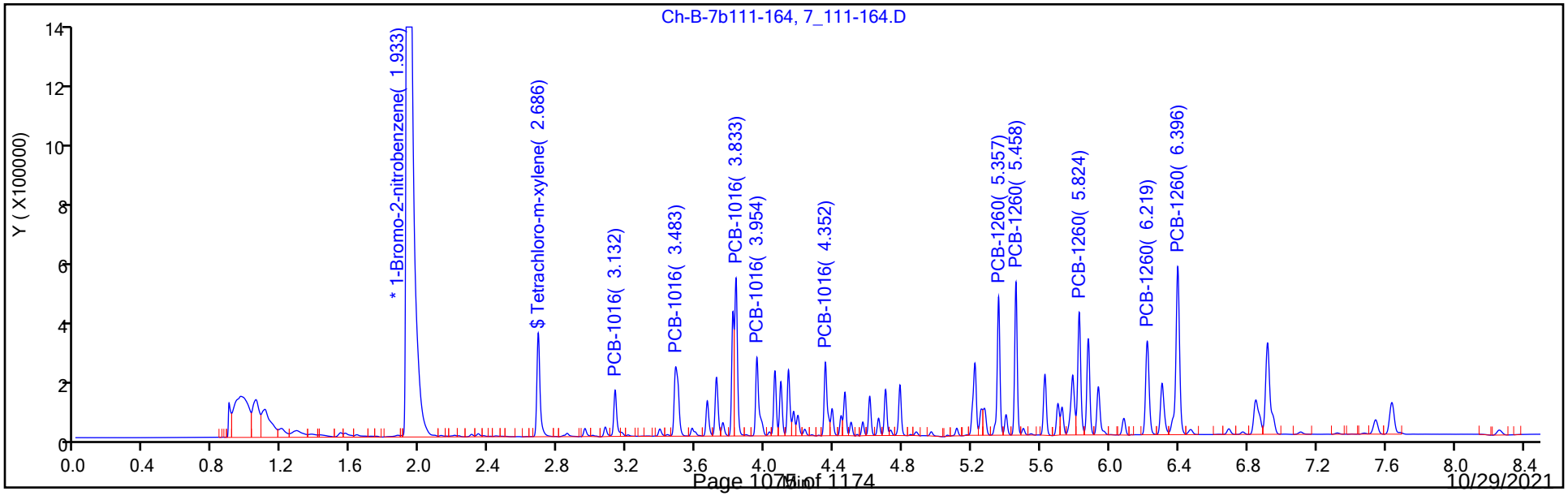
Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Client Sample ID: BOR-MW-2B-WG MS Lab Sample ID: 480-191204-1 MS

Matrix: Water Lab File ID: 7_111-165.D

Analysis Method: 8082A Date Collected: 10/20/2021 13:20

Extraction Method: 3510C Date Extracted: 10/21/2021 14:54

Sample wt/vol: 250(mL) Date Analyzed: 10/25/2021 18:03

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-5 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 601894 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	72		39-121
2051-24-3	DCB Decachlorobiphenyl	84		19-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-165.D
Lims ID: 480-191204-A-1-A MS
Client ID: BOR-MW-2B-WG
Sample Type: MS
Inject. Date: 25-Oct-2021 18:03:37 ALS Bottle#: 0 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 26-Oct-2021 13:10:22 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1634

First Level Reviewer: chumongkolratn Date: 26-Oct-2021 13:07:35

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.741	1.738	0.003	9053816	0.5000	0.5000	
2	1.933	1.932	0.001	8787468	0.5000	0.5000	
						RPD = 0.00	
$ 3 Tetrachloro-m-xylene							
1	2.707	2.704	0.003	336501	0.0200	0.0145	
2	2.686	2.683	0.004	364340	0.0200	0.0158	
						RPD = 8.91	
4 PCB-1016							M
1	2.974	2.973	0.001	151630	0.5000	0.4027	
1	3.308	3.305	0.003	205287	0.5000	0.4172	
1	3.683	3.683	0.001	642040	0.5000	0.5288	M
1	3.769	3.768	0.001	315558	0.5000	0.4770	
1	4.138	4.138	0.000	254425	0.5000	0.5012	
		Average of Peak Amounts =				0.4654	
2	3.132	3.129	0.003	161122	0.5000	0.4771	
2	3.483	3.481	0.002	401845	0.5000	0.5302	
2	3.833	3.830	0.003	627727	0.5000	0.5748	
2	3.955	3.952	0.003	342683	0.5000	0.4896	
2	4.353	4.349	0.003	313303	0.5000	0.5536	
		Average of Peak Amounts =				0.5251	
						RPD = 12.05	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
14 PCB-1242							M
1	2.974	2.973	0.001	151630		0.5366	
1	3.308	3.305	0.003	205287		0.5807	
1	3.683	3.681	0.002	642040		0.7212	M
1	3.769	3.767	0.002	315558		0.6298	
1	4.138	4.137	0.001	254425		0.6743	
		Average of Peak Amounts =				0.6285	
2	3.132	3.130	0.002	161122		0.6307	
2	3.483	3.481	0.002	401845		0.7114	
2	3.833	3.831	0.002	627727		0.7853	
2	3.955	3.953	0.003	342683		0.6875	
2	4.353	4.352	0.000	313303		0.6393	
		Average of Peak Amounts =				0.6909	
						RPD = 9.45	
8 PCB-1260							
1	5.186	5.185	0.001	434877	0.5000	0.4455	
1	5.370	5.368	0.002	490730	0.5000	0.4495	
1	5.614	5.613	0.001	604904	0.5000	0.4391	
1	5.757	5.755	0.002	369976	0.5000	0.4259	
1	6.237	6.234	0.003	771185	0.5000	0.3659	
		Average of Peak Amounts =				0.4252	
2	5.357	5.354	0.003	544319	0.5000	0.5661	
2	5.457	5.456	0.001	559763	0.5000	0.5171	
2	5.824	5.823	0.002	548866	0.5000	0.5455	
2	6.218	6.218	0.000	528927	0.5000	0.5541	
2	6.396	6.394	0.002	1204301	0.5000	0.5141	
		Average of Peak Amounts =				0.5394	
						RPD = 23.68	
$ 13 DCB Decachlorobiphenyl							
1	8.447	8.443	0.004	307712	0.0200	0.0169	
2	8.879	8.881	-0.002	405400	0.0200	0.0212	
						RPD = 23.08	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PCB IS 1B2NB_00081 Amount Added: 10.00 Units: uL Run Reagent

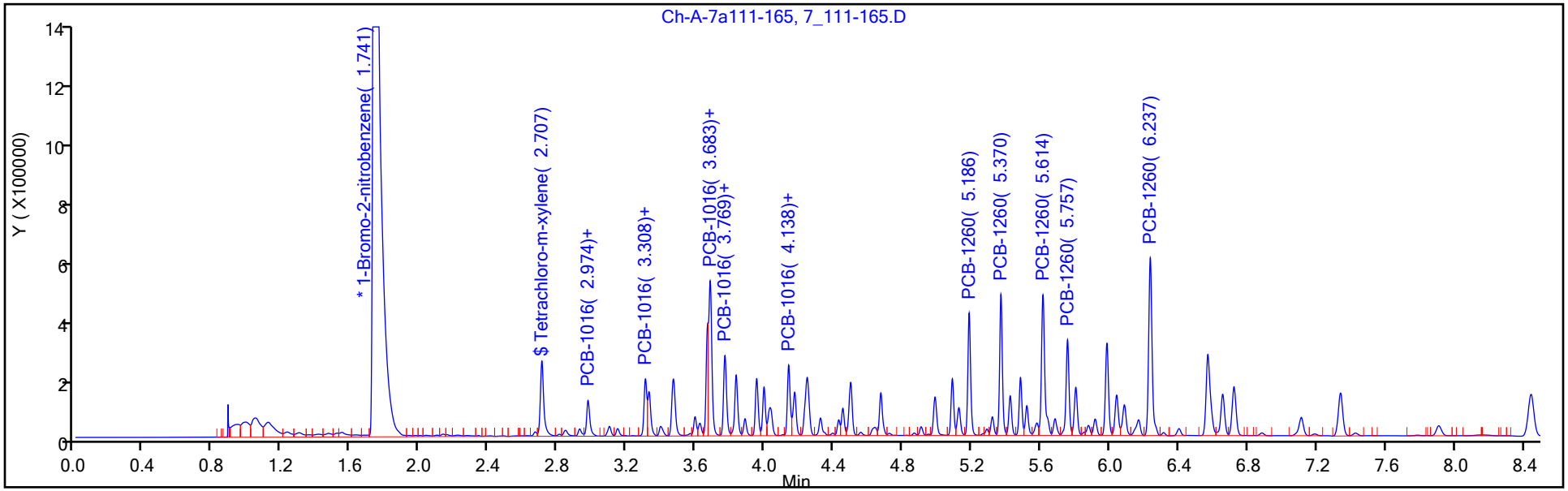
Report Date: 26-Oct-2021 13:10:22 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

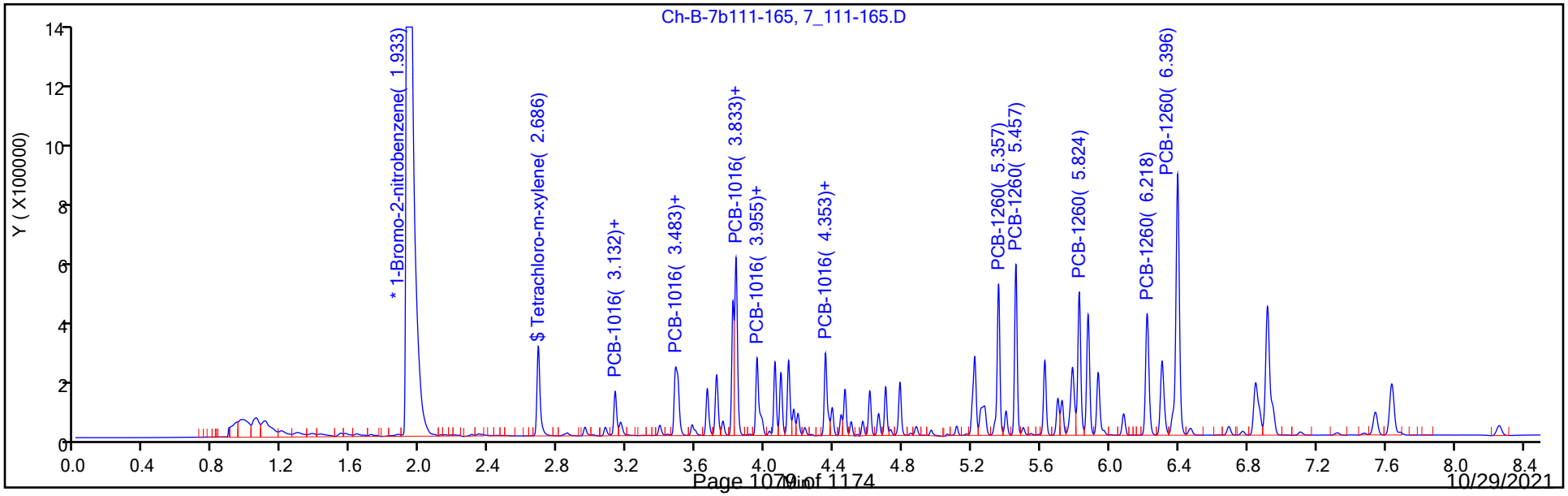
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-165.D

Injection Date:	25-Oct-2021 18:03:37	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	480-191204-A-1-A MS			Worklist Smp#:	26
Client ID:	BOR-MW-2B-WG				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 26-Oct-2021 13:10:22 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-165.D

Injection Date: 25-Oct-2021 18:03:37 Instrument ID: HP6890-7

Lims ID: 480-191204-A-1-A MS

Client ID: BOR-MW-2B-WG

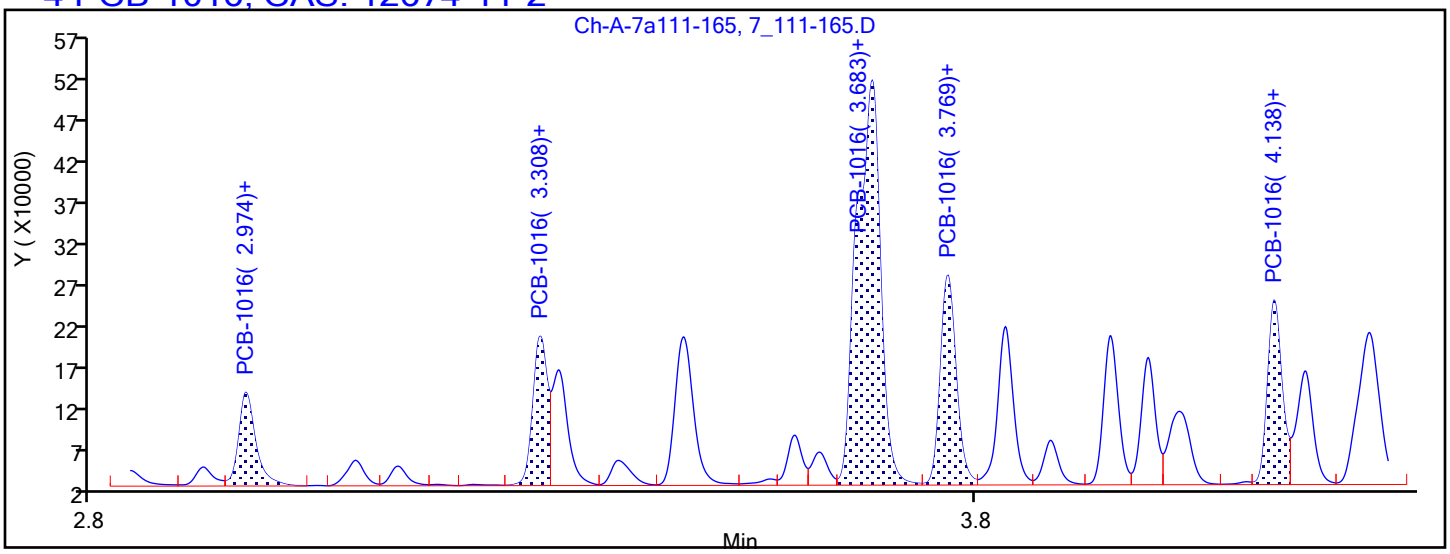
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 26

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

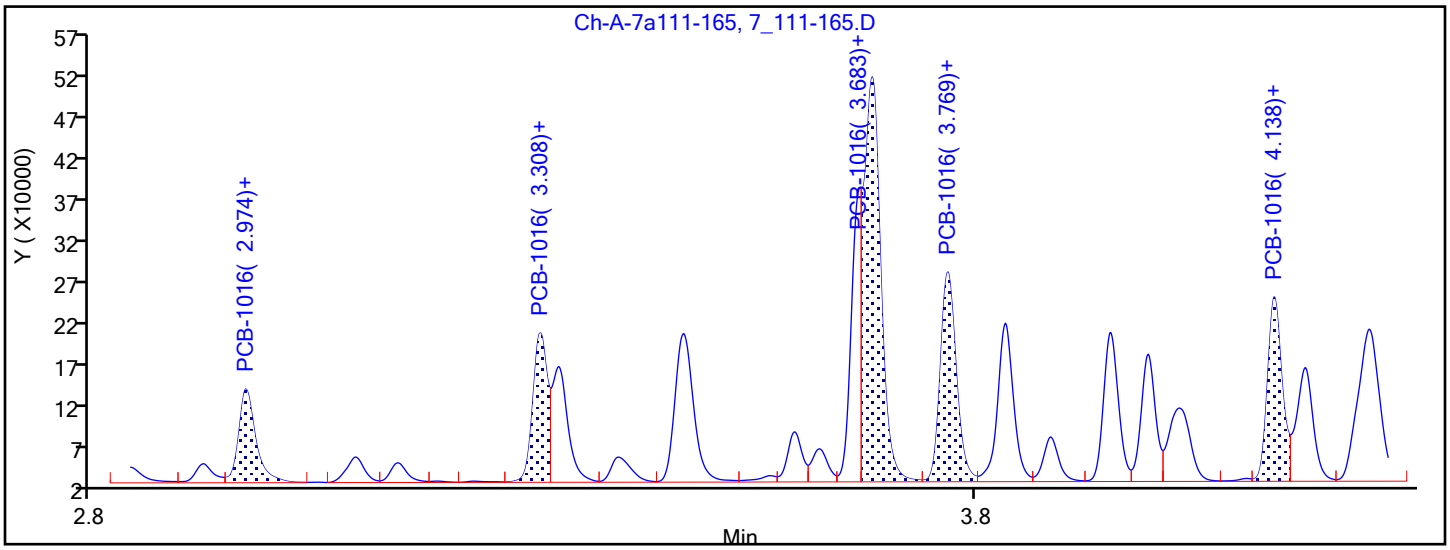
Column: ZB-5 (0.53 mm) Detector Ch-A-7A136

4 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.974	Response = 151630
3.308	Response = 205287
3.683	Response = 902228
3.769	Response = 315558
4.138	Response = 254425



Manual Integration Results

2.974	Response = 151630	
3.308	Response = 205287	
3.683	Response = 642040	M
3.769	Response = 315558	
4.138	Response = 254425	

Reviewer: chumongkolratn, 26-Oct-2021 13:07:32

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Report Date: 26-Oct-2021 13:10:22 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-165.D

Injection Date: 25-Oct-2021 18:03:37 Instrument ID: HP6890-7

Lims ID: 480-191204-A-1-A MS

Client ID: BOR-MW-2B-WG

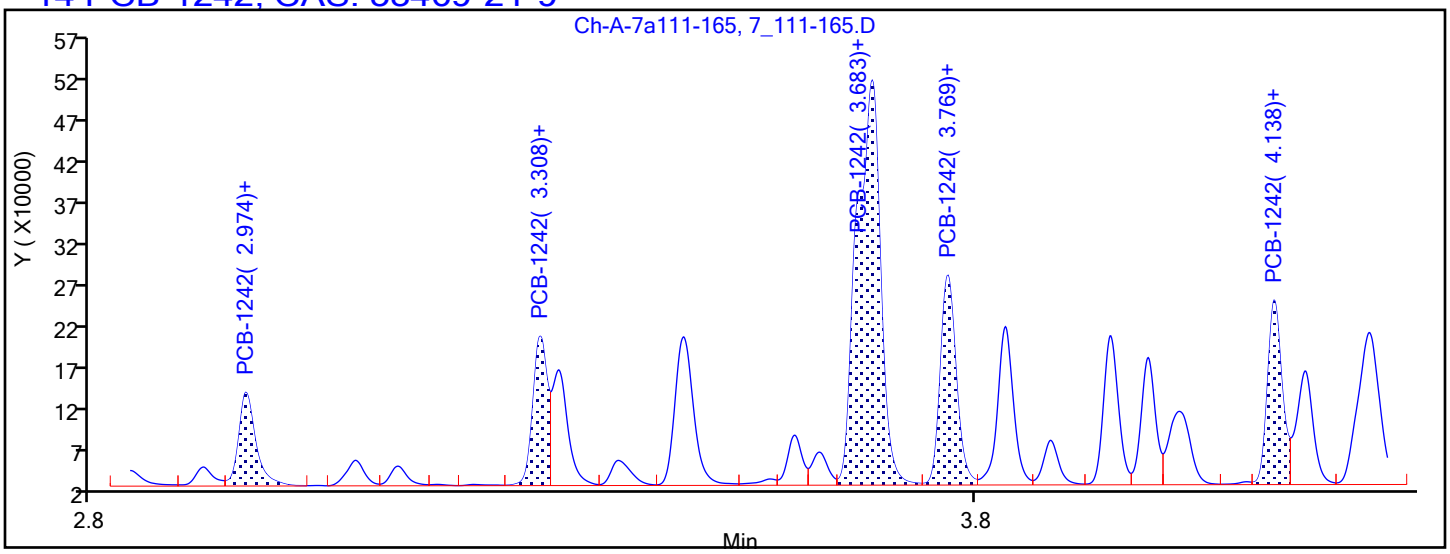
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 26

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

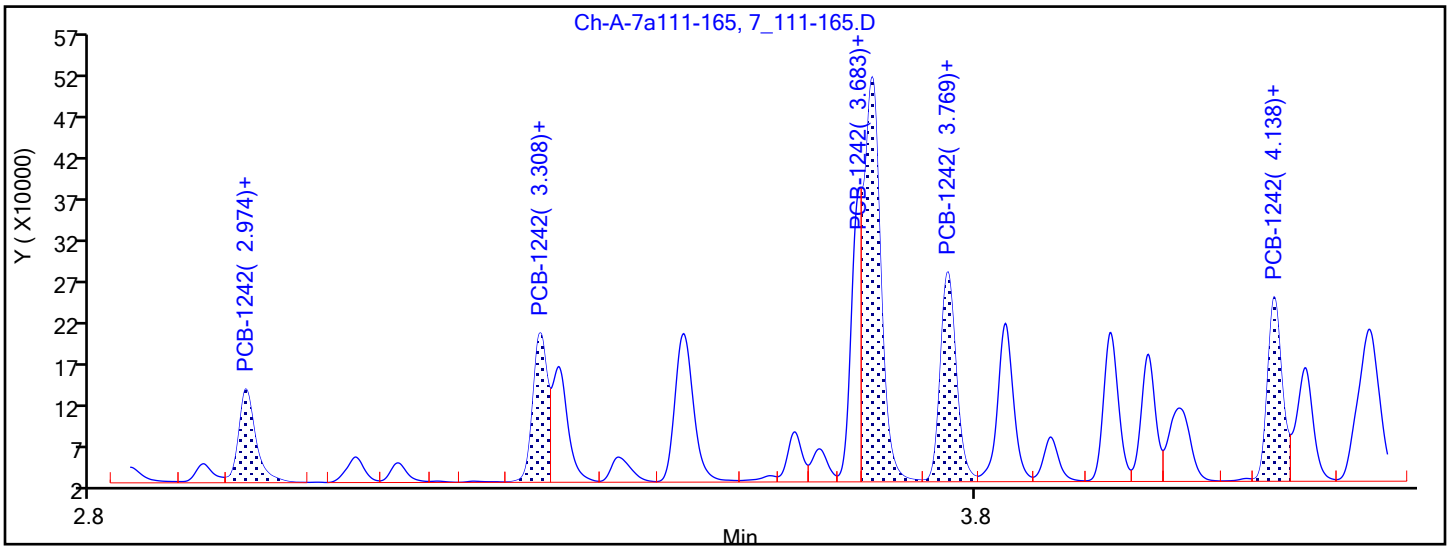
Column: ZB-5 (0.53 mm) Detector Ch-A-7A136

14 PCB-1242, CAS: 53469-21-9



Processing Integration Results

2.974	Response = 151630	
3.308	Response = 205287	
3.683	Response = 902228	
3.769	Response = 315558	
4.138	Response = 254425	



Manual Integration Results

2.974	Response = 151630	
3.308	Response = 205287	M
3.683	Response = 642040	M
3.769	Response = 315558	M
4.138	Response = 254425	M

Reviewer: chumongkolratn, 26-Oct-2021 13:07:17

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Client Sample ID: BOR-MW-2B-WG MS Lab Sample ID: 480-191204-1 MS

Matrix: Water Lab File ID: 7_111-165.D

Analysis Method: 8082A Date Collected: 10/20/2021 13:20

Extraction Method: 3510C Date Extracted: 10/21/2021 14:54

Sample wt/vol: 250(mL) Date Analyzed: 10/25/2021 18:03

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-35 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 601894 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	4.20		0.50	0.18
11104-28-2	PCB-1221	ND		0.50	0.18
11141-16-5	PCB-1232	ND		0.50	0.18
53469-21-9	PCB-1242	5.53		0.50	0.18
12672-29-6	PCB-1248	ND		0.50	0.18
11097-69-1	PCB-1254	ND		0.50	0.25
11096-82-5	PCB-1260	4.31		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	79		39-121
2051-24-3	DCB Decachlorobiphenyl	106		19-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-165.D
Lims ID: 480-191204-A-1-A MS
Client ID: BOR-MW-2B-WG
Sample Type: MS
Inject. Date: 25-Oct-2021 18:03:37 ALS Bottle#: 0 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 26-Oct-2021 13:10:22 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1634

First Level Reviewer: chumongkolratn Date: 26-Oct-2021 13:07:35

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.741	1.738	0.003	9053816	0.5000	0.5000	
2	1.933	1.932	0.001	8787468	0.5000	0.5000	
						RPD = 0.00	
$ 3 Tetrachloro-m-xylene							
1	2.707	2.704	0.003	336501	0.0200	0.0145	
2	2.686	2.683	0.004	364340	0.0200	0.0158	
						RPD = 8.91	
4 PCB-1016							M
1	2.974	2.973	0.001	151630	0.5000	0.4027	
1	3.308	3.305	0.003	205287	0.5000	0.4172	
1	3.683	3.683	0.001	642040	0.5000	0.5288	M
1	3.769	3.768	0.001	315558	0.5000	0.4770	
1	4.138	4.138	0.000	254425	0.5000	0.5012	
		Average of Peak Amounts =				0.4654	
2	3.132	3.129	0.003	161122	0.5000	0.4771	
2	3.483	3.481	0.002	401845	0.5000	0.5302	
2	3.833	3.830	0.003	627727	0.5000	0.5748	
2	3.955	3.952	0.003	342683	0.5000	0.4896	
2	4.353	4.349	0.003	313303	0.5000	0.5536	
		Average of Peak Amounts =				0.5251	
						RPD = 12.05	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
14 PCB-1242							M
1	2.974	2.973	0.001	151630		0.5366	
1	3.308	3.305	0.003	205287		0.5807	
1	3.683	3.681	0.002	642040		0.7212	M
1	3.769	3.767	0.002	315558		0.6298	
1	4.138	4.137	0.001	254425		0.6743	
		Average of Peak Amounts =				0.6285	
2	3.132	3.130	0.002	161122		0.6307	
2	3.483	3.481	0.002	401845		0.7114	
2	3.833	3.831	0.002	627727		0.7853	
2	3.955	3.953	0.003	342683		0.6875	
2	4.353	4.352	0.000	313303		0.6393	
		Average of Peak Amounts =				0.6909	
						RPD = 9.45	
8 PCB-1260							
1	5.186	5.185	0.001	434877	0.5000	0.4455	
1	5.370	5.368	0.002	490730	0.5000	0.4495	
1	5.614	5.613	0.001	604904	0.5000	0.4391	
1	5.757	5.755	0.002	369976	0.5000	0.4259	
1	6.237	6.234	0.003	771185	0.5000	0.3659	
		Average of Peak Amounts =				0.4252	
2	5.357	5.354	0.003	544319	0.5000	0.5661	
2	5.457	5.456	0.001	559763	0.5000	0.5171	
2	5.824	5.823	0.002	548866	0.5000	0.5455	
2	6.218	6.218	0.000	528927	0.5000	0.5541	
2	6.396	6.394	0.002	1204301	0.5000	0.5141	
		Average of Peak Amounts =				0.5394	
						RPD = 23.68	
$ 13 DCB Decachlorobiphenyl							
1	8.447	8.443	0.004	307712	0.0200	0.0169	
2	8.879	8.881	-0.002	405400	0.0200	0.0212	
						RPD = 23.08	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

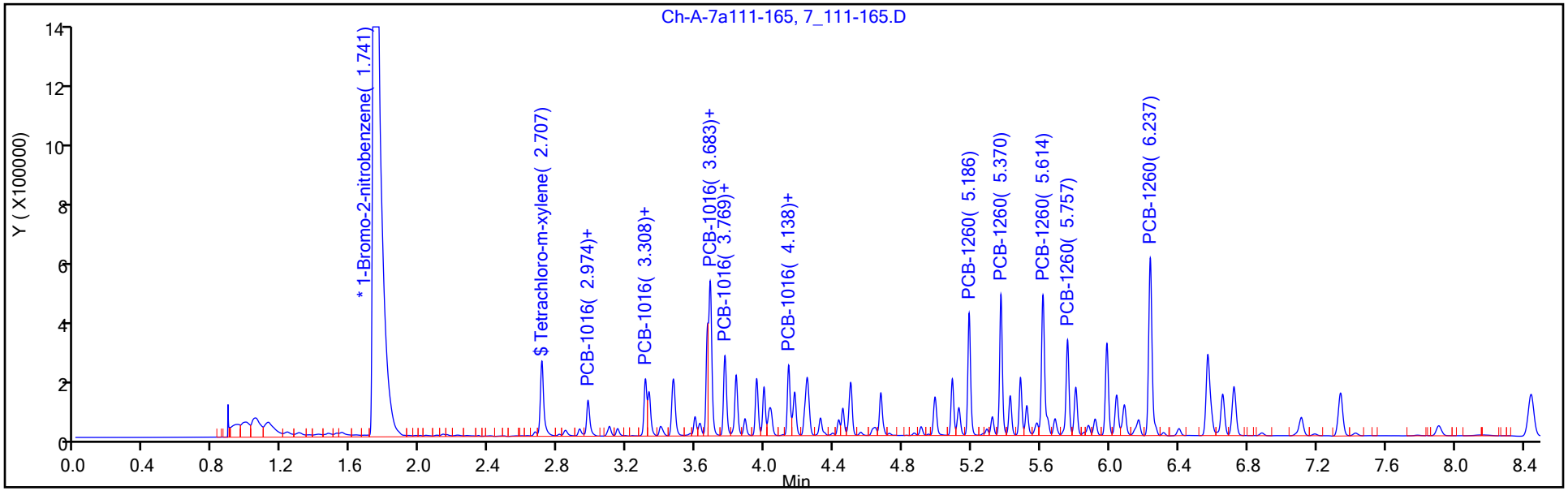
PCB IS 1B2NB_00081 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 26-Oct-2021 13:10:22 Chrom Revision: 2.3 22-Sep-2021 15:38:46

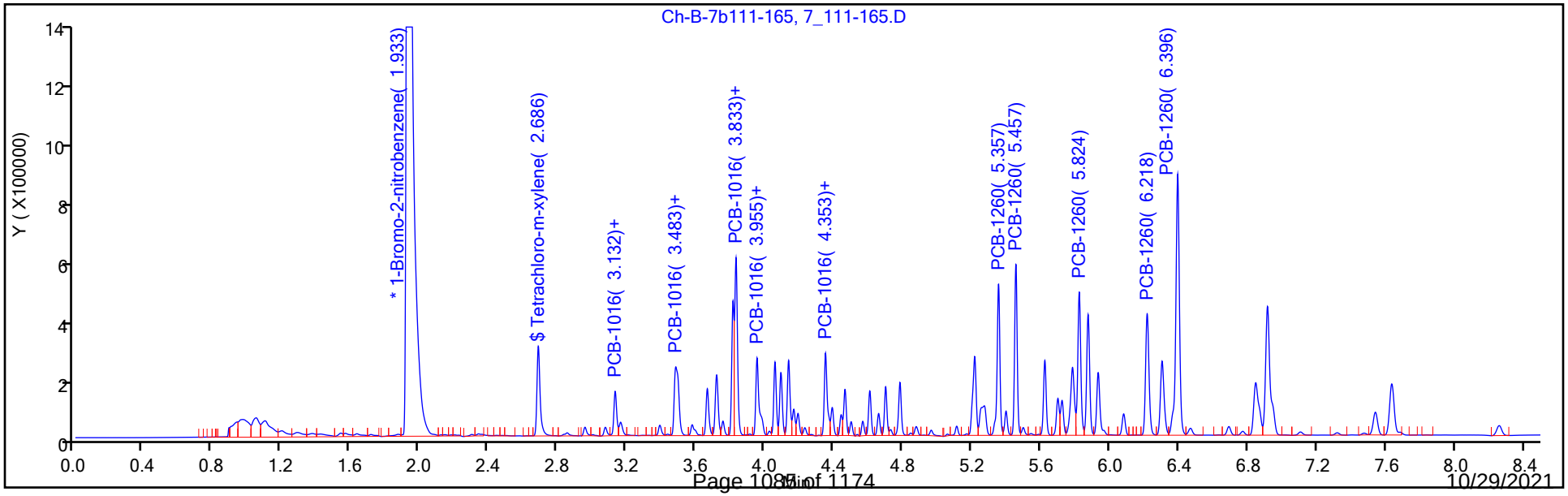
Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-165.D				
Injection Date:	25-Oct-2021 18:03:37	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	480-191204-A-1-A MS			Worklist Smp#:	26
Client ID:	BOR-MW-2B-WG				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 26-Oct-2021 13:10:23 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-165.D

Injection Date: 25-Oct-2021 18:03:37 Instrument ID: HP6890-7

Lims ID: 480-191204-A-1-A MS

Client ID: BOR-MW-2B-WG

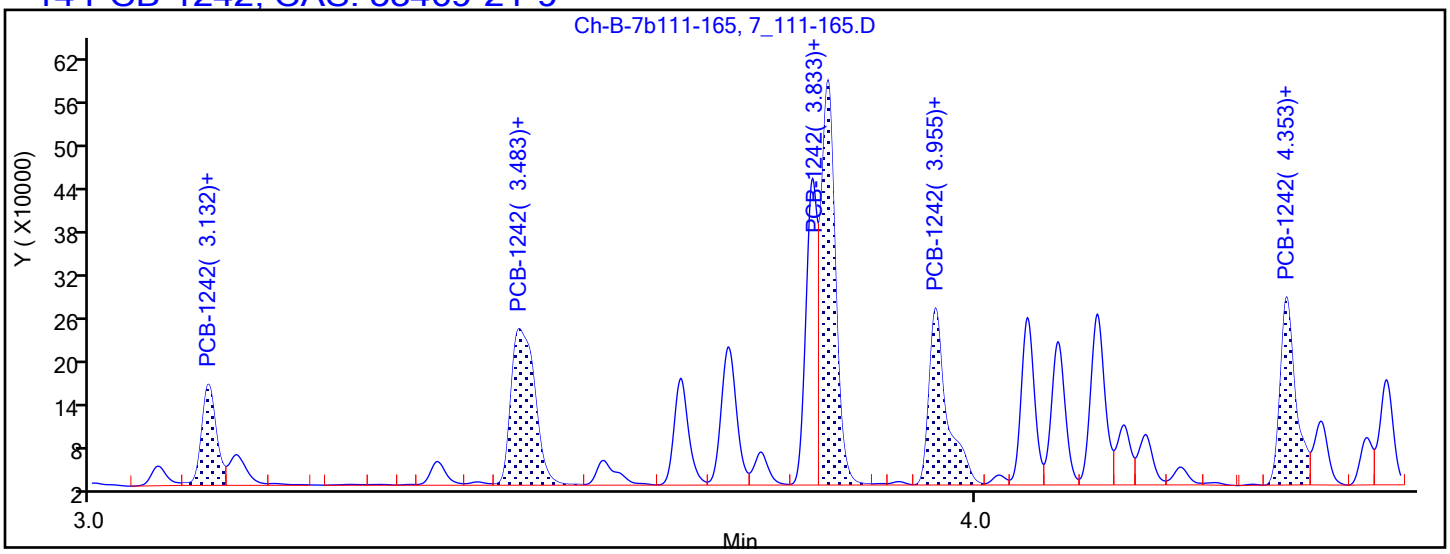
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 26

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

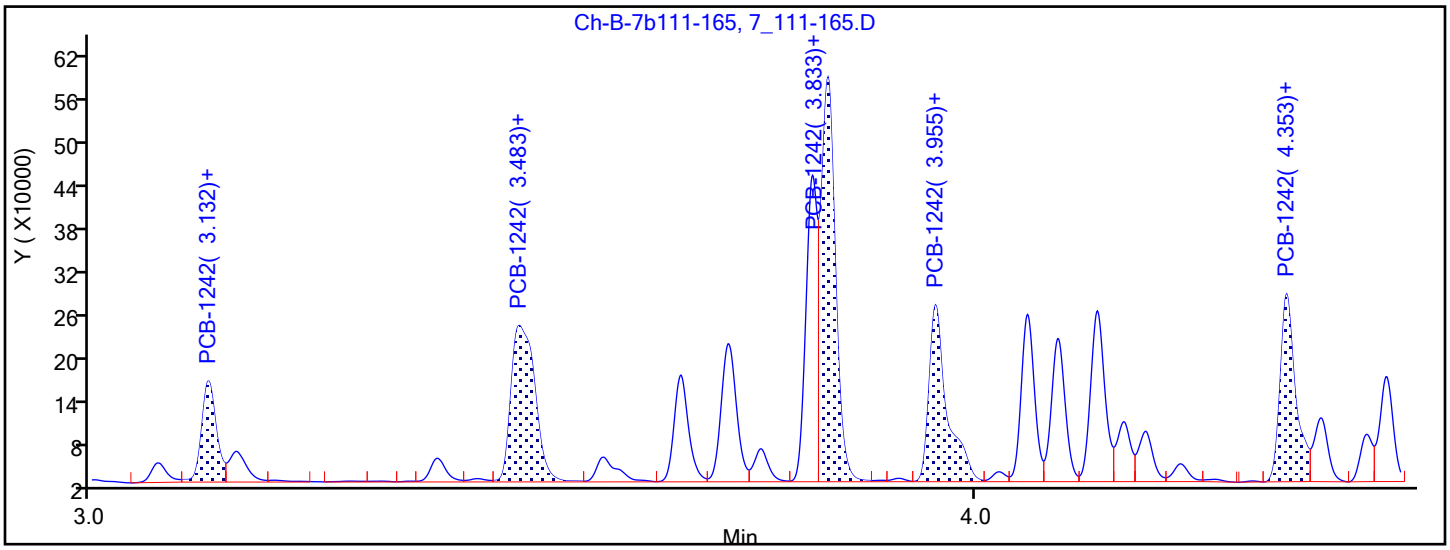
Column: ZB-35 (0.53 mm) Detector Ch-B-7b136

14 PCB-1242, CAS: 53469-21-9



Processing Integration Results

3.132	Response = 161122
3.483	Response = 401845
3.833	Response = 627727
3.955	Response = 342683
4.353	Response = 313303



Manual Integration Results

3.132	Response = 161122	M
3.483	Response = 401845	M
3.833	Response = 627727	M
3.955	Response = 342683	M
4.353	Response = 313303	M

Reviewer: chumongkolratn, 26-Oct-2021 13:07:17

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Client Sample ID: BOR-MW-2B-WG MSD Lab Sample ID: 480-191204-1 MSD

Matrix: Water Lab File ID: 7_111-166.D

Analysis Method: 8082A Date Collected: 10/20/2021 13:20

Extraction Method: 3510C Date Extracted: 10/21/2021 14:54

Sample wt/vol: 250(mL) Date Analyzed: 10/25/2021 18:16

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-5 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 601894 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	84		39-121
2051-24-3	DCB Decachlorobiphenyl	96		19-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-166.D
Lims ID: 480-191204-A-1-B MSD
Client ID: BOR-MW-2B-WG
Sample Type: MSD
Inject. Date: 25-Oct-2021 18:16:25 ALS Bottle#: 0 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 26-Oct-2021 13:10:05 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1634

First Level Reviewer: chumongkolratn Date: 26-Oct-2021 13:10:05

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.740	1.738	0.002	8405959	0.5000	0.5000	
2	1.933	1.932	0.001	8180444	0.5000	0.5000	
						RPD = 0.00	
$ 3 Tetrachloro-m-xylene							
1	2.706	2.704	0.002	361204	0.0200	0.0168	
2	2.686	2.683	0.004	389481	0.0200	0.0182	
						RPD = 8.20	
4 PCB-1016							
1	2.974	2.973	0.001	159864	0.5000	0.4583	
1	3.307	3.305	0.002	219574	0.5000	0.4816	
1	3.683	3.683	0.000	642308	0.5000	0.5700	
1	3.768	3.768	0.000	334234	0.5000	0.5456	
1	4.138	4.138	0.000	271381	0.5000	0.5763	
		Average of Peak Amounts =				0.5264	
2	3.132	3.129	0.003	169500	0.5000	0.5402	
2	3.483	3.481	0.002	432027	0.5000	0.6132	
2	3.833	3.830	0.003	659567	0.5000	0.6491	
2	3.954	3.952	0.002	365086	0.5000	0.5603	
2	4.352	4.349	0.003	345821	0.5000	0.6575	
		Average of Peak Amounts =				0.6041	
						RPD = 13.75	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
14 PCB-1242							
1	2.974	2.973	0.001	159864		0.6111	
1	3.307	3.305	0.002	219574		0.6708	
1	3.683	3.681	0.001	642308		0.7775	
1	3.768	3.767	0.001	334234		0.7201	
1	4.138	4.137	0.001	271381		0.7759	
		Average of Peak Amounts =				0.7111	
2	3.132	3.130	0.002	169500		0.7143	
2	3.483	3.481	0.002	432027		0.8231	
2	3.833	3.831	0.002	659567		0.8870	
2	3.954	3.953	0.002	365086		0.7880	
2	4.352	4.352	0.000	345821		0.7594	
		Average of Peak Amounts =				0.7944	
						RPD = 11.06	
8 PCB-1260							
1	5.186	5.185	0.001	476937	0.5000	0.5273	
1	5.369	5.368	0.001	538026	0.5000	0.5323	
1	5.614	5.613	0.001	652670	0.5000	0.5111	
1	5.757	5.755	0.002	393561	0.5000	0.4888	
1	6.238	6.234	0.004	868039	0.5000	0.4445	
		Average of Peak Amounts =				0.5008	
2	5.356	5.354	0.002	571592	0.5000	0.6390	
2	5.458	5.456	0.002	579318	0.5000	0.5748	
2	5.824	5.823	0.002	566220	0.5000	0.6047	
2	6.218	6.218	0.000	548440	0.5000	0.6173	
2	6.394	6.394	0.000	1254508	0.5000	0.5754	
		Average of Peak Amounts =				0.6022	
						RPD = 18.39	
$ 13 DCB Decachlorobiphenyl							
1	8.447	8.443	0.004	324670	0.0200	0.0192	
2	8.880	8.881	-0.001	427813	0.0200	0.0241	
						RPD = 22.74	

QC Flag Legend

Processing Flags

Reagents:

PCB IS 1B2NB_00081 Amount Added: 10.00 Units: uL Run Reagent

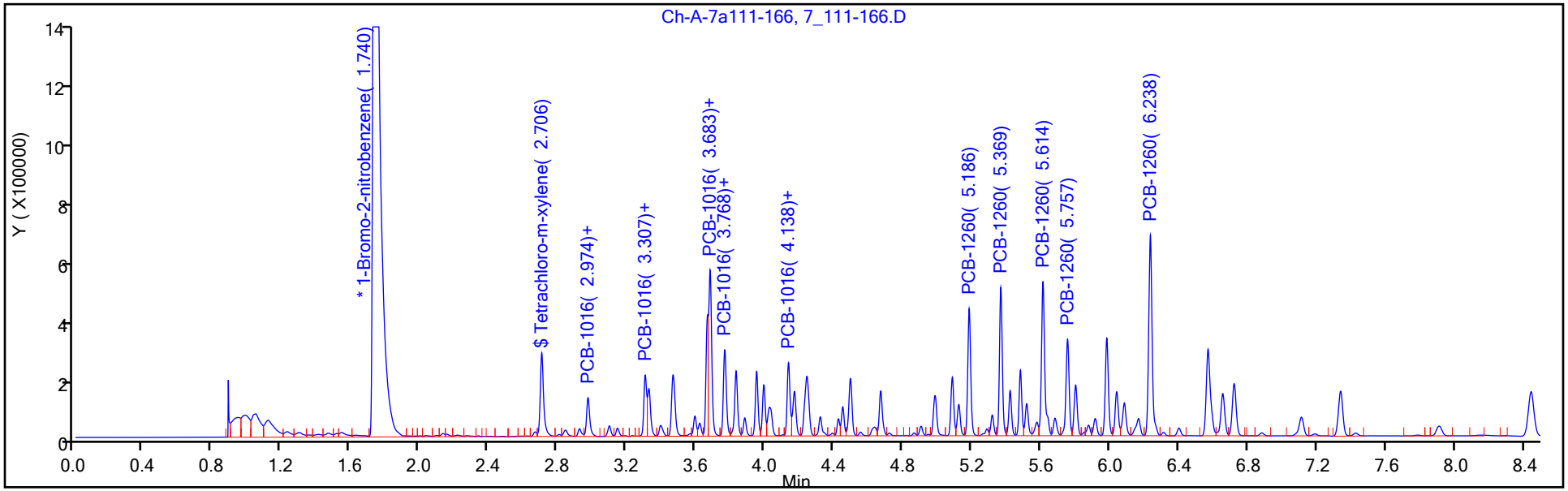
Report Date: 26-Oct-2021 13:10:05 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

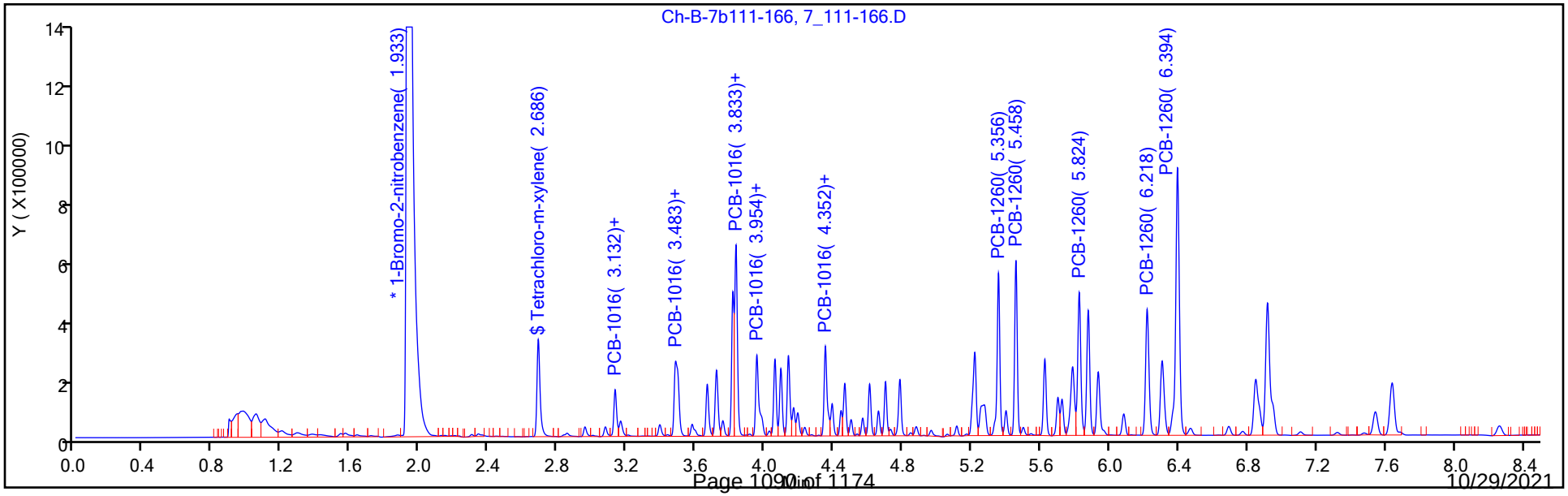
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-166.D

Injection Date:	25-Oct-2021 18:16:25	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	480-191204-A-1-B MSD			Worklist Smp#:	27
Client ID:	BOR-MW-2B-WG				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 26-Oct-2021 13:10:06 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-166.D

Injection Date: 25-Oct-2021 18:16:25 Instrument ID: HP6890-7

Lims ID: 480-191204-A-1-B MSD

Client ID: BOR-MW-2B-WG

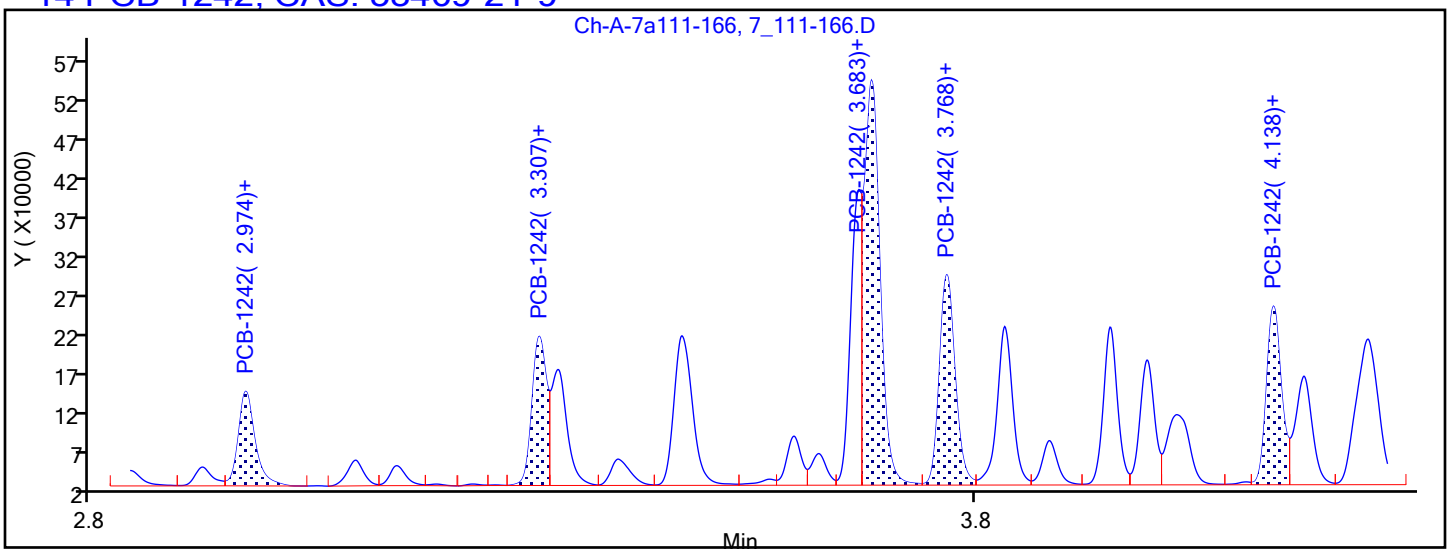
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 27

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

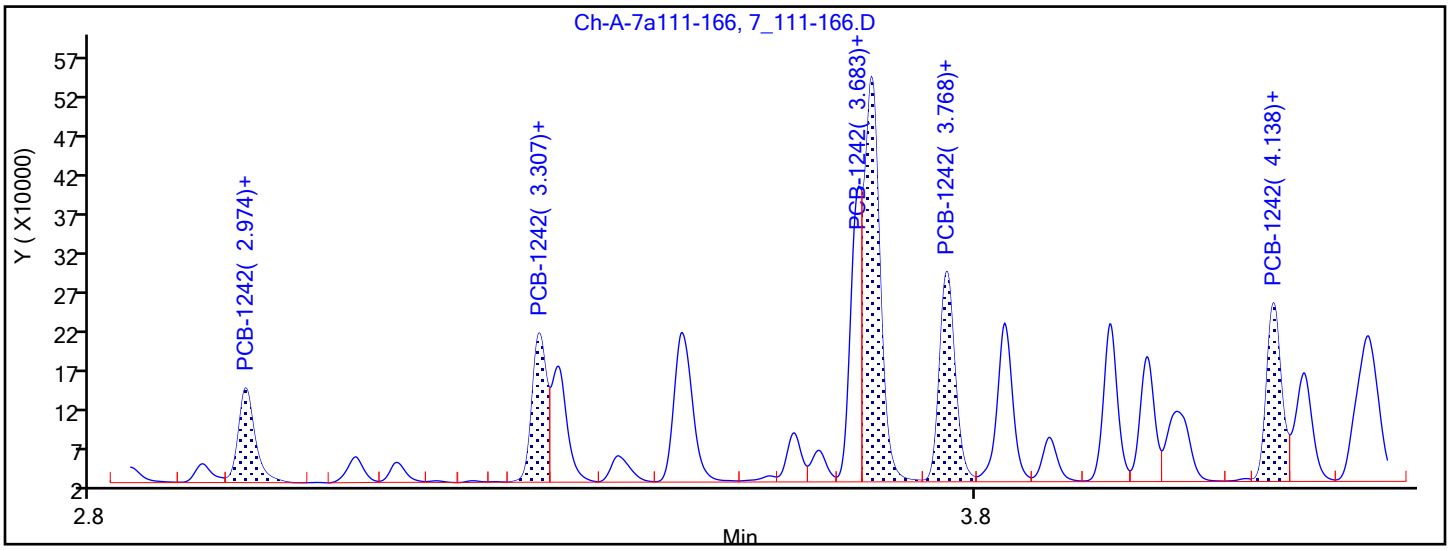
Column: ZB-5 (0.53 mm) Detector Ch-A-7A136

14 PCB-1242, CAS: 53469-21-9



Processing Integration Results

2.974	Response = 159864
3.307	Response = 219574
3.683	Response = 642308
3.768	Response = 334234
4.138	Response = 271381



Manual Integration Results

2.974	Response = 159864	
3.307	Response = 219574	M
3.683	Response = 642308	M
3.768	Response = 334234	M
4.138	Response = 271381	M

Reviewer: chumongkolratn, 26-Oct-2021 13:07:57

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Client Sample ID: BOR-MW-2B-WG MSD Lab Sample ID: 480-191204-1 MSD

Matrix: Water Lab File ID: 7_111-166.D

Analysis Method: 8082A Date Collected: 10/20/2021 13:20

Extraction Method: 3510C Date Extracted: 10/21/2021 14:54

Sample wt/vol: 250(mL) Date Analyzed: 10/25/2021 18:16

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-35 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 601894 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	4.83		0.50	0.18
11104-28-2	PCB-1221	ND		0.50	0.18
11141-16-5	PCB-1232	ND		0.50	0.18
53469-21-9	PCB-1242	6.35		0.50	0.18
12672-29-6	PCB-1248	ND		0.50	0.18
11097-69-1	PCB-1254	ND		0.50	0.25
11096-82-5	PCB-1260	4.82		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	91		39-121
2051-24-3	DCB Decachlorobiphenyl	120		19-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-166.D
Lims ID: 480-191204-A-1-B MSD
Client ID: BOR-MW-2B-WG
Sample Type: MSD
Inject. Date: 25-Oct-2021 18:16:25 ALS Bottle#: 0 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 26-Oct-2021 13:10:05 Calib Date: 15-May-2021 01:06:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP6890-07\20210515-98608.b\7_97-040.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: CTX1634

First Level Reviewer: chumongkolratn Date: 26-Oct-2021 13:10:05

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.740	1.738	0.002	8405959	0.5000	0.5000	
2	1.933	1.932	0.001	8180444	0.5000	0.5000	
						RPD = 0.00	
$ 3 Tetrachloro-m-xylene							
1	2.706	2.704	0.002	361204	0.0200	0.0168	
2	2.686	2.683	0.004	389481	0.0200	0.0182	
						RPD = 8.20	
4 PCB-1016							
1	2.974	2.973	0.001	159864	0.5000	0.4583	
1	3.307	3.305	0.002	219574	0.5000	0.4816	
1	3.683	3.683	0.000	642308	0.5000	0.5700	
1	3.768	3.768	0.000	334234	0.5000	0.5456	
1	4.138	4.138	0.000	271381	0.5000	0.5763	
		Average of Peak Amounts =				0.5264	
2	3.132	3.129	0.003	169500	0.5000	0.5402	
2	3.483	3.481	0.002	432027	0.5000	0.6132	
2	3.833	3.830	0.003	659567	0.5000	0.6491	
2	3.954	3.952	0.002	365086	0.5000	0.5603	
2	4.352	4.349	0.003	345821	0.5000	0.6575	
		Average of Peak Amounts =				0.6041	
						RPD = 13.75	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
14 PCB-1242							
1	2.974	2.973	0.001	159864		0.6111	
1	3.307	3.305	0.002	219574		0.6708	
1	3.683	3.681	0.001	642308		0.7775	
1	3.768	3.767	0.001	334234		0.7201	
1	4.138	4.137	0.001	271381		0.7759	
		Average of Peak Amounts =				0.7111	
2	3.132	3.130	0.002	169500		0.7143	
2	3.483	3.481	0.002	432027		0.8231	
2	3.833	3.831	0.002	659567		0.8870	
2	3.954	3.953	0.002	365086		0.7880	
2	4.352	4.352	0.000	345821		0.7594	
		Average of Peak Amounts =				0.7944	
						RPD = 11.06	
8 PCB-1260							
1	5.186	5.185	0.001	476937	0.5000	0.5273	
1	5.369	5.368	0.001	538026	0.5000	0.5323	
1	5.614	5.613	0.001	652670	0.5000	0.5111	
1	5.757	5.755	0.002	393561	0.5000	0.4888	
1	6.238	6.234	0.004	868039	0.5000	0.4445	
		Average of Peak Amounts =				0.5008	
2	5.356	5.354	0.002	571592	0.5000	0.6390	
2	5.458	5.456	0.002	579318	0.5000	0.5748	
2	5.824	5.823	0.002	566220	0.5000	0.6047	
2	6.218	6.218	0.000	548440	0.5000	0.6173	
2	6.394	6.394	0.000	1254508	0.5000	0.5754	
		Average of Peak Amounts =				0.6022	
						RPD = 18.39	
$ 13 DCB Decachlorobiphenyl							
1	8.447	8.443	0.004	324670	0.0200	0.0192	
2	8.880	8.881	-0.001	427813	0.0200	0.0241	
						RPD = 22.74	

QC Flag Legend

Processing Flags

Reagents:

PCB IS 1B2NB_00081 Amount Added: 10.00 Units: uL Run Reagent

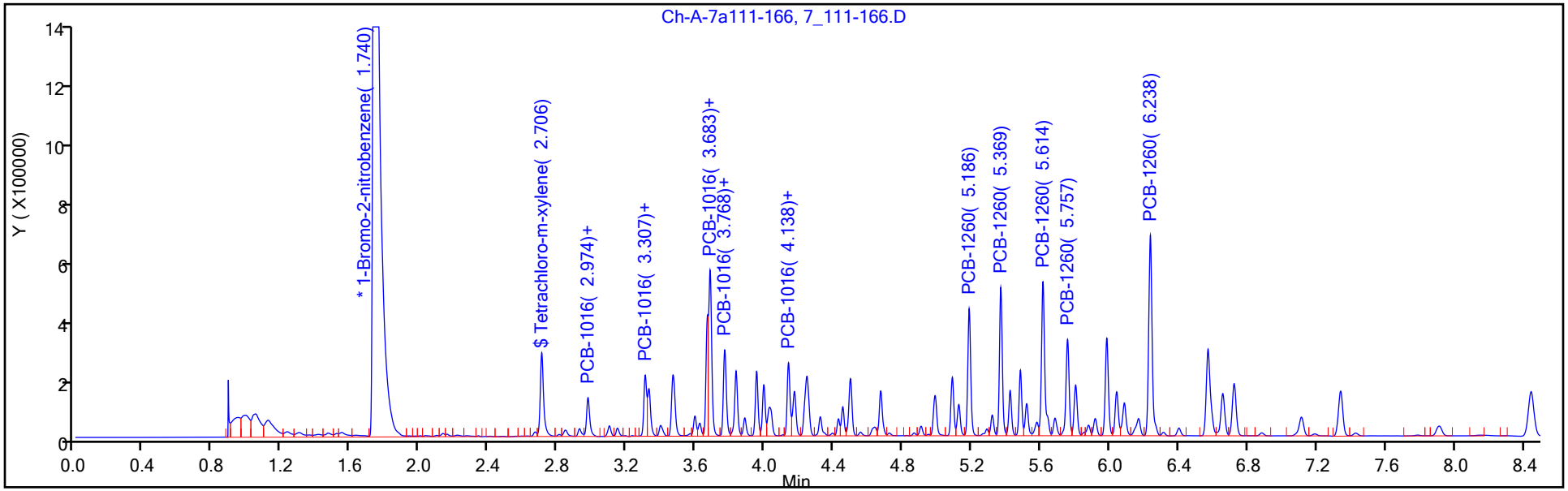
Report Date: 26-Oct-2021 13:10:06 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

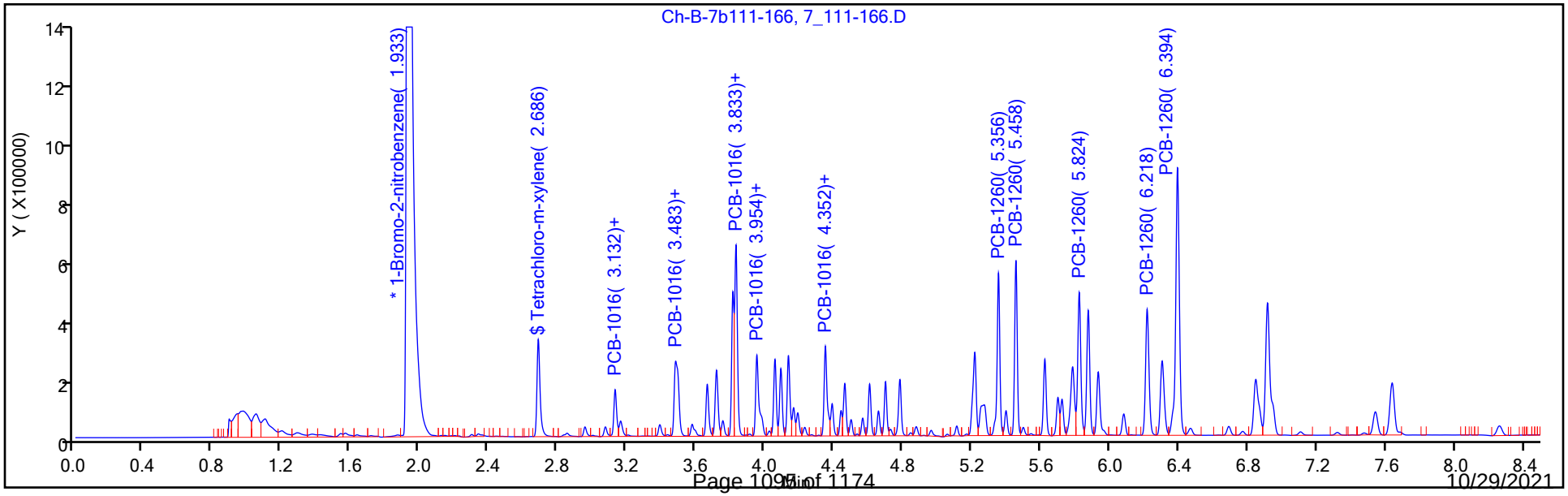
Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-166.D

Injection Date:	25-Oct-2021 18:16:25	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	480-191204-A-1-B MSD			Worklist Smp#:	27
Client ID:	BOR-MW-2B-WG				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 26-Oct-2021 13:10:06 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP6890-07\20211025-101900.b\7_111-166.D

Injection Date: 25-Oct-2021 18:16:25 Instrument ID: HP6890-7

Lims ID: 480-191204-A-1-B MSD

Client ID: BOR-MW-2B-WG

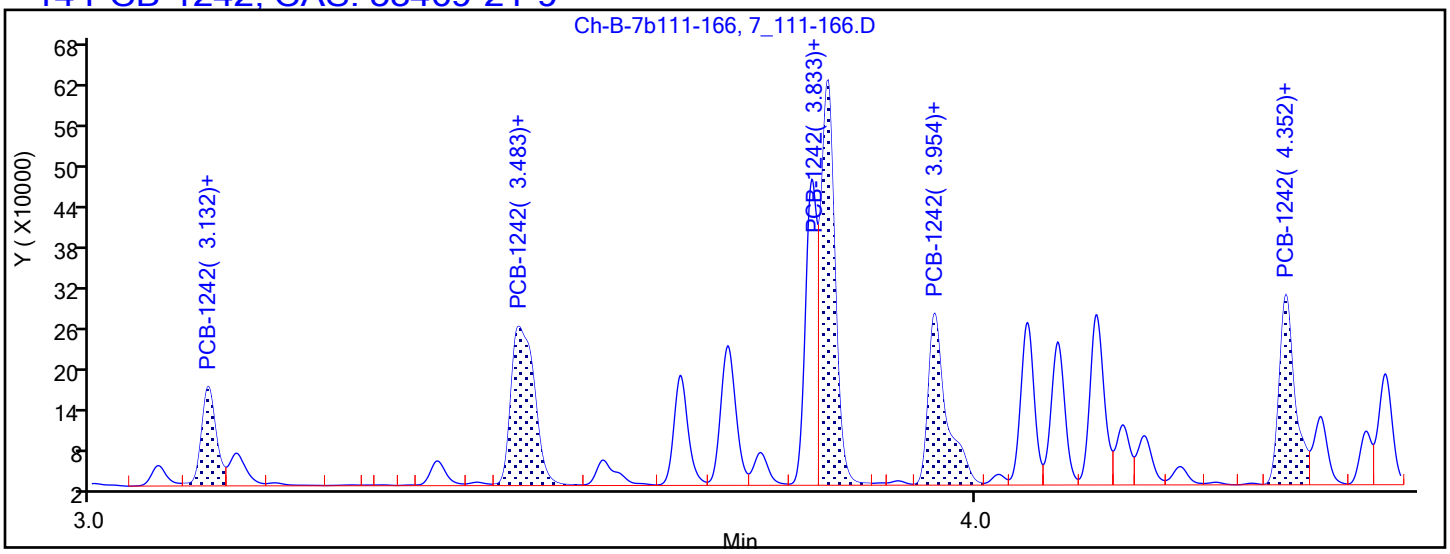
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 27

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

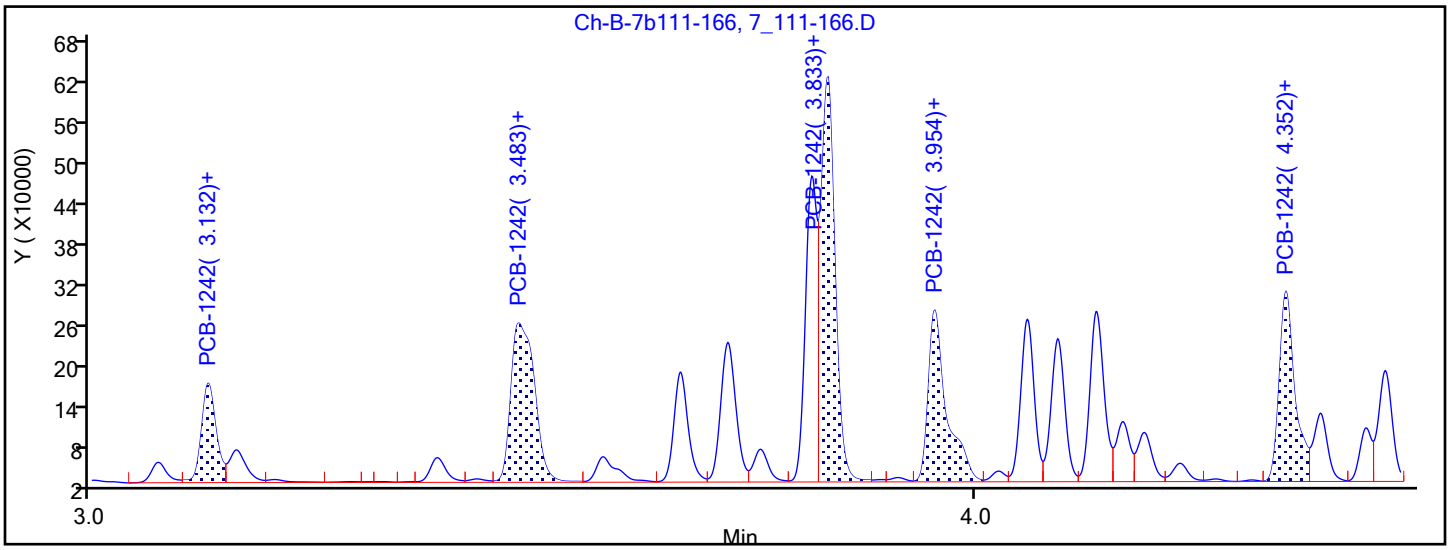
Column: ZB-35 (0.53 mm) Detector Ch-B-7b136

14 PCB-1242, CAS: 53469-21-9



Processing Integration Results

3.132	Response = 169500
3.483	Response = 432027
3.833	Response = 659567
3.954	Response = 365086
4.352	Response = 345821



Manual Integration Results

3.132	Response = 169500	M
3.483	Response = 432027	M
3.833	Response = 659567	M
3.954	Response = 365086	M
4.352	Response = 345821	M

Reviewer: chumongkolratn, 26-Oct-2021 13:07:57

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

PCBS ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Instrument ID: HP6890-7 Start Date: 05/14/2021 18:14

Analysis Batch Number: 581108 End Date: 05/15/2021 01:22

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 480-581108/2		05/14/2021 18:14	1	7_97-014.D	ZB-5 0.53(mm)
IC 480-581108/2		05/14/2021 18:14	1	7_97-014.D	ZB-35 0.53(mm)
IC 480-581108/3		05/14/2021 18:30	1	7_97-015.D	ZB-5 0.53(mm)
IC 480-581108/3		05/14/2021 18:30	1	7_97-015.D	ZB-35 0.53(mm)
IC 480-581108/4		05/14/2021 18:46	1	7_97-016.D	ZB-5 0.53(mm)
IC 480-581108/4		05/14/2021 18:46	1	7_97-016.D	ZB-35 0.53(mm)
IC 480-581108/5		05/14/2021 19:02	1	7_97-017.D	ZB-5 0.53(mm)
IC 480-581108/5		05/14/2021 19:02	1	7_97-017.D	ZB-35 0.53(mm)
ICIS 480-581108/6		05/14/2021 19:18	1	7_97-018.D	ZB-5 0.53(mm)
ICIS 480-581108/6		05/14/2021 19:18	1	7_97-018.D	ZB-35 0.53(mm)
IC 480-581108/7		05/14/2021 19:34	1	7_97-019.D	ZB-5 0.53(mm)
IC 480-581108/7		05/14/2021 19:34	1	7_97-019.D	ZB-35 0.53(mm)
IC 480-581108/8		05/14/2021 19:50	1	7_97-020.D	ZB-5 0.53(mm)
IC 480-581108/8		05/14/2021 19:50	1	7_97-020.D	ZB-35 0.53(mm)
ICV 480-581108/9		05/14/2021 20:05	1	7_97-021.D	ZB-5 0.53(mm)
ICV 480-581108/9		05/14/2021 20:05	1	7_97-021.D	ZB-35 0.53(mm)
CCV 480-581108/10		05/14/2021 20:21	1		ZB-5 0.53(mm)
CCV 480-581108/10		05/14/2021 20:21	1		ZB-35 0.53(mm)
CCVL 480-581108/13		05/14/2021 21:09	1		ZB-5 0.53(mm)
CCVL 480-581108/13		05/14/2021 21:09	1		ZB-35 0.53(mm)
IC 480-581108/14		05/14/2021 21:25	1	7_97-026.D	ZB-5 0.53(mm)
IC 480-581108/14		05/14/2021 21:25	1	7_97-026.D	ZB-35 0.53(mm)
IC 480-581108/15		05/14/2021 21:40	1	7_97-027.D	ZB-5 0.53(mm)
IC 480-581108/15		05/14/2021 21:40	1	7_97-027.D	ZB-35 0.53(mm)
IC 480-581108/16		05/14/2021 21:56	1	7_97-028.D	ZB-5 0.53(mm)
IC 480-581108/16		05/14/2021 21:56	1	7_97-028.D	ZB-35 0.53(mm)
ICV 480-581108/17		05/14/2021 22:12	1	7_97-029.D	ZB-5 0.53(mm)
ICV 480-581108/17		05/14/2021 22:12	1	7_97-029.D	ZB-35 0.53(mm)
IC 480-581108/18		05/14/2021 22:28	1	7_97-030.D	ZB-5 0.53(mm)
IC 480-581108/18		05/14/2021 22:28	1	7_97-030.D	ZB-35 0.53(mm)
IC 480-581108/19		05/14/2021 22:44	1	7_97-031.D	ZB-5 0.53(mm)
IC 480-581108/19		05/14/2021 22:44	1	7_97-031.D	ZB-35 0.53(mm)
IC 480-581108/20		05/14/2021 23:00	1	7_97-032.D	ZB-5 0.53(mm)
IC 480-581108/20		05/14/2021 23:00	1	7_97-032.D	ZB-35 0.53(mm)
ICV 480-581108/21		05/14/2021 23:15	1	7_97-033.D	ZB-5 0.53(mm)
ICV 480-581108/21		05/14/2021 23:15	1	7_97-033.D	ZB-35 0.53(mm)
IC 480-581108/22		05/14/2021 23:31	1	7_97-034.D	ZB-5 0.53(mm)
IC 480-581108/22		05/14/2021 23:31	1	7_97-034.D	ZB-35 0.53(mm)
IC 480-581108/23		05/14/2021 23:47	1	7_97-035.D	ZB-5 0.53(mm)
IC 480-581108/23		05/14/2021 23:47	1	7_97-035.D	ZB-35 0.53(mm)
IC 480-581108/24		05/15/2021 00:03	1	7_97-036.D	ZB-5 0.53(mm)
IC 480-581108/24		05/15/2021 00:03	1	7_97-036.D	ZB-35 0.53(mm)
ICV 480-581108/25		05/15/2021 00:19	1	7_97-037.D	ZB-5 0.53(mm)
ICV 480-581108/25		05/15/2021 00:19	1	7_97-037.D	ZB-35 0.53(mm)
IC 480-581108/26		05/15/2021 00:35	1	7_97-038.D	ZB-5 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Instrument ID: HP6890-7 Start Date: 05/14/2021 18:14

Analysis Batch Number: 581108 End Date: 05/15/2021 01:22

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 480-581108/26		05/15/2021 00:35	1	7_97-038.D	ZB-35 0.53(mm)
IC 480-581108/27		05/15/2021 00:50	1	7_97-039.D	ZB-5 0.53(mm)
IC 480-581108/27		05/15/2021 00:50	1	7_97-039.D	ZB-35 0.53(mm)
IC 480-581108/28		05/15/2021 01:06	1	7_97-040.D	ZB-5 0.53(mm)
IC 480-581108/28		05/15/2021 01:06	1	7_97-040.D	ZB-35 0.53(mm)
ICV 480-581108/29		05/15/2021 01:22	1	7_97-041.D	ZB-5 0.53(mm)
ICV 480-581108/29		05/15/2021 01:22	1	7_97-041.D	ZB-35 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Instrument ID: HP6890-7 Start Date: 10/25/2021 13:46

Analysis Batch Number: 601894 End Date: 10/26/2021 05:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVIS 480-601894/6		10/25/2021 13:46	1	7_111-145.D	ZB-5 0.53(mm)
CCVIS 480-601894/6		10/25/2021 13:46	1	7_111-145.D	ZB-35 0.53(mm)
CCV 480-601894/7		10/25/2021 13:59	1	7_111-146.D	ZB-5 0.53(mm)
CCV 480-601894/7		10/25/2021 13:59	1	7_111-146.D	ZB-35 0.53(mm)
CCV 480-601894/8		10/25/2021 14:12	1	7_111-147.D	ZB-5 0.53(mm)
CCV 480-601894/8		10/25/2021 14:12	1	7_111-147.D	ZB-35 0.53(mm)
CCV 480-601894/9		10/25/2021 14:24	1	7_111-148.D	ZB-5 0.53(mm)
CCV 480-601894/9		10/25/2021 14:24	1	7_111-148.D	ZB-35 0.53(mm)
CCV 480-601894/10		10/25/2021 14:37	1	7_111-149.D	ZB-5 0.53(mm)
CCV 480-601894/10		10/25/2021 14:37	1	7_111-149.D	ZB-35 0.53(mm)
ZZZZZ		10/25/2021 15:03	1		ZB-5 0.53(mm)
ZZZZZ		10/25/2021 15:03	1		ZB-35 0.53(mm)
ZZZZZ		10/25/2021 15:16	20		ZB-5 0.53(mm)
ZZZZZ		10/25/2021 15:16	20		ZB-35 0.53(mm)
ZZZZZ		10/25/2021 15:29	10		ZB-5 0.53(mm)
ZZZZZ		10/25/2021 15:29	10		ZB-35 0.53(mm)
ZZZZZ		10/25/2021 15:42	10		ZB-5 0.53(mm)
ZZZZZ		10/25/2021 15:42	10		ZB-35 0.53(mm)
ZZZZZ		10/25/2021 15:55	10		ZB-5 0.53(mm)
ZZZZZ		10/25/2021 15:55	10		ZB-35 0.53(mm)
ZZZZZ		10/25/2021 16:07	10		ZB-5 0.53(mm)
ZZZZZ		10/25/2021 16:07	10		ZB-35 0.53(mm)
ZZZZZ		10/25/2021 16:20	20		ZB-5 0.53(mm)
ZZZZZ		10/25/2021 16:20	20		ZB-35 0.53(mm)
ZZZZZ		10/25/2021 16:33	5		ZB-5 0.53(mm)
ZZZZZ		10/25/2021 16:33	5		ZB-35 0.53(mm)
ZZZZZ		10/25/2021 16:46	5		ZB-5 0.53(mm)
ZZZZZ		10/25/2021 16:46	5		ZB-35 0.53(mm)
ZZZZZ		10/25/2021 16:59	5		ZB-5 0.53(mm)
ZZZZZ		10/25/2021 16:59	5		ZB-35 0.53(mm)
ZZZZZ		10/25/2021 17:12	10		ZB-5 0.53(mm)
ZZZZZ		10/25/2021 17:12	10		ZB-35 0.53(mm)
ZZZZZ		10/25/2021 17:25	1		ZB-5 0.53(mm)
ZZZZZ		10/25/2021 17:25	1		ZB-35 0.53(mm)
MB 480-601489/1-A		10/25/2021 17:37	1	7_111-163.D	ZB-5 0.53(mm)
MB 480-601489/1-A		10/25/2021 17:37	1	7_111-163.D	ZB-35 0.53(mm)
LCS 480-601489/2-A		10/25/2021 17:50	1	7_111-164.D	ZB-5 0.53(mm)
LCS 480-601489/2-A		10/25/2021 17:50	1	7_111-164.D	ZB-35 0.53(mm)
480-191204-1 MS	BOR-MW-2B-WG MS	10/25/2021 18:03	1	7_111-165.D	ZB-5 0.53(mm)
480-191204-1 MS	BOR-MW-2B-WG MS	10/25/2021 18:03	1	7_111-165.D	ZB-35 0.53(mm)
480-191204-1 MSD	BOR-MW-2B-WG MSD	10/25/2021 18:16	1	7_111-166.D	ZB-5 0.53(mm)
480-191204-1 MSD	BOR-MW-2B-WG MSD	10/25/2021 18:16	1	7_111-166.D	ZB-35 0.53(mm)
480-191204-1	BOR-MW-2B-WG	10/25/2021 18:29	1	7_111-167.D	ZB-5 0.53(mm)
480-191204-1	BOR-MW-2B-WG	10/25/2021 18:29	1	7_111-167.D	ZB-35 0.53(mm)
ZZZZZ		10/25/2021 18:42	1		ZB-5 0.53(mm)

8082A

PCBS ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Instrument ID: HP6890-7 Start Date: 10/25/2021 13:46

Analysis Batch Number: 601894 End Date: 10/26/2021 05:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		10/25/2021 18:42	1		ZB-35 0.53(mm)
ZZZZZ		10/25/2021 18:54	1		ZB-5 0.53(mm)
ZZZZZ		10/25/2021 18:54	1		ZB-35 0.53(mm)
ZZZZZ		10/25/2021 19:07	1		ZB-5 0.53(mm)
ZZZZZ		10/25/2021 19:07	1		ZB-35 0.53(mm)
CCV 480-601894/32		10/25/2021 19:20	1	7_111-171.D	ZB-5 0.53(mm)
CCV 480-601894/32		10/25/2021 19:20	1	7_111-171.D	ZB-35 0.53(mm)
ZZZZZ		10/25/2021 19:46	1		ZB-5 0.53(mm)
ZZZZZ		10/25/2021 19:46	1		ZB-35 0.53(mm)
ZZZZZ		10/25/2021 19:59	1		ZB-5 0.53(mm)
ZZZZZ		10/25/2021 19:59	1		ZB-35 0.53(mm)
ZZZZZ		10/25/2021 20:12	1		ZB-5 0.53(mm)
ZZZZZ		10/25/2021 20:12	1		ZB-35 0.53(mm)
ZZZZZ		10/25/2021 20:25	1		ZB-5 0.53(mm)
ZZZZZ		10/25/2021 20:25	1		ZB-35 0.53(mm)
480-191204-3	BOR-DUP-1-WG	10/25/2021 20:37	1	7_111-177.D	ZB-5 0.53(mm)
480-191204-3	BOR-DUP-1-WG	10/25/2021 20:37	1	7_111-177.D	ZB-35 0.53(mm)
480-191204-4	BOR-MW-17-1-WG	10/25/2021 20:50	1	7_111-178.D	ZB-5 0.53(mm)
480-191204-4	BOR-MW-17-1-WG	10/25/2021 20:50	1	7_111-178.D	ZB-35 0.53(mm)
ZZZZZ		10/25/2021 21:03	1		ZB-5 0.53(mm)
ZZZZZ		10/25/2021 21:03	1		ZB-35 0.53(mm)
ZZZZZ		10/25/2021 21:16	1		ZB-5 0.53(mm)
ZZZZZ		10/25/2021 21:16	1		ZB-35 0.53(mm)
ZZZZZ		10/25/2021 21:29	1		ZB-5 0.53(mm)
ZZZZZ		10/25/2021 21:29	1		ZB-35 0.53(mm)
ZZZZZ		10/25/2021 21:42	1		ZB-5 0.53(mm)
ZZZZZ		10/25/2021 21:42	1		ZB-35 0.53(mm)
ZZZZZ		10/25/2021 21:55	1		ZB-5 0.53(mm)
ZZZZZ		10/25/2021 21:55	1		ZB-35 0.53(mm)
ZZZZZ		10/25/2021 22:07	1		ZB-5 0.53(mm)
ZZZZZ		10/25/2021 22:07	1		ZB-35 0.53(mm)
ZZZZZ		10/25/2021 22:20	20		ZB-5 0.53(mm)
ZZZZZ		10/25/2021 22:20	20		ZB-35 0.53(mm)
ZZZZZ		10/25/2021 22:33	1		ZB-5 0.53(mm)
ZZZZZ		10/25/2021 22:33	1		ZB-35 0.53(mm)
ZZZZZ		10/25/2021 22:46	1		ZB-5 0.53(mm)
ZZZZZ		10/25/2021 22:46	1		ZB-35 0.53(mm)
ZZZZZ		10/25/2021 22:59	1		ZB-5 0.53(mm)
ZZZZZ		10/25/2021 22:59	1		ZB-35 0.53(mm)
ZZZZZ		10/25/2021 23:12	1		ZB-5 0.53(mm)
ZZZZZ		10/25/2021 23:12	1		ZB-35 0.53(mm)
ZZZZZ		10/25/2021 23:25	1		ZB-5 0.53(mm)
ZZZZZ		10/25/2021 23:25	1		ZB-35 0.53(mm)
ZZZZZ		10/25/2021 23:37	1		ZB-5 0.53(mm)
ZZZZZ		10/25/2021 23:37	1		ZB-35 0.53(mm)

8082A

PCBS ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Instrument ID: HP6890-7 Start Date: 10/25/2021 13:46

Analysis Batch Number: 601894 End Date: 10/26/2021 05:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		10/25/2021 23:50	1		ZB-5 0.53(mm)
ZZZZZ		10/25/2021 23:50	1		ZB-35 0.53(mm)
CCV 480-601894/54		10/26/2021 00:03	1	7_111-193.D	ZB-5 0.53(mm)
CCV 480-601894/54		10/26/2021 00:03	1	7_111-193.D	ZB-35 0.53(mm)
ZZZZZ		10/26/2021 00:29	1		ZB-5 0.53(mm)
ZZZZZ		10/26/2021 00:29	1		ZB-35 0.53(mm)
ZZZZZ		10/26/2021 00:42	1		ZB-5 0.53(mm)
ZZZZZ		10/26/2021 00:42	1		ZB-35 0.53(mm)
ZZZZZ		10/26/2021 00:54	1		ZB-5 0.53(mm)
ZZZZZ		10/26/2021 00:54	1		ZB-35 0.53(mm)
ZZZZZ		10/26/2021 01:07	1		ZB-5 0.53(mm)
ZZZZZ		10/26/2021 01:07	1		ZB-35 0.53(mm)
ZZZZZ		10/26/2021 01:20	1		ZB-5 0.53(mm)
ZZZZZ		10/26/2021 01:20	1		ZB-35 0.53(mm)
ZZZZZ		10/26/2021 01:33	1		ZB-5 0.53(mm)
ZZZZZ		10/26/2021 01:33	1		ZB-35 0.53(mm)
ZZZZZ		10/26/2021 01:46	1		ZB-5 0.53(mm)
ZZZZZ		10/26/2021 01:46	1		ZB-35 0.53(mm)
ZZZZZ		10/26/2021 01:59	1		ZB-5 0.53(mm)
ZZZZZ		10/26/2021 01:59	1		ZB-35 0.53(mm)
ZZZZZ		10/26/2021 02:12	1		ZB-5 0.53(mm)
ZZZZZ		10/26/2021 02:12	1		ZB-35 0.53(mm)
ZZZZZ		10/26/2021 02:24	1		ZB-5 0.53(mm)
ZZZZZ		10/26/2021 02:24	1		ZB-35 0.53(mm)
ZZZZZ		10/26/2021 02:37	1		ZB-5 0.53(mm)
ZZZZZ		10/26/2021 02:37	1		ZB-35 0.53(mm)
ZZZZZ		10/26/2021 02:50	1		ZB-5 0.53(mm)
ZZZZZ		10/26/2021 02:50	1		ZB-35 0.53(mm)
ZZZZZ		10/26/2021 03:03	1		ZB-5 0.53(mm)
ZZZZZ		10/26/2021 03:03	1		ZB-35 0.53(mm)
ZZZZZ		10/26/2021 03:16	1		ZB-5 0.53(mm)
ZZZZZ		10/26/2021 03:16	1		ZB-35 0.53(mm)
ZZZZZ		10/26/2021 03:29	1		ZB-5 0.53(mm)
ZZZZZ		10/26/2021 03:29	1		ZB-35 0.53(mm)
ZZZZZ		10/26/2021 03:42	1		ZB-5 0.53(mm)
ZZZZZ		10/26/2021 03:42	1		ZB-35 0.53(mm)
ZZZZZ		10/26/2021 03:54	1		ZB-5 0.53(mm)
ZZZZZ		10/26/2021 03:54	1		ZB-35 0.53(mm)
ZZZZZ		10/26/2021 04:07	1		ZB-5 0.53(mm)
ZZZZZ		10/26/2021 04:07	1		ZB-35 0.53(mm)
ZZZZZ		10/26/2021 04:20	1		ZB-5 0.53(mm)
ZZZZZ		10/26/2021 04:20	1		ZB-35 0.53(mm)
ZZZZZ		10/26/2021 04:33	1		ZB-5 0.53(mm)
ZZZZZ		10/26/2021 04:33	1		ZB-35 0.53(mm)
CCV 480-601894/76		10/26/2021 04:46	1		ZB-5 0.53(mm)

8082A

PCBS ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Instrument ID: HP6890-7 Start Date: 10/25/2021 13:46

Analysis Batch Number: 601894 End Date: 10/26/2021 05:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 480-601894/76		10/26/2021 04:46	1		ZB-35 0.53(mm)
ZZZZZ		10/26/2021 05:11	1		ZB-5 0.53(mm)
ZZZZZ		10/26/2021 05:11	1		ZB-35 0.53(mm)
ZZZZZ		10/26/2021 05:24	1		ZB-5 0.53(mm)
ZZZZZ		10/26/2021 05:24	1		ZB-35 0.53(mm)

PCBS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Batch Number: 601489 Batch Start Date: 10/21/21 14:54 Batch Analyst: Campbell, Cameron M

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ReceivedpH	O_608PCBSpike 00022	O_PCBLLsurr 00066	
MB 480-601489/1		3510C, 8082A		250 mL	2 mL	7 SU		1 mL	
LCS 480-601489/2		3510C, 8082A		250 mL	2 mL	7 SU	1 mL	1 mL	
480-191204-A-1 MS	BOR-MW-2B-WG	3510C, 8082A	T	250 mL	2 mL	7 SU	1 mL	1 mL	
480-191204-A-1 MSD	BOR-MW-2B-WG	3510C, 8082A	T	250 mL	2 mL	7 SU	1 mL	1 mL	
480-191204-A-1	BOR-MW-2B-WG	3510C, 8082A	T	250 mL	2 mL	7 SU		1 mL	
480-191204-B-3	BOR-DUP-1-WG	3510C, 8082A	T	250 mL	2 mL	7 SU		1 mL	
480-191204-B-4	BOR-MW-17-1-WG	3510C, 8082A	T	250 mL	2 mL	7 SU		1 mL	

Batch Notes	
Method/Fraction	3510C_LVI_1YR/8082A
Analyst ID - Extraction	CC
Analyst ID - Spike Analyst	CC
Analyst ID - Spike Witness Analyst	CC
Sufficient Volume for Batch QC	No
Prep Solvent ID	6714719
Prep Solvent Volume Used	60 mL
Na2SO4 ID	6673814
Analyst ID - Concentration	CC
Exchange Solvent ID	6687569
Vial Lot Number	300938
Analyst ID - Clean Up	CC 10/21/21
Acid used for Clean Up ID	6534317
Copper ID	6580390

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8315A

Carbonyl Compounds by HPLC

FORM III
HPLC/IC LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 480-191204-1

SDG No.:

Matrix: Water Level: Low Lab File ID: SIG10004.D

Lab ID: LCS 240-509461/19-A Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
Formaldehyde	0.400	0.389	97	20-120	

Column to be used to flag recovery and RPD values

FORM III 8315A

FORM III
HPLC/IC MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 480-191204-1

SDG No.:

Matrix: Water Level: Low Lab File ID: SIG10012.D

Lab ID: 480-191204-8 MS Client ID: BOR-OW-10R-WG MS

COMPOUND	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC	QC LIMITS REC	#
Formaldehyde	0.400	ND	0.370	93	15-120	

Column to be used to flag recovery and RPD values

FORM III 8315A

FORM III
HPLC/IC MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 480-191204-1

SDG No.:

Matrix: Water Level: Low Lab File ID: SIG10014.D

Lab ID: 480-191204-8 MSD Client ID: BOR-OW-10R-WG MSD

COMPOUND	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Formaldehyde	0.400	0.353	88	5	35	15-120	

Column to be used to flag recovery and RPD values

FORM III 8315A

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 480-191204-1

SDG No.:

Lab File ID: SIG10003.D Lab Sample ID: MB 240-509461/18-A

Matrix: Water Date Extracted: 10/22/2021 11:26

Instrument ID: A2HPL2 Date Analyzed: 10/25/2021 12:57

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-509461/19-A	SIG10004.D	10/25/2021 13:06
BOR-MW-27-WG	480-191204-2	SIG10010.D	10/25/2021 14:00
BOR-OW-10R-WG	480-191204-8	SIG10011.D	10/25/2021 14:09
BOR-OW-10R-WG MS	480-191204-8 MS	SIG10012.D	10/25/2021 14:18
BOR-OW-10R-WG MSD	480-191204-8 MSD	SIG10014.D	10/25/2021 14:36
BOR-DUP-2-WG	480-191204-10	SIG10015.D	10/25/2021 14:45

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 480-191204-1

SDG No.:

Client Sample ID: BOR-MW-27-WG Lab Sample ID: 480-191204-2

Matrix: Water Lab File ID: SIG10010.D

Analysis Method: 8315A Date Collected: 10/20/2021 15:10

Extraction Method: 8315A_W_Prep Date Extracted: 10/22/2021 09:11

Sample wt/vol: 100(mL) Date Analyzed: 10/25/2021 14:00

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 10(uL) GC Column: Formaldehyde ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 509749 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	ND		0.050	0.041

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File:	\\chromfs\Canton\ChromData\A2HPL2\20211025-114414.b\SIG10010.D				
Lims ID:	480-191204-F-2-A				
Client ID:	BOR-MW-27-WG				
Sample Type:	Client				
Inject. Date:	25-Oct-2021 14:00:22	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	10.0 ul	Dil. Factor:	1.0000		
Sample Info:	240-0114414-010				
Operator ID:		Instrument ID:	A2HPL2		
Method:	\\chromfs\Canton\ChromData\A2HPL2\20211025-114414.b\Formaldehydel2.m				
Limit Group:	GC 8315A ICAL				
Last Update:	26-Oct-2021 06:21:42	Calib Date:	28-May-2021 13:02:31		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Canton\ChromData\A2HPL2\20210528-109687.b\SIG10008.D				
Column 1 :	CuroSil PFP 5u (4.60 mm)		Det: LC vwd1a		
Process Host:	CTX1677				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
1 Formaldehyde	4.795	4.713	0.082	81221	0.2378	

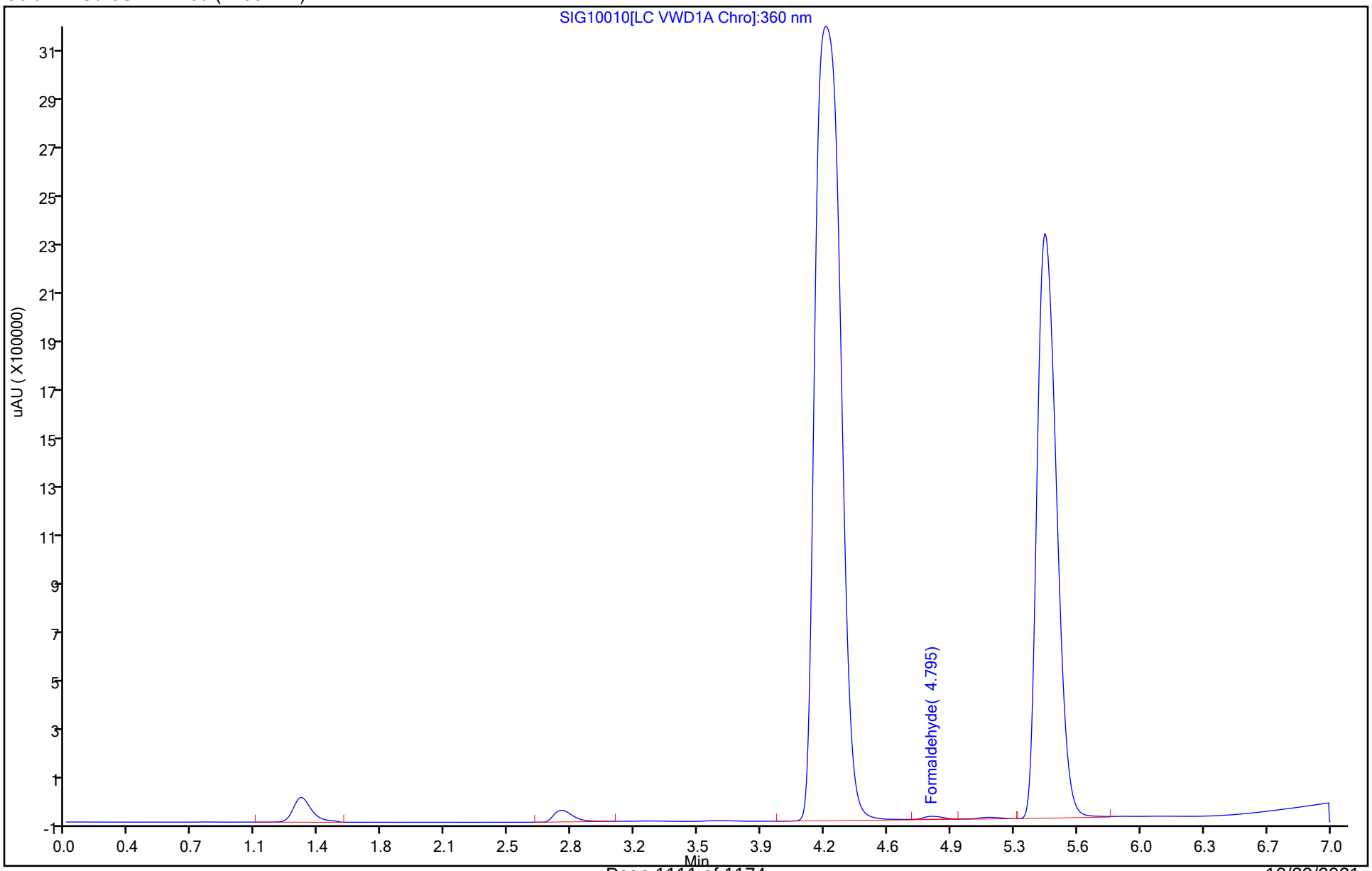
Report Date: 26-Oct-2021 06:21:44 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A2HPL2\20211025-114414.b\SIG10010.D

Injection Date:	25-Oct-2021 14:00:22	Instrument ID:	A2HPL2	Operator ID:	
Lims ID:	480-191204-F-2-A	Lab Sample ID:	240-191204-2	Worklist Smp#:	10
Client ID:	BOR-MW-27-WG				
Injection Vol:	10.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	Formaldehydel2	Limit Group:	GC 8315A ICAL		

Column: CuroSil PFP 5u (4.60 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 480-191204-1

SDG No.:

Client Sample ID: BOR-OW-10R-WG Lab Sample ID: 480-191204-8

Matrix: Water Lab File ID: SIG10011.D

Analysis Method: 8315A Date Collected: 10/20/2021 13:15

Extraction Method: 8315A_W_Prep Date Extracted: 10/22/2021 09:11

Sample wt/vol: 100(mL) Date Analyzed: 10/25/2021 14:09

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 10(uL) GC Column: Formaldehyde ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 509749 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	ND		0.050	0.041

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File:	\\chromfs\Canton\ChromData\A2HPL2\20211025-114414.b\SIG10011.D				
Lims ID:	480-191204-F-8-A				
Client ID:	BOR-OW-10R-WG				
Sample Type:	Client				
Inject. Date:	25-Oct-2021 14:09:24	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	10.0 ul	Dil. Factor:	1.0000		
Sample Info:	240-0114414-011				
Operator ID:		Instrument ID:	A2HPL2		
Method:	\\chromfs\Canton\ChromData\A2HPL2\20211025-114414.b\Formaldehydel2.m				
Limit Group:	GC 8315A ICAL				
Last Update:	26-Oct-2021 06:21:42	Calib Date:	28-May-2021 13:02:31		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Canton\ChromData\A2HPL2\20210528-109687.b\SIG10008.D				
Column 1 :	CuroSil PFP 5u (4.60 mm)		Det: LC vwd1a		
Process Host:	CTX1677				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
1 Formaldehyde	4.805	4.713	0.092	216744	0.6347	

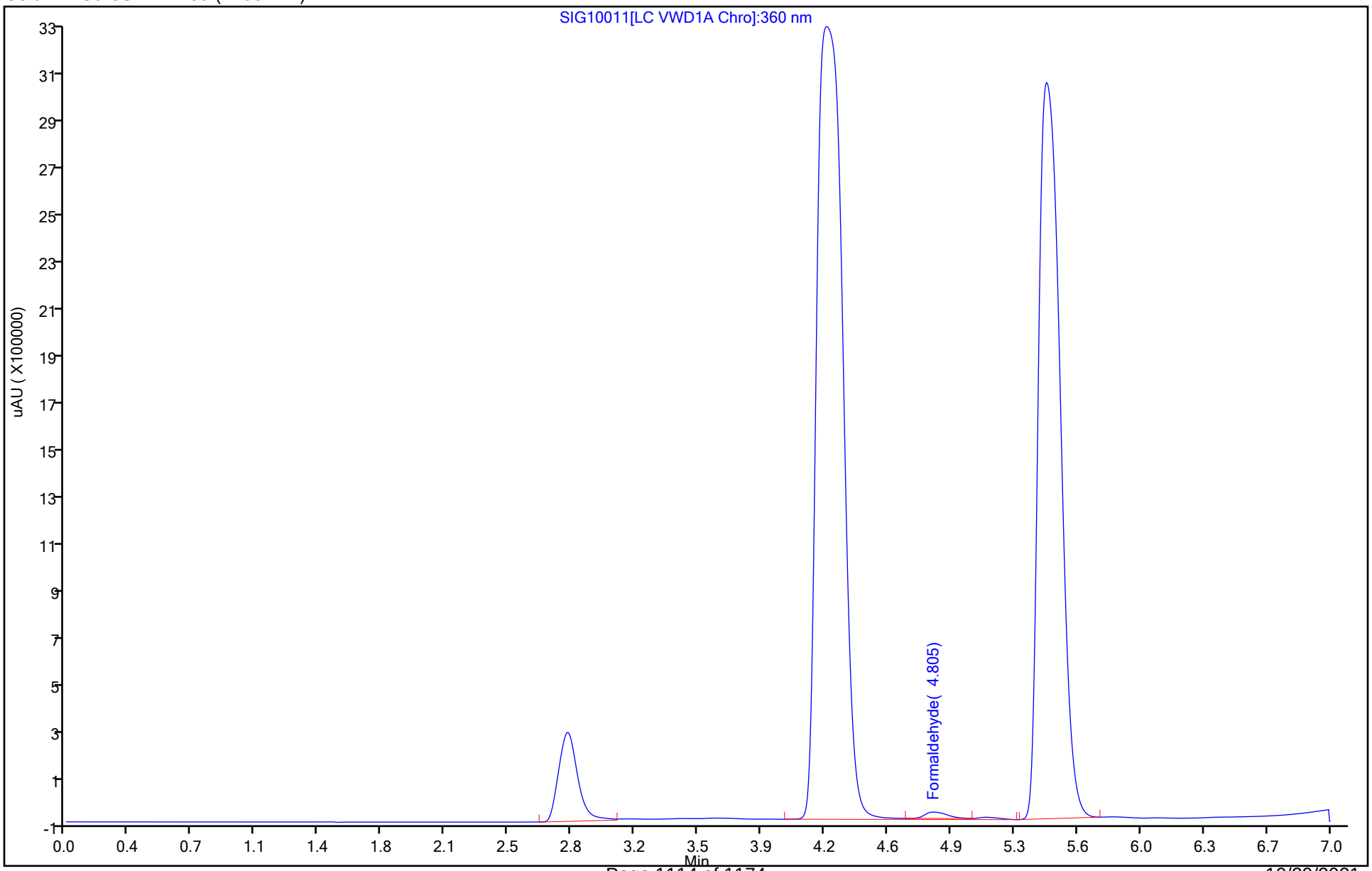
Report Date: 26-Oct-2021 06:21:44 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A2HPL2\20211025-114414.b\SIG10011.D

Injection Date:	25-Oct-2021 14:09:24	Instrument ID:	A2HPL2	Operator ID:	
Lims ID:	480-191204-F-8-A	Lab Sample ID:	240-191204-8	Worklist Smp#:	11
Client ID:	BOR-OW-10R-WG				
Injection Vol:	10.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	Formaldehydel2	Limit Group:	GC 8315A ICAL		

Column: CuroSil PFP 5u (4.60 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 480-191204-1

SDG No.:

Client Sample ID: BOR-DUP-2-WG Lab Sample ID: 480-191204-10

Matrix: Water Lab File ID: SIG10015.D

Analysis Method: 8315A Date Collected: 10/20/2021 08:00

Extraction Method: 8315A_W_Prep Date Extracted: 10/22/2021 09:11

Sample wt/vol: 100(mL) Date Analyzed: 10/25/2021 14:45

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 10(uL) GC Column: Formaldehyde ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 509749 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	ND		0.050	0.041

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File:	\\chromfs\Canton\ChromData\A2HPL2\20211025-114414.b\SIG10015.D				
Lims ID:	480-191204-F-10-A				
Client ID:	BOR-DUP-2-WG				
Sample Type:	Client				
Inject. Date:	25-Oct-2021 14:45:21	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	10.0 ul	Dil. Factor:	1.0000		
Sample Info:	240-0114414-015				
Operator ID:		Instrument ID:	A2HPL2		
Method:	\\chromfs\Canton\ChromData\A2HPL2\20211025-114414.b\Formaldehydel2.m				
Limit Group:	GC 8315A ICAL				
Last Update:	26-Oct-2021 06:21:45	Calib Date:	28-May-2021 13:02:31		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Canton\ChromData\A2HPL2\20210528-109687.b\SIG10008.D				
Column 1 :	CuroSil PFP 5u (4.60 mm)		Det: LC vwd1a		
Process Host:	CTX1677				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags
1 Formaldehyde	4.878	4.713	0.165	214210	0.6273	

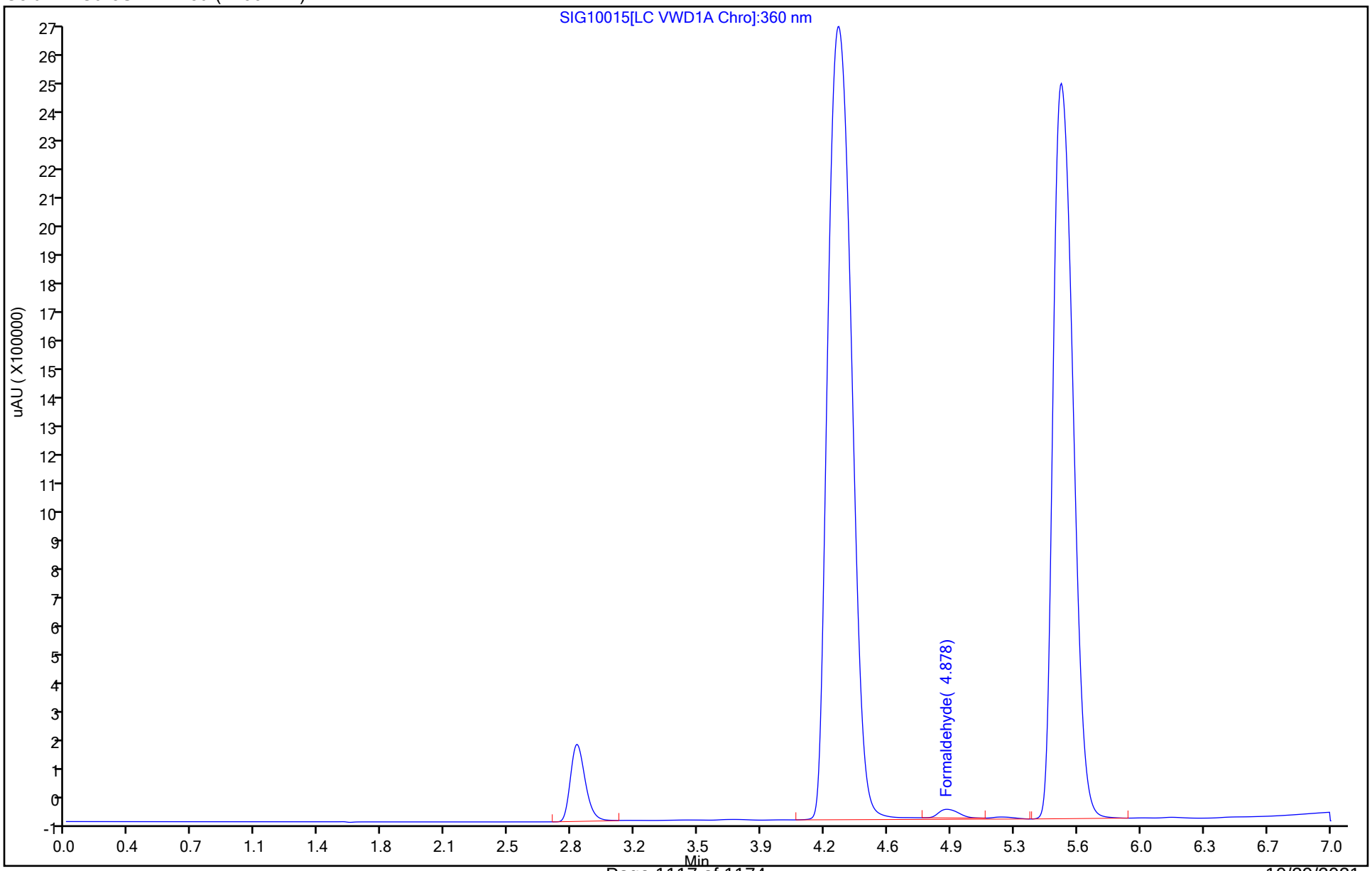
Report Date: 26-Oct-2021 06:21:45 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A2HPL2\20211025-114414.b\SIG10015.D

Injection Date:	25-Oct-2021 14:45:21	Instrument ID:	A2HPL2	Operator ID:	
Lims ID:	480-191204-F-10-A	Lab Sample ID:	240-191204-10	Worklist Smp#:	15
Client ID:	BOR-DUP-2-WG				
Injection Vol:	10.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	Formaldehydel2	Limit Group:	GC 8315A ICAL		

Column: CuroSil PFP 5u (4.60 mm)



FORM VI
HPLC/IC BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 480-191204-1 Analy Batch No.: 488104

SDG No.:

Instrument ID: A2HPL2 GC Column: Formaldehyd ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/28/2021 12:08 Calibration End Date: 05/28/2021 13:02 Calibration ID: 61558

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDFORM1 240-488104/2	SIG10002.D
Level 2	STDFORM2 240-488104/3	SIG10003.D
Level 3	STDFORM3 240-488104/4	SIG10004.D
Level 4	STDFORM4 240-488104/5	SIG10005.D
Level 5	STDFORM5 240-488104/6	SIG10006.D
Level 6	STDFORM6 240-488104/7	SIG10007.D
Level 7	STDFORM7 240-488104/8	SIG10008.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
Formaldehyde	5.368	5.368	5.344	5.319	5.305	5.295	5.271				5.069 - 5.569	5.324

FORM VI
HPLC/IC BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Canton Job No.: 480-191204-1 Analy Batch No.: 488104

SDG No.:

Instrument ID: A2HPL2 GC Column: Formaldehyd ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/28/2021 12:08 Calibration End Date: 05/28/2021 13:02 Calibration ID: 61558

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDFORM1 240-488104/2	SIG10002.D
Level 2	STDFORM2 240-488104/3	SIG10003.D
Level 3	STDFORM3 240-488104/4	SIG10004.D
Level 4	STDFORM4 240-488104/5	SIG10005.D
Level 5	STDFORM5 240-488104/6	SIG10006.D
Level 6	STDFORM6 240-488104/7	SIG10007.D
Level 7	STDFORM7 240-488104/8	SIG10008.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
Formaldehyde	328786 351350	342114 343242	343336 335870	345662	Ave		341480.073				2.1		20.0			

Note: The M1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
HPLC/IC BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Canton Job No.: 480-191204-1 Analy Batch No.: 488104

SDG No.:

Instrument ID: A2HPL2 GC Column: Formaldehyd ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/28/2021 12:08 Calibration End Date: 05/28/2021 13:02 Calibration ID: 61558

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDFORM1 240-488104/2	SIG10002.D
Level 2	STDFORM2 240-488104/3	SIG10003.D
Level 3	STDFORM3 240-488104/4	SIG10004.D
Level 4	STDFORM4 240-488104/5	SIG10005.D
Level 5	STDFORM5 240-488104/6	SIG10006.D
Level 6	STDFORM6 240-488104/7	SIG10007.D
Level 7	STDFORM7 240-488104/8	SIG10008.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Formaldehyde	Ave	98439 3432423	273691 16793510	343336	691324	1756750	0.299 10.0	0.800 50.0	1.00	2.00	5.00

Curve Type Legend
Ave = Average

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File:	\\chromfs\Canton\ChromData\A2HPL2\20210528-109687.b\SIG10002.D				
Lims ID:	StdForm1				
Client ID:					
Sample Type:	IC	Calib Level:	1		
Inject. Date:	28-May-2021 12:08:32	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	10.0 ul	Dil. Factor:	1.0000		
Sample Info:	9687-002				
Operator ID:		Instrument ID:	A2HPL2		
Sublist:	chrom-Formaldehydel2*sub1				
Method:	\\chromfs\Canton\ChromData\A2HPL2\20210528-109687.b\Formaldehydel2.m				
Limit Group:	GC 8315A ICAL				
Last Update:	28-May-2021 13:24:49	Calib Date:	28-May-2021 13:02:31		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Canton\ChromData\A2HPL2\20210528-109687.b\SIG10008.D				
Column 1 :	CuroSil PFP 5u (4.60 mm)		Det: LC vwd1a		
Process Host:	CTX1639				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 Formaldehyde	5.368	5.319	0.049	98439	0.2994	0.2883	

Reagents:

SGFORML_00015 Amount Added: 5.00 Units: uL

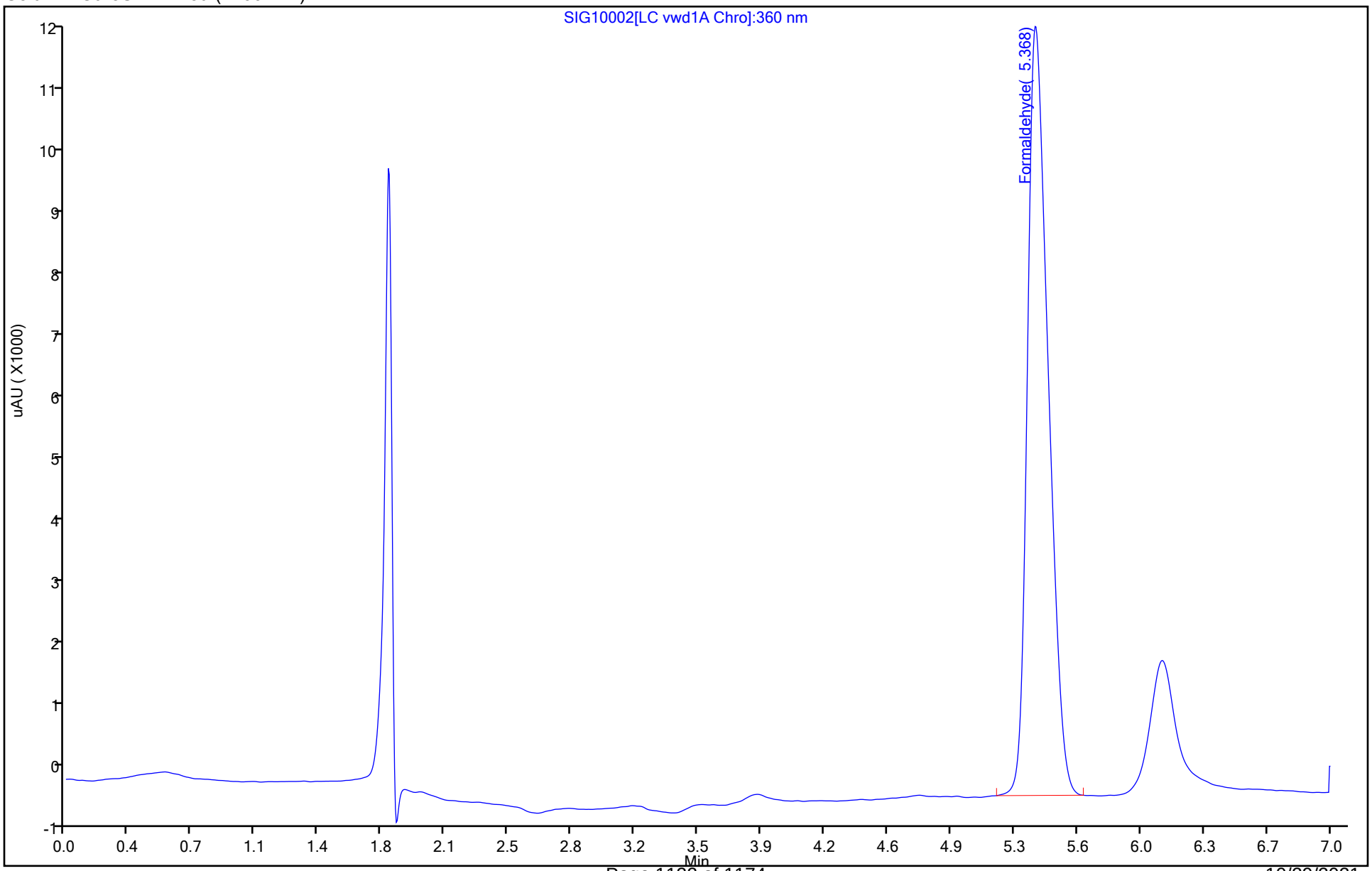
Report Date: 28-May-2021 13:24:49 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A2HPL2\20210528-109687.b\SIG10002.D

Injection Date:	28-May-2021 12:08:32	Instrument ID:	A2HPL2	Operator ID:	
Lims ID:	StdForm1			Worklist Smp#:	2
Client ID:					
Injection Vol:	10.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	Formaldehydel2	Limit Group:	GC 8315A ICAL		

Column: CuroSil PFP 5u (4.60 mm)



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File:	\\chromfs\Canton\ChromData\A2HPL2\20210528-109687.b\SIG10003.D				
Lims ID:	StdForm2				
Client ID:					
Sample Type:	IC	Calib Level:	2		
Inject. Date:	28-May-2021 12:17:30	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	10.0 ul	Dil. Factor:	1.0000		
Sample Info:	240-0109687-003				
Operator ID:		Instrument ID:	A2HPL2		
Sublist:	chrom-Formaldehydel2*sub1				
Method:	\\chromfs\Canton\ChromData\A2HPL2\20210528-109687.b\Formaldehydel2.m				
Limit Group:	GC 8315A ICAL				
Last Update:	28-May-2021 13:24:49	Calib Date:	28-May-2021 13:02:31		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Canton\ChromData\A2HPL2\20210528-109687.b\SIG10008.D				
Column 1 :	CuroSil PFP 5u (4.60 mm)		Det: LC vwd1a		
Process Host:	CTX1639				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 Formaldehyde	5.368	5.319	0.049	273691	0.8000	0.8015	

Reagents:

SGFORML_00015 Amount Added: 10.00 Units: uL

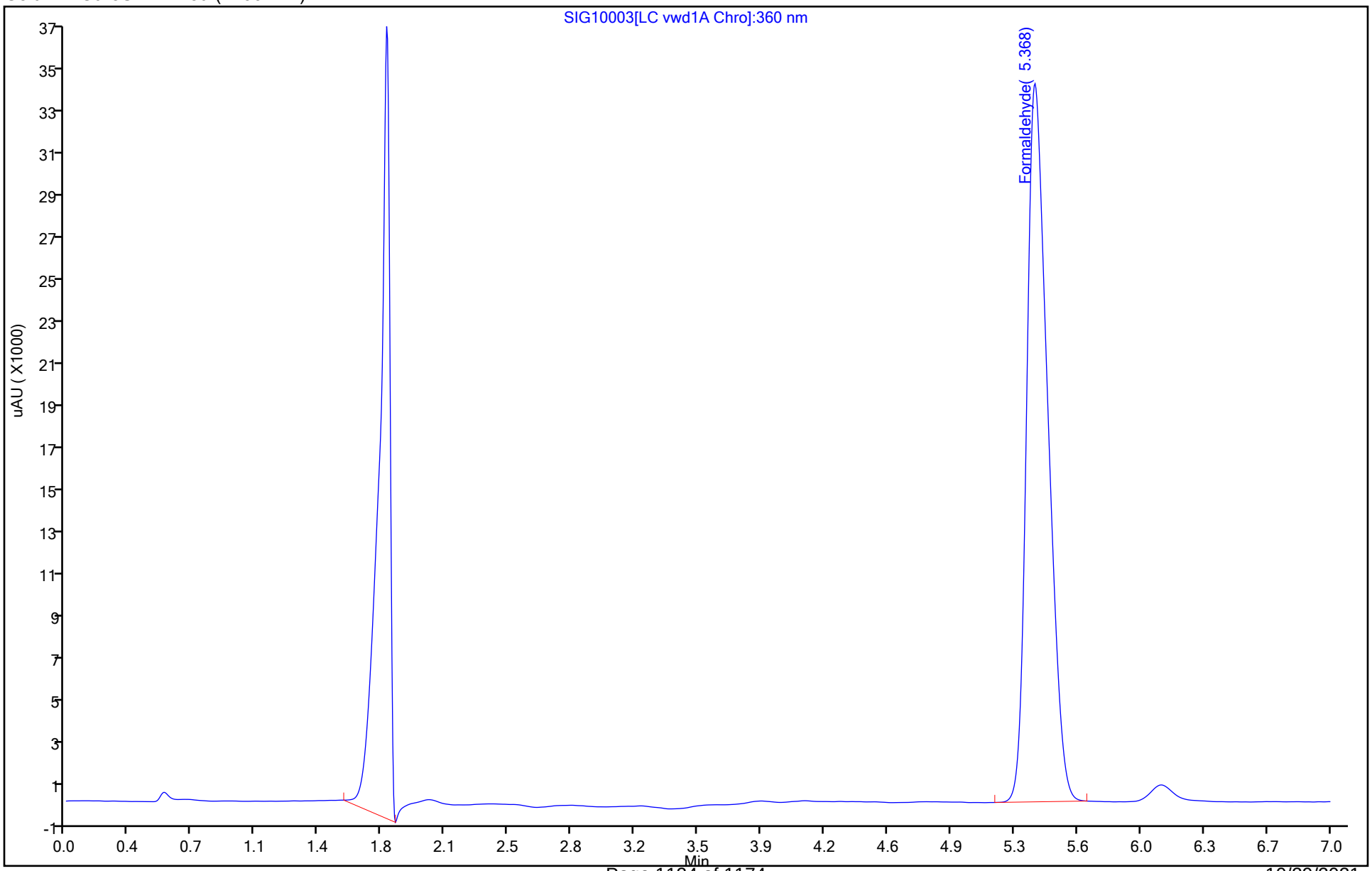
Report Date: 28-May-2021 13:24:49 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A2HPL2\20210528-109687.b\SIG10003.D

Injection Date:	28-May-2021 12:17:30	Instrument ID:	A2HPL2	Operator ID:	
Lims ID:	StdForm2			Worklist Smp#:	3
Client ID:					
Injection Vol:	10.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	Formaldehydel2	Limit Group:	GC 8315A ICAL		

Column: CuroSil PFP 5u (4.60 mm)



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File:	\\chromfs\Canton\ChromData\A2HPL2\20210528-109687.b\SIG10004.D				
Lims ID:	StdForm3				
Client ID:					
Sample Type:	IC	Calib Level:	3		
Inject. Date:	28-May-2021 12:26:30	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	10.0 ul	Dil. Factor:	1.0000		
Sample Info:	240-0109687-004				
Operator ID:		Instrument ID:	A2HPL2		
Sublist:	chrom-Formaldehydel2*sub1				
Method:	\\chromfs\Canton\ChromData\A2HPL2\20210528-109687.b\Formaldehydel2.m				
Limit Group:	GC 8315A ICAL				
Last Update:	28-May-2021 13:24:49	Calib Date:	28-May-2021 13:02:31		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Canton\ChromData\A2HPL2\20210528-109687.b\SIG10008.D				
Column 1 :	CuroSil PFP 5u (4.60 mm)		Det: LC vwd1a		
Process Host:	CTX1639				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 Formaldehyde	5.344	5.344	0.000	343336	1.00	1.01	

Reagents:

SGFORML_00015 Amount Added: 20.00 Units: uL

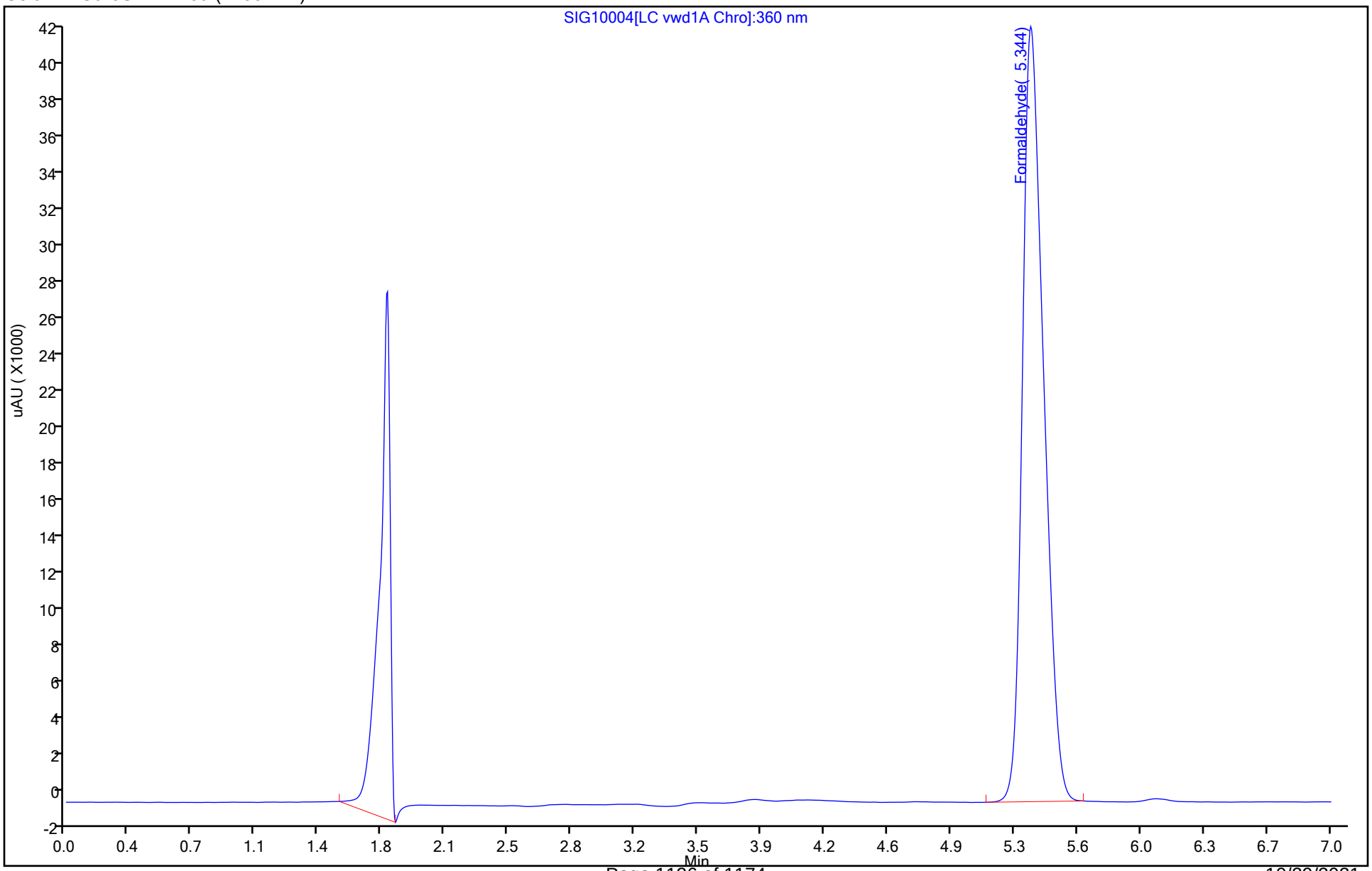
Report Date: 28-May-2021 13:24:49 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A2HPL2\20210528-109687.b\SIG10004.D

Injection Date:	28-May-2021 12:26:30	Instrument ID:	A2HPL2	Operator ID:	
Lims ID:	StdForm3			Worklist Smp#:	4
Client ID:					
Injection Vol:	10.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	Formaldehydel2	Limit Group:	GC 8315A ICAL		

Column: CuroSil PFP 5u (4.60 mm)



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File:	\\chromfs\Canton\ChromData\A2HPL2\20210528-109687.b\SIG10005.D				
Lims ID:	StdForm4				
Client ID:					
Sample Type:	ICRT	Calib Level:	4		
Inject. Date:	28-May-2021 12:35:30	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	10.0 ul	Dil. Factor:	1.0000		
Sample Info:	240-0109687-005				
Operator ID:		Instrument ID:	A2HPL2		
Sublist:	chrom-Formaldehydel2*sub1				
Method:	\\chromfs\Canton\ChromData\A2HPL2\20210528-109687.b\Formaldehydel2.m				
Limit Group:	GC 8315A ICAL				
Last Update:	28-May-2021 13:24:50	Calib Date:	28-May-2021 13:02:31		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Canton\ChromData\A2HPL2\20210528-109687.b\SIG10008.D				
Column 1 :	CuroSil PFP 5u (4.60 mm)		Det: LC vwd1a		
Process Host:	CTX1639				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 Formaldehyde	5.319	5.319	0.000	691324	2.00	2.02	

Reagents:

SGFORML_00015 Amount Added: 40.00 Units: uL

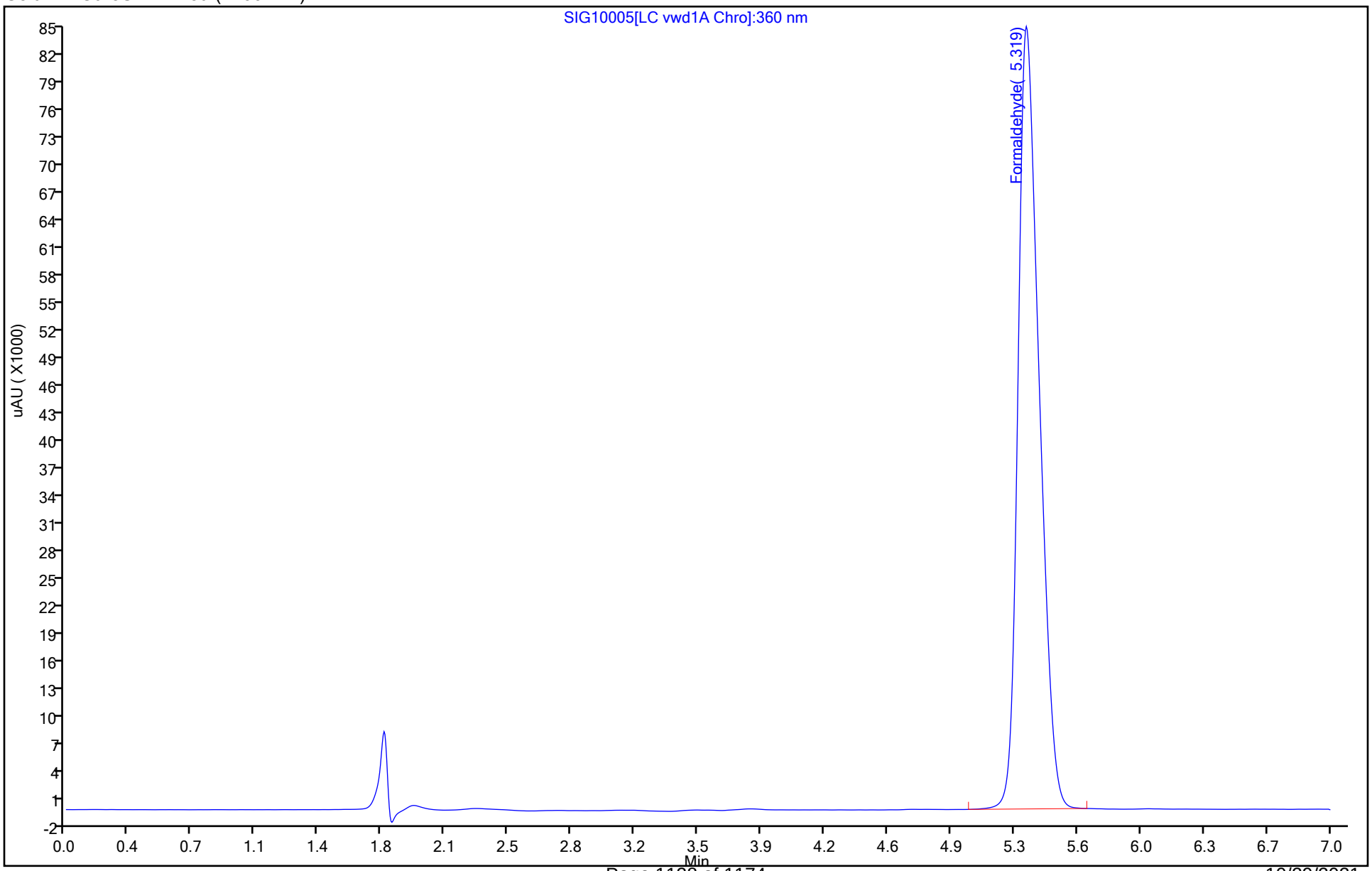
Report Date: 28-May-2021 13:24:50 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A2HPL2\20210528-109687.b\SIG10005.D

Injection Date:	28-May-2021 12:35:30	Instrument ID:	A2HPL2	Operator ID:	
Lims ID:	StdForm4			Worklist Smp#:	5
Client ID:					
Injection Vol:	10.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	Formaldehydel2	Limit Group:	GC 8315A ICAL		

Column: CuroSil PFP 5u (4.60 mm)



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File:	\\chromfs\Canton\ChromData\A2HPL2\20210528-109687.b\SIG10006.D				
Lims ID:	StdForm5				
Client ID:					
Sample Type:	IC	Calib Level:	5		
Inject. Date:	28-May-2021 12:44:29	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	10.0 ul	Dil. Factor:	1.0000		
Sample Info:	240-0109687-006				
Operator ID:		Instrument ID:	A2HPL2		
Sublist:	chrom-Formaldehydel2*sub1				
Method:	\\chromfs\Canton\ChromData\A2HPL2\20210528-109687.b\Formaldehydel2.m				
Limit Group:	GC 8315A ICAL				
Last Update:	28-May-2021 13:24:50	Calib Date:	28-May-2021 13:02:31		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Canton\ChromData\A2HPL2\20210528-109687.b\SIG10008.D				
Column 1 :	CuroSil PFP 5u (4.60 mm)		Det: LC vwd1a		
Process Host:	CTX1639				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 Formaldehyde	5.305	5.319	-0.014	1756750	5.00	5.14	

Reagents:

SGFORML_00015 Amount Added: 100.00 Units: uL

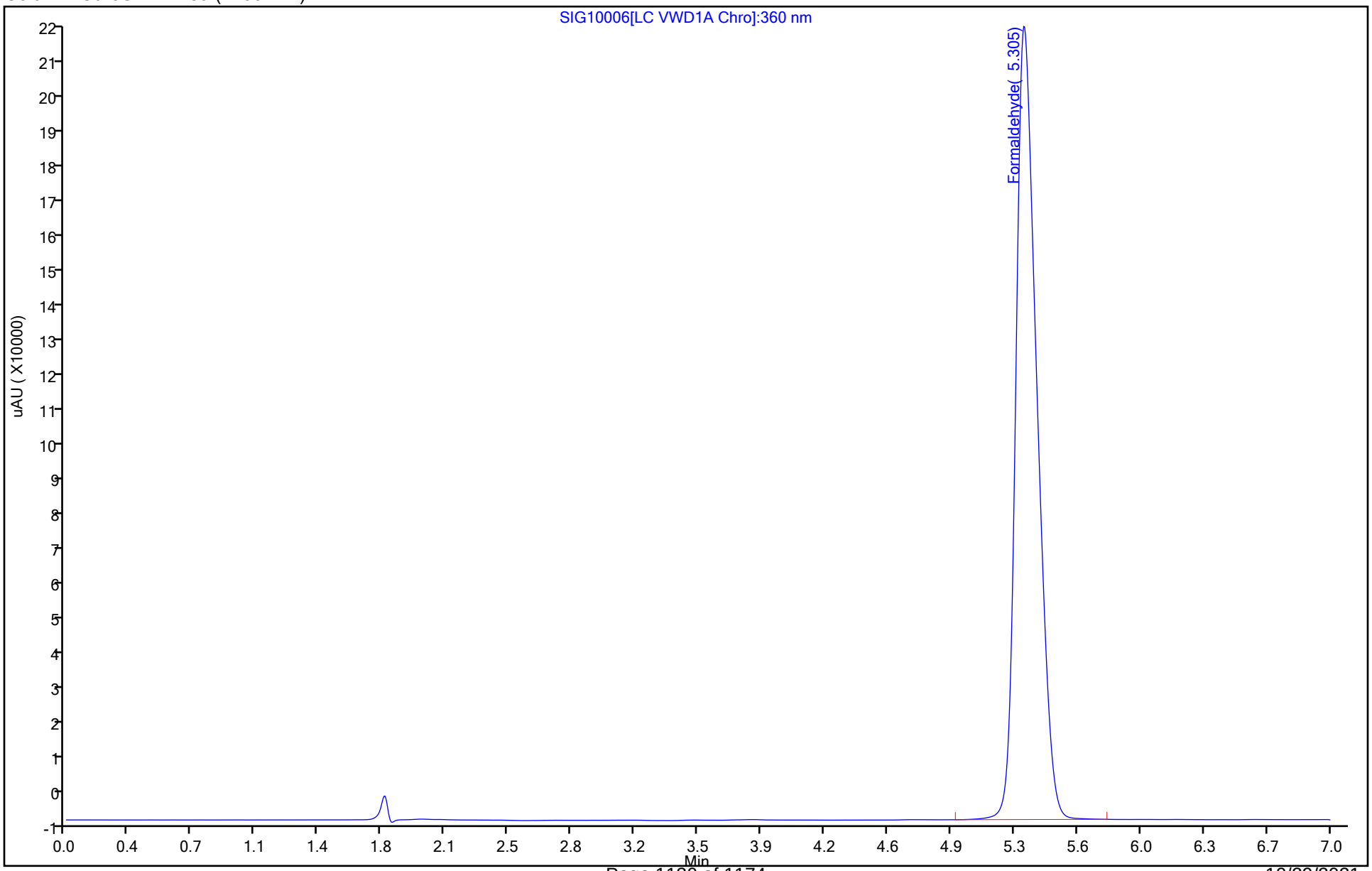
Report Date: 28-May-2021 13:24:50 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A2HPL2\20210528-109687.b\SIG10006.D

Injection Date:	28-May-2021 12:44:29	Instrument ID:	A2HPL2	Operator ID:	
Lims ID:	StdForm5			Worklist Smp#:	6
Client ID:					
Injection Vol:	10.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	Formaldehydel2	Limit Group:	GC 8315A ICAL		

Column: CuroSil PFP 5u (4.60 mm)



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File:	\\chromfs\Canton\ChromData\A2HPL2\20210528-109687.b\SIG10007.D				
Lims ID:	StdForm6				
Client ID:					
Sample Type:	IC	Calib Level:	6		
Inject. Date:	28-May-2021 12:53:32	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	10.0 ul	Dil. Factor:	1.0000		
Sample Info:	240-0109687-007				
Operator ID:		Instrument ID:	A2HPL2		
Sublist:	chrom-Formaldehydel2*sub1				
Method:	\\chromfs\Canton\ChromData\A2HPL2\20210528-109687.b\Formaldehydel2.m				
Limit Group:	GC 8315A ICAL				
Last Update:	28-May-2021 13:24:50	Calib Date:	28-May-2021 13:02:31		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Canton\ChromData\A2HPL2\20210528-109687.b\SIG10008.D				
Column 1 :	CuroSil PFP 5u (4.60 mm)		Det: LC vwd1a		
Process Host:	CTX1639				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 Formaldehyde	5.295	5.319	-0.024	3432423	10.0	10.1	

Reagents:

SGFORML_00015 Amount Added: 200.00 Units: uL

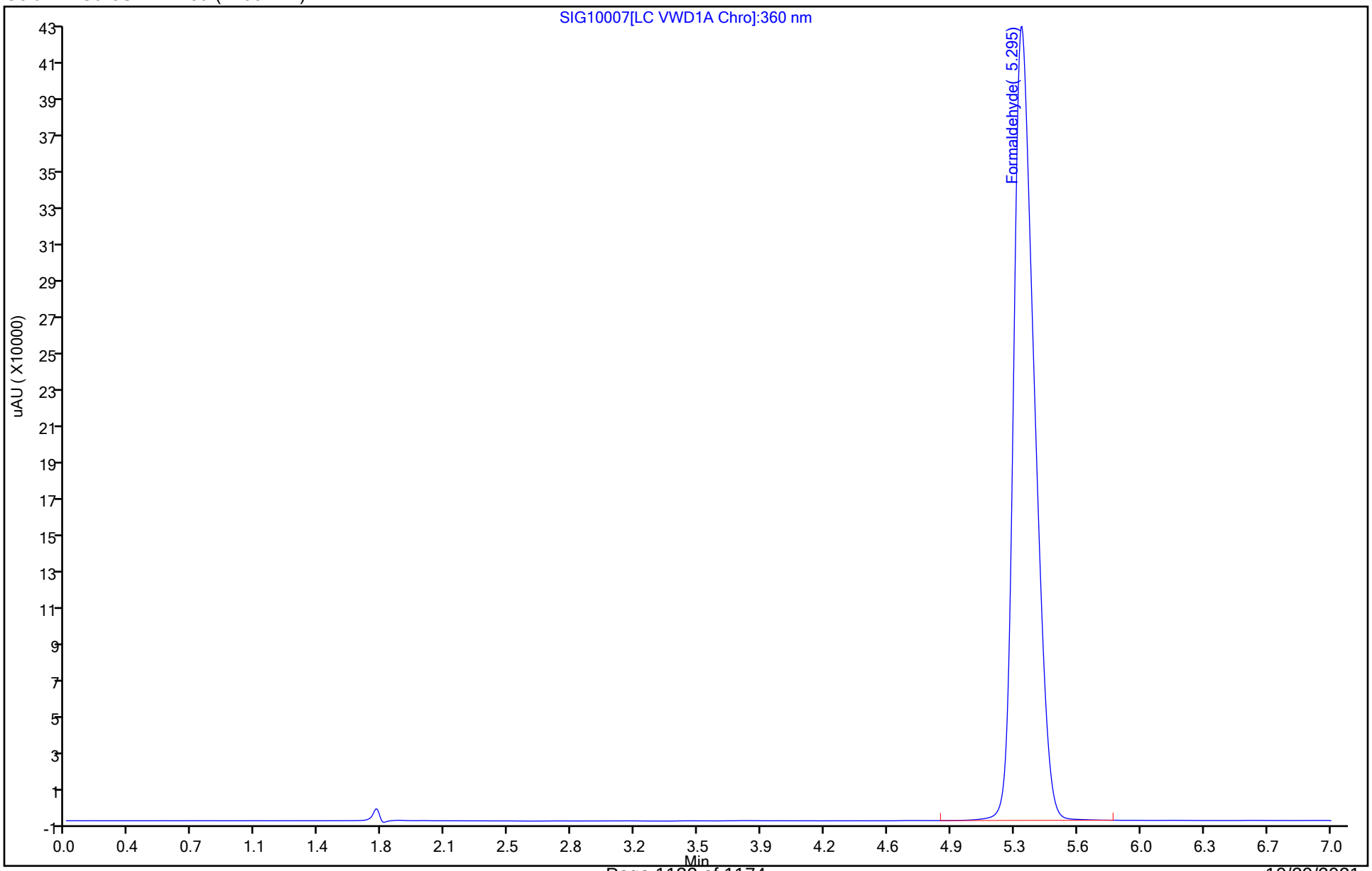
Report Date: 28-May-2021 13:24:50 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A2HPL2\20210528-109687.b\SIG10007.D

Injection Date:	28-May-2021 12:53:32	Instrument ID:	A2HPL2	Operator ID:	
Lims ID:	StdForm6			Worklist Smp#:	7
Client ID:					
Injection Vol:	10.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	Formaldehydel2	Limit Group:	GC 8315A ICAL		

Column: CuroSil PFP 5u (4.60 mm)



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File:	\\chromfs\Canton\ChromData\A2HPL2\20210528-109687.b\SIG10008.D				
Lims ID:	StdForm7				
Client ID:					
Sample Type:	IC	Calib Level:	7		
Inject. Date:	28-May-2021 13:02:31	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	10.0 ul	Dil. Factor:	1.0000		
Sample Info:	240-0109687-008				
Operator ID:		Instrument ID:	A2HPL2		
Sublist:	chrom-Formaldehydel2*sub1				
Method:	\\chromfs\Canton\ChromData\A2HPL2\20210528-109687.b\Formaldehydel2.m				
Limit Group:	GC 8315A ICAL				
Last Update:	28-May-2021 13:24:51	Calib Date:	28-May-2021 13:02:31		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Canton\ChromData\A2HPL2\20210528-109687.b\SIG10008.D				
Column 1 :	CuroSil PFP 5u (4.60 mm)		Det: LC vwd1a		
Process Host:	CTX1639				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 Formaldehyde	5.271	5.319	-0.048	16793510	50.0	49.2	

Reagents:

SGFORML_00015 Amount Added: 1.00 Units: mL

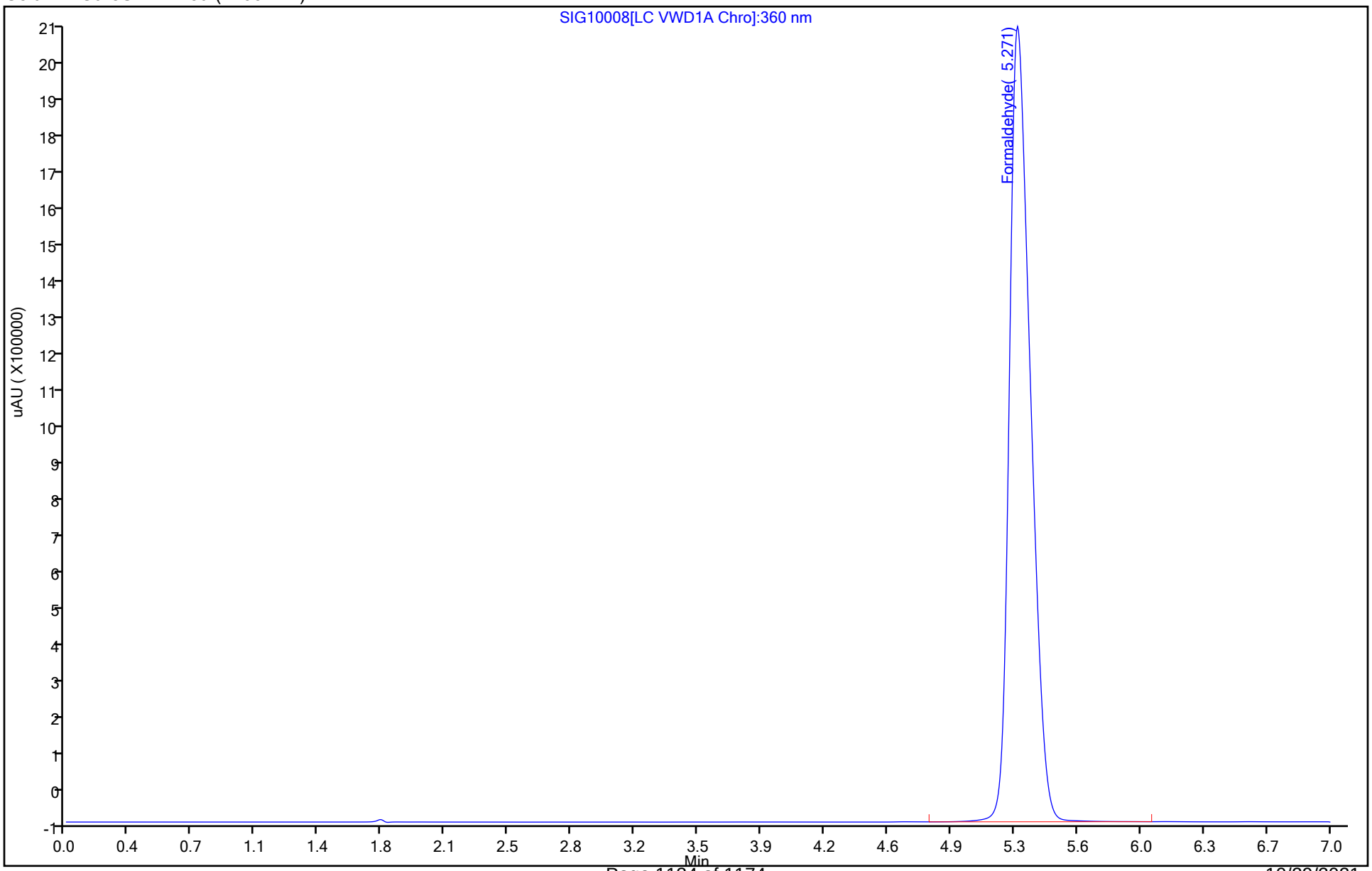
Report Date: 28-May-2021 13:24:51 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A2HPL2\20210528-109687.b\SIG10008.D

Injection Date:	28-May-2021 13:02:31	Instrument ID:	A2HPL2	Operator ID:	
Lims ID:	StdForm7			Worklist Smp#:	8
Client ID:					
Injection Vol:	10.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	Formaldehydel2	Limit Group:	GC 8315A ICAL		

Column: CuroSil PFP 5u (4.60 mm)



Calibration / Formaldehyde

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	AREA
RF Rounding:	0

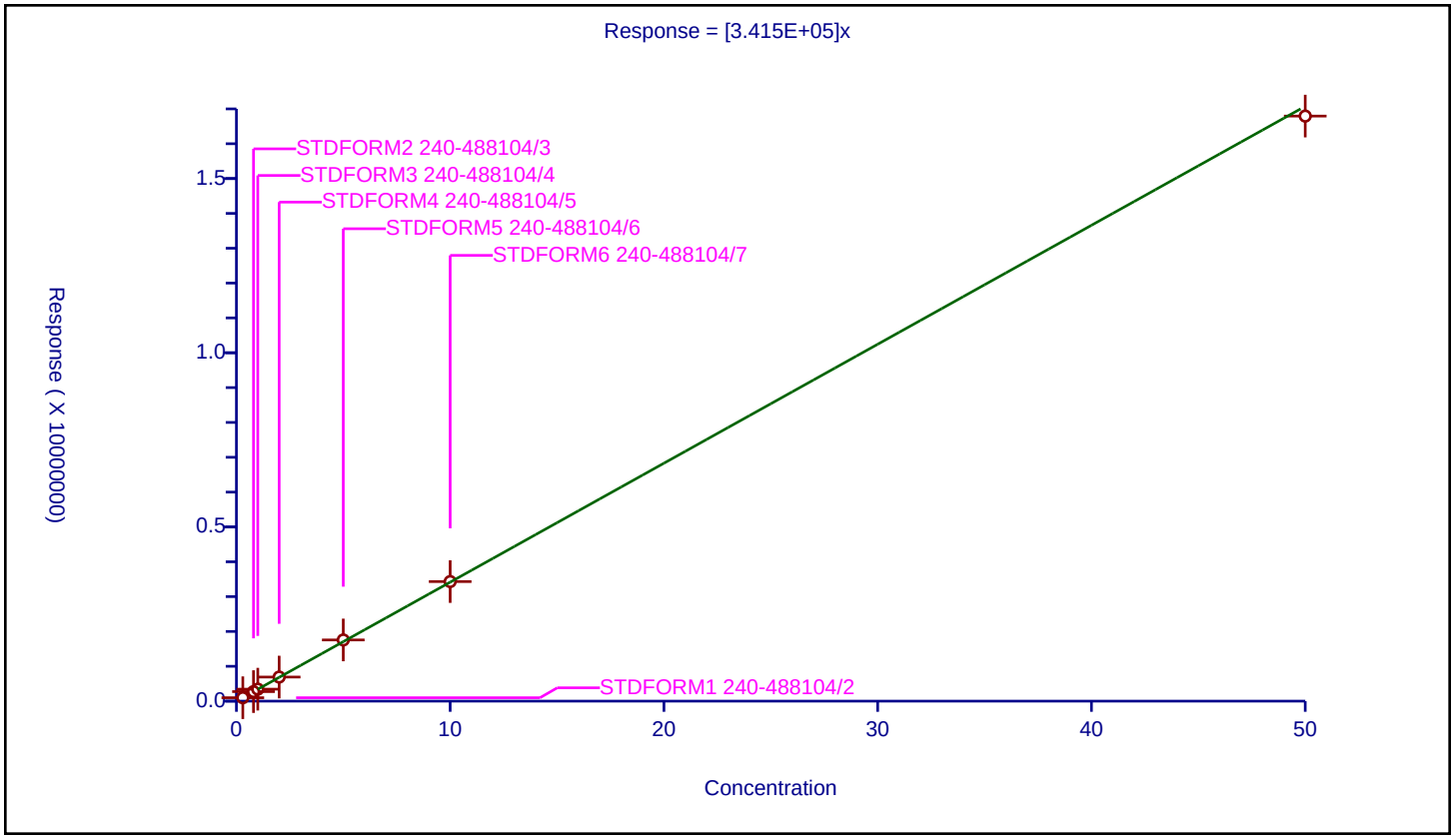
Curve Coefficients

Intercept:	0
Slope:	3.415E+05

Error Coefficients

Standard Error:	117000
Relative Standard Error:	2.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	STDFORM1 240-488104/2	0.299401	98439.0			328786.260005	Y
2	STDFORM2 240-488104/3	0.8	273691.0			342113.75	Y
3	STDFORM3 240-488104/4	1.0	343336.0			343336.0	Y
4	STDFORM4 240-488104/5	2.0	691324.0			345662.0	Y
5	STDFORM5 240-488104/6	5.0	1756750.0			351350.0	Y
6	STDFORM6 240-488104/7	10.0	3432423.0			343242.3	Y
7	STDFORM7 240-488104/8	50.0	16793510.0			335870.2	Y



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 480-191204-1

SDG No.:

Lab Sample ID: ICV 240-488104/9 Calibration Date: 05/28/2021 13:11

Instrument ID: A2HPL2 Calib Start Date: 05/28/2021 12:08

GC Column: Formaldehyde ID: 4.60(mm) Calib End Date: 05/28/2021 13:02

Lab File ID: SIG10009.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Formaldehyde	Ave	341480	289016		4.84	5.71	-15.4	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 480-191204-1

SDG No.:

Lab Sample ID: ICV 240-488104/9 Calibration Date: 05/28/2021 13:11

Instrument ID: A2HPL2 Calib Start Date: 05/28/2021 12:08

GC Column: Formaldehyde ID: 4.60(mm) Calib End Date: 05/28/2021 13:02

Lab File ID: SIG10009.D

Analyte	RT	RT WINDOW	
		FROM	TO
Formaldehyde	5.26	5.07	5.57

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File:	\\chromfs\Canton\ChromData\A2HPL2\20210528-109687.b\SIG10009.D				
Lims ID:	icv				
Client ID:					
Sample Type:	ICV				
Inject. Date:	28-May-2021 13:11:33	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	10.0 ul	Dil. Factor:	1.0000		
Sample Info:	240-0109687-009				
Operator ID:		Instrument ID:	A2HPL2		
Sublist:					
Method:	\\chromfs\Canton\ChromData\A2HPL2\20210528-109687.b\Formaldehydel2.m				
Limit Group:	GC 8315A ICAL				
Last Update:	28-May-2021 13:24:51	Calib Date:	28-May-2021 13:02:31		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Canton\ChromData\A2HPL2\20210528-109687.b\SIG10008.D				
Column 1 :	CuroSil PFP 5u (4.60 mm)		Det: LC vwd1a		
Process Host:	CTX1639				
First Level Reviewer: grantk		Date:	28-May-2021 13:24:48		

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 Formaldehyde	5.261	5.319	-0.058	1651519	5.71	4.84	

QC Flag Legend

Processing Flags

Reagents:

SGFORML_ICV_00010 Amount Added: 1.00 Units: mL

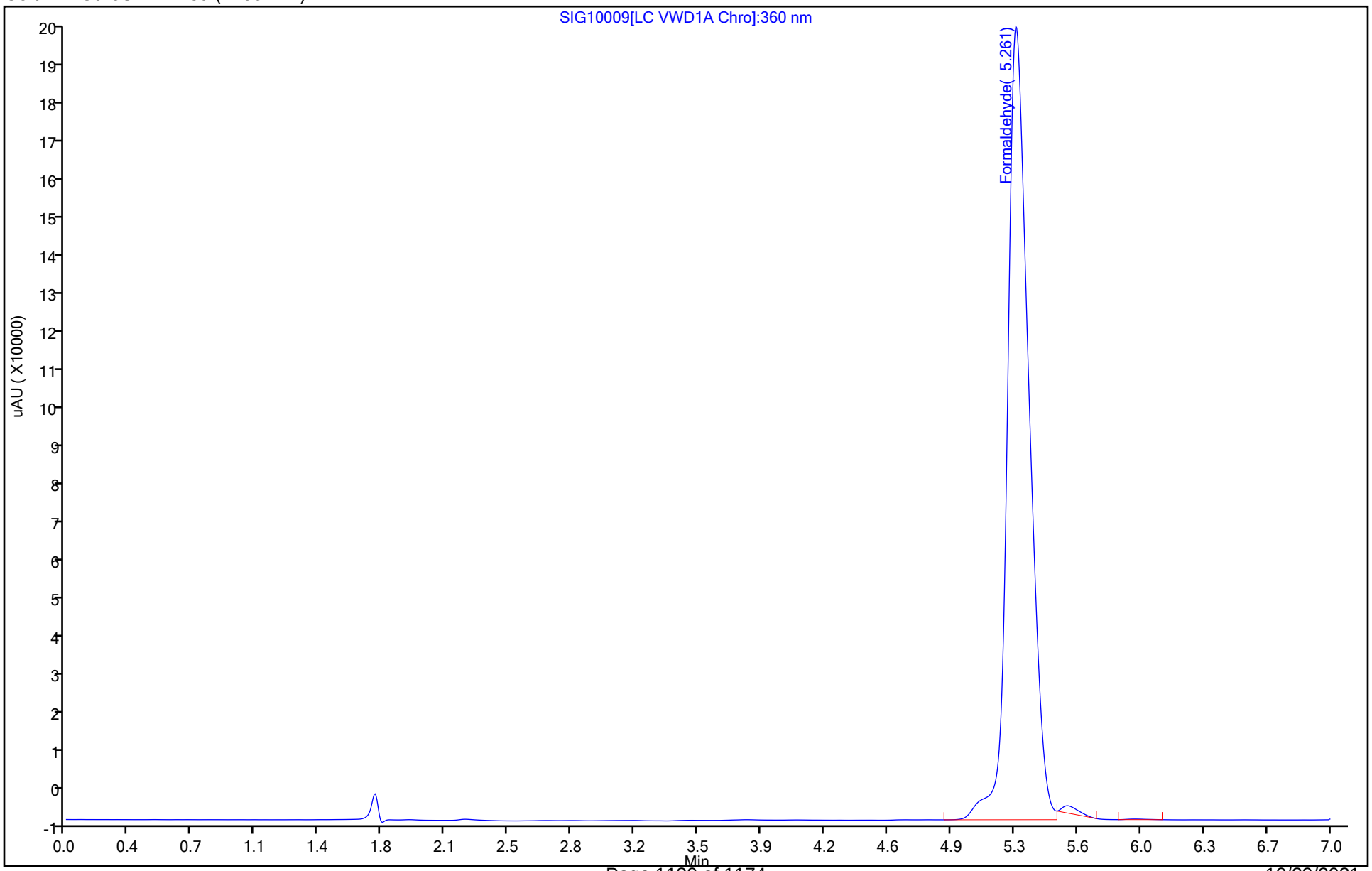
Report Date: 28-May-2021 13:25:44 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A2HPL2\20210528-109687.b\SIG10009.D

Injection Date:	28-May-2021 13:11:33	Instrument ID:	A2HPL2	Operator ID:	
Lims ID:	icv			Worklist Smp#:	9
Client ID:					
Injection Vol:	10.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	Formaldehydel2	Limit Group:	GC 8315A ICAL		

Column: CuroSil PFP 5u (4.60 mm)



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 480-191204-1

SDG No.:

Lab Sample ID: CCV 240-509749/2 Calibration Date: 10/25/2021 12:48

Instrument ID: A2HPL2 Calib Start Date: 05/28/2021 12:08

GC Column: Formaldehyde ID: 4.60(mm) Calib End Date: 05/28/2021 13:02

Lab File ID: SIG10002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Formaldehyde	Ave	341480	324747		1.90	2.00	-4.9	15.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 480-191204-1

SDG No.:

Lab Sample ID: CCV 240-509749/2 Calibration Date: 10/25/2021 12:48

Instrument ID: A2HPL2 Calib Start Date: 05/28/2021 12:08

GC Column: Formaldehyde ID: 4.60(mm) Calib End Date: 05/28/2021 13:02

Lab File ID: SIG10002.D

Analyte	RT	RT WINDOW	
		FROM	TO
Formaldehyde	4.71	4.46	4.96

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A2HPL2\20211025-114414.b\SIG10002.D
Lims ID: CCV
Client ID:
Sample Type: CCVRT
Inject. Date: 25-Oct-2021 12:48:18 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 10.0 ul Dil. Factor: 1.0000
Sample Info: 240-0114414-002
Operator ID: Instrument ID: A2HPL2
Sublist: chrom-Formaldehydel2*sub1

Method: \\chromfs\Canton\ChromData\A2HPL2\20211025-114414.b\Formaldehydel2.m
Limit Group: GC 8315A ICAL
Last Update: 26-Oct-2021 06:21:42 Calib Date: 28-May-2021 13:02:31
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A2HPL2\20210528-109687.b\SIG10008.D

Column 1 : CuroSil PFP 5u (4.60 mm) Det: LC vwd1a
Process Host: CTX1677

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 Formaldehyde	4.713	4.713	0.000	649494	2.00	1.90	

Reagents:

SGFORML_CCV_00025 Amount Added: 1.00 Units: mL

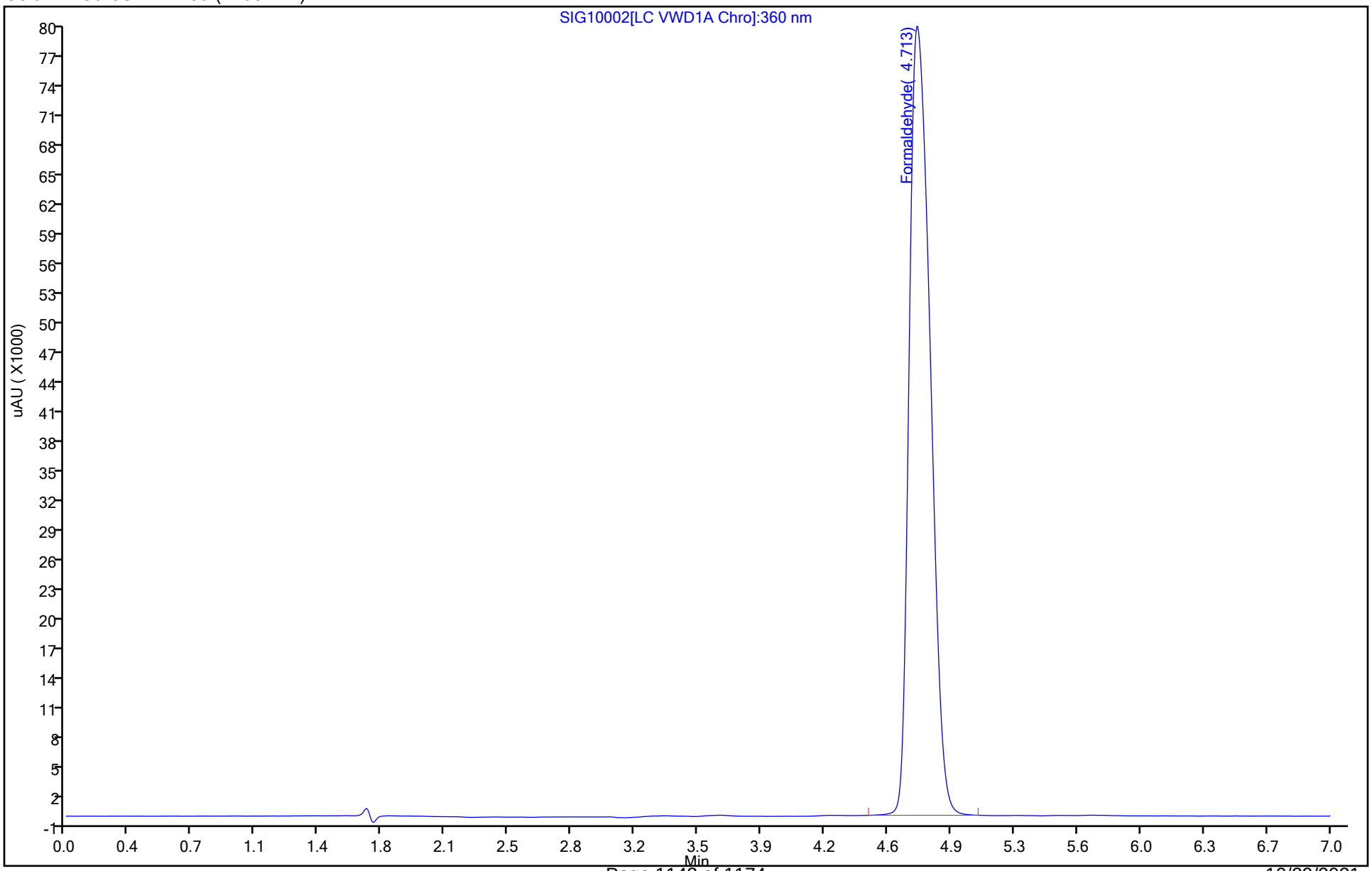
Report Date: 26-Oct-2021 06:21:42 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A2HPL2\20211025-114414.b\SIG10002.D

Injection Date:	25-Oct-2021 12:48:18	Instrument ID:	A2HPL2	Operator ID:	
Lims ID:	CCV			Worklist Smp#:	2
Client ID:					
Injection Vol:	10.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	Formaldehydel2	Limit Group:	GC 8315A ICAL		

Column: CuroSil PFP 5u (4.60 mm)



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 480-191204-1

SDG No.:

Lab Sample ID: CCV 240-509749/13 Calibration Date: 10/25/2021 14:27

Instrument ID: A2HPL2 Calib Start Date: 05/28/2021 12:08

GC Column: Formaldehyde ID: 4.60(mm) Calib End Date: 05/28/2021 13:02

Lab File ID: SIG10013.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Formaldehyde	Ave	341480	309480		1.81	2.00	-9.4	15.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 480-191204-1

SDG No.:

Lab Sample ID: CCV 240-509749/13 Calibration Date: 10/25/2021 14:27

Instrument ID: A2HPL2 Calib Start Date: 05/28/2021 12:08

GC Column: Formaldehyde ID: 4.60(mm) Calib End Date: 05/28/2021 13:02

Lab File ID: SIG10013.D

Analyte	RT	RT WINDOW	
		FROM	TO
Formaldehyde	4.82	4.46	4.96

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File:	\\chromfs\Canton\ChromData\A2HPL2\20211025-114414.b\SIG10013.D				
Lims ID:	ccv				
Client ID:					
Sample Type:	CCV				
Inject. Date:	25-Oct-2021 14:27:23	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	10.0 ul	Dil. Factor:	1.0000		
Sample Info:	240-0114414-013				
Operator ID:		Instrument ID:	A2HPL2		
Sublist:	chrom-Formaldehydel2*sub1				
Method:	\\chromfs\Canton\ChromData\A2HPL2\20211025-114414.b\Formaldehydel2.m				
Limit Group:	GC 8315A ICAL				
Last Update:	26-Oct-2021 06:21:45	Calib Date:	28-May-2021 13:02:31		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Canton\ChromData\A2HPL2\20210528-109687.b\SIG10008.D				
Column 1 :	CuroSil PFP 5u (4.60 mm)		Det: LC vwd1a		
Process Host:	CTX1677				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 Formaldehyde	4.819	4.713	0.106	618959	2.00	1.81	

Reagents:

SGFORML_CCV_00025 Amount Added: 1.00 Units: mL

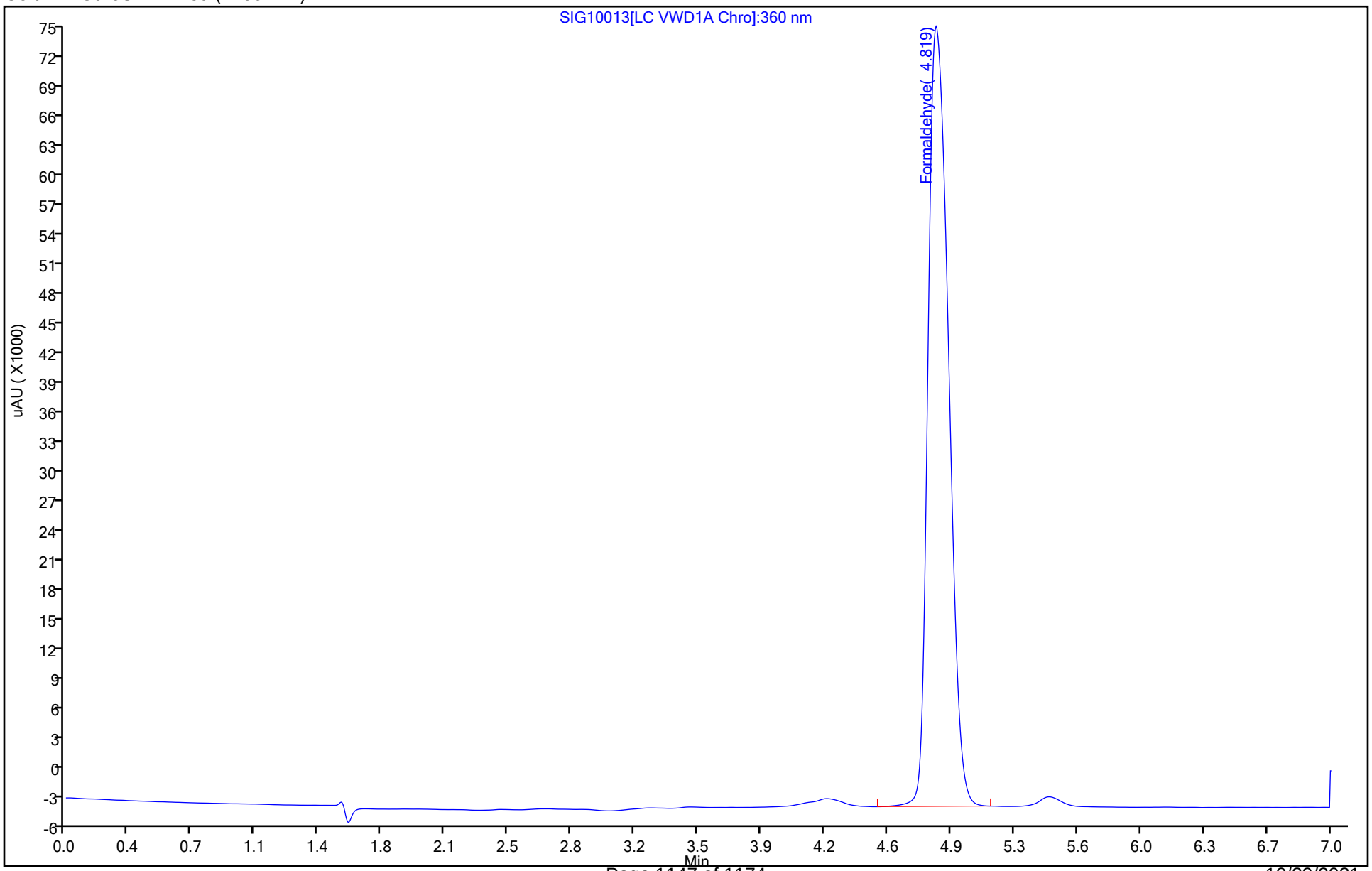
Report Date: 26-Oct-2021 06:21:45 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A2HPL2\20211025-114414.b\SIG10013.D

Injection Date:	25-Oct-2021 14:27:23	Instrument ID:	A2HPL2	Operator ID:	
Lims ID:	ccv			Worklist Smp#:	13
Client ID:					
Injection Vol:	10.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	Formaldehydel2	Limit Group:	GC 8315A ICAL		

Column: CuroSil PFP 5u (4.60 mm)



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 480-191204-1

SDG No.:

Lab Sample ID: CCV 240-509749/23 Calibration Date: 10/25/2021 15:57

Instrument ID: A2HPL2 Calib Start Date: 05/28/2021 12:08

GC Column: Formaldehyde ID: 4.60(mm) Calib End Date: 05/28/2021 13:02

Lab File ID: SIG10023.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Formaldehyde	Ave	341480	315364		1.85	2.00	-7.6	15.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 480-191204-1

SDG No.:

Lab Sample ID: CCV 240-509749/23 Calibration Date: 10/25/2021 15:57

Instrument ID: A2HPL2 Calib Start Date: 05/28/2021 12:08

GC Column: Formaldehyde ID: 4.60(mm) Calib End Date: 05/28/2021 13:02

Lab File ID: SIG10023.D

Analyte	RT	RT WINDOW	
		FROM	TO
Formaldehyde	4.92	4.46	4.96

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File:	\\chromfs\Canton\ChromData\A2HPL2\20211025-114414.b\SIG10023.D				
Lims ID:	ccv				
Client ID:					
Sample Type:	CCV				
Inject. Date:	25-Oct-2021 15:57:23	ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	10.0 ul	Dil. Factor:	1.0000		
Sample Info:	240-0114414-023				
Operator ID:		Instrument ID:	A2HPL2		
Sublist:	chrom-Formaldehydel2*sub1				
Method:	\\chromfs\Canton\ChromData\A2HPL2\20211025-114414.b\Formaldehydel2.m				
Limit Group:	GC 8315A ICAL				
Last Update:	26-Oct-2021 06:21:47	Calib Date:	28-May-2021 13:02:31		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Canton\ChromData\A2HPL2\20210528-109687.b\SIG10008.D				
Column 1 :	CuroSil PFP 5u (4.60 mm)		Det: LC vwd1a		
Process Host:	CTX1677				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 Formaldehyde	4.921	4.713	0.208	630727	2.00	1.85	

Reagents:

SGFORML_CCV_00025 Amount Added: 1.00 Units: mL

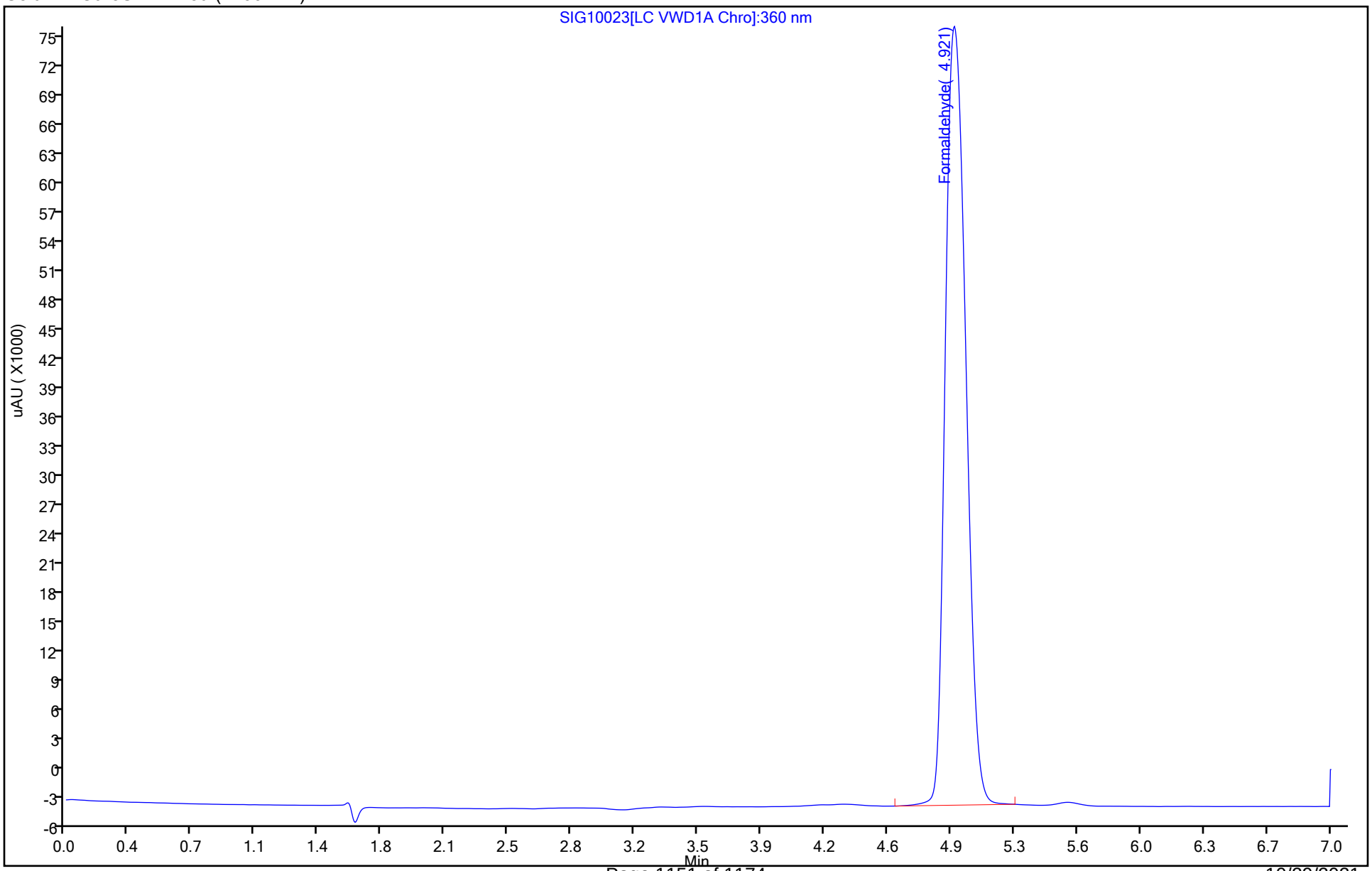
Report Date: 26-Oct-2021 06:21:47 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A2HPL2\20211025-114414.b\SIG10023.D

Injection Date:	25-Oct-2021 15:57:23	Instrument ID:	A2HPL2	Operator ID:	
Lims ID:	ccv			Worklist Smp#:	23
Client ID:					
Injection Vol:	10.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	Formaldehydel2	Limit Group:	GC 8315A ICAL		

Column: CuroSil PFP 5u (4.60 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 480-191204-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-509461/18-A

Matrix: Water Lab File ID: SIG10003.D

Analysis Method: 8315A Date Collected:

Extraction Method: 8315A_W_Prep Date Extracted: 10/22/2021 11:26

Sample wt/vol: 100(mL) Date Analyzed: 10/25/2021 12:57

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 10(uL) GC Column: Formaldehyde ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 509749 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	ND		0.050	0.041

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File:	\\chromfs\Canton\ChromData\A2HPL2\20211025-114414.b\SIG10003.D				
Lims ID:	MB 240-509461/18-A				
Client ID:					
Sample Type:	MB				
Inject. Date:	25-Oct-2021 12:57:17	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	10.0 ul	Dil. Factor:	1.0000		
Sample Info:	240-0114414-003				
Operator ID:		Instrument ID:	A2HPL2		
Method:	\\chromfs\Canton\ChromData\A2HPL2\20211025-114414.b\Formaldehydel2.m				
Limit Group:	GC 8315A ICAL				
Last Update:	26-Oct-2021 06:21:42	Calib Date:	28-May-2021 13:02:31		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Canton\ChromData\A2HPL2\20210528-109687.b\SIG10008.D				
Column 1 :	CuroSil PFP 5u (4.60 mm)		Det: LC vwd1a		
Process Host:	CTX1677				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 Formaldehyde	4.717	4.713	0.004	62390		0.1827	

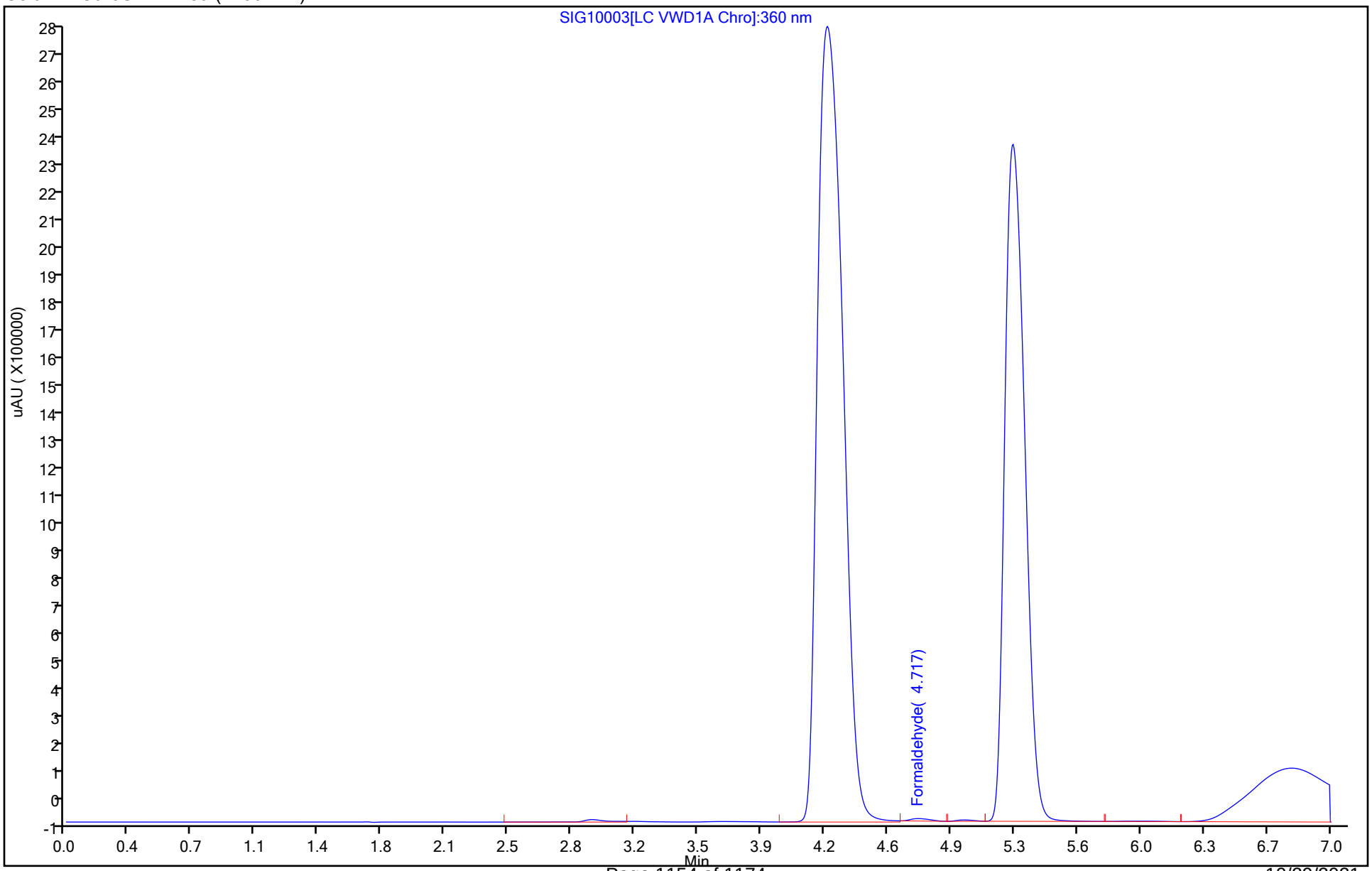
Report Date: 26-Oct-2021 06:21:42 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A2HPL2\20211025-114414.b\SIG10003.D

Injection Date:	25-Oct-2021 12:57:17	Instrument ID:	A2HPL2	Operator ID:	
Lims ID:	MB 240-509461/18-A			Worklist Smp#:	3
Client ID:					
Injection Vol:	10.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	Formaldehydel2	Limit Group:	GC 8315A ICAL		

Column: CuroSil PFP 5u (4.60 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 480-191204-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-509461/19-A

Matrix: Water Lab File ID: SIG10004.D

Analysis Method: 8315A Date Collected:

Extraction Method: 8315A_W_Prep Date Extracted: 10/22/2021 11:26

Sample wt/vol: 100(mL) Date Analyzed: 10/25/2021 13:06

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 10(uL) GC Column: Formaldehyde ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 509749 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	0.389		0.050	0.041

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A2HPL2\20211025-114414.b\SIG10004.D
Lims ID: LCS 240-509461/19-A
Client ID:
Sample Type: LCS
Inject. Date: 25-Oct-2021 13:06:17 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 10.0 ul Dil. Factor: 1.0000
Sample Info: 240-0114414-004
Operator ID: Instrument ID: A2HPL2

Method: \\chromfs\Canton\ChromData\A2HPL2\20211025-114414.b\Formaldehydel2.m
Limit Group: GC 8315A ICAL
Last Update: 26-Oct-2021 06:21:42 Calib Date: 28-May-2021 13:02:31
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A2HPL2\20210528-109687.b\SIG10008.D

Column 1 : CuroSil PFP 5u (4.60 mm) Det: LC vwd1a
Process Host: CTX1677

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 Formaldehyde	4.717	4.713	0.004	2654169	8.00	7.77	

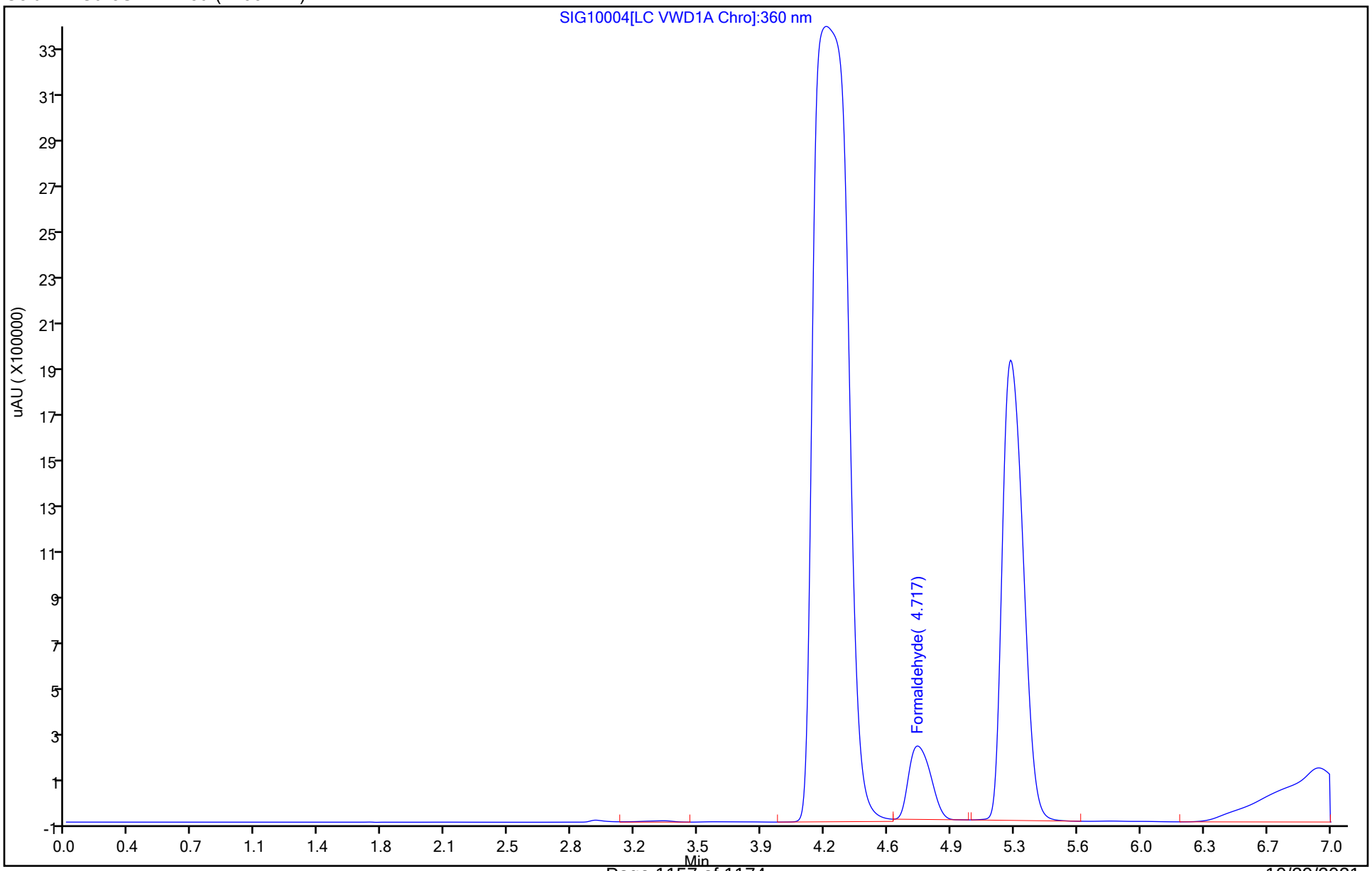
Report Date: 26-Oct-2021 06:21:43 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A2HPL2\20211025-114414.b\SIG10004.D

Injection Date:	25-Oct-2021 13:06:17	Instrument ID:	A2HPL2	Operator ID:	
Lims ID:	LCS 240-509461/19-A			Worklist Smp#:	4
Client ID:					
Injection Vol:	10.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	Formaldehydel2	Limit Group:	GC 8315A ICAL		

Column: CuroSil PFP 5u (4.60 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 480-191204-1

SDG No.:

Client Sample ID: BOR-OW-10R-WG MS Lab Sample ID: 480-191204-8 MS

Matrix: Water Lab File ID: SIG10012.D

Analysis Method: 8315A Date Collected: 10/20/2021 13:15

Extraction Method: 8315A_W_Prep Date Extracted: 10/22/2021 09:11

Sample wt/vol: 100(mL) Date Analyzed: 10/25/2021 14:18

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 10(uL) GC Column: Formaldehyde ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 509749 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	0.370		0.050	0.041

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File:	\\chromfs\Canton\ChromData\A2HPL2\20211025-114414.b\SIG10012.D				
Lims ID:	480-191204-F-8-B MS				
Client ID:	BOR-OW-10R-WG				
Sample Type:	MS				
Inject. Date:	25-Oct-2021 14:18:24	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	10.0 ul	Dil. Factor:	1.0000		
Sample Info:	240-0114414-012				
Operator ID:		Instrument ID:	A2HPL2		
Method:	\\chromfs\Canton\ChromData\A2HPL2\20211025-114414.b\Formaldehydel2.m				
Limit Group:	GC 8315A ICAL				
Last Update:	26-Oct-2021 06:21:42	Calib Date:	28-May-2021 13:02:31		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Canton\ChromData\A2HPL2\20210528-109687.b\SIG10008.D				
Column 1 :	CuroSil PFP 5u (4.60 mm)		Det: LC vwd1a		
Process Host:	CTX1677				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 Formaldehyde	4.815	4.713	0.102	2527642	8.00	7.40	

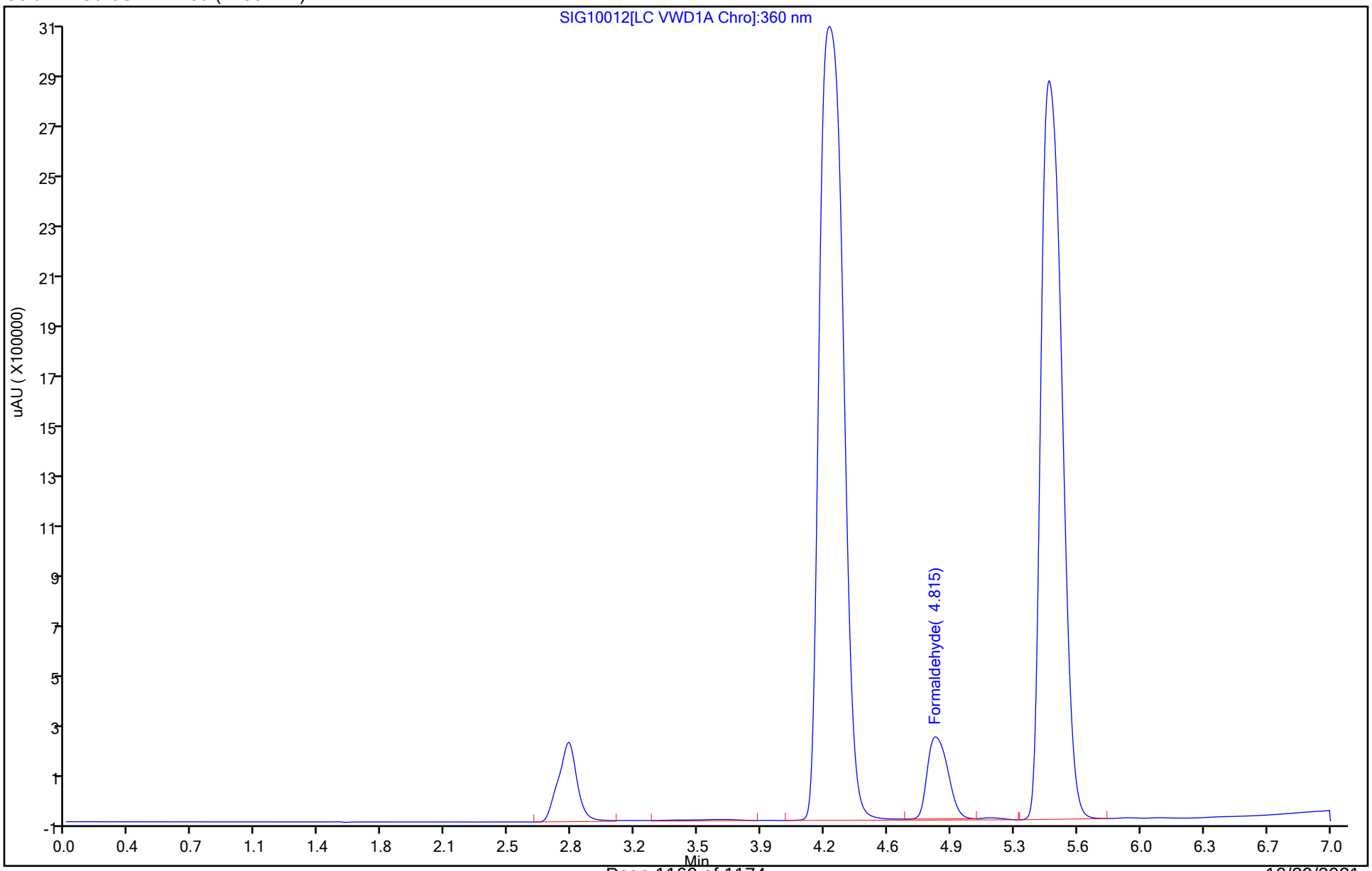
Report Date: 26-Oct-2021 06:21:44 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A2HPL2\20211025-114414.b\SIG10012.D

Injection Date:	25-Oct-2021 14:18:24	Instrument ID:	A2HPL2	Operator ID:	
Lims ID:	480-191204-F-8-B MS			Worklist Smp#:	12
Client ID:	BOR-OW-10R-WG				
Injection Vol:	10.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	Formaldehydel2	Limit Group:	GC 8315A ICAL		

Column: CuroSil PFP 5u (4.60 mm)



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 480-191204-1

SDG No.:

Client Sample ID: BOR-OW-10R-WG MSD Lab Sample ID: 480-191204-8 MSD

Matrix: Water Lab File ID: SIG10014.D

Analysis Method: 8315A Date Collected: 10/20/2021 13:15

Extraction Method: 8315A_W_Prep Date Extracted: 10/22/2021 09:11

Sample wt/vol: 100(mL) Date Analyzed: 10/25/2021 14:36

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 10(uL) GC Column: Formaldehyde ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 509749 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	0.353		0.050	0.041

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File:	\\chromfs\Canton\ChromData\A2HPL2\20211025-114414.b\SIG10014.D				
Lims ID:	480-191204-F-8-C MSD				
Client ID:	BOR-OW-10R-WG				
Sample Type:	MSD				
Inject. Date:	25-Oct-2021 14:36:22	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	10.0 ul	Dil. Factor:	1.0000		
Sample Info:	240-0114414-014				
Operator ID:		Instrument ID:	A2HPL2		
Method:	\\chromfs\Canton\ChromData\A2HPL2\20211025-114414.b\Formaldehydel2.m				
Limit Group:	GC 8315A ICAL				
Last Update:	26-Oct-2021 06:21:45	Calib Date:	28-May-2021 13:02:31		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Canton\ChromData\A2HPL2\20210528-109687.b\SIG10008.D				
Column 1 :	CuroSil PFP 5u (4.60 mm)		Det: LC vwd1a		
Process Host:	CTX1677				

Compound	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 Formaldehyde	4.834	4.713	0.121	2410264	8.00	7.06	

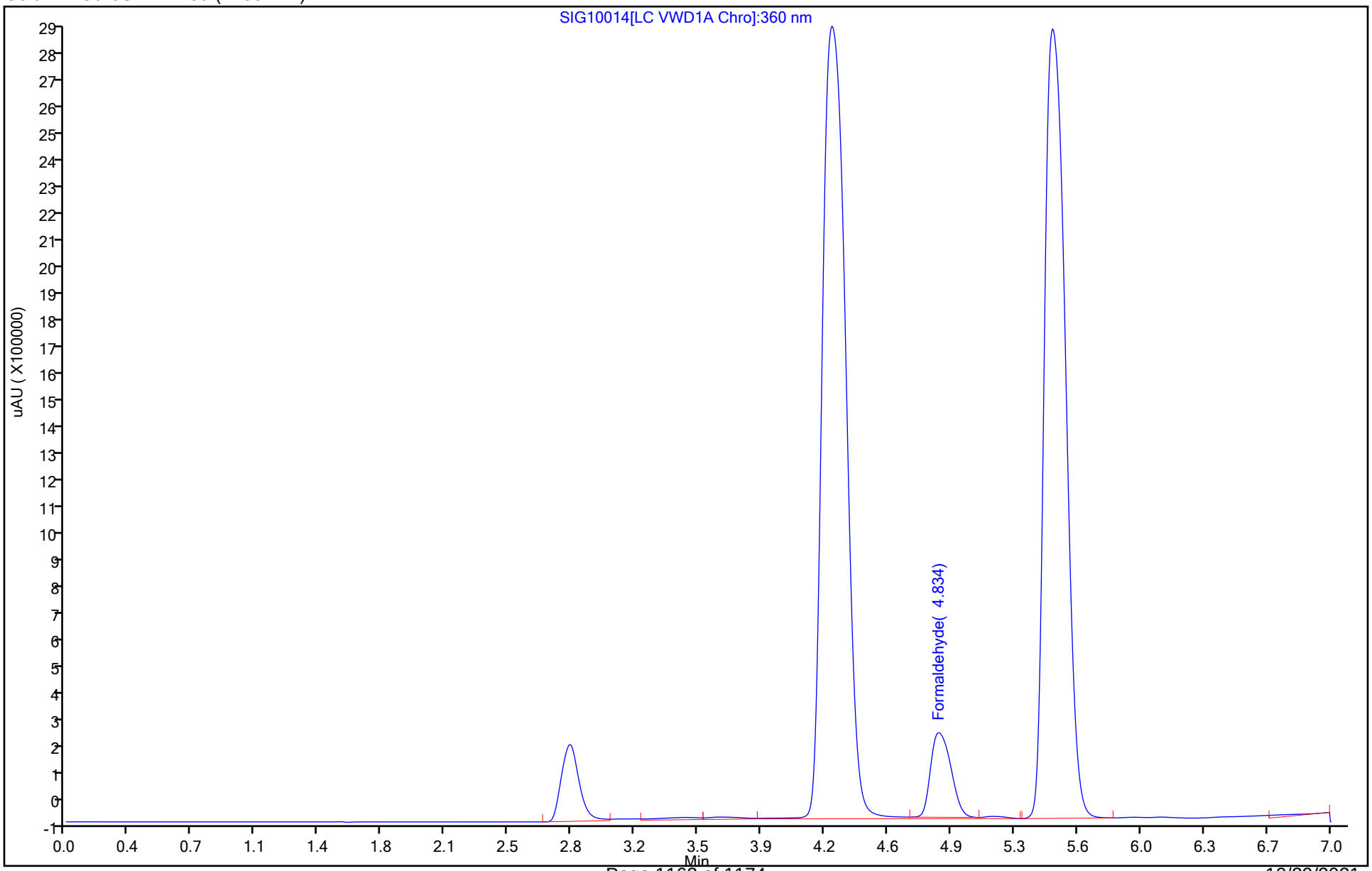
Report Date: 26-Oct-2021 06:21:45 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A2HPL2\20211025-114414.b\SIG10014.D

Injection Date:	25-Oct-2021 14:36:22	Instrument ID:	A2HPL2	Operator ID:	
Lims ID:	480-191204-F-8-C MSD			Worklist Smp#:	14
Client ID:	BOR-OW-10R-WG				
Injection Vol:	10.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	Formaldehydel2	Limit Group:	GC 8315A ICAL		

Column: CuroSil PFP 5u (4.60 mm)



HPLC/IC ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Canton Job No.: 480-191204-1

SDG No.:

Instrument ID: A2HPL2 Start Date: 05/28/2021 12:08

Analysis Batch Number: 488104 End Date: 05/28/2021 13:11

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STDFORM1 240-488104/2 IC		05/28/2021 12:08	1	SIG10002.D	Formaldehyde 4.6(mm)
STDFORM2 240-488104/3 IC		05/28/2021 12:17	1	SIG10003.D	Formaldehyde 4.6(mm)
STDFORM3 240-488104/4 IC		05/28/2021 12:26	1	SIG10004.D	Formaldehyde 4.6(mm)
STDFORM4 240-488104/5 ICRT		05/28/2021 12:35	1	SIG10005.D	Formaldehyde 4.6(mm)
STDFORM5 240-488104/6 IC		05/28/2021 12:44	1	SIG10006.D	Formaldehyde 4.6(mm)
STDFORM6 240-488104/7 IC		05/28/2021 12:53	1	SIG10007.D	Formaldehyde 4.6(mm)
STDFORM7 240-488104/8 IC		05/28/2021 13:02	1	SIG10008.D	Formaldehyde 4.6(mm)
ICV 240-488104/9		05/28/2021 13:11	1	SIG10009.D	Formaldehyde 4.6(mm)

HPLC/IC ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Canton Job No.: 480-191204-1

SDG No.:

Instrument ID: A2HPL2 Start Date: 10/25/2021 12:48

Analysis Batch Number: 509749 End Date: 10/25/2021 15:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 240-509749/2 CCVRT		10/25/2021 12:48	1	SIG10002.D	Formaldehyde 4.6(mm)
MB 240-509461/18-A		10/25/2021 12:57	1	SIG10003.D	Formaldehyde 4.6(mm)
LCS 240-509461/19-A		10/25/2021 13:06	1	SIG10004.D	Formaldehyde 4.6(mm)
ZZZZZ		10/25/2021 13:15	1		Formaldehyde 4.6(mm)
ZZZZZ		10/25/2021 13:24	1		Formaldehyde 4.6(mm)
ZZZZZ		10/25/2021 13:33	1		Formaldehyde 4.6(mm)
ZZZZZ		10/25/2021 13:42	1		Formaldehyde 4.6(mm)
ZZZZZ		10/25/2021 13:51	1		Formaldehyde 4.6(mm)
480-191204-2	BOR-MW-27-WG	10/25/2021 14:00	1	SIG10010.D	Formaldehyde 4.6(mm)
480-191204-8	BOR-OW-10R-WG	10/25/2021 14:09	1	SIG10011.D	Formaldehyde 4.6(mm)
480-191204-8 MS	BOR-OW-10R-WG MS	10/25/2021 14:18	1	SIG10012.D	Formaldehyde 4.6(mm)
CCV 240-509749/13		10/25/2021 14:27	1	SIG10013.D	Formaldehyde 4.6(mm)
480-191204-8 MSD	BOR-OW-10R-WG MSD	10/25/2021 14:36	1	SIG10014.D	Formaldehyde 4.6(mm)
480-191204-10	BOR-DUP-2-WG	10/25/2021 14:45	1	SIG10015.D	Formaldehyde 4.6(mm)
ZZZZZ		10/25/2021 14:54	1		Formaldehyde 4.6(mm)
ZZZZZ		10/25/2021 15:03	1		Formaldehyde 4.6(mm)
ZZZZZ		10/25/2021 15:12	1		Formaldehyde 4.6(mm)
ZZZZZ		10/25/2021 15:21	1		Formaldehyde 4.6(mm)
ZZZZZ		10/25/2021 15:30	1		Formaldehyde 4.6(mm)
ZZZZZ		10/25/2021 15:39	1		Formaldehyde 4.6(mm)
ZZZZZ		10/25/2021 15:48	1		Formaldehyde 4.6(mm)
CCV 240-509749/23		10/25/2021 15:57	1	SIG10023.D	Formaldehyde 4.6(mm)

HPLC/IC BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 480-191204-1

SDG No.:

Batch Number: 509461 Batch Start Date: 10/22/21 09:11 Batch Analyst: Blythe, Brittany

Batch Method: 8315A_W_Prep Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	Final pH	exFORMSPKW 00051	
480-191204-F-2	BOR-MW-27-WG	8315A_W_Prep, 8315A	T	100 mL	5 mL	7 SU	5 SU		
480-191204-F-8	BOR-OW-10R-WG	8315A_W_Prep, 8315A	T	100 mL	5 mL	7 SU	5 SU		
480-191204-F-8 MS	BOR-OW-10R-WG	8315A_W_Prep, 8315A	T	100 mL	5 mL	7 SU	5 SU	1 mL	
480-191204-F-8 MSD	BOR-OW-10R-WG	8315A_W_Prep, 8315A	T	100 mL	5 mL	7 SU	5 SU	1 mL	
480-191204-F-10	BOR-DUP-2-WG	8315A_W_Prep, 8315A	T	100 mL	5 mL	7 SU	5 SU		
MB 240-509461/18		8315A_W_Prep, 8315A		100 mL	5 mL	7 SU	5 SU		
LCS 240-509461/19		8315A_W_Prep, 8315A		100 mL	5 mL	7 SU	5 SU	1 mL	

Batch Notes	
pH Meter ID	5180569
Pipette/Syringe/Dispenser ID	6 7
Acetate Buffer Lot #	5432156
DNPH ID	5483527
MeCL2 ID	5508007
Na2SO4 ID	5382424
Analyst ID - Concentration	ELIZABETH BORDER
Batch Comment	derivatized at 11:58 on 10/22

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Subcontract Data

Shipping and Receiving Documents

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

Formaldehyde → CANTON → Rush Syr. - RT

eurofins Environment Testing America

Syracuse #225

Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No
Client Contact: Nick Gier	Kevin Murphy / Nick Gier	Hartmann, Steve	State of Origin	480-166579-36503.1
Company: TRC Environmental Corporation	Phone	E-Mail: Steve.Hartmann@Eurofinset.com		Page: Page 1 of 2
Address: 1090 Union Road Suite 280	PWSID	Due Date Requested:		Job #
City: West Seneca		TAT Requested (days): Standard		
State, Zip: NY, 14224		Compliance Project: Δ Yes Δ No		
Phone: 929-502-6469		PO #: Callout: 140278		
Email: NGier@trccompanies.com / jraup@trccompanies.com		WO #		
Project Name: Borden Chemical #709001		Project #: 48024448		
Site		SSOW#		

Analysis Requested

CANTON SHORT HOLD

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270D - Phenol	8260C - BTEX - 8260	8315A - Formaldehyde	8082A - PCBs	Total Number of containers	Special Instructions/Note:
Preservation Code:							N	A	N	N		
BOR-MW-2B-WG	10/19/21	1320	G	Water		Y				X		
BOR-MW-27-WG	10/19/21	1510	G	Water			X	X	X			
BOR-DUP-1-WG	10/19/21	0800	G	Water						X		
BOR-MW-17-WG	10/20/21	0920	G	Water						X		
BOR-BC/SMP-WS	10/20/21	0945	G	Water			X	X				
BOR-MW-28-WG	10/20/21	1140	G	Water			X	X				
BOR-MW-30-WG	10/20/21	1200	G	Water			X	X				
BOR-OW-10R-WG	10/20/21	1315	G	Water		Y	X	X	X			
BOR-OW-35R-WG	10/20/21	1440	G	Water			X	X				
BOR-DUP-2-WG	10/20/21	0800	G	Water			X	X	X			
Trip Blank				Water				X				

480-191204 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:		
Relinquished by: K. Murphy - Kevin Murphy	Date/Time: 10/20/21 1710	Company: TRC	Received by: R. Tighlman	Date/Time: 10.20.21, 17:10	Company: Syr	
Relinquished by: R. Tighlman	Date/Time: 10.20.21, 1900	Company: Syr	Received by:	Date/Time:	Company:	
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time: 10/21/21 0800	Company: TA	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 2.6, 2.9 #1

Ver: 06/08/2021

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins Environment Testing America

Client Information
Client Contact: Nick Gier
Company: TRC Environmental Corporation
Address: 1090 Union Road Suite 280
City: West Seneca
State, Zip: NY, 14224
Phone: 929-502-6469
Email: NGier@trccompanies.com / jcrupe@trccompanies.com
Project Name: Borden Chemical #709001
Site:

Sampler: Kevin Murphy / Nick Gier
Phone:
PWSID:
Due Date Requested:
TAT Requested (days): Standard
Compliance Project: Δ Yes Δ No
PO #: Callout: 140278
WO #:
Project #: 48024448
SSOW#:

Lab PM: Hartmann, Steve
E-Mail: Steve.Hartmann@Eurofinset.com
Carrier Tracking No(s):
State of Origin: Syracuse #225

COC No: 480-166579-36503.2
Page: Page 2 of 2
Job #:

Analysis Requested

Preservation Codes:
A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270D - Phenol	8260C - BTEX - 8260	8315A - Formaldehyde	8082A - PCBs	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	A	N	N		
Trip Blank				Water				X				
BOR-MW-15-WG	10/20/21	1330	G	Water			X	X				
BOR-MW-35R-WG	10/19/21	1520	G	Water			X	X				
				Water								
				Water								
				Water								
				Water								
				Water								
Trip Blank 1				Water								
Trip Blank 2				Water								
Trip Blank 3				Water								

K 10/20/21

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological
Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Special Instructions/QC Requirements:

Empty Kit Relinquished by: Date: Time: Method of Shipment:

	Date/Time	Company		Date/Time	Company
Relinquished by: Kevin Murphy	10/20/21 1710	TRC	Received by: R. English	10:20:21, 17:10	Syr
Relinquished by: R. English	10:20:21, 1900	Syr	Received by:		
Relinquished by:			Received by:	10/21/21 0800	SA

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

2.2-2.3

Chain of Custody Record

eurofins Environment Testing America

Formaldehyde → CANTON → Rush Syr. - RE

Client Information	Sampler: Kevin Murphy / Nick Gier	Lab PM: Hartmann, Steve	Carrier Tracking No(s): Syracuse	COC No: 480-166579-36503.1
Client Contact: Nick Gier	Phone:	E-Mail: Steve.Hartmann@Eurofinset.com	State of Origin: #225	Page: Page 1 of 2
Company: TRC Environmental Corporation	PWSID:			Job #:
Address: 1090 Union Road Suite 280	Due Date Requested:			
City: West Seneca	TAT Requested (days): Standard			
State, Zip: NY, 14224	Compliance Project: Δ Yes Δ No			
Phone: 929-502-6469	PO #: Callout: 140278			
Email: NGier@trccompanies.com / jrump@trccompanies.com	WO #:			
Project Name: Borden Chemical #709001	Project #: 48024448			
Site:	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270D - Phenol	8260C - BTEX - 8260	8315A - Formaldehyde	8082A - PCBs	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	A	N	N		
BOR-MW-28-WG	10/19/21	1320	G	Water		Y				X		
BOR-MW-27-WG	10/19/21	1510	G	Water			X	X	X			
BOR-DUP-1-WG	10/19/21	0800	G	Water						X		
BOR-MW-17-WG	10/20/21	0920	G	Water						X		
BOR-BC/SMP-WS	10/20/21	0945	G	Water			X	X				
BOR-MW-28-WG	10/20/21	1140	G	Water			X	X				
BOR-MW-30-WG	10/20/21	1200	G	Water			X	X				
BOR-OW-10R-WG	10/20/21	1315	G	Water		Y	X	X	X			
BOR-OW-35R-WG	10/20/21	1440	G	Water			X	X				
BOR-DUP-2-WG	10/20/21	0800	G	Water			X	X	X			
Trip Blank				Water				X				

SHORT HOLD

480-191204 Chain of Custody

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:	
Relinquished by: K. Murphy - Kevin Murphy	Date/Time: 10/20/21 1710	Company: TRC	Received by: R. English	Date/Time: 10.20.21, 17:10	Company: Syr		
Relinquished by: R. English	Date/Time: 10-20-21, 1900	Company: Syr	Received by: M Mansfield Black	Date/Time: 10-21-21 9:45	Company: ERP		
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:		

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing America

Client Information

Client Contact: Nick Gier	Sampler: Kevin Murphy / N. Gier	Lab PM: Hartmann, Steve	Carrier Tracking No(s): Syracuse #225	COC No: 480-166579-36503.2
Company: TRC Environmental Corporation	Phone:	E-Mail: Steve.Hartmann@Eurofinset.com	State of Origin:	Page: Page 2 of 2
Address: 1090 Union Road Suite 280	PWSID:	Due Date Requested:	Analysis Requested	Job #:
City: West Seneca		TAT Requested (days): Standard		
State, Zip: NY, 14224		Compliance Project: Δ Yes Δ No		
Phone: 929-502-6469		PO #: Callout: 140278		
Email: NGier@trccompanies.com / jcrump@trccompanies.com		WO #:		
Project Name: Borden Chemical #709001		Project #: 48024448		
Site:		SSOW#:		

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270D - Phenol	8260C - BTEX - 8260	8315A - Formaldehyde	8082A - PCBs	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	A	N	N		
Trip Blank				Water				X				
BOR-MW-15-WG	10/20/21	1330	G	Water			X	X				
BOR-MW-35R-WG	10/19/21	1520	G	Water			X	X				
				Water								
				Water								
				Water								
K M 10/20/21				Water								
				Water								
Trip Blank 1				Water								
Trip Blank 2				Water								
Trip Blank 3				Water								

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: K Murphy - Kevin Murphy	Date/Time: 10/20/21 1710	Company: TRC	Received by: R. English	Date/Time: 10-20-21 17:10	Company: Eur		
Relinquished by: R English	Date/Time: 10-20-21 1900	Company: Eur	Received by: Mandy Black	Date/Time: 10-21-21 9:45	Company: CAL		
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:		

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Eurofins TestAmerica Canton Sample Receipt Form/Narrative **Login # : 480-191204**
Canton Facility

Client ETA buffalo Site Name _____ Cooler unpacked by: Mandelyn Blood

Cooler Received on 10-21-21 Opened on 10-21-21

FedEx: 1st Grd Exp UPS FAS Clipper Client Drop Off TestAmerica Courier Other _____

Receipt After-hours: Drop-off Date/Time _____ Storage Location _____

TestAmerica Cooler # TA Foam Box Client Cooler Box Other _____

Packing material used: Bubble Wrap Foam Plastic Bag None Other _____

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt ☐ See Multiple Cooler Form
   IR GUN# IR-14 (CF +0.1 °C) Observed Cooler Temp. 22 °C Corrected Cooler Temp. 23 °C
   IR GUN #IR-15 (CF +0.2°C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	Yes	No
-Were the seals on the outside of the cooler(s) signed & dated?	Yes	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	No
-Were tamper/custody seals intact and uncompromised?	Yes	No NA
3. Shippers' packing slip attached to the cooler(s)?	Yes	No
4. Did custody papers accompany the sample(s)?	Yes	No
5. Were the custody papers relinquished & signed in the appropriate place?	Yes	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	Yes	No
7. Did all bottles arrive in good condition (Unbroken)?	Yes	No
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC?	Yes	No
9. For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp(Y/N)?		
10. Were correct bottle(s) used for the test(s) indicated?	Yes	No
11. Sufficient quantity received to perform indicated analyses?	Yes	No
12. Are these work share samples and all listed on the COC?	Yes	No
If yes, Questions 13-17 have been checked at the originating laboratory.		
13. Were all preserved sample(s) at the correct pH upon receipt?	Yes	No NA pH Strip Lot# HC157842
14. Were VOAs on the COC?	Yes	No
15. Were air bubbles >6 mm in any VOA vials? ● ← Larger than this.	Yes	No NA
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____	Yes	No
17. Was a LL Hg or Me Hg trip blank present? _____	Yes	No

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page | Samples processed by:

_____

_____

_____

_____

19. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.

Time preserved: _____ Preservative(s) added/Lot number(s): _____

VOA Sample Preservation - Date/Time VOAs Frozen: _____

Login Sample Receipt Checklist

Client: New York State D.E.C. Job Number: 480-191204-1

Login Number: 191204 **List Source: Eurofins TestAmerica, Buffalo**
List Number: 1
Creator: Wallace, Cameron

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	TRC
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

APPENDIX E

SITE Former Borden Facility	**SDG No.** R1905417
LABORATORY: ALS – Rochester, NY	**NO. OF SAMPLES:** 2
SAMPLE IDs: MW-15, MW-27	**COMPLETION DATE:** 1/6/20
DATES SAMPLED: 6/10/19	**ANALYTICAL METHOD** EPA Method 8270 SIM

1,4-dioxane in groundwater

The data is usable as reported with the following qualifications noted in the comments section of the table.

MW-17 and Dupe were not run for 1,4-dioxane.

MW-27 control limits were exceeded due to matrix interferences. The sample was re-extracted and analyzed outside of the holding time. Both results were reported. The higher result from the run on 6/18/19 should be used.

Review Criteria	Acceptance Criteria	Criteria Met	Comments/Action
Preservation and Holding Times	< 7 days to extract 40 days to analyze extract Chill to 0-6°C	Sampled – 6/10/19 Extracted – 6/17/19 Analyzed – 6/17/19 Cooler Temp 2°C	No action necessary
Sample Result Info Accuracy	Sample information on COC match information on sample result pages	No	COC indicates MW-17 should have been analyzed for 14DX. Dupe Analysis box is checked for 14DX, but is not labeled appropriately. Dupe was not analyzed
Blank	1 every 12 hours, no detections	Criteria were met	No action necessary

Initial Calibration	Minimum relative response factor (RRF) 0.01 Maximum %RSD - 40	RRF – 1.263 %RSD – 4.64 Criteria were met	No action necessary
Lab Control Spike	70-130%	Criteria were met	No action necessary
Continuing Calibration Verification (CCV)	Opening CCV %D +/- 40 Closing Max %D +/- 50	Opening %D – -10.5% Closing %D – -12.8% Criteria were met	No action necessary
Surrogate	Use lab defined limits	No	MW-27 run on 12/18/19 recovered below control limits. Rerun on 12/24/19. Use results from 12/18/19.
Matrix Spike/Matrix Spike Duplicate	Use lab defined criteria	NA	Matrix effects could not be evaluated
Reporting Limits	<0.35 ug/L	Criteria were met	No action necessary
Relative Percent Difference – Field Duplicate	<50%	NA	Dupe not analyzed, parent not sent to lab
Overall Assessment of Data	Data is usable.		

SITE Former Borden Facility	**SDG No.** R1905417
LABORATORY ALS – Kelso, WA	**NO. OF SAMPLES** 4
SAMPLE ID MW-15, MW-17, MW-27, Dupe	**COMPLETION DATE** 1/6/19
DATES SAMPLED 6/10/19	**ANALYTICAL METHOD** EPA Method 537 Modified

PFAS Non-Potable Water

The data is usable with the following qualifications listed in the comments section of the table.

The parent sample for Dupe was not submitted for analysis. Consider renaming this sample.

An MS/MSD was not analyzed for PFAS with these samples.

It is unclear if secondary ion transitions were used on samples.

It is unclear if signal to noise ratio was calculated.

It is unclear if both branched and linear isomers were used in the calibration. If branched isomers aren't accounted for in the calibration curves or samples, results could be biased low.

Review Criteria	Acceptance Criteria	Criteria Met (Y/N)	Comments/Action
Preservation and Holding Times	< 14 days to extract, 28 days to analyze extract <10C when received at the lab (not to exceed 10C within the first 48 hours)	Sampled – 6/10/19 Prepared – 6/18/19 Analyzed – 6/20/19 Cooler Temperature upon arrival – 0.6°C Criteria were met	No action necessary
Calibration	-5 Standards -%RSD <20 -R^2 > 0.99 (linear fit)	7 Standards %RSDs <20 R^2>0.99 Criteria were met	No action necessary
Blanks	No detections above the reporting limit	No detections above the reporting limit	No action necessary

Initial Calibration Verification	LL ICV 50-150% HL ICV 70-130%	ML ICV 70-130% Criteria were met	No action necessary
Continuing Calibration Checks (CCC)	Frequency – beginning and end of run, and after every 10th sample 70-130% Recovery	Criteria were met	No action necessary
Duplicates	RPD ≤ 30%	NA	Parent Sample for Dupe not collected for PFAS.
MS/MSD	In house limits 70-130% RPD <30%	NA	Matrix effects could not be evaluated.
Extracted Internal Standards (Isotope Dilution Analytes)	50-150%	Several IDA recoveries were outside of the range	The following compounds should be qualified with a J flag: <u>MW-27</u> FOSA 6:2 FTS <u>MW-15</u> PFBS PFBA PFPeA PFHxA PFHpA FOSA 6:2 FTS <u>MW-17</u> PFBS PFPeA FOSA <u>Dupe</u> PFBS PFBA PFPeA PFHpA FOSA 6:2 FTS

Lab Control Spike	70-130% or in house control limits 1 per 20 samples	Criteria were met	No action necessary
Manual Calculation of result	Calculated result and reported result must be the same taking into consideration effects of rounding	Criteria were met	No action necessary
Sample Result Info Accuracy	Sample information on result pages must match COC	Criteria were met	No action necessary
Peak Integration	Peaks must be integrated properly	Criteria were met	No action necessary
Secondary ion (qualifier ion) monitoring	Secondary ion transition should be monitored, and the ratio of quantifier ion to qualifier ion must be within lab defined criteria	No	Used for some calibration standards, unclear if used with samples, cannot confirm presence of analytes
Signal to noise ratio	Signal to noise ratio should be calculated for each compound. s/n > 3 for quant ion	No	Doesn't appear to be calculated. Could result in background noise misinterpreted as a peak
Branched and linear isomers	Both branched and linear isomers should be used for calibration curves and sample quantification	No	Unclear if used for sample quantification. Results could be biased low.
Ion Transitions	PFOA 413 > 369 PFOS 499 > 80 PFHxS 399 > 80 PFBS 299 > 80 6:2 FTS 427 > 407 8:2 FTS 527 > 507 NEtFOSAA 584 > 419 NMeFOSAA 570 > 419	Criteria were met	No action necessary
Reporting Limits	Must meet project objectives 2 ng/L for PFOA and PFOS	Criteria were met	Elevated RLs for compounds other than PFOA and PFOS

SITE Former Borden Facility	**SDG No.** R1905417
LABORATORY ALS – Rochester, NY	**NO. OF SAMPLES** 10
SAMPLE IDs MW-15, MW-16, MW-17, MW-19, MW-27, MW-28, MW-35R, OW-10R, OW-35R, Beatty Creek	**COMPLETION DATE** 1/6/20
DATES SAMPLED 6/10/19	**ANALYTICAL METHOD** EPA Method 8270

Semi-Volatile Organics in aqueous matrices

The data for Phenols should be rejected. Significant blank contamination in Method Blank RQ1905921-01. The re-extraction and analysis were run out of hold time.

Several samples were re-extracted and reanalyzed outside of holding time for various issues noted in the case narrative.

Review Criteria	Acceptance Criteria	Criteria Met (Y/N)	Comments/Action
Preservation and Holding Times	7 days to extraction 40 days to analyze	Collected – 6/10/19 Extracted – 6/17/19 Analyzed – 6/19/19 Cooler temp 2°C upon arrival	No action necessary MW-15, MW-16, MW-27, MW-28, MW-35R, OW-10R reanalyzed out of holding time
Instrument Performance Check	1 each 12 hour shift	Criteria were met	No action necessary
	Must meet Criteria in Table 33 of NFG	Criteria were met	
Initial Calibration	RRF, %RSD, mean RRF must meet criteria	Criteria were met	No action necessary
Continuing Calibration Verification (CCV)	RRF and %D in Table 2 of SOP HW-35 must meet criteria	Criteria were met	No action necessary
	Opening and Closing within a 12 hour shift		

Blank	1 every 12 hours, no detections above RL	RQ1905921-01 Result – 500 E	Reject all data associated with Method Blank RQ1905921-01
Deuterated Monitoring Compounds	Table 6 of SOP HW-35 recovery limits Phenol-d6 10-130%	Criteria were met	MW-15, MW-16, MW-28 %Rec = 0% Samples were re-extracted and reanalyzed outside of hold time
Matrix Spike/ Matrix Spike Duplicate	% Recovery and RPD must meet lab defined criteria	NA	Matrix effects could not be evaluated
Internal Standard	%Recovery 50-200	Criteria were met	No action necessary
Field Duplicate	RPD <50%	NA	Dupe was not analyzed for SVOCs
Sample Result Info Accuracy	Sample information on result pages must match COC	Criteria were met	No action necessary
Overall Assessment of Data	Data should be rejected		

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

Borden Chemical #709001
Eurofins SDG#480-191204-1
December 8, 2021
Sampling date: 10/19, 20/2021

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for TRC Environmental Co., project located at Borden Chemical #709001, Eurofins SDG#480-191204-1 submitted to Vali-Data of WNY, LLC on November 8, 2021. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG) and NYSDEC Analytical Services Protocols. The laboratory performed the analyses using USEPA method Volatile Organics (8260C), Semi-Volatile Organics (8270D), PCB (8082A) and Carbonyl Compounds by HPLC (8315A).

ID	Sample ID	Laboratory ID
1	BOR-MW-2B-WG	480-191204-1
2	BOR-MW-27-WG	480-191204-2
3	BOR-DUP-1-WG	480-191204-3
4	BOR-MW-17-1-WG	480-191204-4
5	BOR-BC-SMP-WG	480-191204-5
6	BOR-MW-28-WG	480-191204-6
7	BOR-MW-30-WG	480-191204-7
8	BOR-OW-10R-WG	480-191204-8
9	BOR-OW-35R-WG	480-191204-9
10	BOR-DUP-2-WG	480-191204-10
11	TRIP BLANK1	480-191204-11
12	TRIP BLANK2	480-191204-12
13	BOR-MW-15-WG	480-191204-13
14	BOR-MW-35R-WG	480-191204-14

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration

-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met except the %D of several target analytes were outside QC limits in CCVIS 480-601826/3. These target analytes should be qualified as estimated in the associated samples, blanks and spikes.

Calibration ID	Target analyte	%D	Qualifier	Associated Sample
CCVIS 480-601826/3	Toluene	21.9	UJ/J	MB/LCS 480-601826, 2, 5-14, 8MS/MSD
CCVIS 480-601826/3	m&p-Xylene	21.0	UJ/J	MB/LCS 480-601826, 2, 5-14, 8MS/MSD
CCVIS 480-601826/3	Benzene	20.9	UJ/J	MB/LCS 480-601826, 2, 5-14, 8MS/MSD

GC/MS PERFORMANCE CHECK
All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All the criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All the criteria were met.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on some surrogates, with acceptable results except as mentioned above.

CONTINUING CALIBRATION
All criteria were met.

GC/MS PERFORMANCE CHECK
All criteria were met.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Compound Quantitation and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All the criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All the criteria were met.

COMPOUND QUANTITATION
All criteria were met except the RPD of Aroclor 1242 was outside QC limits between the columns in BOR-MW-2B-WG and should be qualified as estimated.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used on most of the target analytes and surrogates, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of Aroclor 1242 peak 1 was outside QC limits off column ZB-35, which was prime, in CCV 480-601894/9. This target analyte should be qualified as estimated in the blank, spikes and samples.
Some target analytes were outside laboratory QC limits but were within NFG QC limits, so no further action is required.
Some target analytes were outside QC limits on the confirmatory column but were within limits on the primary column, so no further action is required.

CARBONYL COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Blanks
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation

- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

BLANKS
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All the criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All the criteria were met.

COMPOUND QUANTITATION
All the criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met.

Job Narrative
480-191204-1

Comments
No additional comments.

Receipt
The samples were received on 10/21/2021 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.3º C, 2.6º C and 2.9º C.

GC/MS VOA
Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: BOR-OW-10R-WG (480-191204-8), BOR-OW-10R-WG (480-191204-8[MS]), BOR-OW-10R-WG (480-191204-8[MSD]), BOR-DUP-2-WG (480-191204-10) and BOR-MW-15-WG (480-191204-13). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-601826 recovered above the upper control limit for m-Xylene & p-Xylene, Benzene, Toluene and Total BTEX. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: BOR-MW-27-WG (480-191204-2), BOR-BC/SMP-WS (480-191204-5), BOR-MW-30-WG (480-191204-7), TRIPBLANK (480-191204-11), TRIPBLANK (480-191204-12) and BOR-MW-35R-WG (480-191204-14).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-601826 recovered above the upper control limit for m-Xylene & p-Xylene and Toluene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: BOR-MW-28-WG (480-191204-6) and BOR-OW-35R-WG (480-191204-9).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-601826 recovered above the upper control limit for m-Xylene & p-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: BOR-OW-10R-WG (480-191204-8) and BOR-DUP-2-WG (480-191204-10).

Method 8260C: The continuing calibration verification (CCV) analyzed in 480-601826 was outside the method criteria for the following analyte(s): Benzene and Total BTEX. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated. The associated samples are impacted: BOR-MW-28-WG (480-191204-6) and BOR-OW-35R-WG (480-191204-9).

Method 8260C: The continuing calibration verification (CCV) analyzed in 480-601826 was outside the method criteria for the following analyte(s): Toluene, Benzene and Total BTEX. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated. The associated samples are impacted: BOR-OW-10R-WG (480-191204-8) and BOR-DUP-2-WG (480-191204-10).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-601826 recovered above the upper control limit for m-Xylene & p-Xylene and Benzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: BOR-MW-15-WG (480-191204-13).

Method 8260C: The continuing calibration verification (CCV) analyzed in 480-601826 was outside the method criteria for the following analyte(s): Toluene, and Total BTEX. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated. The associated sample is impacted: BOR-MW-15-WG (480-191204-13).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The following samples were diluted to bring the concentration of target analytes within the calibration range: BOR-OW-10R-WG (480-191204-8), BOR-OW-10R-WG (480-191204-8[MS]), BOR-OW-10R-WG (480-191204-8[MSD]) and BOR-DUP-2-WG (480-191204-10). Elevated reporting limits (RLs) are provided.

Method 8270D: The following samples were diluted due to the abundance of target analytes: BOR-OW-10R-WG (480-191204-8[MS]) and BOR-OW-10R-WG (480-191204-8[MSD]). Because of this dilution, the surrogate spike and matrix spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8270D: The following samples were diluted due to the abundance of target analytes: BOR-OW-10R-WG (480-191204-8) and BOR-DUP-2-WG (480-191204-10). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method 8270D: The following sample was diluted to bring the concentration of target analytes within the calibration range: BOR-MW-15-WG (480-191204-13). Elevated reporting limits (RLs) are provided.

Method 8270D: The following sample was diluted due to the abundance of target analytes: BOR-MW-15-WG (480-191204-13). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

HPLC/IC
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
Method 3510C: Due to the matrix, the initial volume(s) used for the following samples deviated from the standard procedure: BOR-OW-10R-WG (480-191204-8), BOR-OW-10R-WG (480-191204-8[MS]), BOR-OW-10R-WG (480-191204-8[MSD]), BOR-DUP-2-WG (480-191204-10) and BOR-MW-15-WG (480-191204-13). The reporting limits (RLs) have been adjusted proportionately.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Client Sample ID: BOR-MW-2B-WG
Lab Sample ID: 480-191204-1
Date Collected: 10/20/21 13:20
Matrix: Water
Date Received: 10/21/21 08:00

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/21/21 14:54	10/25/21 18:29	1
PCB-1221	ND		0.50	0.18	ug/L		10/21/21 14:54	10/25/21 18:29	1
PCB-1232	ND		0.50	0.18	ug/L		10/21/21 14:54	10/25/21 18:29	1
PCB-1242	**0.91**		0.50	0.18	ug/L		10/21/21 14:54	10/25/21 18:29	1
PCB-1248	ND		0.50	0.18	ug/L		10/21/21 14:54	10/25/21 18:29	1
PCB-1254	ND		0.50	0.25	ug/L		10/21/21 14:54	10/25/21 18:29	1
PCB-1260	ND		0.50	0.25	ug/L		10/21/21 14:54	10/25/21 18:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*69*		*39 - 121*	*10/21/21 14:54*	*10/25/21 18:29*	*1*
Tetrachloro-m-xylene	*77*		*39 - 121*	*10/21/21 14:54*	*10/25/21 18:29*	*1*
DCB Decachlorobiphenyl	*90*		*19 - 120*	*10/21/21 14:54*	*10/25/21 18:29*	*1*
DCB Decachlorobiphenyl	*114*		*19 - 120*	*10/21/21 14:54*	*10/25/21 18:29*	*1*

Client Sample ID: BOR-MW-27-WG
Lab Sample ID: 480-191204-2
Date Collected: 10/20/21 15:10
Matrix: Water
Date Received: 10/21/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/25/21 15:24	1
Toluene	ND		1.0	0.51	ug/L			10/25/21 15:24	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/25/21 15:24	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/25/21 15:24	1
o-Xylene	ND		1.0	0.76	ug/L			10/25/21 15:24	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/25/21 15:24	1
Total BTEX	ND		2.0	1.0	ug/L			10/25/21 15:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*82*		*80 - 120*		*10/25/21 15:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*10/25/21 15:24*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*10/25/21 15:24*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*10/25/21 15:24*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**2.9**	**J**	5.0	0.39	ug/L		10/21/21 14:44	10/22/21 23:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*79*		*46 - 120*	*10/21/21 14:44*	*10/22/21 23:08*	*1*
p-Terphenyl-d14 (Surr)	*88*		*60 - 148*	*10/21/21 14:44*	*10/22/21 23:08*	*1*
Phenol-d5 (Surr)	*49*		*22 - 120*	*10/21/21 14:44*	*10/22/21 23:08*	*1*
2-Fluorophenol (Surr)	*69*		*35 - 120*	*10/21/21 14:44*	*10/22/21 23:08*	*1*
2,4,6-Tribromophenol (Surr)	*92*		*41 - 120*	*10/21/21 14:44*	*10/22/21 23:08*	*1*
2-Fluorobiphenyl (Surr)	*97*		*48 - 120*	*10/21/21 14:44*	*10/22/21 23:08*	*1*

Method: 8315A - Carbonyl Compounds by HPLC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Formaldehyde	ND		0.050	0.041	mg/L		10/22/21 09:11	10/25/21 14:00	1

Client Sample ID: BOR-DUP-1-WG
Lab Sample ID: 480-191204-3

Date Collected: 10/20/21 08:00
Matrix: Water
Date Received: 10/21/21 08:00

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/21/21 14:54	10/25/21 20:37	1
PCB-1221	ND		0.50	0.18	ug/L		10/21/21 14:54	10/25/21 20:37	1
PCB-1232	ND		0.50	0.18	ug/L		10/21/21 14:54	10/25/21 20:37	1
PCB-1242	**0.78**		0.50	0.18	ug/L		10/21/21 14:54	10/25/21 20:37	1
PCB-1248	ND		0.50	0.18	ug/L		10/21/21 14:54	10/25/21 20:37	1
PCB-1254	ND		0.50	0.25	ug/L		10/21/21 14:54	10/25/21 20:37	1
PCB-1260	ND		0.50	0.25	ug/L		10/21/21 14:54	10/25/21 20:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*86*		*39 - 121*	*10/21/21 14:54*	*10/25/21 20:37*	*1*
Tetrachloro-m-xylene	*98*		*39 - 121*	*10/21/21 14:54*	*10/25/21 20:37*	*1*
DCB Decachlorobiphenyl	*82*		*19 - 120*	*10/21/21 14:54*	*10/25/21 20:37*	*1*
DCB Decachlorobiphenyl	*106*		*19 - 120*	*10/21/21 14:54*	*10/25/21 20:37*	*1*

Client Sample ID: BOR-MW-17-1-WG
Lab Sample ID: 480-191204-4

Date Collected: 10/20/21 09:20
Matrix: Water
Date Received: 10/21/21 08:00

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/21/21 14:54	10/25/21 20:50	1
PCB-1221	ND		0.50	0.18	ug/L		10/21/21 14:54	10/25/21 20:50	1
PCB-1232	ND		0.50	0.18	ug/L		10/21/21 14:54	10/25/21 20:50	1
PCB-1242	ND		0.50	0.18	ug/L		10/21/21 14:54	10/25/21 20:50	1
PCB-1248	ND		0.50	0.18	ug/L		10/21/21 14:54	10/25/21 20:50	1
PCB-1254	ND		0.50	0.25	ug/L		10/21/21 14:54	10/25/21 20:50	1
PCB-1260	ND		0.50	0.25	ug/L		10/21/21 14:54	10/25/21 20:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*91*		*39 - 121*	*10/21/21 14:54*	*10/25/21 20:50*	*1*
Tetrachloro-m-xylene	*99*		*39 - 121*	*10/21/21 14:54*	*10/25/21 20:50*	*1*
DCB Decachlorobiphenyl	*86*		*19 - 120*	*10/21/21 14:54*	*10/25/21 20:50*	*1*
DCB Decachlorobiphenyl	*109*		*19 - 120*	*10/21/21 14:54*	*10/25/21 20:50*	*1*

Client Sample ID: BOR-BC-SMP-WS
Lab Sample ID: 480-191204-5

Date Collected: 10/20/21 09:45
Matrix: Water
Date Received: 10/21/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/25/21 15:47	1
Toluene	ND		1.0	0.51	ug/L			10/25/21 15:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/25/21 15:47	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/25/21 15:47	1
o-Xylene	ND		1.0	0.76	ug/L			10/25/21 15:47	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/25/21 15:47	1
Total BTEX	ND		2.0	1.0	ug/L			10/25/21 15:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*10/25/21 15:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*77 - 120*		*10/25/21 15:47*	*1*

Client Sample ID: BOR-BC-SMP-WS
Lab Sample ID: 480-191204-5
Date Collected: 10/20/21 09:45
Matrix: Water
Date Received: 10/21/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*10/25/21 15:47*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*10/25/21 15:47*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		5.0	0.39	ug/L		10/21/21 14:44	10/22/21 23:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*77*		*46 - 120*	*10/21/21 14:44*	*10/22/21 23:35*	*1*
p-Terphenyl-d14 (Surr)	*97*		*60 - 148*	*10/21/21 14:44*	*10/22/21 23:35*	*1*
Phenol-d5 (Surr)	*48*		*22 - 120*	*10/21/21 14:44*	*10/22/21 23:35*	*1*
2-Fluorophenol (Surr)	*63*		*35 - 120*	*10/21/21 14:44*	*10/22/21 23:35*	*1*
2,4,6-Tribromophenol (Surr)	*83*		*41 - 120*	*10/21/21 14:44*	*10/22/21 23:35*	*1*
2-Fluorobiphenyl (Surr)	*99*		*48 - 120*	*10/21/21 14:44*	*10/22/21 23:35*	*1*

Client Sample ID: BOR-MW-28-WG
Lab Sample ID: 480-191204-6
Date Collected: 10/20/21 11:40
Matrix: Water
Date Received: 10/21/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**3.9**		1.0	0.41	ug/L			10/25/21 16:11	1
Toluene	ND		1.0	0.51	ug/L			10/25/21 16:11	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/25/21 16:11	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/25/21 16:11	1
o-Xylene	ND		1.0	0.76	ug/L			10/25/21 16:11	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/25/21 16:11	1
Total BTEX	**3.9**		2.0	1.0	ug/L			10/25/21 16:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/25/21 16:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*10/25/21 16:11*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*10/25/21 16:11*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*10/25/21 16:11*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**4.6**	**J**	5.0	0.39	ug/L		10/21/21 14:44	10/25/21 15:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*72*		*46 - 120*	*10/21/21 14:44*	*10/25/21 15:26*	*1*
p-Terphenyl-d14 (Surr)	*78*		*60 - 148*	*10/21/21 14:44*	*10/25/21 15:26*	*1*
Phenol-d5 (Surr)	*48*		*22 - 120*	*10/21/21 14:44*	*10/25/21 15:26*	*1*
2-Fluorophenol (Surr)	*61*		*35 - 120*	*10/21/21 14:44*	*10/25/21 15:26*	*1*
2,4,6-Tribromophenol (Surr)	*101*		*41 - 120*	*10/21/21 14:44*	*10/25/21 15:26*	*1*
2-Fluorobiphenyl (Surr)	*90*		*48 - 120*	*10/21/21 14:44*	*10/25/21 15:26*	*1*

Client Sample ID: BOR-MW-30-WG
Lab Sample ID: 480-191204-7

Date Collected: 10/20/21 12:00
Matrix: Water
Date Received: 10/21/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/25/21 16:34	1
Toluene	ND		1.0	0.51	ug/L			10/25/21 16:34	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/25/21 16:34	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/25/21 16:34	1
o-Xylene	ND		1.0	0.76	ug/L			10/25/21 16:34	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/25/21 16:34	1
Total BTEX	ND		2.0	1.0	ug/L			10/25/21 16:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/25/21 16:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*77 - 120*		*10/25/21 16:34*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*10/25/21 16:34*	*1*
Dibromofluoromethane (Surr)	*85*		*75 - 123*		*10/25/21 16:34*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**8.1**		5.0	0.39	ug/L		10/21/21 14:44	10/25/21 15:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*79*		*46 - 120*	*10/21/21 14:44*	*10/25/21 15:53*	*1*
p-Terphenyl-d14 (Surr)	*92*		*60 - 148*	*10/21/21 14:44*	*10/25/21 15:53*	*1*
Phenol-d5 (Surr)	*50*		*22 - 120*	*10/21/21 14:44*	*10/25/21 15:53*	*1*
2-Fluorophenol (Surr)	*64*		*35 - 120*	*10/21/21 14:44*	*10/25/21 15:53*	*1*
2,4,6-Tribromophenol (Surr)	*82*		*41 - 120*	*10/21/21 14:44*	*10/25/21 15:53*	*1*
2-Fluorobiphenyl (Surr)	*108*		*48 - 120*	*10/21/21 14:44*	*10/25/21 15:53*	*1*

Client Sample ID: BOR-OW-10R-WG
Lab Sample ID: 480-191204-8

Date Collected: 10/20/21 13:15
Matrix: Water
Date Received: 10/21/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**14**		10	4.1	ug/L			10/25/21 16:58	10
Toluene	**470**		10	5.1	ug/L			10/25/21 16:58	10
Ethylbenzene	ND		10	7.4	ug/L			10/25/21 16:58	10
m-Xylene & p-Xylene	ND		20	6.6	ug/L			10/25/21 16:58	10
o-Xylene	ND		10	7.6	ug/L			10/25/21 16:58	10
Xylenes, Total	ND		20	6.6	ug/L			10/25/21 16:58	10
Total BTEX	**480**		20	10	ug/L			10/25/21 16:58	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/25/21 16:58*	*10*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*10/25/21 16:58*	*10*
4-Bromofluorobenzene (Surr)	*90*		*73 - 120*		*10/25/21 16:58*	*10*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*10/25/21 16:58*	*10*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**24000**		5000	390	ug/L		10/21/21 14:44	10/25/21 14:59	200

Client Sample ID: BOR-OW-10R-WG
Lab Sample ID: 480-191204-8
Date Collected: 10/20/21 13:15
Matrix: Water
Date Received: 10/21/21 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	229	S1+	46 - 120	10/21/21 14:44	10/25/21 14:59	200
p-Terphenyl-d14 (Surr)	85		60 - 148	10/21/21 14:44	10/25/21 14:59	200
Phenol-d5 (Surr)	45		22 - 120	10/21/21 14:44	10/25/21 14:59	200
2-Fluorophenol (Surr)	0	S1-	35 - 120	10/21/21 14:44	10/25/21 14:59	200
2,4,6-Tribromophenol (Surr)	0	S1-	41 - 120	10/21/21 14:44	10/25/21 14:59	200
2-Fluorobiphenyl (Surr)	88		48 - 120	10/21/21 14:44	10/25/21 14:59	200

Method: 8315A - Carbonyl Compounds by HPLC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Formaldehyde	ND		0.050	0.041	mg/L		10/22/21 09:11	10/25/21 14:09	1

Client Sample ID: BOR-OW-35R-WG
Lab Sample ID: 480-191204-9
Date Collected: 10/20/21 14:40
Matrix: Water
Date Received: 10/21/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**2.8**		1.0	0.41	ug/L			10/25/21 17:21	1
Toluene	**0.90**	**J**	1.0	0.51	ug/L			10/25/21 17:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/25/21 17:21	1
m-Xylene & p-Xylene	**0.97**	**J**	2.0	0.66	ug/L			10/25/21 17:21	1
o-Xylene	ND		1.0	0.76	ug/L			10/25/21 17:21	1
Xylenes, Total	**0.97**	**J**	2.0	0.66	ug/L			10/25/21 17:21	1
Total BTEX	**4.7**		2.0	1.0	ug/L			10/25/21 17:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		80 - 120		10/25/21 17:21	1
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		10/25/21 17:21	1
4-Bromofluorobenzene (Surr)	101		73 - 120		10/25/21 17:21	1
Dibromofluoromethane (Surr)	98		75 - 123		10/25/21 17:21	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**6.2**		5.0	0.39	ug/L		10/21/21 14:44	10/25/21 16:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	85		46 - 120	10/21/21 14:44	10/25/21 16:20	1
p-Terphenyl-d14 (Surr)	93		60 - 148	10/21/21 14:44	10/25/21 16:20	1
Phenol-d5 (Surr)	56		22 - 120	10/21/21 14:44	10/25/21 16:20	1
2-Fluorophenol (Surr)	77		35 - 120	10/21/21 14:44	10/25/21 16:20	1
2,4,6-Tribromophenol (Surr)	114		41 - 120	10/21/21 14:44	10/25/21 16:20	1
2-Fluorobiphenyl (Surr)	110		48 - 120	10/21/21 14:44	10/25/21 16:20	1

Client Sample ID: BOR-DUP-2-WG
Lab Sample ID: 480-191204-10
Date Collected: 10/20/21 08:00
Matrix: Water
Date Received: 10/21/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**16**		10	4.1	ug/L			10/25/21 17:44	10
Toluene	**600**		10	5.1	ug/L			10/25/21 17:44	10
Ethylbenzene	ND		10	7.4	ug/L			10/25/21 17:44	10

Client Sample ID: BOR-DUP-2-WG
Lab Sample ID: 480-191204-10

Date Collected: 10/20/21 08:00
Matrix: Water
Date Received: 10/21/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		20	6.6	ug/L			10/25/21 17:44	10
o-Xylene	ND		10	7.6	ug/L			10/25/21 17:44	10
Xylenes, Total	ND		20	6.6	ug/L			10/25/21 17:44	10
Total BTEX	**620**		20	10	ug/L			10/25/21 17:44	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*10/25/21 17:44*	*10*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*10/25/21 17:44*	*10*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*10/25/21 17:44*	*10*
Dibromofluoromethane (Surr)	*94*		*75 - 123*		*10/25/21 17:44*	*10*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**30000**		13000	980	ug/L		10/21/21 14:44	10/25/21 16:47	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*0*	*S1-*	*46 - 120*	*10/21/21 14:44*	*10/25/21 16:47*	*500*
p-Terphenyl-d14 (Surr)	*110*		*60 - 148*	*10/21/21 14:44*	*10/25/21 16:47*	*500*
Phenol-d5 (Surr)	*0*	*S1-*	*22 - 120*	*10/21/21 14:44*	*10/25/21 16:47*	*500*
2-Fluorophenol (Surr)	*0*	*S1-*	*35 - 120*	*10/21/21 14:44*	*10/25/21 16:47*	*500*
2,4,6-Tribromophenol (Surr)	*0*	*S1-*	*41 - 120*	*10/21/21 14:44*	*10/25/21 16:47*	*500*
2-Fluorobiphenyl (Surr)	*97*		*48 - 120*	*10/21/21 14:44*	*10/25/21 16:47*	*500*

Method: 8315A - Carbonyl Compounds by HPLC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Formaldehyde	ND		0.050	0.041	mg/L		10/22/21 09:11	10/25/21 14:45	1

Client Sample ID: TRIPBLANK1
Lab Sample ID: 480-191204-11

Date Collected: 10/20/21 00:00
Matrix: Water
Date Received: 10/21/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/25/21 18:07	1
Toluene	ND		1.0	0.51	ug/L			10/25/21 18:07	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/25/21 18:07	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/25/21 18:07	1
o-Xylene	ND		1.0	0.76	ug/L			10/25/21 18:07	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/25/21 18:07	1
Total BTEX	ND		2.0	1.0	ug/L			10/25/21 18:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*80 - 120*		*10/25/21 18:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*		*10/25/21 18:07*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*10/25/21 18:07*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*10/25/21 18:07*	*1*

Client Sample ID: TRIPBLANK2
Lab Sample ID: 480-191204-12

Date Collected: 10/20/21 00:00
Matrix: Water
Date Received: 10/21/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/25/21 18:30	1
Toluene	ND		1.0	0.51	ug/L			10/25/21 18:30	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/25/21 18:30	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/25/21 18:30	1
o-Xylene	ND		1.0	0.76	ug/L			10/25/21 18:30	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/25/21 18:30	1
Total BTEX	ND		2.0	1.0	ug/L			10/25/21 18:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/25/21 18:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*10/25/21 18:30*	*1*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*		*10/25/21 18:30*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*10/25/21 18:30*	*1*

Client Sample ID: BOR-MW-15-WG
Lab Sample ID: 480-191204-13

Date Collected: 10/20/21 13:30
Matrix: Water
Date Received: 10/21/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**41**	**J**	50	21	ug/L			10/25/21 18:54	50
Toluene	**4200**		50	26	ug/L			10/25/21 18:54	50
Ethylbenzene	ND		50	37	ug/L			10/25/21 18:54	50
m-Xylene & p-Xylene	ND		100	33	ug/L			10/25/21 18:54	50
o-Xylene	ND		50	38	ug/L			10/25/21 18:54	50
Xylenes, Total	ND		100	33	ug/L			10/25/21 18:54	50
Total BTEX	**4200**		100	50	ug/L			10/25/21 18:54	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/25/21 18:54*	*50*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*10/25/21 18:54*	*50*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*10/25/21 18:54*	*50*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*10/25/21 18:54*	*50*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**610000**		130000	9800	ug/L		10/21/21 14:44	10/27/21 02:21	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*0*	*S1-*	*46 - 120*	*10/21/21 14:44*	*10/27/21 02:21*	*5000*
p-Terphenyl-d14 (Surr)	*0*	*S1-*	*60 - 148*	*10/21/21 14:44*	*10/27/21 02:21*	*5000*
Phenol-d5 (Surr)	*0*	*S1-*	*22 - 120*	*10/21/21 14:44*	*10/27/21 02:21*	*5000*
2-Fluorophenol (Surr)	*0*	*S1-*	*35 - 120*	*10/21/21 14:44*	*10/27/21 02:21*	*5000*
2,4,6-Tribromophenol (Surr)	*0*	*S1-*	*41 - 120*	*10/21/21 14:44*	*10/27/21 02:21*	*5000*
2-Fluorobiphenyl (Surr)	*0*	*S1-*	*48 - 120*	*10/21/21 14:44*	*10/27/21 02:21*	*5000*

Client Sample ID: BOR-MW-35R-WG
Lab Sample ID: 480-191204-14

Date Collected: 10/19/21 15:20
Matrix: Water

Date Received: 10/21/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/25/21 19:17	1
Toluene	ND		1.0	0.51	ug/L			10/25/21 19:17	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/25/21 19:17	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/25/21 19:17	1
o-Xylene	ND		1.0	0.76	ug/L			10/25/21 19:17	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/25/21 19:17	1
Total BTEX	ND		2.0	1.0	ug/L			10/25/21 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*80 - 120*		*10/25/21 19:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*10/25/21 19:17*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*10/25/21 19:17*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*10/25/21 19:17*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**5.0**		5.0	0.39	ug/L		10/21/21 14:44	10/25/21 17:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*86*		*46 - 120*	*10/21/21 14:44*	*10/25/21 17:42*	*1*
p-Terphenyl-d14 (Surr)	*116*		*60 - 148*	*10/21/21 14:44*	*10/25/21 17:42*	*1*
Phenol-d5 (Surr)	*65*		*22 - 120*	*10/21/21 14:44*	*10/25/21 17:42*	*1*
2-Fluorophenol (Surr)	*79*		*35 - 120*	*10/21/21 14:44*	*10/25/21 17:42*	*1*
2,4,6-Tribromophenol (Surr)	*108*		*41 - 120*	*10/21/21 14:44*	*10/25/21 17:42*	*1*
2-Fluorobiphenyl (Surr)	*111*		*48 - 120*	*10/21/21 14:44*	*10/25/21 17:42*	*1*

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: CCVIS 480-601826/3 Calibration Date: 10/25/2021 12:01

Instrument ID: HP5973S Calib Start Date: 09/14/2021 17:37

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 09/14/2021 20:20

Lab File ID: S5319.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.779	1.822	0.1000	25.6	25.0	2.4	50.0
Chloromethane	Ave	2.351	2.770	0.1000	29.5	25.0	17.8	20.0
Vinyl chloride	Ave	2.134	2.601	0.1000	30.5	25.0	21.9*	20.0
Butadiene	Ave	2.523	2.892		28.7	25.0	14.6	20.0
Bromomethane	Ave	1.433	1.416	0.1000	24.7	25.0	-1.2	50.0
Chloroethane	Ave	1.485	1.566	0.1000	26.4	25.0	5.5	50.0
Dichlorofluoromethane	Ave	3.077	2.271		18.5	25.0	-26.2*	20.0
Trichlorofluoromethane	Ave	2.620	2.146	0.1000	20.5	25.0	-18.1	20.0
Ethyl ether	Ave	1.796	1.195		16.6	25.0	-33.5*	20.0
Acrolein	Ave	0.1299	0.0683		65.7	125	-47.4	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.419	1.137	0.1000	20.0	25.0	-19.8	20.0
1,1-Dichloroethene	Ave	1.521	1.063	0.1000	17.5	25.0	-30.1*	20.0
Acetone	Ave	0.7694	0.6883	0.1000	112	125	-10.5	50.0
Iodomethane	Ave	2.719	2.273		20.9	25.0	-16.4	20.0
Carbon disulfide	Ave	4.887	4.365	0.1000	22.3	25.0	-10.7	20.0
Allyl chloride	Ave	2.998	2.804		23.4	25.0	-6.5	20.0
Methyl acetate	Ave	2.026	1.843	0.1000	45.5	50.0	-9.0	50.0
Methylene Chloride	Lin1		1.964	0.1000	27.7	25.0	10.9	20.0
2-Methyl-2-propanol	Ave	0.2395	0.2140		223	250	-10.7	50.0
Methyl tert-butyl ether	Ave	5.484	5.378	0.1000	24.5	25.0	-1.9	20.0
trans-1,2-Dichloroethene	Ave	1.714	1.893	0.1000	27.6	25.0	10.5	20.0
Acrylonitrile	Ave	1.049	1.068		254	250	1.8	20.0
Hexane	Ave	2.599	3.619		34.8	25.0	39.2*	20.0
1,1-Dichloroethane	Ave	3.142	3.574	0.2000	28.4	25.0	13.7	20.0
Vinyl acetate	Ave	4.152	4.425		53.3	50.0	6.6	20.0
2,2-Dichloropropane	Ave	1.596	1.678		26.3	25.0	5.1	20.0
cis-1,2-Dichloroethene	Ave	1.852	2.069	0.1000	27.9	25.0	11.7	20.0
2-Butanone (MEK)	Ave	1.175	1.356	0.1000	144	125	15.5	20.0
Chlorobromomethane	Ave	0.9936	1.062		26.7	25.0	6.9	20.0
Tetrahydrofuran	Ave	0.8718	0.8548		49.0	50.0	-2.0	20.0
Chloroform	Ave	3.114	3.138	0.2000	25.2	25.0	0.8	20.0
1,1,1-Trichloroethane	Ave	2.460	2.667	0.1000	27.1	25.0	8.4	20.0
Cyclohexane	Ave	3.206	4.243	0.1000	33.1	25.0	32.3*	20.0
Carbon tetrachloride	Ave	2.159	2.303	0.1000	26.7	25.0	6.7	20.0
1,1-Dichloropropene	Ave	2.159	2.699		31.2	25.0	25.0*	20.0
Benzene	Ave	6.681	8.076	0.5000	30.2	25.0	20.9*	20.0
Isobutyl alcohol	Ave	0.0820	0.0963		735	625	17.5	50.0
1,2-Dichloroethane	Ave	2.535	2.560	0.1000	25.2	25.0	1.0	20.0
n-Heptane	Ave	2.950	3.760		31.9	25.0	27.4*	20.0
Trichloroethene	Ave	1.599	1.889	0.2000	29.5	25.0	18.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: CCVIS 480-601826/3 Calibration Date: 10/25/2021 12:01

Instrument ID: HP5973S Calib Start Date: 09/14/2021 17:37

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 09/14/2021 20:20

Lab File ID: S5319.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.919	3.807	0.1000	32.6	25.0	30.5*	20.0
1,2-Dichloropropane	Ave	1.698	2.077	0.1000	30.6	25.0	22.3*	20.0
Dibromomethane	Ave	1.057	1.153	0.1000	27.3	25.0	9.1	20.0
1,4-Dioxane	Lin1		0.0124		562	500	12.4	50.0
Bromodichloromethane	Ave	1.951	2.162	0.2000	27.7	25.0	10.8	20.0
2-Chloroethyl vinyl ether	Ave	1.175	1.337		28.4	25.0	13.8	20.0
cis-1,3-Dichloropropene	Ave	2.518	3.013	0.2000	29.9	25.0	19.7	20.0
4-Methyl-2-pentanone (MIBK)	Ave	1.264	1.290	0.1000	128	125	2.1	20.0
Toluene	Ave	2.023	2.466	0.4000	30.5	25.0	21.9*	20.0
trans-1,3-Dichloropropene	Ave	1.166	1.343	0.1000	28.8	25.0	15.1	20.0
Ethyl methacrylate	Ave	1.006	1.247		31.0	25.0	24.0*	20.0
1,1,2-Trichloroethane	Ave	0.6255	0.7029	0.1000	28.1	25.0	12.4	20.0
Tetrachloroethene	Ave	0.8789	1.119	0.2000	31.8	25.0	27.3*	20.0
1,3-Dichloropropane	Ave	1.287	1.493		29.0	25.0	16.0	20.0
2-Hexanone	Ave	0.8479	0.9451	0.1000	139	125	11.5	20.0
Dibromochloromethane	Ave	0.7357	0.8012	0.1000	27.2	25.0	8.9	20.0
1,2-Dibromoethane	Ave	0.7815	0.8762		28.0	25.0	12.1	20.0
Chlorobenzene	Ave	2.308	2.763	0.5000	29.9	25.0	19.7	20.0
Ethylbenzene	Ave	3.803	4.560	0.1000	30.0	25.0	19.9	20.0
1,1,1,2-Tetrachloroethane	Ave	0.8349	0.9065		27.1	25.0	8.6	20.0
m-Xylene & p-Xylene	Ave	1.542	1.866	0.1000	30.3	25.0	21.0*	20.0
o-Xylene	Ave	1.525	1.794	0.3000	29.4	25.0	17.7	20.0
Styrene	Ave	2.506	3.019	0.3000	30.1	25.0	20.5*	20.0
Bromoform	Ave	0.5117	0.5145	0.1000	25.1	25.0	0.5	50.0
Isopropylbenzene	Ave	3.798	4.197	0.1000	27.6	25.0	10.5	20.0
Bromobenzene	Ave	0.9692	1.050		27.1	25.0	8.4	20.0
1,1,2,2-Tetrachloroethane	Ave	1.041	1.050	0.3000	25.2	25.0	0.8	20.0
N-Propylbenzene	Ave	4.251	4.842		28.5	25.0	13.9	20.0
1,2,3-Trichloropropane	Ave	0.3606	0.3499		24.3	25.0	-3.0	20.0
trans-1,4-Dichloro-2-butene	Lin1		0.3271		23.1	25.0	-7.4	50.0
2-Chlorotoluene	Ave	0.9259	0.9947		26.9	25.0	7.4	20.0
1,3,5-Trimethylbenzene	Ave	3.230	3.570		27.6	25.0	10.5	20.0
4-Chlorotoluene	Ave	0.9159	1.029		28.1	25.0	12.3	20.0
tert-Butylbenzene	Ave	0.7165	0.8164		28.5	25.0	14.0	20.0
1,2,4-Trimethylbenzene	Ave	3.352	3.613		27.0	25.0	7.8	20.0
sec-Butylbenzene	Ave	3.996	4.667		29.2	25.0	16.8	20.0
1,3-Dichlorobenzene	Ave	1.911	2.100	0.6000	27.5	25.0	9.9	20.0
4-Isopropyltoluene	Ave	3.568	4.026		28.2	25.0	12.8	20.0
1,4-Dichlorobenzene	Ave	1.955	2.187	0.5000	28.0	25.0	11.8	20.0
n-Butylbenzene	Ave	2.965	3.491		29.4	25.0	17.7	20.0
1,2-Dichlorobenzene	Ave	1.950	2.117	0.4000	27.1	25.0	8.6	20.0

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Client Sample ID: BOR-MW-2B-WG Lab Sample ID: 480-191204-1

Instrument ID (1): HP6890-7 Instrument ID (2): HP6890-7

Date Analyzed (1): 10/25/2021 18:29 Date Analyzed (2): 10/25/2021 18:29

GC Column (1): ZB-5 ID: 0.53(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1242	1	2	3.31	3.28	3.34	0.466	0.56	47.4
		3	3.68	3.65	3.71	0.899		
		4	3.77	3.74	3.80	0.494		
		5	4.14	4.11	4.17	0.978		
	2	1	3.13	3.10	3.16	1.76	0.91	
		2	3.49	3.45	3.51	0.861		
		3	3.83	3.80	3.86	1.03		
		5	4.35	4.32	4.38	0.823		

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191204-1

SDG No.:

Lab Sample ID: CCV 480-601894/9 Calibration Date: 10/25/2021 14:24

Instrument ID: HP6890-7 Calib Start Date: 05/14/2021 23:31

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/15/2021 00:03

Lab File ID: 7_111-148.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Lin1		0.0185		0.637	0.500	27.4*	20.0
PCB-1242 Peak 2	Lin1		0.0296		0.457	0.500	-8.5	20.0
PCB-1242 Peak 3	Lin2		0.0425		0.465	0.500	-7.0	20.0
PCB-1242 Peak 4	Lin2		0.0334		0.588	0.500	17.7	20.0
PCB-1242 Peak 5	Lin2		0.0283		0.506	0.500	1.1	20.0
PCB-1268 Peak 1	Lin2		0.1660		0.533	0.500	6.7	20.0
PCB-1268 Peak 2	Lin2		0.1602		0.546	0.500	9.1	20.0
PCB-1268 Peak 3	Lin2		0.1504		0.591	0.500	18.2	20.0
PCB-1268 Peak 4	Lin2		0.0581		0.546	0.500	9.2	20.0
PCB-1268 Peak 5	Lin2		0.4916		0.591	0.500	18.3	20.0